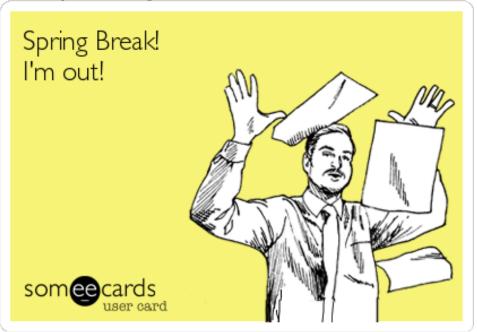
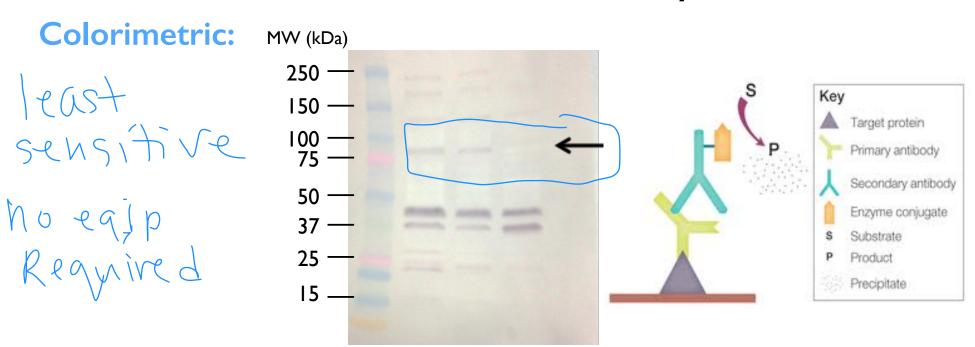
M2D3: Complete Western / Damage DNA 1/20/15

- Pre-lab discussion: Review Western Blot(WB) & Restriction Enzyme(RE) Digest
- 2. Set-up RE Digest
- 3. 2nd step of WB
- 4. Gel purify cut DNA for NHEJ assay!
- 5. Spring Break!



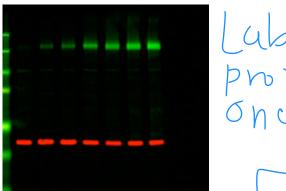
Purpose ot WB Validate the system confirm decrease in Ku80 expression. (-) Ku20 (-) Ku80. CHO-KI cells CHO-xrs6 cells 73ST. Tris Buf. Saline + o. 1. I. Ween (mild detergent) Block: Fish

Western blot detection systems:



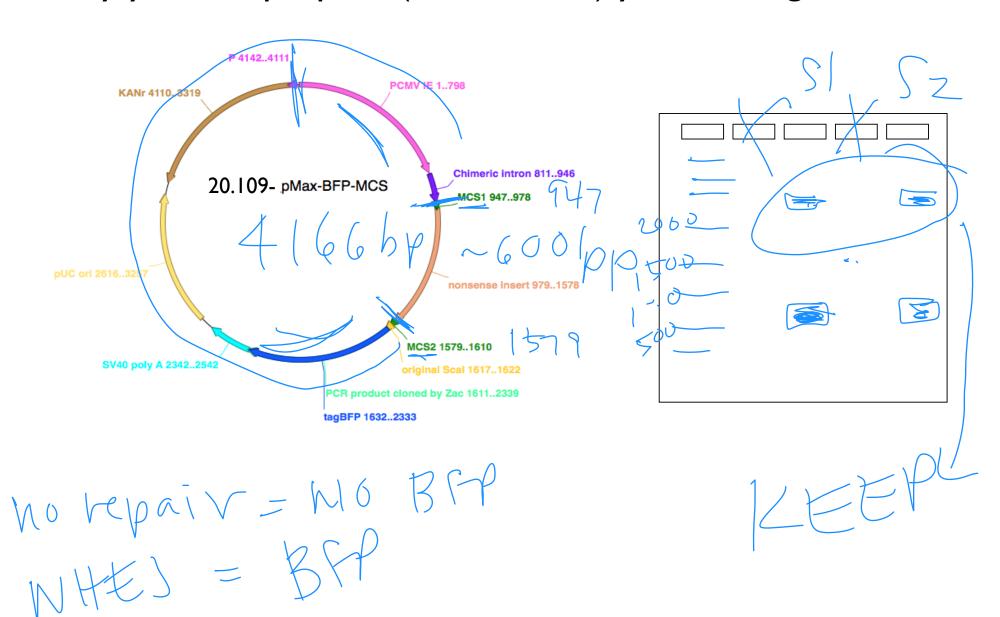
Chemiluminescent: Move sensitive
Fluorescent: Li Cov





Label 2 proteins at Once Restriction Digest

Today you will prepare (and validate) your damaged DNA:



Enzymes available in 20.109 for cut topology

Buffer-Cut Smart B917 buf31 I. Sticky ends, 5' overhangs

- 2. Sticky ends, 3' overhangs
- 3. Blunt
- Hybrid: 5' sticky upstream, blunt downstream
- Hybrid: 3' sticky upstream, blunt downstream
- Sticky ends with sequence mismatch
- Sticky ends with sequence and topology mismatch

Today in Lab:

- 1. Set-up digest Dilute enzyme in:
- 2. Finish WB go with Nova to imager (if time allows)
- Gel purify digest product: Leave a space/empty lane in gel!
- 4. Primer Design Memo due tonight 10pm

Due after spring break (woo hoo!):

Microbiota re-write (final due SATURDAY, 4/4 5pm)

M2D4 (Wednesday April Ist)

- I. Draft of methods for your Module 2 research article.
- 2. Figure, caption and narrative depicting your Western blot results.

Prep transfection Calculation