



Supplementary information, Figure S8 Fate map of $Apln^{CreERT2/+}$ by $Rosa26^{RFP/+}$ and $Rosa26^{mTmG/+}$ line. **(A)** Immunostaining of PECAM (green) on $Apln^{CreERT2/+}; Rosa26^{RFP/+}$ heart section. RFP is endogenous lineage trace marker with no staining (red). Dotted line demarcates the border between trabecular and compact myocardium. **(B)** Immunostaining of VEGFR2 (red) on E15.5 $Apln^{CreERT2/+}; Rosa26^{mTmG/+}$ heart section. GFP is endogenous lineage trace marker with no staining (green). Dotted line demarcates the border between trabecular and compact myocardium. White bar = 100 μ m. LV, left ventricle; RV, right ventricle; VS, ventricular septum.