

Table S9. 13 Well Known Cardiac Developmental Genes are Appropriately Localized to Developmental Compartment by Unsupervised Weighted Gene Co-Expression Network Analysis of SAGE expression data

Gene	Associated Malformation	Developmental Compartment
<i>Jag1</i>	Pulmonary Stenosis/Alagille Syndrome	outflow tract
<i>Ptpn11</i>	Pulmonary Stenosis/Tetralogy of Fallot	outflow tract
<i>Hey2</i>	Ventricular Septal Defect	outflow tract
<i>Tbx5</i>	Chamber Septation/Holt-Oram Syndrome	av-canal
<i>Gata4</i>	ASD/VSD/AVSD	av-canal
<i>Nkx2-5</i>	ASD/VSD/AVSD	av-canal
<i>Hand2</i>	Abnormal endocardial cushions	outflow tract
<i>Myh7</i>	Ebstein's Anomaly/ASD/VSD/BaV	outflow tract
<i>MesP1</i>	Key Mesodermal Progenitor	av-canal
<i>Creld1</i>	AVSD	av-canal
<i>Kmt2d</i>	VSD/Kabuki Syndrome	outflow tract
<i>Myh6</i>	ASD	atria
<i>Kdm5b</i>	LV-outflow tract abnormalities	ventricle