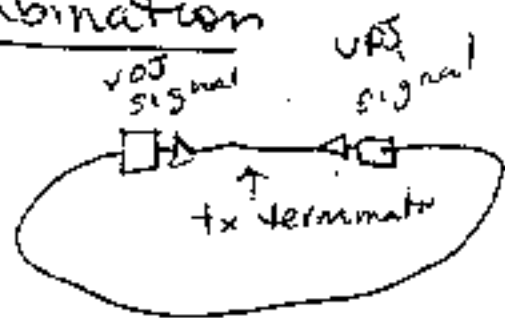


KU - Von Smeter

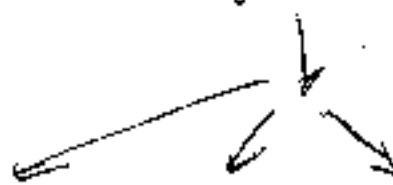
KU AUTOANTIGEN

X Ray-Sensitive -- 9 groups
- 4 are defective in DS-Break Repair

VDJ Recombination



→ transfect into cells



Mobility Shift

- screened cells for mobility shift of DS DNA ENDS
- XR55 & XR-VIS & XR-V9B --- no binding ds DNA
- similar to KU-Antigen

KU protein

- p70 --- C term binds DNA
- a transmembrane domain like seq. in middle

- localized to nucleus during G1

- p350 = DNA dependent protein kinase

- p86 = proteolytically cleaved in some conditions

- might be involved in polI txn