A
Tropicalis
Laevis L+S
Z-normalized Expression
Laevis L
Laevis S
B
L residual vs Tropicalis
L+S residual vs Tropicalis
P = 4.5x10-12
S residual vs Tropicalis
S closer to Tropicalis than L+S
S further from Tropicalis than L+S
P = 1.2x10-23
C
Maternal-zygotic genes
Tropicalis log2 TPM
ρ = 0.70
rrm2b
h3c14
hspa1l
Laevis L+S
mkrn3
ρ = 0.56
2 x Laevis L
rrm2.2
ρ = 0.47
2 x Laevis S
Both L&S copies present
Singleton gene
D
Genes down-regulated in laevis PS MO
Genes up-regulated in laevis PS MO
Genes down-regulated in laevis CHX PS MO
Tropicalis (proportion)
Up-regulated in tropicalis PS MO
Down-regulated in tropicalis PS MO
laevis regulated?
L+S
L only
S only
Both copies present
Single-ton
E
All predicted enhancers
High confidence
Lifts over
Conserved acetylation
laevis active?
Alignable sequence
F
Zebrafish (proportion)
Maternal only
Activated later
Activated by maternal factors
laevis gene activated?
G
Genes down-regulated in laevis PS MO
Genes down-regulated in laevis CHX PS MO
Nanog down-regulated
Pou5f3/ SoxB1 down-regulated in zebrafish
H