

**A**

Gata4	Nkx2-5	Tbx5	Peaks	Name
		X	27959	Tbx5
	X		46110	Nkx2-5
	X	X	62061	Nkx2-5 Tbx5
X			473	Gata4
X		X	19	Gata4 Tbx5
X	X		33	Gata4 Nkx2-5
X	X	X	629	Gata4 Nkx2-5 Tbx5

**B**

E12.5	HL1_BirA	Adult	Peaks	Name
		X	13527	Adult (van den Boogaard et al. JCI)
	X		85151	HL1_BirA (He et al. PNAS)
	X	X	5322	Adult HL1_BirA
X			90399	E12.5 (This study)
X		X	3826	E12.5 Adult
X	X		14357	E12.5 HL1_BirA
X	X	X	6212	E12.5 HL1_BirA Adult

**C**

E12.5	HL1_BirA	Peaks	Name
	X	112672	HL1_BirA
X		76142	E12.5
X	X	21755	E12.5 HL1_BirA

**D**

Gata4_ChIP_exp1 (He et al.)	Gata4_ChIP_exp2 (He et al.)	Gata4 (this study)	Peaks	Name
		X	828	Gata4 (this study)
	X		62170	Gata4_ChIP_exp2 (He et al.)
	X	X	43	Gata4_ChIP_exp2 (He et al.) Gata4 (this study)
X			197982	Gata4_ChIP_exp1 (He et al.)
X		X	133	Gata4_ChIP_exp1 (He et al.) Gata4 (this study)
X	X		20133	Gata4_ChIP_exp1 (He et al.) Gata4_ChIP_exp2 (He et al.)
X	X	X	160	Gata4_ChIP_exp1 (He et al.) Gata4_ChIP_exp2 (He et al.) Gata4 (this study)

**Figure 1-figure supplement4**