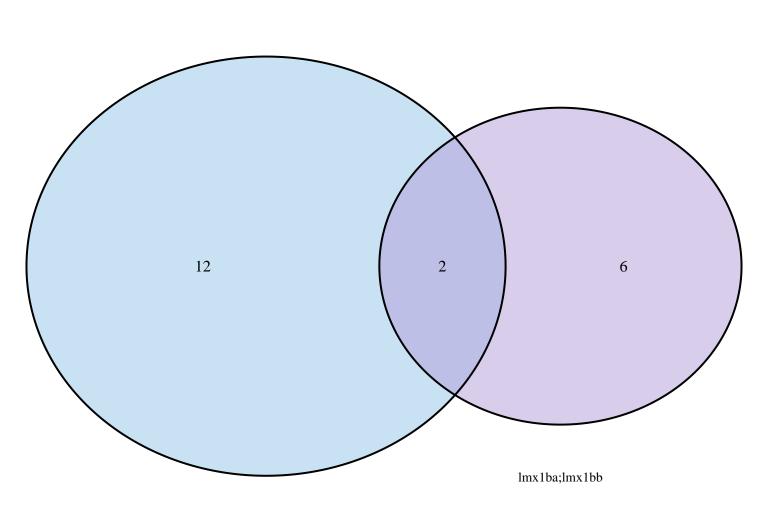
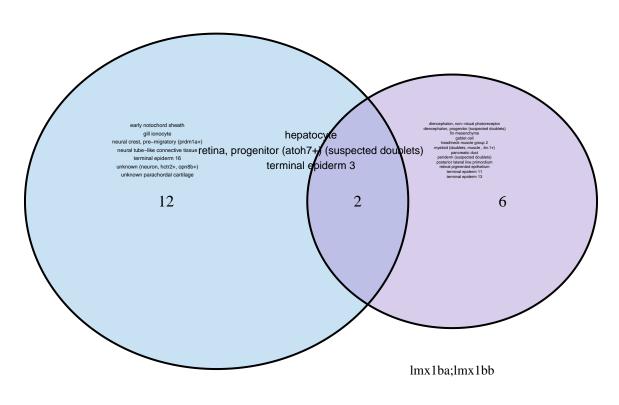
Affected Cell Types at 48 hpf

Cell types with |log fold change| > 1



Affected Cell Types at 48 hpf



ctrl-inj

Timepoint: 48 hpf

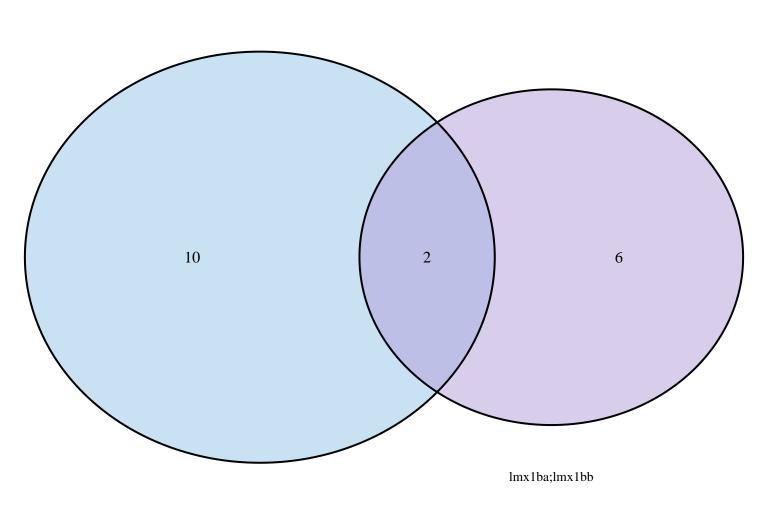
lmx1ba;lmx1bb only (6 cell types):
est, pre-migratory (prdm1a+), neural tube-like connective tissue, terminal epiderm 16, unknown (neuron, hctr2+, opn8b+), unknow

ctrl-inj only (12 cell types): let cell, head/neck muscle group 2, hepatocyte, myeloid (doublets, muscle , ttn.1+), odontoblast (tfr1a+), pancreatic duct, periderm

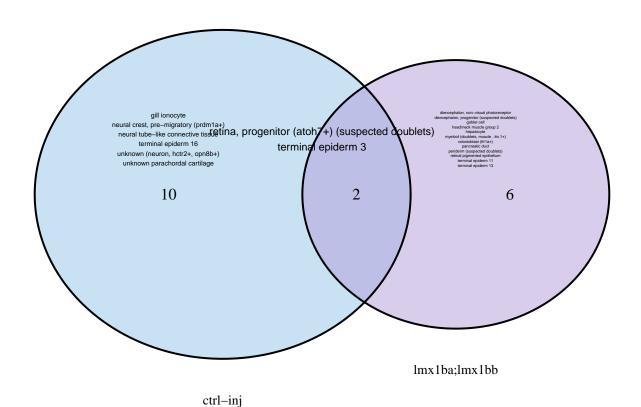
Both (2 cell types): retina, progenitor (atoh7+) (suspected doublets), terminal epiderm 3

Affected Cell Types at 72 hpf

Cell types with |log fold change| > 1



Affected Cell Types at 72 hpf



Timepoint: 72 hpf

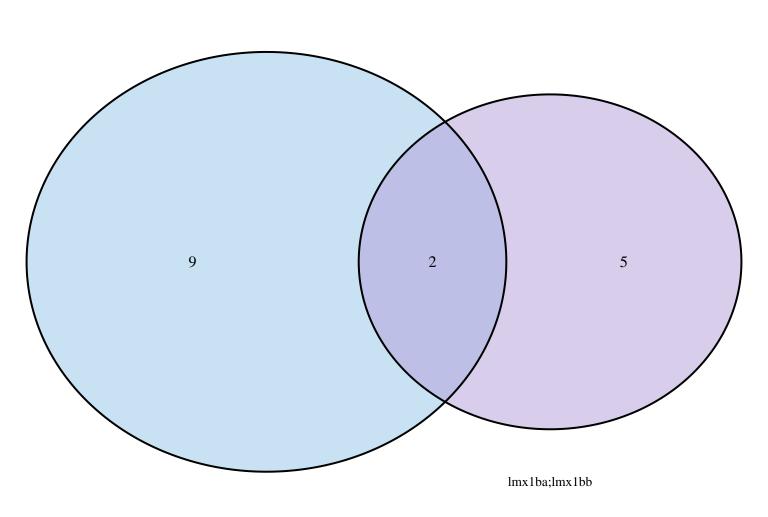
lmx1ba;lmx1bb only (6 cell types): ural tube-like connective tissue, terminal epiderm 2, terminal epiderm 9, differentiated 2, terminal periderm, cloaca, unknown parac

ctrl-inj only (10 cell types):
scle group 2, myeloid (doublets, muscle, ttn.1+), odontoblast (tfr1a+), periderm (suspected doublets), posterior lateral line primordi

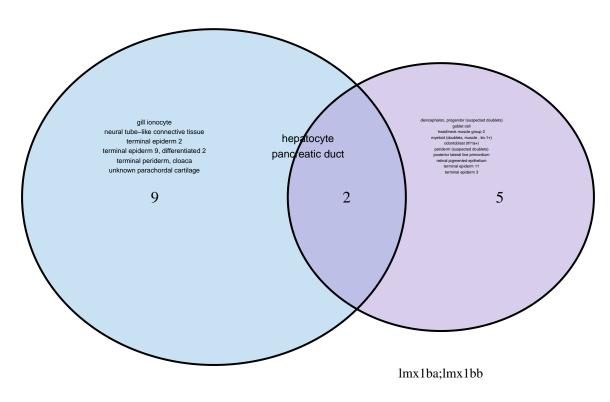
Both (2 cell types): hepatocyte, pancreatic duct

Affected Cell Types at 60 hpf

Cell types with |log fold change| > 1



Affected Cell Types at 60 hpf



ctrl-inj

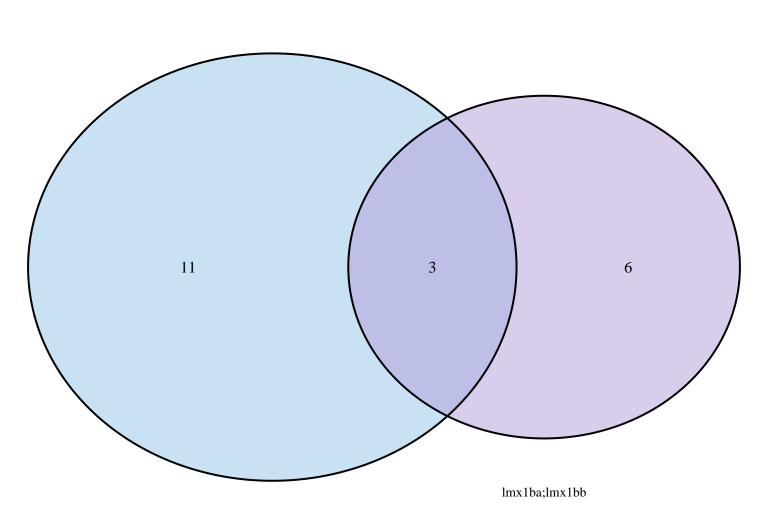
Timepoint: 60 hpf

lmx1ba;lmx1bb only (5 cell types): gill ionocyte, neural tube–like connective tissue, terminal epiderm 2, terminal periderm, cloaca, unknown parachordal cartilage

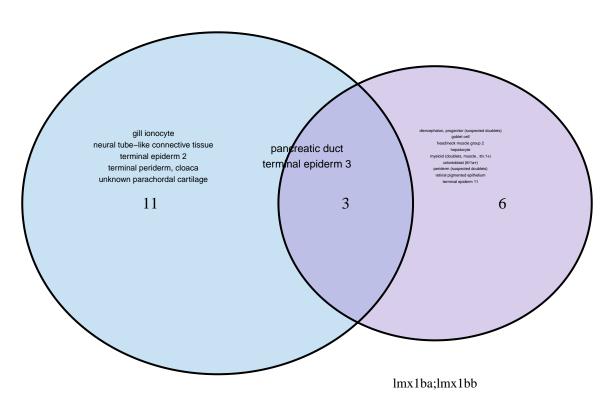
ctrl-inj only (9 cell types): t cell, head/neck muscle group 2, hepatocyte, myeloid (doublets, muscle , ttn.1+), odontoblast (tfr1a+), periderm (suspected double

Both (2 cell types): pancreatic duct, terminal epiderm 3

Affected Cell Types at 36 hpf



Affected Cell Types at 36 hpf



retina, progenitor (atoh7+) (suspected doublets), terminal epiderm 16, terminal epiderm 3

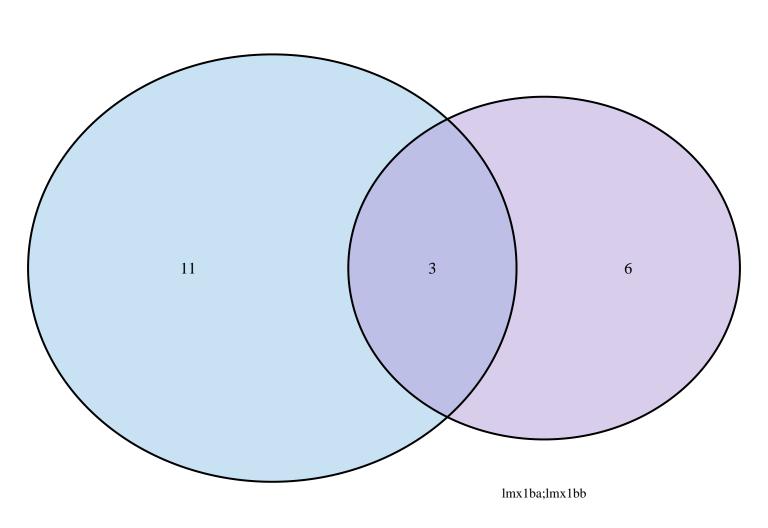
Timepoint: 36 hpf

lmx1ba;lmx1bb only (6 cell types):
gill ionocyte, neural crest, pre-migratory (prdm1a+), neural tube-like connective tissue, unknown (neuron, hctr2+, opn8b+), unknown

ctrl-inj only (11 cell types): ets), goblet cell, head/neck muscle group 2, hepatocyte, myeloid (doublets, muscle , ttn.1+), odontoblast (tfr1a+), periderm (suspect

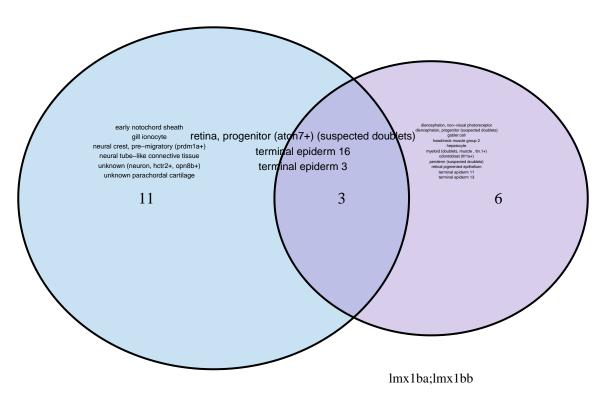
Both (3 cell types):

Affected Cell Types at 18 hpf



Affected Cell Types at 18 hpf

Cell types with |log fold change| > 1



Timepoint: 18 hpf

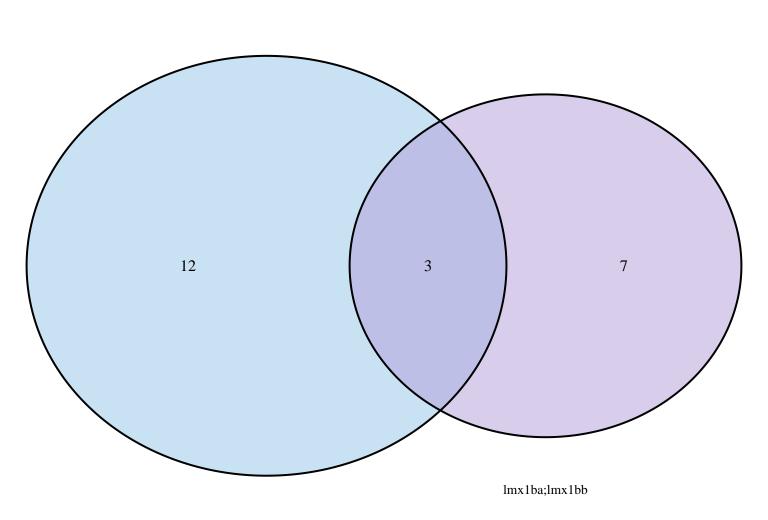
lmx1ba;lmx1bb only (6 cell types): d sheath, gill ionocyte, neural tube-like connective tissue, terminal epiderm 2, unknown (neuron, hctr2+, opn8b+), unknown parach

ctrl-inj only (11 cell types): d/neck muscle group 2, myeloid (doublets, muscle , ttn.1+), pancreatic duct, periderm (suspected doublets), posterior lateral line pri

Both (3 cell types): hepatocyte, retina, progenitor (atoh7+) (suspected doublets), terminal epiderm 3

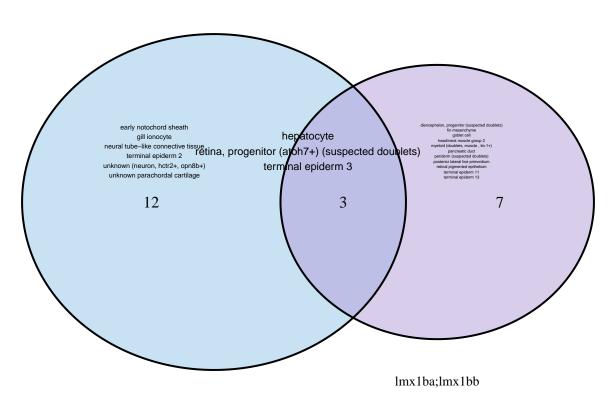
Affected Cell Types at 24 hpf

Cell types with |log fold change| > 1



Affected Cell Types at 24 hpf

Cell types with |log fold change| > 1



Timepoint: 24 hpf

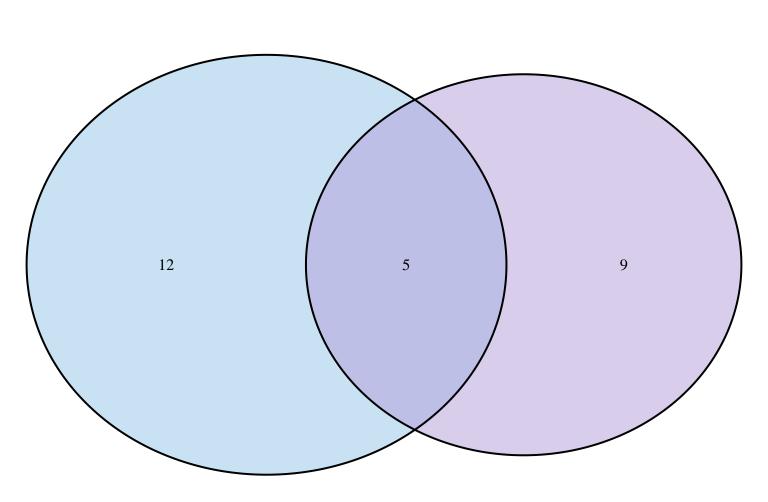
lmx1ba;lmx1bb only (7 cell types): e, neural crest, pre-migratory (prdm1a+), neural tube-like connective tissue, terminal epiderm 16, unknown (neuron, hctr2+, opn8l

ctrl-inj only (12 cell types): vme, goblet cell, head/neck muscle group 2, myeloid (doublets, muscle , ttn.1+), pancreatic duct, periderm (suspected doublets), po

Both (3 cell types): hepatocyte, retina, progenitor (atoh7+) (suspected doublets), terminal epiderm 3

Affected Cell Types Across All Timepoints

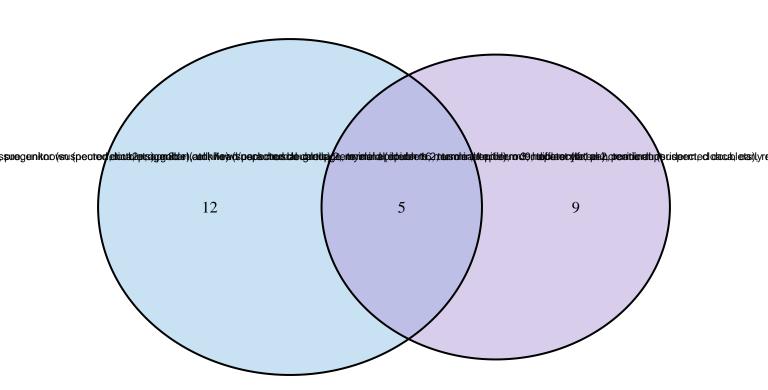
Cell types with |log fold change| > 1



lmx1ba;lmx1bb

Affected Cell Types Across All Timepoints

Cell types with |log fold change| > 1



ctrl-inj

lmx1ba;lmx1bb

All Timepoints Combined

lmx1ba;lmx1bb only (9 cell types): ike connective tissue, unknown (neuron, hctr2+, opn8b+), unknown parachordal cartilage, terminal epiderm 2, terminal epiderm 9,

ctrl-inj only (12 cell types):
ad/neck muscle group 2, myeloid (doublets, muscle , ttn.1+), odontoblast (tfr1a+), periderm (suspected doublets), retinal pigmented

Both (5 cell types): retina, progenitor (atoh7+) (suspected doublets), terminal epiderm 16, terminal epiderm 3, hepatocyte, pancreatic duct