

### Supplementary Table 1

Relative quantitative mRNA expression in intrapulmonary arteries from WT and PKC $\alpha^{-/-}$  mice normalized to GAPDH expression levels and compared to expression levels in WT mice.

Target	Mouse Strain	n	Relative mRNA expression		
			mean	SEM	p-value
PKC $\beta$	WT	4	2.72	1.93	0.29
	PKC $\alpha^{-/-}$	5	17.09	8.64	
PKC $\gamma$	WT	4	1.26	0.55	0.73
	PKC $\alpha^{-/-}$	5	1.43	0.31	
PKC $\delta$	WT	6	1.14	0.26	0.31
	PKC $\alpha^{-/-}$	6	1.68	0.43	
PKC $\epsilon$	WT	5	1.19	0.28	0.79
	PKC $\alpha^{-/-}$	6	1.03	0.27	
PKC $\eta$	WT	4	1.68	0.86	0.89
	PKC $\alpha^{-/-}$	4	1.44	0.31	
PKC $\theta$	WT	5	1.74	0.94	0.56
	PKC $\alpha^{-/-}$	4	3.41	2.30	
PKC $\zeta$	WT	4	1.56	0.81	1.0
	PKC $\alpha^{-/-}$	5	0.91	0.16	
PKC $\iota$	WT	7	1.12	0.25	0.005 **
	PKC $\alpha^{-/-}$	5	3.07	0.39	
TP receptor	WT	6	1.17	0.27	0.030 *
	PKC $\alpha^{-/-}$	5	3.18	0.56	