

**Table S1. Survival and proliferation in dorsal neural tube mesenchyme**

Stage	PDGFR $\alpha$ genotype	Total cells	Prolif. index	TUNEL index
E14.5	+/+	92 $\pm$ 10	34 $\pm$ 2%	0%
	PI3K/PI3K	59 $\pm$ 9	36 $\pm$ 5%	0%
E15.5	+/+	179 $\pm$ 16	26 $\pm$ %	0%
	PI3K/PI3K	50 $\pm$ 10	29 $\pm$ 3%	0%

Sections through the lumbar region of E14.5 and E15.5 *PDGFR $\alpha$* <sup>+/+</sup> and *PDGFR $\alpha$* <sup>PI3K/PI3K</sup> embryos were examined for cell number, cell proliferation and apoptosis.