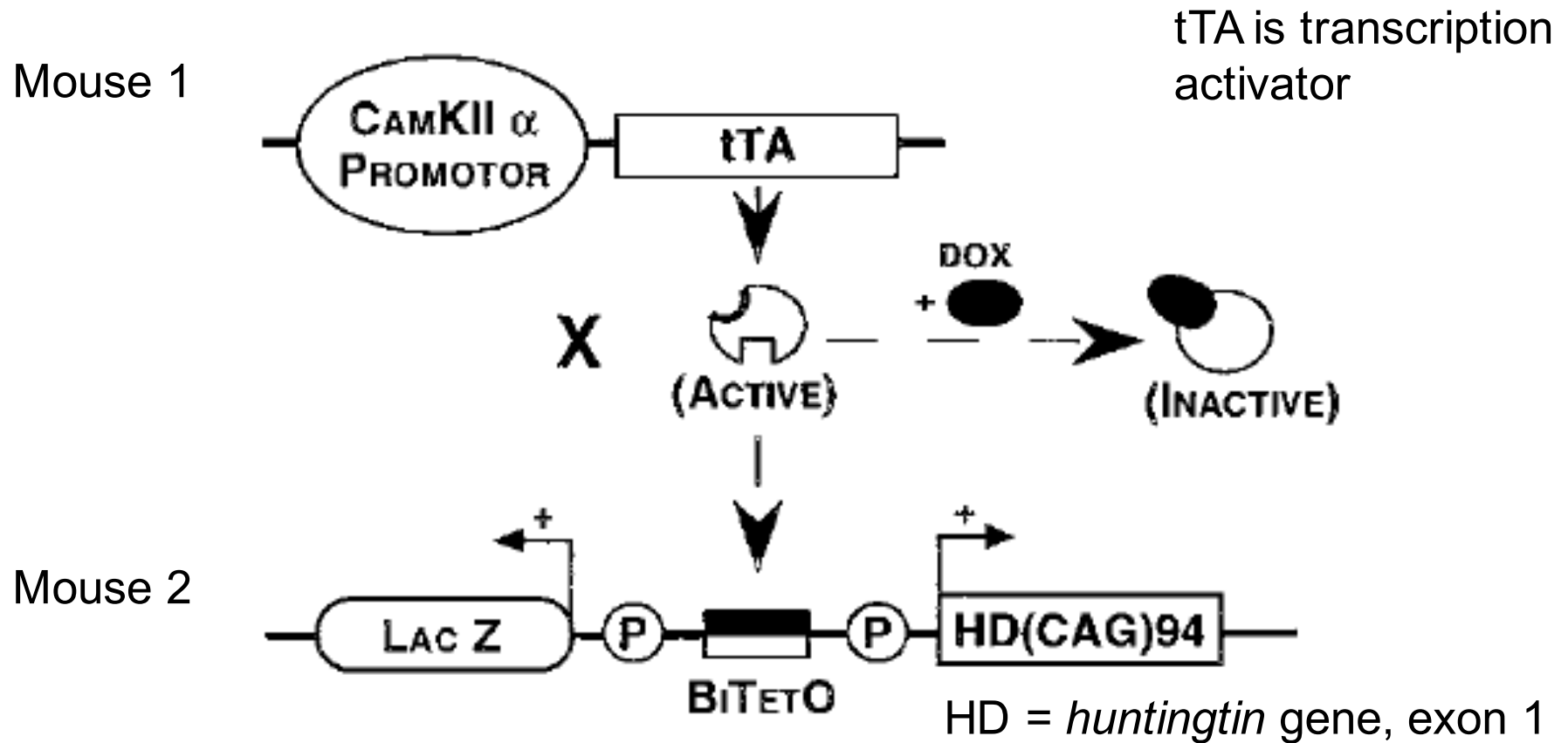


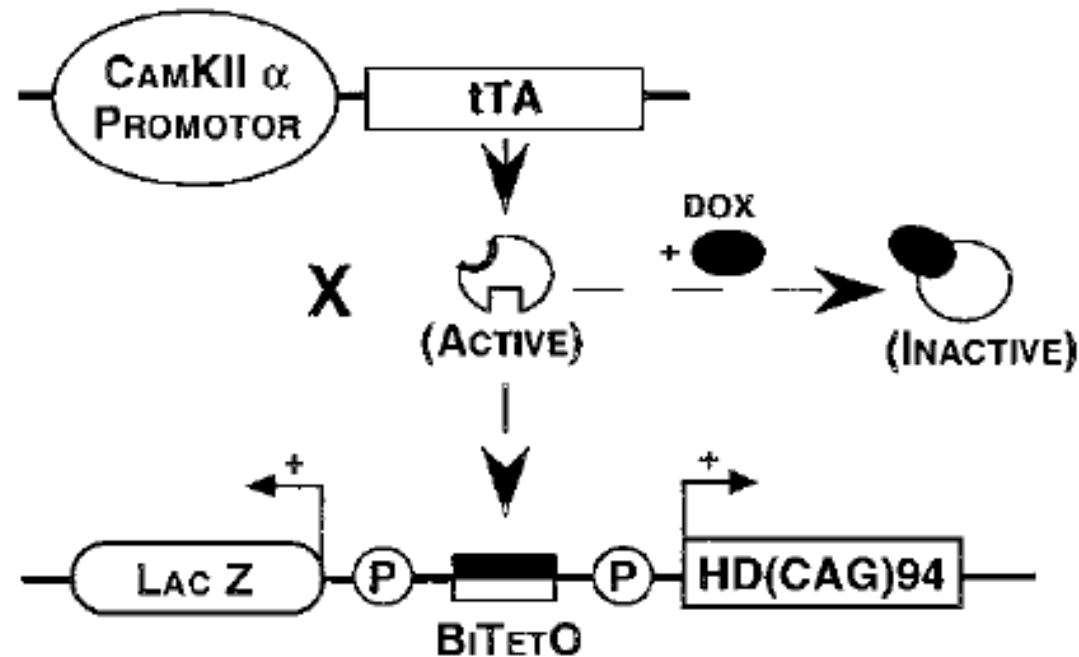
Testing connection between CAG repeats and HD pathology



Explain the components of these transgenes.

What will the researchers be able to do with the offspring of this cross?

Testing connection between CAG repeats and HD pathology



What is the purpose of tTA in this experiment? In other words, why not just directly attach the CaMKII promoter to HD(CAG)94?

- A) tTA allows researchers to express HD(CAG) only in striatum
- B) tTA acts as a reporter gene, so researchers know where transgenes are expressed
- C) tTA is used to repress expression of wildtype Htt
- D) tTA allows researchers to turn on and off expression of HD(CAG)