



DNA FISH demonstrates normal chromosome composition in *Sry*-targeted mES clones (representative image). A total of 40 chromosomes, including Y chromosomes, were observed in *Sry*^{tm1}, *Sry*^{tm2}, *Sry*^{tm3}, and *Sry*^{tm4} metaphase/interphase mESCs, whereas *Sry*^{tm5} cells are aneuploidy (containing 41 chromosomes). BAC clones, 291C04 and 146P03, from the RPCI-24 library, were used for probing the mouse Y short arms (green) and long arms (red), respectively. DNA was counterstained with DAPI (gray).