

Additional File 5

Figure S1: Immunohistochemical detection of H3K27me2 in 10-day mouse and neonatal pig neocortex. In control brains (0 hour), the nuclei of all cells, except for a subpopulation of endothelial cells, are positive. Photomicrographs show decreased intensity of immunoreactivity in medium-size nuclei of mouse brain at 48 and 72 hours post-mortem, and in large neuronal nuclei of pig brain by 72 hours post-mortem. Images taken at x 400 magnification. DAB detection of antibody (brown) and hematoxylin counterstain (blue).

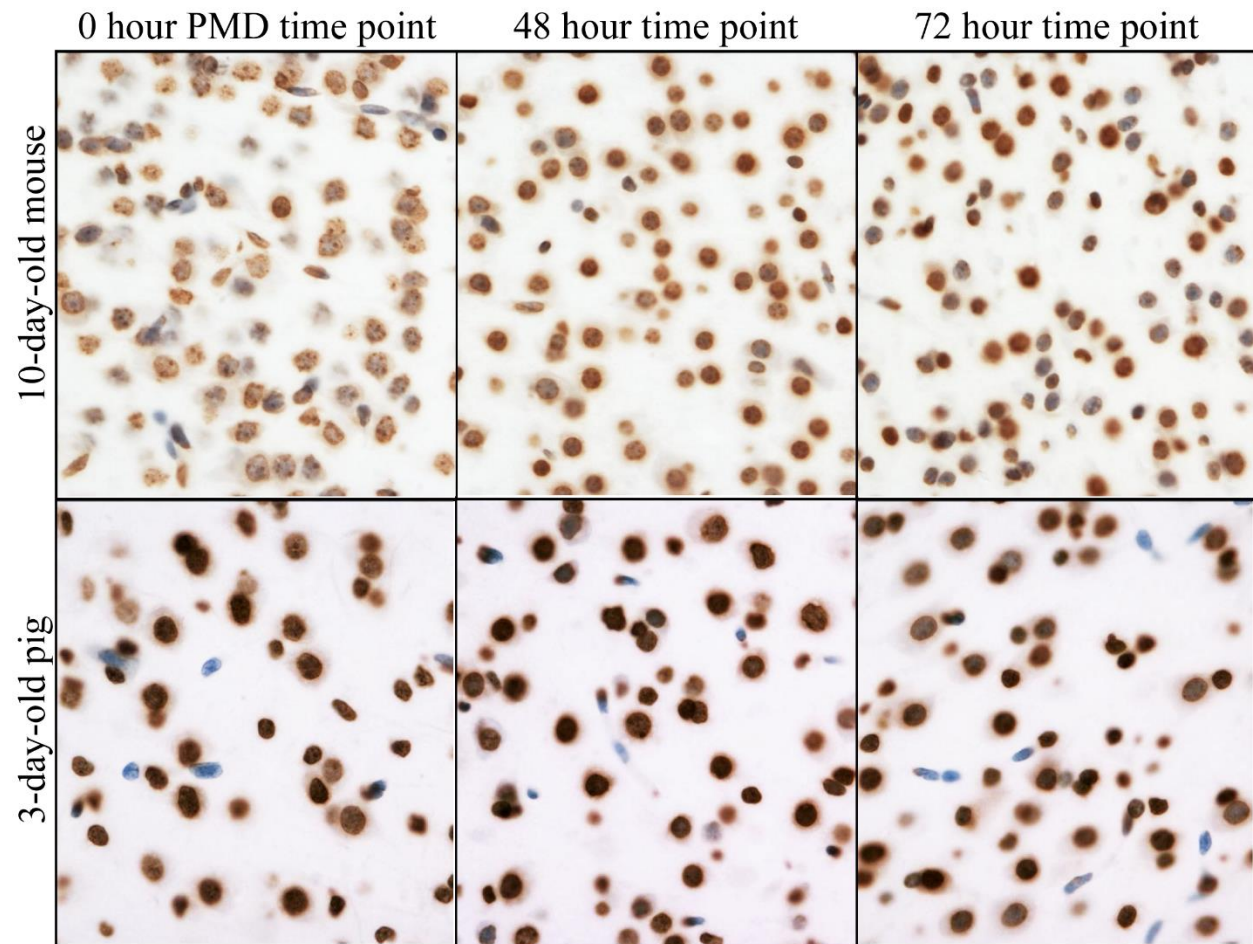


Figure S2: Immunohistochemical detection of “total” histone H3 and H4 in neonatal pig and mouse neocortex. In control (0 hour) pig brain and 10-day and 10-week mouse brains, anti-H3 and anti-H4 label nuclei in all but a subset of endothelial cells. However, in newborn mouse brain, anti-H3 does not label the most immature cells. Photomicrographs show a minor decrease in the intensity of immunostaining of large neurons in pig brain at 72 hours post-mortem. In mouse brain at all ages, loss of H3 and H4 immunoreactivity is more substantial at 72 hours post-mortem. Images taken at x 400 magnification. DAB detection of antibody (brown) and hematoxylin counterstain (blue).

