Diagram and describe the experiemental genetic screen utilized by the authors to isolate recombination mutants. Is it a positive selection or a negative selection? What controls would be important to include when setting up and running this experiment?

One trivial (or uninteresting) reason that the mutants might be defective in recombination is that they had mutations which simply prevented DNA from entering the recipient cells. How did the authors test this possibility? Describe the rationale?

Why did the authors check if the mutants were hypersensitive to UV radiation?

At the beginning of the discussion section, the authors define recombination... why is this definition important?