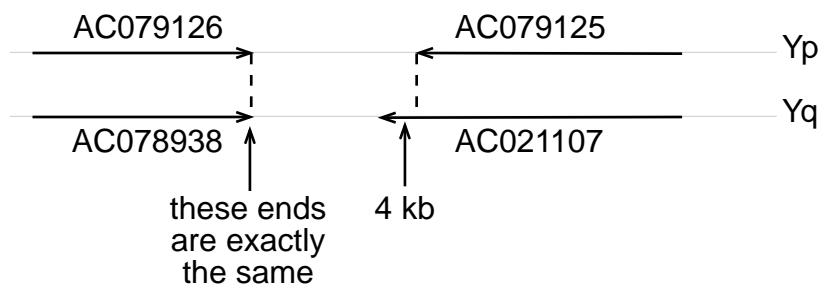
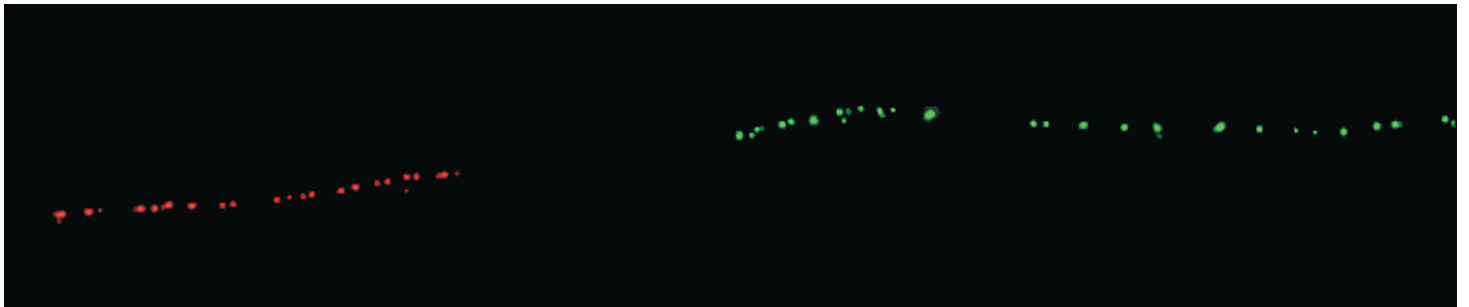


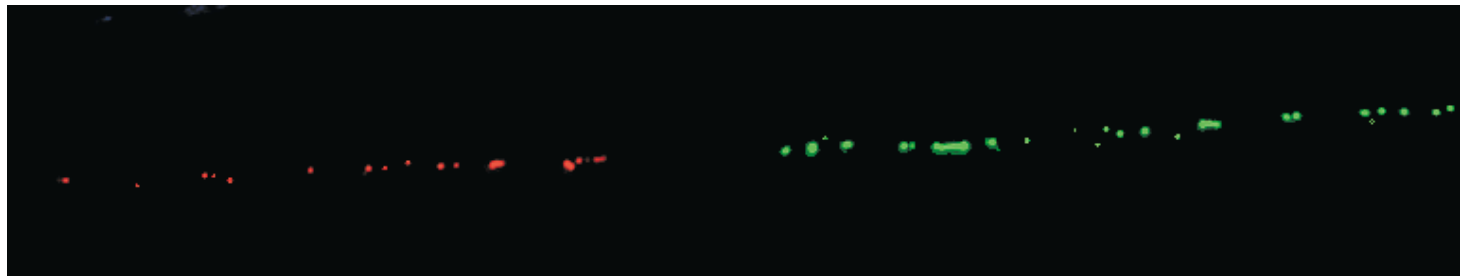
IR4 gaps:



To estimate the size of the Yp gap, we carried out fibre-FISH analysis of a cell line from a man (WHT3642; Repping S, *et al. Am J Hum Genet* **71**:906-922, 2002) with a microdeletion of the region containing the Yq gap. Probes were BACs AC079126 (red) and AC079125 (green).



To estimate the size of the Yq gap, we carried out fibre-FISH analysis of a cell line from a patient (WHT3258; unpublished) whose DNA does not contain any Yp DNA. Probes were BACs AC079126 (red) and AC021107 (green).



Distal Yq:

To estimate the distance between the distal boundary of the major heterochromatic region on Yq and the second pseudoautosomal region (PAR2), we carried out fibre-FISH analysis on a cell line from a male control patient. Probes were BACs AC0068123 (red) and a BAC that spanned the PAR2 boundary, RP11-537M07 (green--Tilford CA, *et al. Nature* **409**:943-945, 2001).

