

Hhon OG_4755 Hhon_g02988.t1 kinase,immunoglobulin_superfamily_DCC_subclass_member_3,hemicentin_1,protein_tyre 10 ¬ 2 metacells **Hhon OG_4755** Hhon_g10924.t1 kinase,immunoglobulin_superfamily_DCC_subclass_member_3,hemicentin_1,protein_tyre 10 ¬ metacells HoiH23 OG_4755 HoiH23_PIH23_010654-RA kinase,immunoglobulin_superfamily_DCC_subclass_member_3,hemicentin_1,protein_tyre 10 ф metacells HoiH23 OG_4755 HoiH23_PIH23_009697-RA kinase,immunoglobulin_superfamily_DCC_subclass_member_3,hemicentin_1,protein_tyre 10 ¬ metacells HoiH23 OG_4755 HoiH23_PIH23_005039-RA kinase,immunoglobulin_superfamily_DCC_subclass_member_3,hemicentin_1,protein_tyre 10 ¬ 2 metacells

Tadh OG_6400 Tadh_wf_g4695.t1 trace_amine_associated_receptor_6,trace_amine_associated_receptor_9 10 2 metacells TrH2 OG_6400 TrH2_TrispH2_006701-RA trace_amine_associated_receptor_6,trace_amine_associated_receptor_9 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_6400** Hhon_g03290.t1 trace_amine_associated_receptor_6,trace_amine_associated_receptor_9 -4 + 7055 + 6023 + 60metacells HoiH23 OG_6400 HoiH23_PIH23_002047-RA $trace_amine_associated_receptor_6, trace_amine_associated_receptor_9$ 10 metacells

Tadh OG_7536 Tadh_TriadT56391 interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ 2 metacells **Tadh OG_7536** Tadh_TriadT56727 interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ metacells TrH2 OG_7536 TrH2_TrispH2_001168-RA interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ metacells TrH2 OG_7536 TrH2_TrispH2_005848-RA interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ metacells Hhon OG_7536 Hhon_g10208.t1 interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ 2 metacells HoiH23 OG_7536 HoiH23_PIH23_000240-RA interleukin_1_receptor_associated_kinase_2,interleukin_1_receptor_associated_kinase_ metacells

Tadh OG_9796 Tadh_TriadT9129 bone_morphogenetic_protein_7,bone_morphogenetic_protein_6 10 metacells TrH2 OG_9796 TrH2_TrispH2_002915-RA bone_morphogenetic_protein_7,bone_morphogenetic_protein_6 10 metacells Hhon OG_9796 Hhon_g06684.t1 bone_morphogenetic_protein_7,bone_morphogenetic_protein_6 $^{-4}{}^{+}$ metacells Hhon OG_9796 Hhon_g06685.t1 bone_morphogenetic_protein_7,bone_morphogenetic_protein_6 10 metacells HoiH23 OG_9796 HoiH23_PIH23_007200-RA $bone_morphogenetic_protein_7, bone_morphogenetic_protein_6$ 10

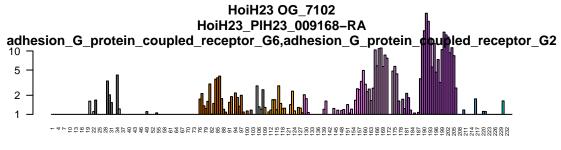
Tadh_TriadT56233 n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep 2 metacells TrH2 OG_4753 TrH2_TrispH2_008730-RA n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep TrH2 OG_4753 TrH2_TrispH2_010153-RA n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep-metacells Hhon OG_4753 Hhon_g02986.t1 n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep metacells Hhon OG_4753 Hhon_g02987.t1 n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep HoiH23 OG_4753 HoiH23_PIH23_009527-RA n_coupled_receptor_L3,DS_cell_adhesion_molecule,protein_tyrosine_phosphatase_recep metacells

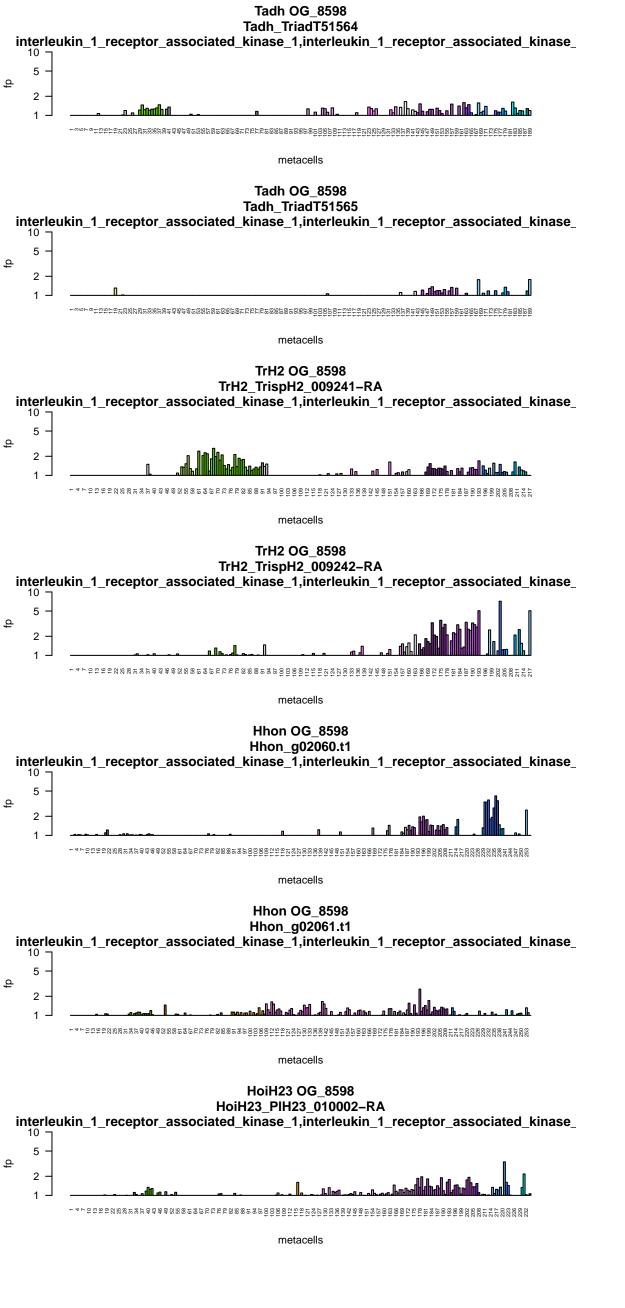
Tadh OG_4753

Tadh OG_5897 Tadh_TriadT57057 bone_morphogenetic_protein_2 10 metacells TrH2 OG_5897 TrH2_TrispH2_002393-RA bone_morphogenetic_protein_2 metacells Hhon OG_5897 Hhon_g07488.t1 bone_morphogenetic_protein_2 metacells HoiH23 OG_5897 HoiH23_PIH23_002971-RA bone_morphogenetic_protein_2 10

Tadh OG_6144 Tadh_TriadT33914 dual_specificity_tyrosine_phosphorylation_regulated_kinase_4 10 metacells TrH2 OG_6144 TrH2_TrispH2_011266-RA $dual_specificity_tyrosine_phosphorylation_regulated_kinase_4$ 10 metacells **Hhon OG_6144** Hhon_g08160.t1 dual_specificity_tyrosine_phosphorylation_regulated_kinase_4 -4 + 7055 + 6023 + 60metacells HoiH23 OG_6144 HoiH23_PIH23_006602-RA $dual_specificity_tyrosine_phosphorylation_regulated_kinase_4$ 10

metacells





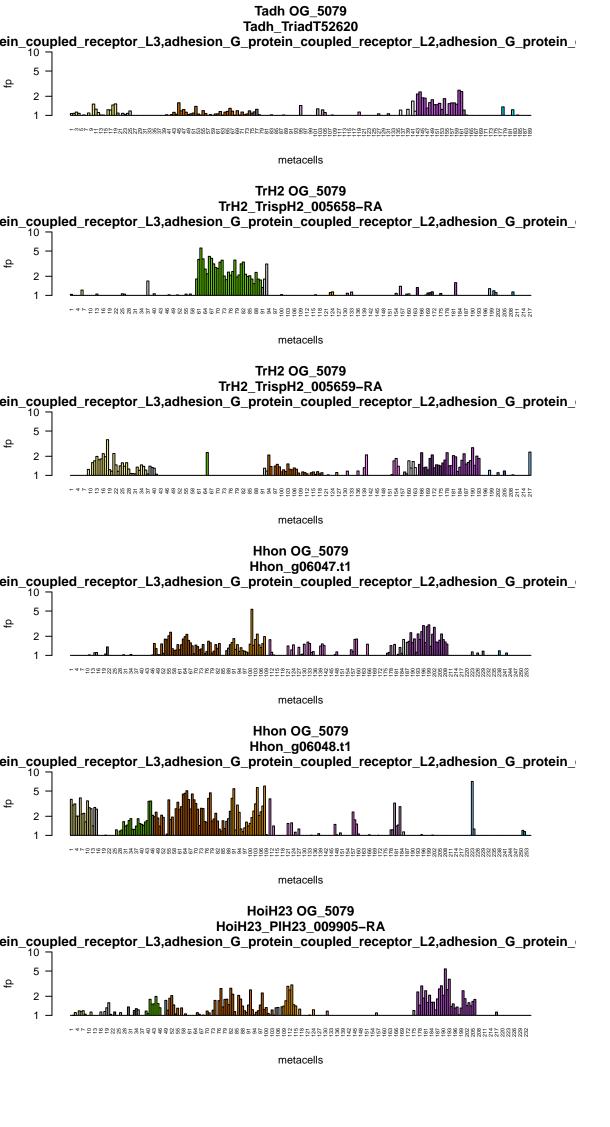
Tadh OG_8600 Tadh_TriadT51557 interleukin_1_receptor_associated_kinase_4,interleukin_1_receptor_associated_kinase_ 2 metacells TrH2 OG_8600 TrH2_TrispH2_009234-RA interleukin_1_receptor_associated_kinase_4,interleukin_1_receptor_associated_kinase_ $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG_8600 Hhon_g02064.t1 interleukin_1_receptor_associated_kinase_4,interleukin_1_receptor_associated_kinase_ $^{-4}{}^{+}$ metacells HoiH23 OG_8600 HoiH23_PIH23_010004-RA interleukin_1_receptor_associated_kinase_4,interleukin_1_receptor_associated_kinase_ $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

serine_threonine_kinase_like_domain_containing_1 Tadh | no data TrH2 OG_8858 TrH2_TrispH2_003104-RA serine_threonine_kinase_like_domain_containing_1 metacells Hhon OG_8858 Hhon_g01300.t1 serine_threonine_kinase_like_domain_containing_1 metacells HoiH23 OG_8858 HoiH23_PIH23_005631-RA serine_threonine_kinase_like_domain_containing_1 metacells

Tadh OG_4631 Tadh_TriadT10902 $calcium_sensing_receptor, glutamate_metabotropic_receptor_4$ 10 metacells TrH2 OG_4631 TrH2_TrispH2_001748-RA calcium_sensing_receptor,glutamate_metabotropic_receptor_4 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG_4631 Hhon_g05230.t1 calcium_sensing_receptor,glutamate_metabotropic_receptor_4 metacells HoiH23 OG_4631 HoiH23_PIH23_009537-RA $calcium_sensing_receptor, glutamate_metabotropic_receptor_4$ 10 metacells

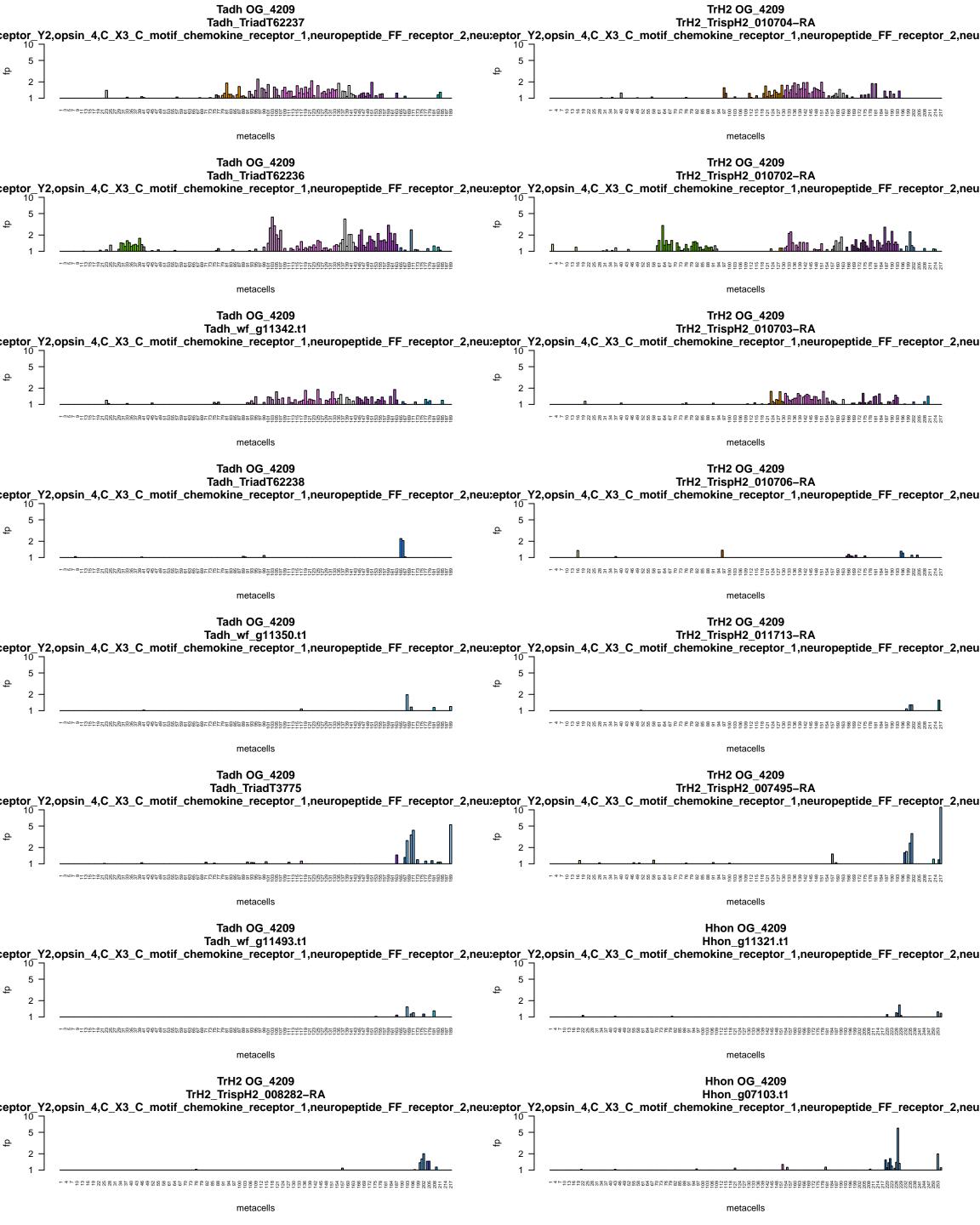
Tadh OG_4768 Tadh_TriadT59537 5_hydroxytryptamine_receptor_6,histamine_receptor_H2 metacells TrH2 OG_4768 TrH2_TrispH2_010100-RA ${\bf 5_hydroxytryptamine_receptor_6, histamine_receptor_H2}$ 10 metacells ${\bf 5_hydroxytryptamine_receptor_6, histamine_receptor_H2}$ Hhon | no data HoiH23 OG_4768 HoiH23_PIH23_006294-RA ${\bf 5_hydroxytryptamine_receptor_6,} his tamine_receptor_H2$ metacells

Tadh OG_4899 Tadh_TriadT18468 hypocretin_receptor_2,neuropeptide_Y_receptor_Y2 10 metacells TrH2 OG_4899 TrH2_TrispH2_011294-RA hypocretin_receptor_2,neuropeptide_Y_receptor_Y2 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_4899 Hhon_g01713.t1 hypocretin_receptor_2,neuropeptide_Y_receptor_Y2 metacells HoiH23 OG_4899 HoiH23_PIH23_002345-RA hypocretin_receptor_2,neuropeptide_Y_receptor_Y2 10



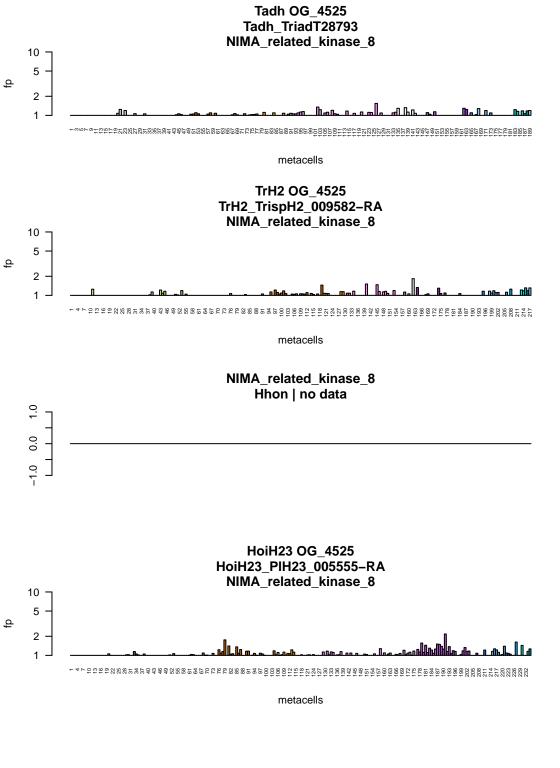
Tadh OG_6586 Tadh_TriadT22731 myosin_light_chain_kinase 10 metacells Tadh OG_6586 Tadh_TriadT22755 myosin_light_chain_kinase metacells TrH2 OG_6586 TrH2_TrispH2_006030-RA myosin_light_chain_kinase metacells **Hhon OG_6586** Hhon_g02429.t1 myosin_light_chain_kinase 10 metacells HoiH23 OG_6586 HoiH23_PIH23_002202-RA myosin_light_chain_kinase metacells

Tadh OG_8290 Tadh_TriadT21906 eceptor_2,somatostatin_receptor_2,G_protein_coupled_receptor_173,gastrin_releasing_pe 2 metacells TrH2 OG_8290 TrH2_TrispH2_007504-RA eceptor_2,somatostatin_receptor_2,G_protein_coupled_receptor_173,gastrin_releasing_per metacells Hhon OG_8290 Hhon_g07094.t1 eceptor_2,somatostatin_receptor_2,G_protein_coupled_receptor_173,gastrin_releasing_per metacells Hhon OG_8290 Hhon_g11436.t1 eceptor_2,somatostatin_receptor_2,G_protein_coupled_receptor_173,gastrin_releasing_per $^{-4} + ^{0} +$ metacells HoiH23 OG_8290 HoiH23_PIH23_002694-RA eceptor_2,somatostatin_receptor_2,G_protein_coupled_receptor_173,gastrin_releasing_per 2 metacells



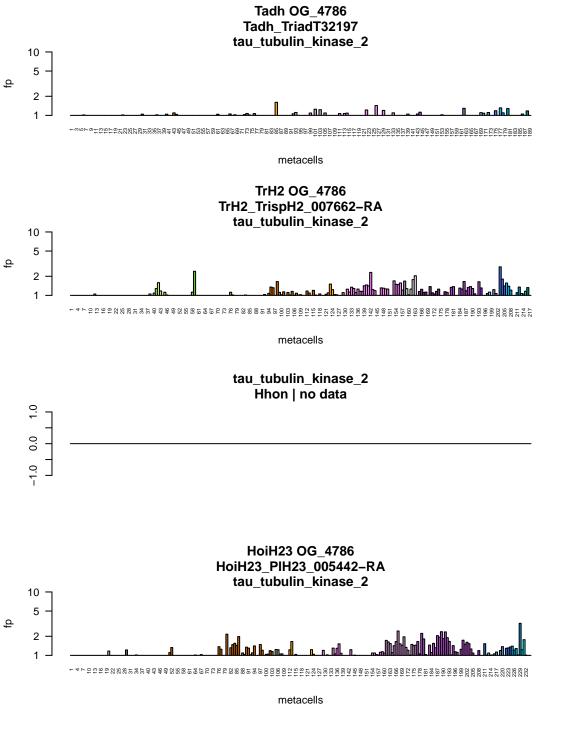
HoiH23 OG_4209 HoiH23_PIH23_011453-RA eptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $^{-4} + ^{0} +$ metacells HoiH23 OG_4209 HoiH23_PIH23_009441-RA ceptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $^{-4} + ^{0} +$ metacells HoiH23 OG_4209 HoiH23_PIH23_009443-RA ceptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $^{-4} + ^{0} +$ metacells HoiH23 OG_4209 HoiH23_PIH23_009440-RA ceptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu metacells HoiH23 OG_4209 HoiH23_PIH23_009442-RA ceptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $^{-4} + ^{0} +$ HoiH23 OG_4209 HoiH23_PIH23_009444-RA eptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $^{-4} + ^{0} +$ metacells HoiH23 OG_4209 HoiH23_PIH23_002703-RA ceptor_Y2,opsin_4,C_X3_C_motif_chemokine_receptor_1,neuropeptide_FF_receptor_2,neu $\begin{smallmatrix} & +4 \\ & +6$ metacells

Tadh OG_4422 Tadh_TriadT28410 $STE20_like_kinase, serine_threonine_kinase_10$ 10 metacells TrH2 OG_4422 TrH2_TrispH2_006586-RA STE20_like_kinase,serine_threonine_kinase_10 metacells Hhon OG_4422 Hhon_g00863.t1 STE20_like_kinase,serine_threonine_kinase_10 metacells HoiH23 OG_4422 HoiH23_PIH23_003453-RA STE20_like_kinase,serine_threonine_kinase_10 metacells









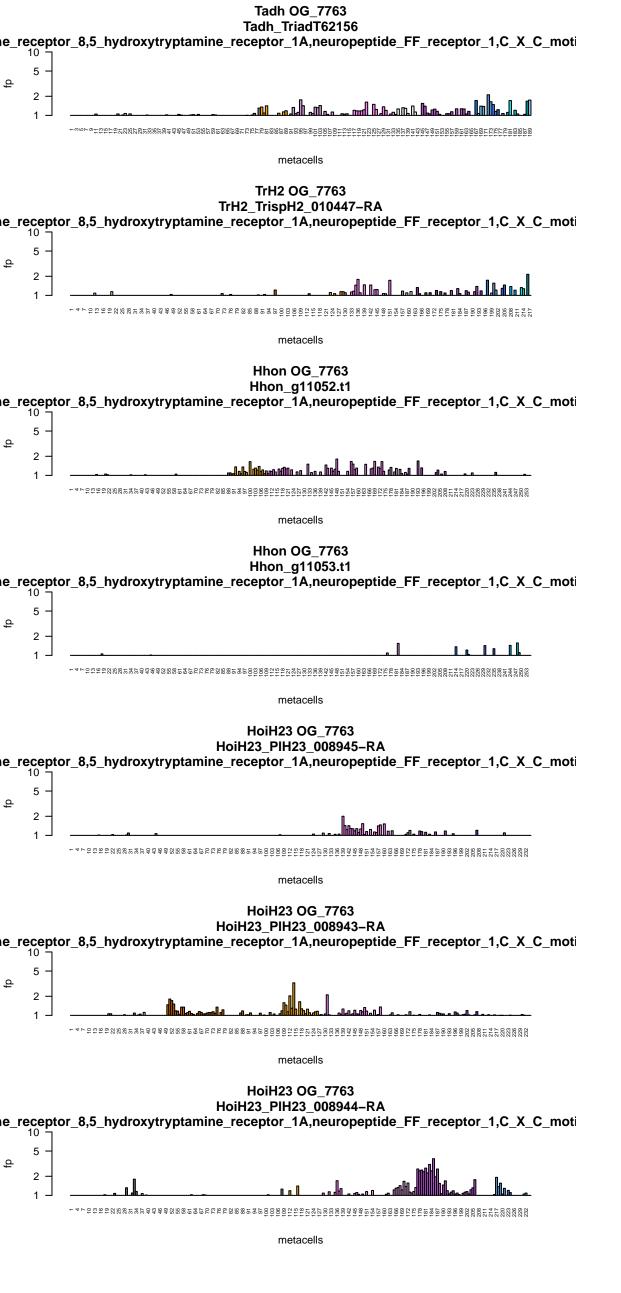
Tadh OG_4828 Tadh_TriadT59641 roto_oncogene_1_non_receptor_tyrosine_kinase,erb_b2_receptor_tyrosine_kinase_4,HCK 2 metacells **Tadh OG_4828** Tadh_TriadT50752 roto_oncogene_1_non_receptor_tyrosine_kinase,erb_b2_receptor_tyrosine_kinase_4,HCK metacells TrH2 OG_4828 TrH2_TrispH2_006945-RA proto_oncogene_1_non_receptor_tyrosine_kinase,erb_b2_receptor_tyrosine_kinase_4,HCK metacells Hhon OG_4828 Hhon_g11128.t1 proto_oncogene_1_non_receptor_tyrosine_kinase,erb_b2_receptor_tyrosine_kinase_4,HCK metacells HoiH23 OG_4828 HoiH23_PIH23_006507-RA oroto_oncogene_1_non_receptor_tyrosine_kinase,erb_b2_receptor_tyrosine_kinase_4,HCK 2

Tadh OG_5125 Tadh_wf_g10501.t1 10 metacells TrH2 OG_5125 TrH2_TrispH2_003544-RA 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_5125 Hhon_g07867.t1 -4 + 7055 + 6023 + 60metacells Hhon OG_5125 Hhon_g07868.t1 10 metacells Hhon OG_5125 Hhon_g07869.t1 metacells Hhon OG_5125 Hhon_g07870.t1 10 metacells HoiH23 OG_5125 HoiH23_PIH23_007715-RA metacells

Tadh OG_5928 Tadh_TriadT30095 TAO_kinase_2 10 metacells TrH2 OG_5928 TrH2_TrispH2_000314-RA TAO_kinase_2 10 - $\begin{smallmatrix} 1&4&5&5&5&5&5&5\\ 2&5&5&5&5&5&5\\$ metacells Hhon OG_5928 Hhon_g06990.t1 TAO_kinase_2 metacells HoiH23 OG_5928 HoiH23_PIH23_000369-RA TAO_kinase_2 10 metacells

Tadh OG_6114 Tadh_TriadT38054 nemo_like_kinase 10 metacells TrH2 OG_6114 TrH2_TrispH2_006894-RA nemo_like_kinase 10 -metacells Hhon OG_6114 Hhon_g02719.t1 nemo_like_kinase metacells HoiH23 OG_6114 HoiH23_PIH23_006958-RA nemo_like_kinase 10 metacells

Tadh OG_7055 Tadh_TriadT57434 I_peptide_receptor_3,thyroid_stimulating_hormone_receptor,follicle_stimulating_hormone ф 2 -00-0-101-1010-10 metacells TrH2 OG_7055 TrH2_TrispH2_005454-RA I_peptide_receptor_3,thyroid_stimulating_hormone_receptor,follicle_stimulating_hormone metacells Hhon OG_7055 Hhon_g09990.t1 I_peptide_receptor_3,thyroid_stimulating_hormone_receptor,follicle_stimulating_hormone_ $^{-4}{}^{+}$ metacells HoiH23 OG_7055 HoiH23_PIH23_007888-RA I_peptide_receptor_3,thyroid_stimulating_hormone_receptor,follicle_stimulating_hormone 2



Tadh OG_7794 Tadh_TriadT22946 myosin_IIIA 10 metacells TrH2 OG_7794 TrH2_TrispH2_001224-RA myosin_IIIA metacells Hhon OG_7794 Hhon_g04134.t1 myosin_IIIA metacells HoiH23 OG_7794 HoiH23_PIH23_003060-RA myosin_IIIA 10 metacells

$calcium_calmodulin_dependent_protein_kinase_II_delta$ Tadh | no data TrH2 OG_8606 TrH2_TrispH2_009489-RA $calcium_calmodulin_dependent_protein_kinase_II_delta$ 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_8606** Hhon_g07025.t1 calcium_calmodulin_dependent_protein_kinase_ll_delta metacells HoiH23 OG_8606 HoiH23_PIH23_009894-RA $calcium_calmodulin_dependent_protein_kinase_II_delta$ metacells

Tadh OG_9089 Tadh_TriadT26486 mitogen_activated_protein_kinase_kinase_kinase_10 10 metacells TrH2 OG_9089 TrH2_TrispH2_003242-RA mitogen_activated_protein_kinase_kinase_kinase_10 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_9089 Hhon_g04599.t1 mitogen_activated_protein_kinase_kinase_kinase_10 -4 + 7055 + 6023 + 60metacells HoiH23 OG_9089 HoiH23_PIH23_004461-RA $mitogen_activated_protein_kinase_kinase_kinase_10$ 10 metacells