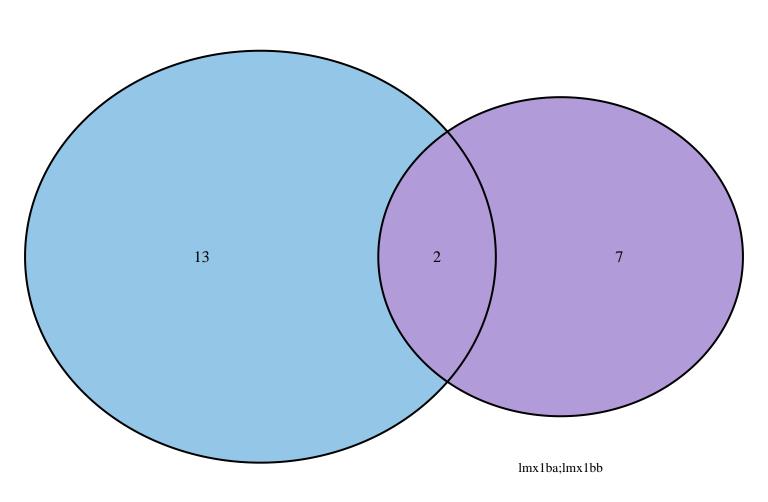
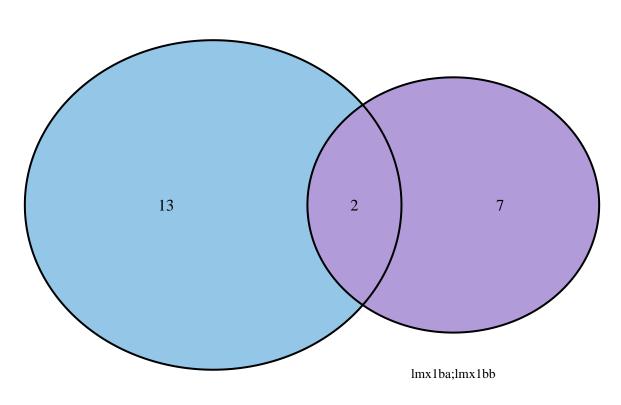
Affected Cell Types at 48 hpf



Affected Cell Types at 48 hpf



ctrl-inj

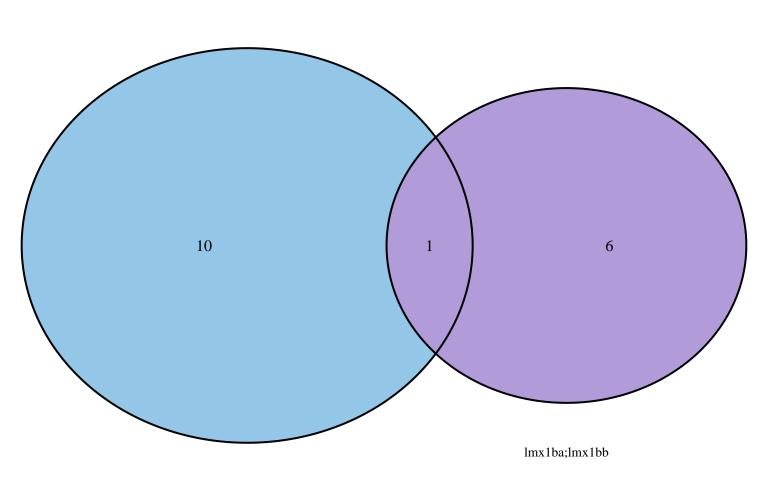
Both (1 cell types): hepatocyte

Timepoint: 72 hpf

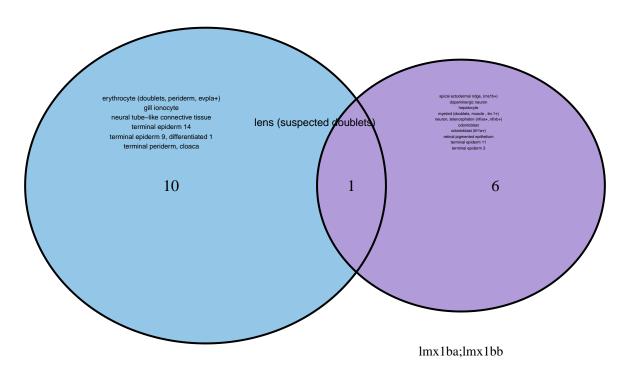
lmx1ba;lmx1bb only (8 cell types): /e tissue, terminal epiderm 9, differentiated 1, terminal epiderm 9, differentiated 2, terminal periderm, cloaca, unknown 1 (pancreas

ctrl-inj only (10 cell types):
on, telencephalon (nfixa+, nfixb+), odontoblast, odontoblast (tfr1a+), posterior lateral line primordium, retinal pigmented epithelium

Affected Cell Types at 60 hpf



Affected Cell Types at 60 hpf



ctrl-inj

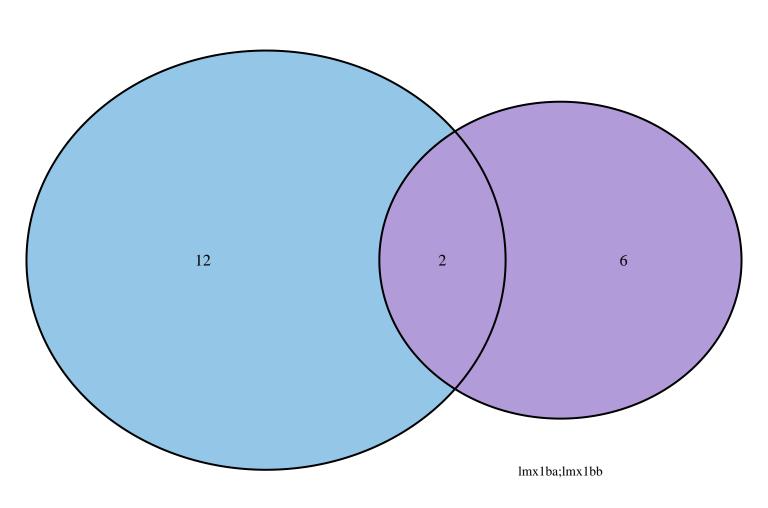
Timepoint: 60 hpf

lmx1ba;lmx1bb only (6 cell types): , periderm, evpla+), gill ionocyte, neural tube–like connective tissue, terminal epiderm 14, terminal epiderm 9, differentiated 1, term

ctrl–inj only (10 cell types): epatocyte, myeloid (doublets, muscle , ttn.1+), neuron, telencephalon (nfixa+, nfixb+), odontoblast, odontoblast (tfr1a+), retinal pign

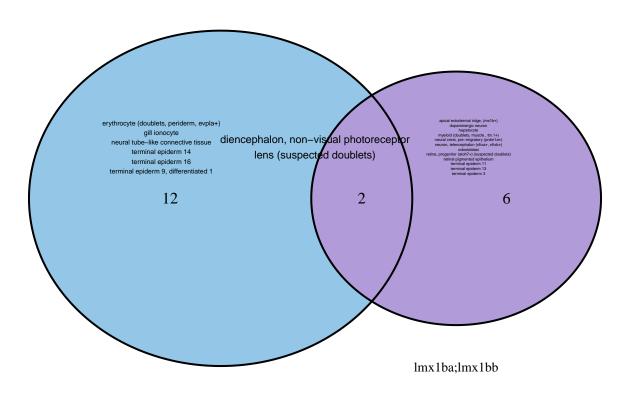
Both (1 cell types): lens (suspected doublets)

Affected Cell Types at 36 hpf



ctrl-inj

Affected Cell Types at 36 hpf



ctrl-inj

diencephalon, non-visual photoreceptor, lens (suspected doublets)

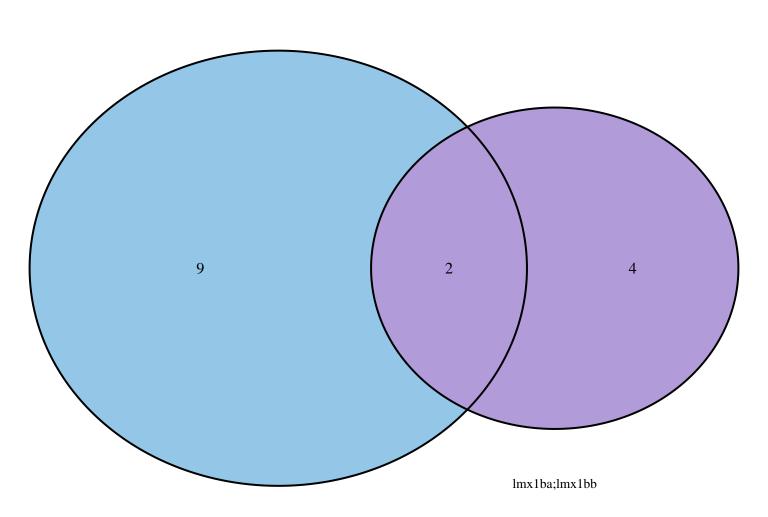
Timepoint: 36 hpf

lmx1ba;lmx1bb only (6 cell types): ets, periderm, evpla+), gill ionocyte, neural tube-like connective tissue, terminal epiderm 14, terminal epiderm 16, terminal epiderm

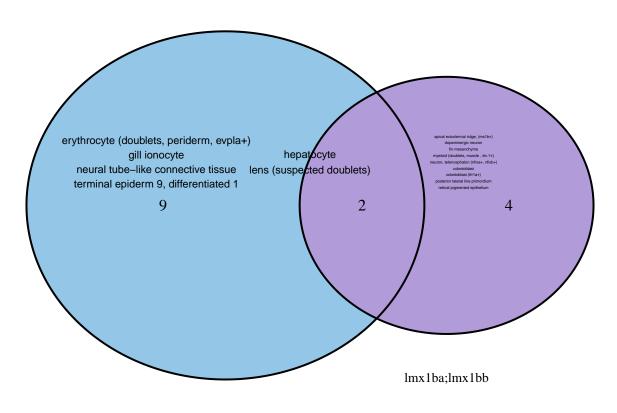
ctrl-inj only (12 cell types): n, neural crest, pre-migratory (prdm1a+), neuron, telencephalon (nfixa+, nfixb+), odontoblast, retina, progenitor (atoh7+) (suspected

Both (2 cell types):

Affected Cell Types at 18 hpf



Affected Cell Types at 18 hpf



ctrl-inj

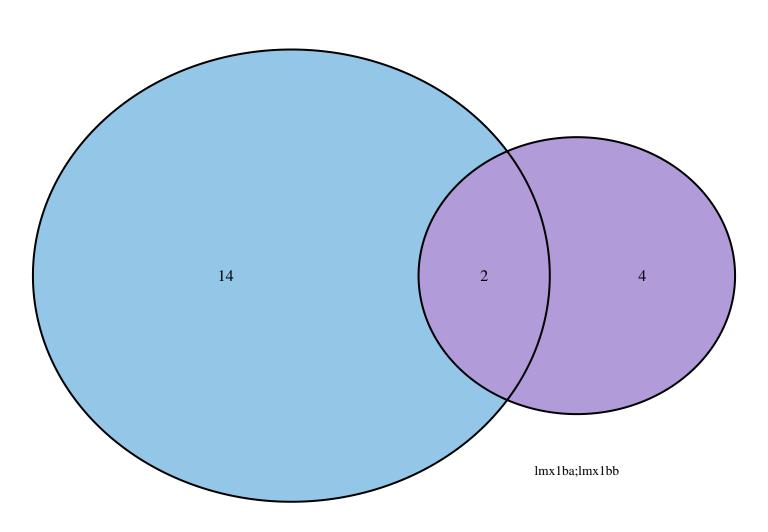
Timepoint: 18 hpf

lmx1ba;lmx1bb only (4 cell types): erythrocyte (doublets, periderm, evpla+), gill ionocyte, neural tube–like connective tissue, terminal epiderm 9, differentiated 1

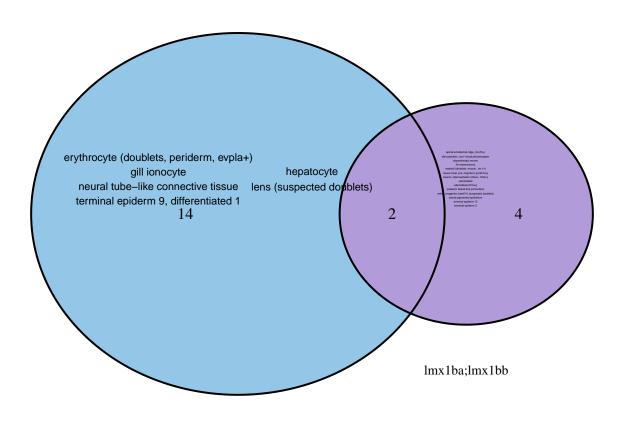
ctrl-inj only (9 cell types): fin mesenchyme, myeloid (doublets, muscle , ttn.1+), neuron, telencephalon (nfixa+, nfixb+), odontoblast, odontoblast (tfr1a+), post

Both (2 cell types): hepatocyte, lens (suspected doublets)

Affected Cell Types at 24 hpf



Affected Cell Types at 24 hpf

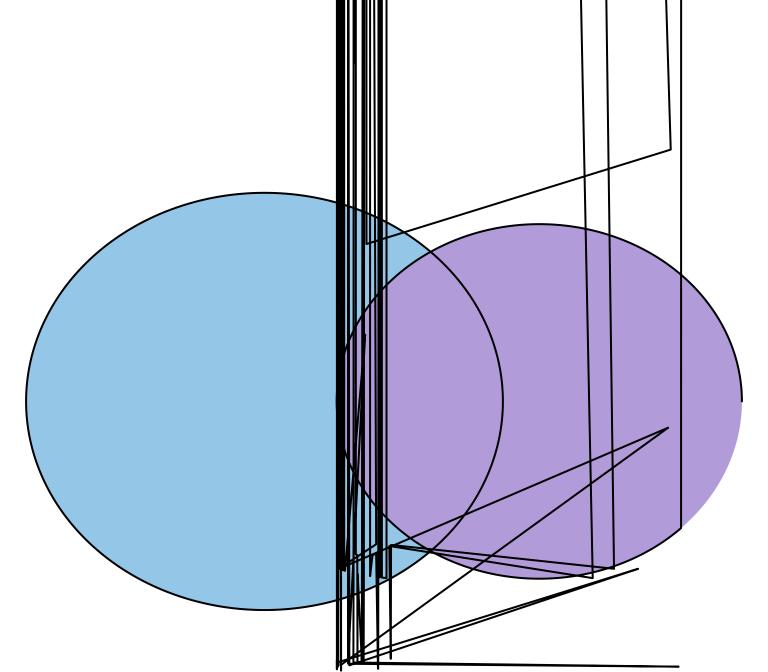


Timepoint: 24 hpf

lmx1ba;lmx1bb only (4 cell types): erythrocyte (doublets, periderm, evpla+), gill ionocyte, neural tube–like connective tissue, terminal epiderm 9, differentiated 1

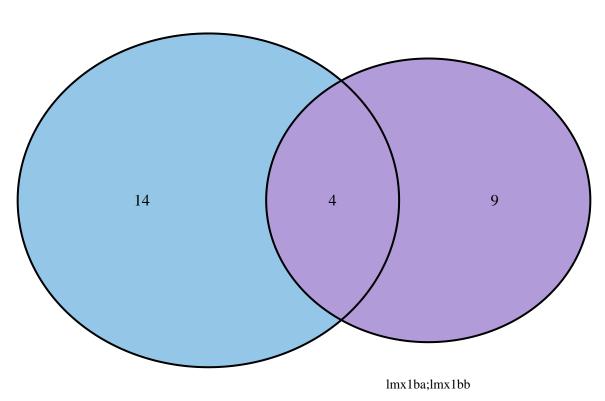
ctrl-inj only (14 cell types): , ttn.1+), neural crest, pre-migratory (prdm1a+), neuron, telencephalon (nfixa+, nfixb+), odontoblast, odontoblast (tfr1a+), posterior

Both (2 cell types): hepatocyte, lens (suspected doublets)



Affected Cell Types Across All Timepoints

Cell types with |log fold change| > 1



ctrl-inj