

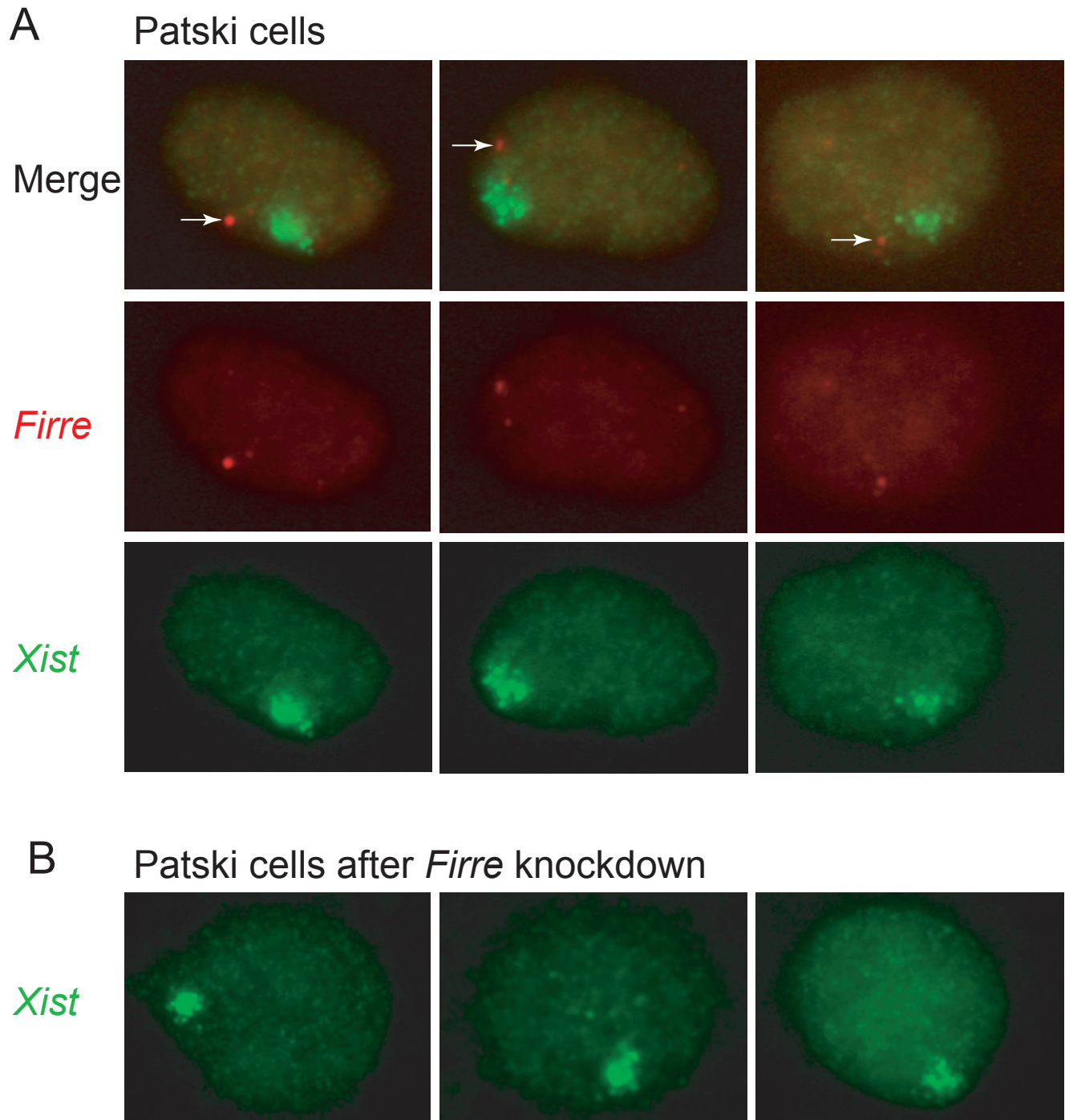


Figure S2. RNA-FISH fails to detect a *Firre* signal on the Xi in Patski cells and detects no changes in *Xist* cloud after *Firre* knockdown. **(A)** Examples of RNA-FISH for *Firre* (red) and *Xist* (green) to mark the Xi in nuclei of Patski cells. The single bright *Firre* signal that does not overlap with *Xist* presumably corresponds to the Xa (arrow). **(B)** No change in the size or shape of *Xist* RNA clouds was detected in Patski cells after *Firre* knockdown. Examples of *Xist* (green) RNA FISH in nuclei of Patski cells after *Firre* knockdown using shRNA.