Ultraconserved peak TFBS scores hmx3a vs Hmx id1 vs ld Phox2b Rfx1\_POU2F2 FOSB::JUN
FOSL2::JUN(var.2) CREB1
JDP2(var.2) ----PHOX2A INSM1 POU3F4 15 PROP1 POU5F1B Gata4 Creb5 TCF3 10 TCF4 Lhx8 HLTF HLTF RHOXF1 RHOXF1 OTX1 • • • • • • • Nr2e1 sox21b vs SoxB2 six1b vs Six1-2 FOXC2 FOXC1 Amphioxus TFBS score OLIG3 MZF1(var.2) MAFG::NFE2L1 FOXO6 HLTF RHOXF1 JUN CDX2 MEIS1 znf503a vs Znf503-703a znf503b vs Znf503-703b PBX1\_NFYB Hoxa9 USF1 Dux MEIS2 NFYA **TBX21** 15 -CREB1 Foxi2 MEIS3 Sox2 JUN::JUNB(var.2) MEIS2 HLTF Pax2 FOXL1
FOXO6
MEIS1 EN1 ←—LIN54 10 RHOXF1 HLTF RHOXF1 5 MYB KLF5 MEF2C FOXI1 SP1 RELB MZF1 TCF7L2 znf703a vs Znf503-703a Overlap TBX21 15 Sox2 Amphioxus exclusive 10 Common RHOXF1 **HLTF** Zebrafish exclusive 5 PBX2 POU6F2 TGIF2 Zebrafish TFBS score