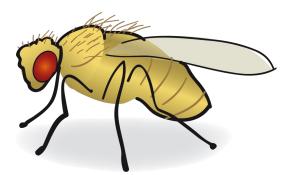
# i i Sage

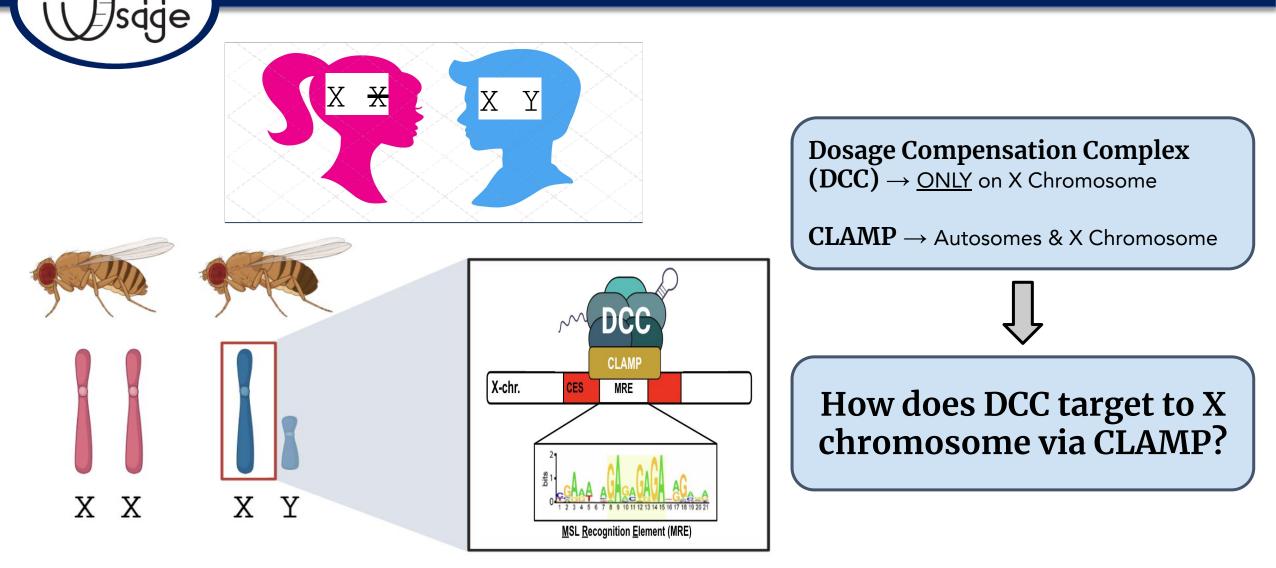
## Targeting an Active Chromatin Domain to the Drosophila X-chromosome



Undergraduate Researcher - Melissa Aldana Larschan Lab - Brown University



## **Context & Background**



Larschan et al., 2012 Soruco. M.\*. Cherv. J.\* et al. 2013

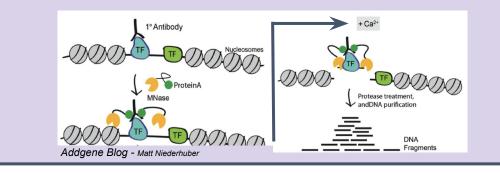


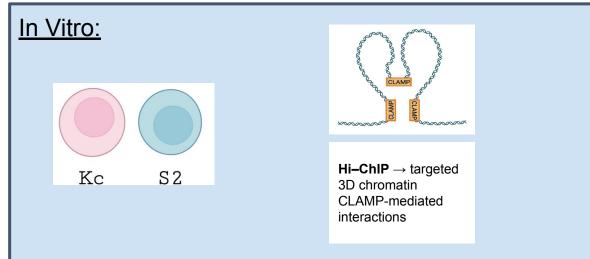
## Methods

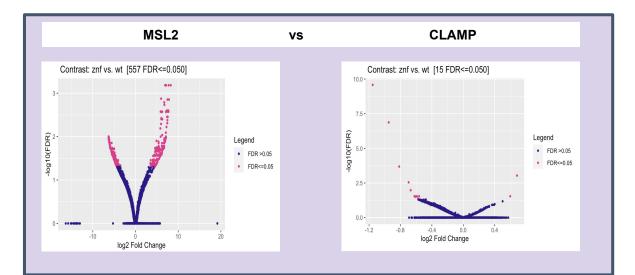
+

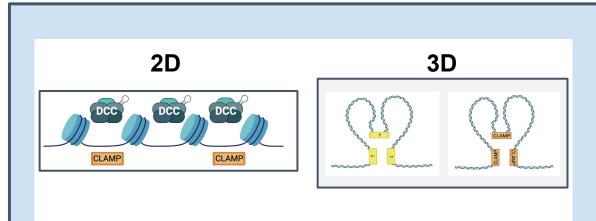
#### Results

In Vivo: **CUT & RUN**  $\rightarrow$  Transcription factor enrichment  $\rightarrow$  where CLAMP and MSL2 are binding









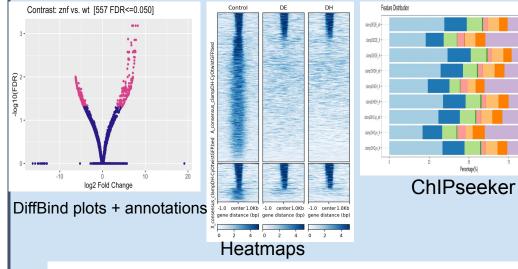


#### Conclusion

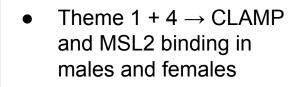
#### Significance

#### Learning Outcomes

- Computational Analysis



- Wet Lab skills
  - RNAi synthesis
  - Cell culture (harvesting, expanding, and maintaining)
  - Hi-ChIP



• Larval stage vs embryonic cells

Promoter (1-3/b)

Promoter (2-3kb)

Other Econ

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Other Intran

Downsteam (<<3

#### Acknowledgements:



Dr. Erica Larschan Joseph Aguilera Larschan Laboratory Brown Genomics Core Facility Brown MCB Brown University My family ♡

Research

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