

10 µm

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Avian Z and W sex chromosomes





The right hand image shows Immunodetection of elongating form of RNA polymerase II with hyperphosphorylated C-terminal domain (red signal) in the axes of lateral loops. Z and W sex chromosomes in the lampbrush form offer exceptional opportunities for investigating some important problems of vertebrate sex determination.

Reference: Mizuno, S. and Macgregor H. 1998. The ZW lampbrush chromosomes of birds: a unique opportunity to look at the molecular cytogenetics of sex chromosomes. *Cytogenet Cell Genet*. 80: 149 – 157.