You wish to clone *reg*, a gene that confers on unfortunate affected individuals an abhorrence of reggae music. To try to help the afflicted, you decide to clone the gene. Extensive pedigree analysis reveals that *reg* is tightly linked to *jaz*, a previously cloned gene, on the fourth chromosome. Briefly outline how you would go about cloning *reg*.

**Strategy?  Chromosome walk**

Isolate genomic DNA, cut with restriction endonuclease, cut vector (large inserts) with compatible nuclease, select on antibiotic plates, colony screen with *jaz* probe (lay filter on colonies then remove, lyse cells on filter, hybridize with *jaz* probe, wash and expose to X-ray film). Make new probe closer to *reg*, rescreen, etc. Must be able to recognize *reg*. 