

Transcriptional response of polycomb group genes to status epilepticus in mice is modified by prior exposure to epileptic preconditioning.

AUTHOR(S)

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CITATION

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<https://hdl.handle.net/10779/rcsi.10792226.v1>

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LICENCE

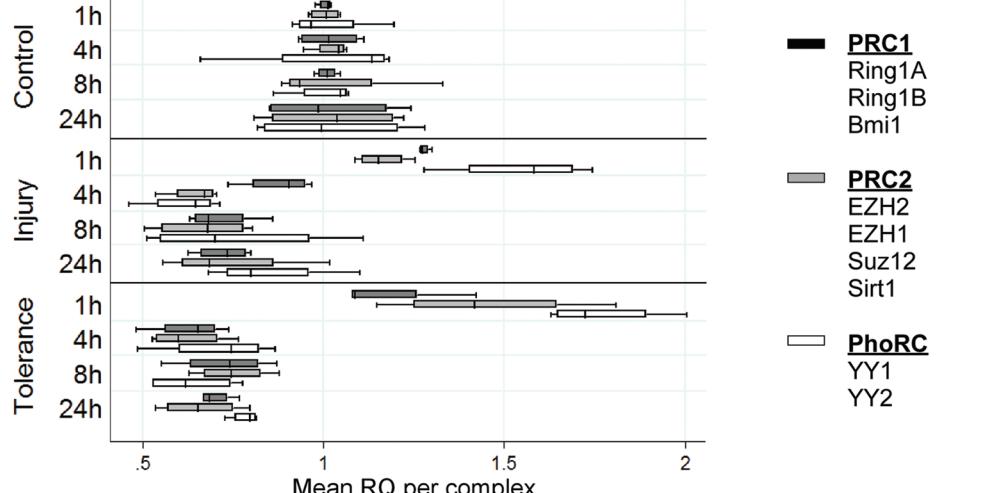
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CA3



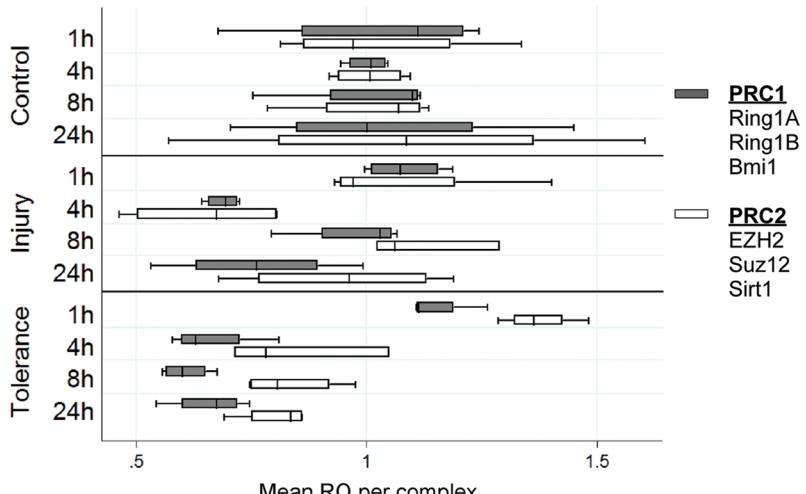
b

	1h		4h		8h		24h	
	Injury	Tolerance	Injury	Tolerance	Injury	Tolerance	Injury	Tolerance
Control	**	ns	ns	**	ns	**	*	**
Injury	ns	*	ns	***	ns	*	ns	ns

Legend:

- PRC1 (white)
- PRC2 (blue)
- PhoRC (orange)

c



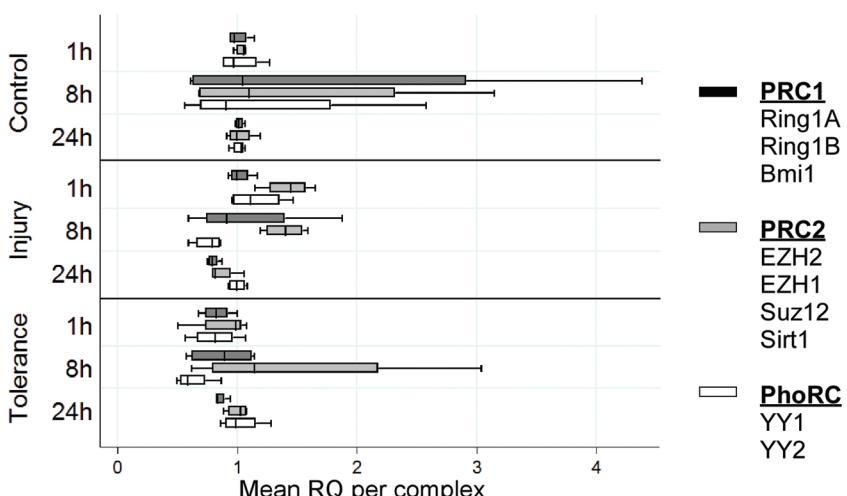
d

	1h		4h		8h		24h	
	Injury	Tolerance	Injury	Tolerance	Injury	Tolerance	Injury	Tolerance
Control	ns	ns	ns	ns	ns	ns	ns	ns
Injury	ns	ns	ns	ns	ns	ns	ns	ns

Legend:

- PRC1 (white)
- PRC2 (blue)

e



f

	1h		8h		24h	
	Injury	Tolerance	Injury	Tolerance	Injury	Tolerance
Control	ns	ns	ns	ns	ns	ns
Injury	*	ns	ns	ns	ns	ns

Legend:

- PRC1 (white)
- PRC2 (blue)
- PhoRC (orange)

CA1

DG

Supplementary Figure 2 | Expression of individual PRC constituents following SE predicts complex-wide effects in the hippocampus. **(a)** Mean RQ scores of CA3 expression for each of the three PcG complex groups were generated using qRT-PCR measurements as in Figures 4-7. Expression was corrected to β -actin ($n = 4$). **(b)** Statistical outputs demonstrating statistically significant differences in **(a)** were computed using analysis of variance with Tukey post-hoc test. All data expressed as mean \pm S.E.M., * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Similar analyses are presented for CA1 **(c, d)** and DG **(e, f)**. CA, cornu ammonis; DG, dentate gyrus; PRC, Polycomb Repressive Complex.