

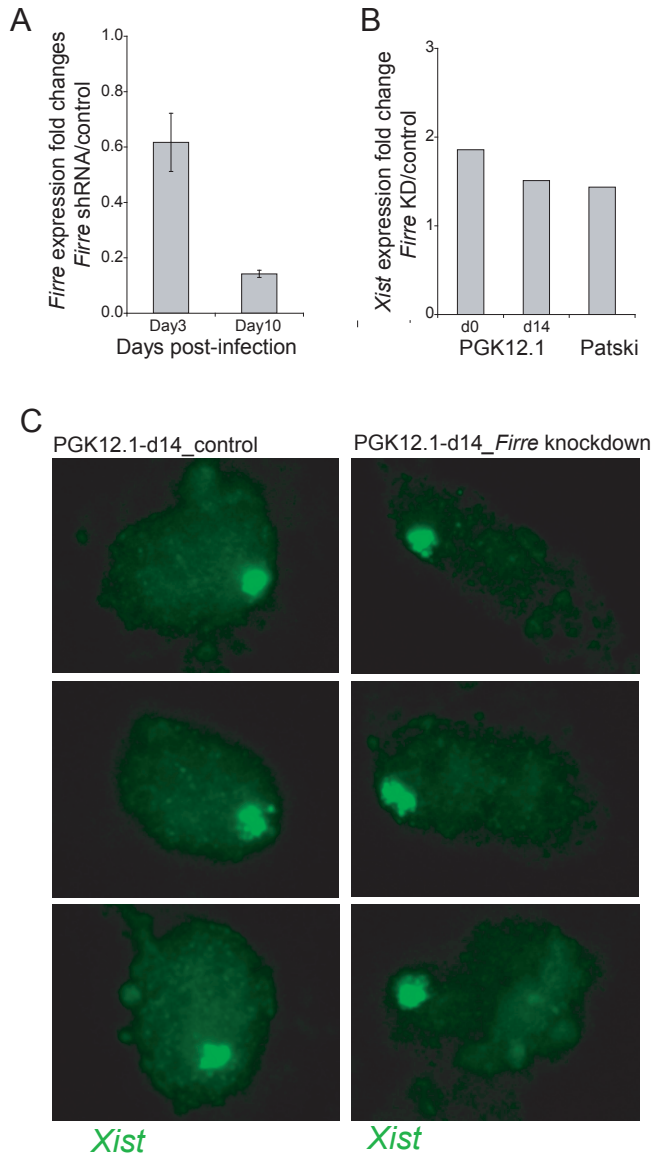


Figure S6. *Firre* stable knockdown in female mouse ES cells did not disrupt *Xist* upregulation/coating during differentiation. **(A)** Evidence of stable *Firre* knockdown (KD) in female mouse ES cells PGK12.1 using shRNA. qRT-PCR was performed at day 3 and day 10 after infection with lentiviral particles carrying control scramble shRNA or *Firre* shRNA. Puromycin was added one day after infection to select cells expressing shRNA. **(B)** Similar *Xist* expression fold change are observed in undifferentiated and differentiated PGK12.1 ES cells (see also Fig. 7G) and Patski cells (see also Fig. 7E) upon *Firre* knockdown. **(C)** *Xist* cloud shape and size is similar between control and knockdown PGK12.1 cells at day14. Examples of *Xist* (green) RNA FISH in three nuclei for each condition are shown.