Supplementary Information Titles

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Journal: Nature Medicine

Article Title:	Notch3 Signaling is Required for the Development of Pulmonary Arterial Hypertension
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Supplementary Item & Number (add rows as necessary)	**Title or Caption**
Supplementary Figure 1	Expression of *Notch3* target genes in pulmonary hypertensive and normotensive lung tissue from humans and rodents.
Supplementary Figure 2	NOTCH3 and HES5 expression are predominantly localized to sPASMCs in the media in vessels with neointimal thickening.
Supplementary Figure 3	Agonist-mediated vasoconstriction in isolated small pulmonary arteries and pulmonary artery pressure as a function of flow in an isolated lung perfusion system are not affected by *Notch3* deletion.
Supplementary Figure 4	Response to intravenous vasodilators in normoxic and chronically-hypoxic *Notch3*$^{+/+}$ and *Notch3*$^{-/-}$ mice.
Supplementary Figure 5	Electron micrographs of 5th-6th order small intrapulmonary arteries 100μM in diameter from *Notch3*$^{+/+}$ and *Notch3*$^{-/-}$ mice.
Supplementary Table 1	Pulmonary and systemic arterial pressures in mouse and rat PH
Supplementary Table 2	Semiquantitative morphometric analysis of pulmonary vascular lesions.
Supplementary Methods and References	(Enclosed)