

Nanog-driven cell-reprogramming and self-renewal maintenance in *Ptch1*^{+/-} granule cell precursors after radiation injury

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Supplementary figures, tables and figure legends

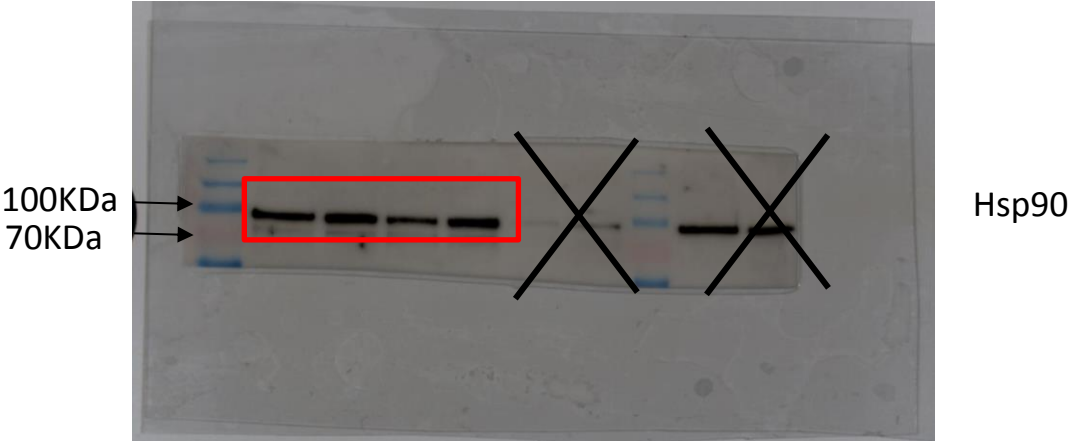
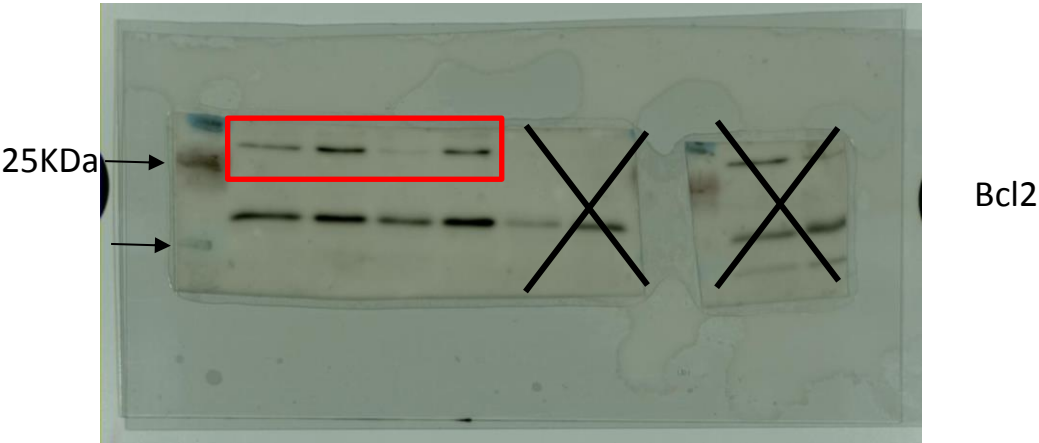
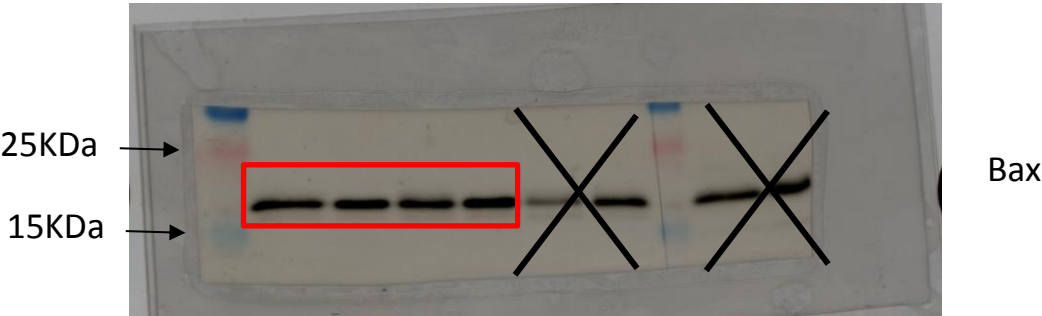
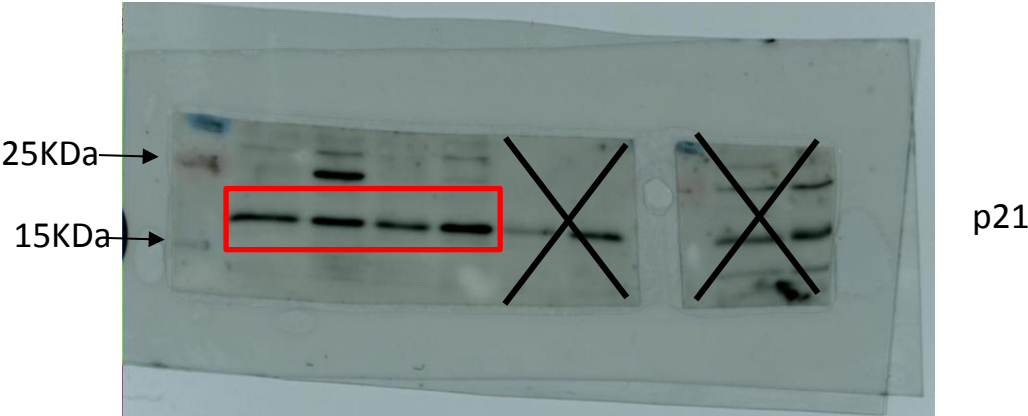
Table S1. Cell cycle analysis of unirradiated and irradiated WT and *Ptch1*^{+/-} GCPs.

Mice	Irradiation (Gy)	Time (h)	G0 (%)	G1 (%)	Proliferation index (%)
	-	0	2.74	76.61	20.65
	1	4	14.82	62.23	22.95
	1	24	17.57	70.98	11.46
	-	0	1.62*	74.37*	24.10*
	1	4	11.87*	62.03	25.70*
	1	24	9.23*	75.32*	14.94*

DNA content of GCPs was measured by propidium iodide staining followed by flow cytometric analysis. Each phase of the cell cycle was expressed as percentage of the complete cell cycle. Values are representative of three independent experiments. **P* < 0.05 *Ptch1*^{+/-} vs WT GCPs at the same time-point.

Supplementary Table S1

Figure S1: Uncropped Western blots related to main Fig. 2.



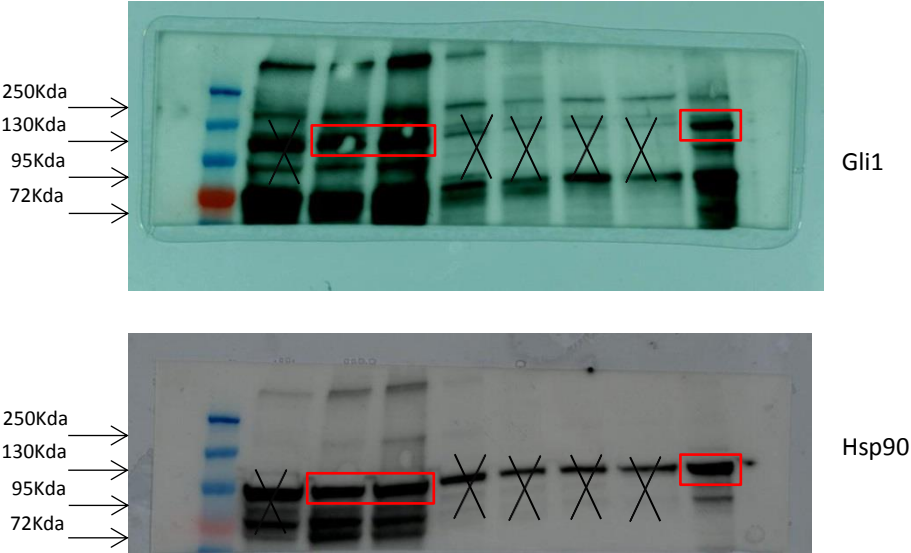
Supplementary Figure S1

Table S2. Primer sequences used for qPCR

Gene	Forward primer	Reverse primer
<i>Nanog</i>	5'-GCTCAGCACCACTGGAGTATCC-3'	5'-TCCAGATGCGTTCACCAGATAG-3'
<i>Sox2</i>	5'-CGCGGCCGGTATTTATAATC-3'	5'-ACTTTTGTCCGAGACCGAGAA-3'
<i>Oct4</i>	5'-AAAGCCCTGCAGAAGGAGCTAGAA-3	5'-AACACCTTTCCAAAGAGAACGCCC-3'
<i>Sal4</i>	5'CTCCAGCAAATCCAGCTTACG3'	5'GCGCTGCCCACATGTTC3'
<i>p53</i>	5' TGCATGGACGATCTGTTGCT3'	5' TTCACTTGGGCCTTCAAAAAA3'
<i>p21</i>	5'CGAGAACGGTGGAACCTTGAC3'	5'CAGGGCTCAGGTAGACCTTG3'
<i>Lin28</i>	5' AGTCTGCCAAGGGTCTGGAA-3'	CGCTCACTCCCAATACAGAACA-3'
<i>Gapdh</i>	5'-CATGGCCTTCCGTGTTCTTA-3'	5'-GCGGCACGTCAGATCCA-3'

Supplementary Table S2

Figure S2: Uncropped Western blots related to densitometric analysis of Gli1 showed in Fig. 5b.



Supplementary Figure S2