

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

### AUTHOR(S)

James P. Reynolds, Suzanne FC Miller-Delaney, Eva M. Jimenez-Mateos, Takanori Sano, Ross C. McKiernan, Roger P. Simon, David Henshall

### CITATION

Reynolds, James P.; Miller-Delaney, Suzanne FC; Jimenez-Mateos, Eva M.; Sano, Takanori; McKiernan, Ross C.; Simon, Roger P.; et al. (2015): Transcriptional response of polycomb group genes to status epilepticus in mice is modified by prior exposure to epileptic preconditioning.. Royal College of Surgeons in Ireland. Journal contribution. <https://hdl.handle.net/10779/rcsi.10792226.v2>

### HANDLE

[10779/rcsi.10792226.v2](https://hdl.handle.net/10779/rcsi.10792226.v2)

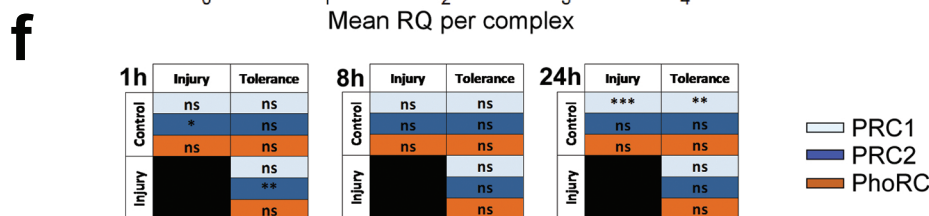
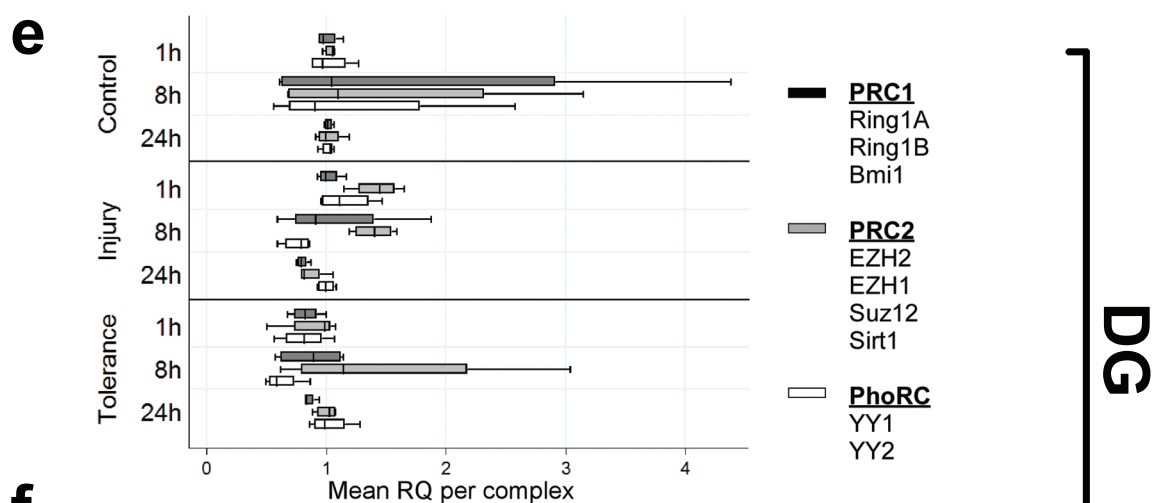
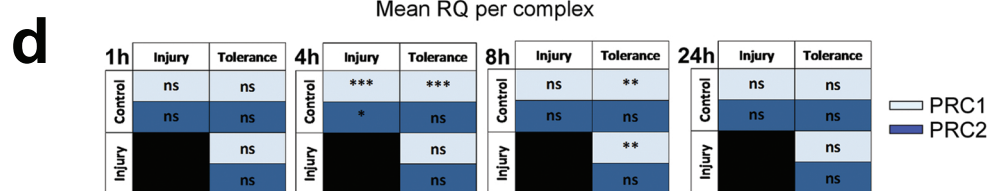
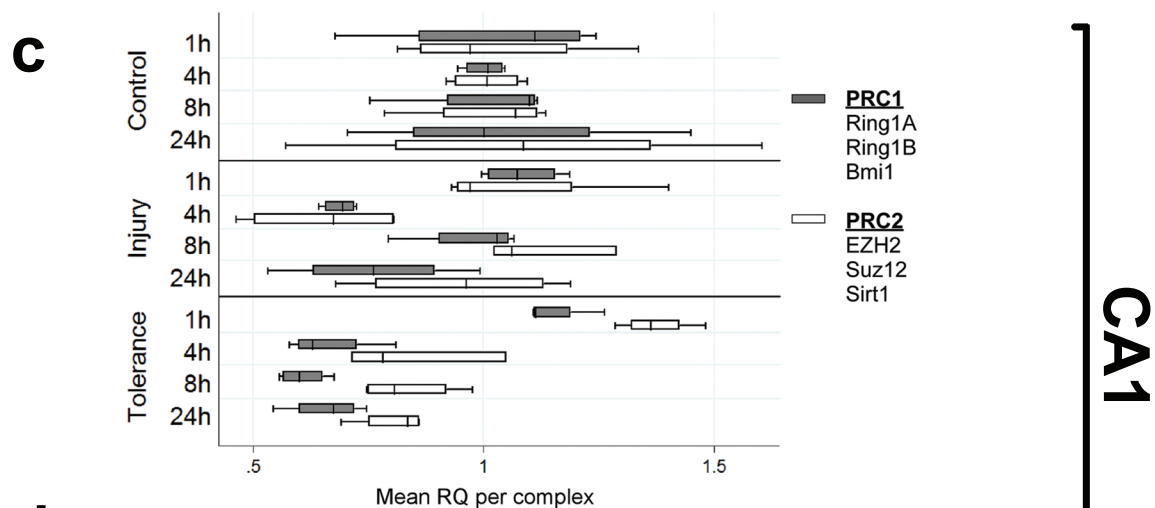
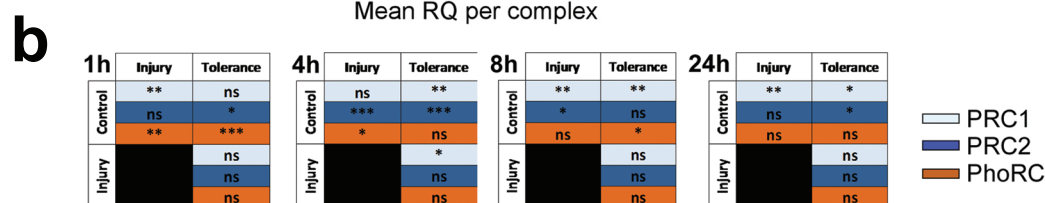
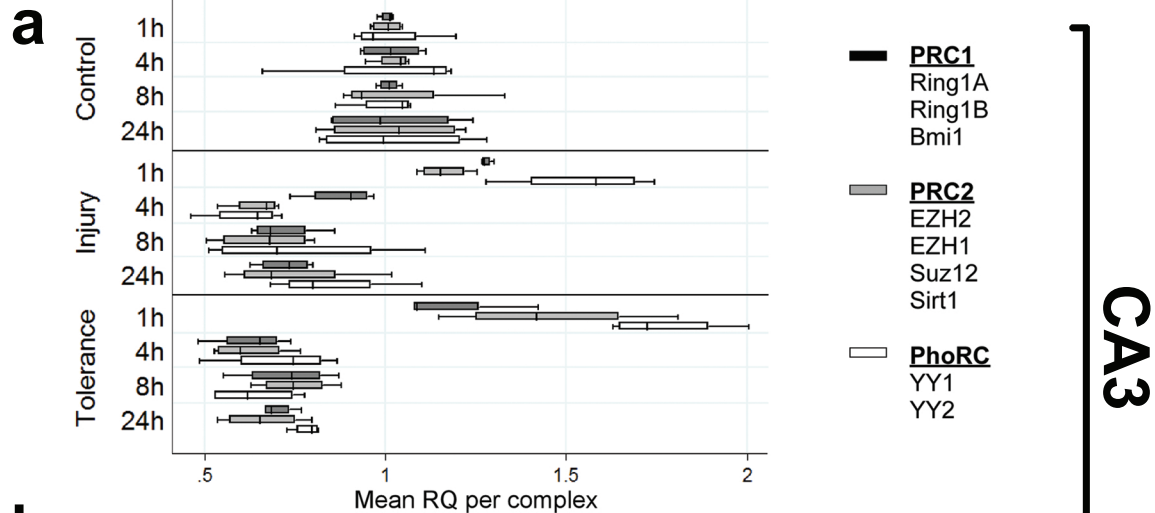
### LICENCE

CC BY-NC-ND 4.0

This work is made available under the above open licence by RCSI and has been printed from <https://repository.rcsi.com>. For more information please contact [repository@rcsi.com](mailto:repository@rcsi.com)

### URL

[https://repository.rcsi.com/articles/journal\\_contribution/Transcriptional\\_response\\_of\\_polycomb\\_group\\_genes\\_to\\_status\\_epilepticus\\_in\\_mice\\_is\\_modified\\_by\\_prior\\_exposure\\_to\\_epileptic\\_preconditioning\\_/10792226/2](https://repository.rcsi.com/articles/journal_contribution/Transcriptional_response_of_polycomb_group_genes_to_status_epilepticus_in_mice_is_modified_by_prior_exposure_to_epileptic_preconditioning_/10792226/2)



**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  $\beta$ -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.