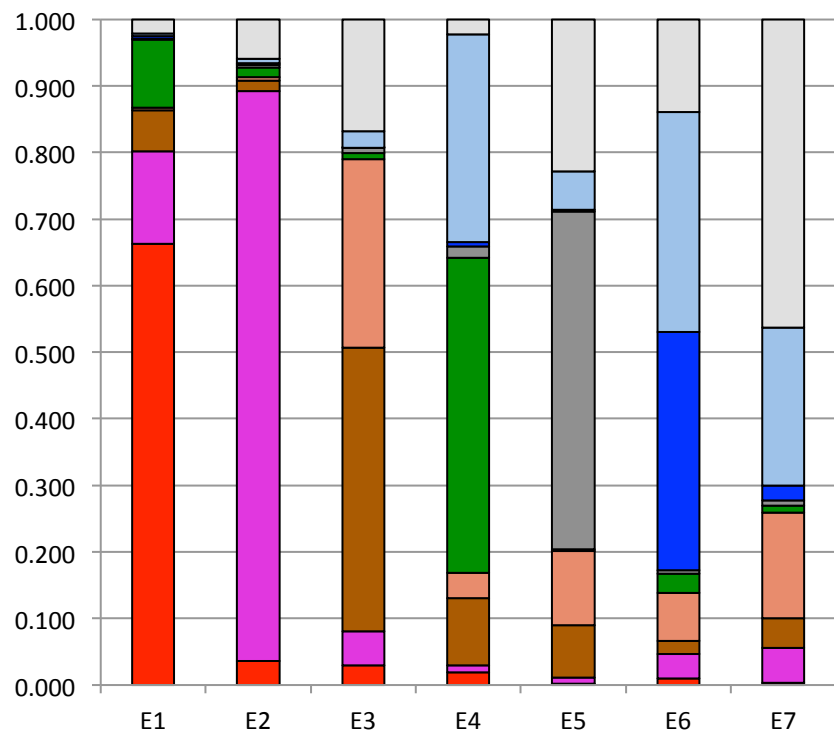
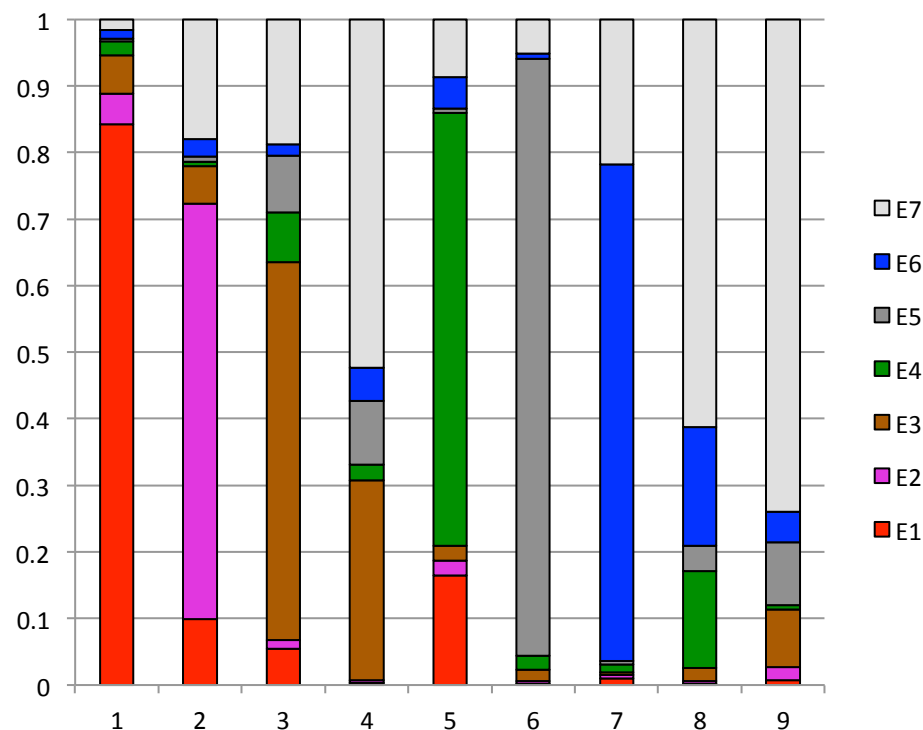
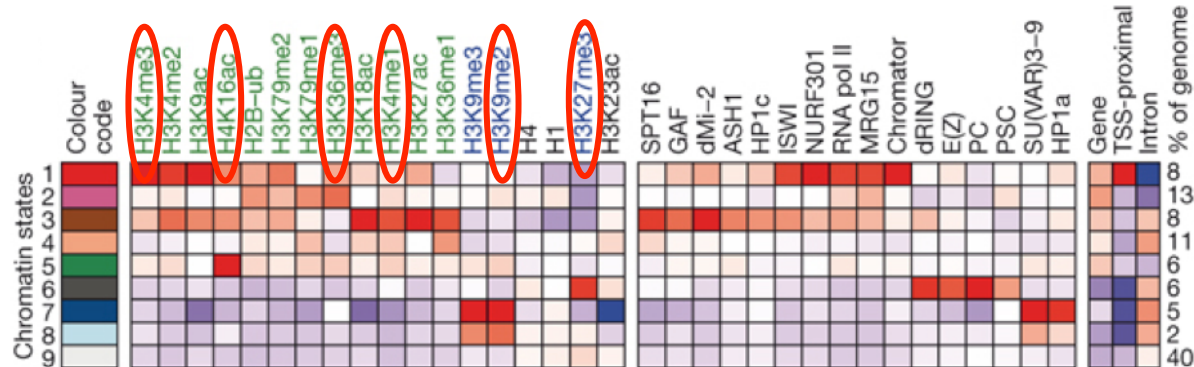
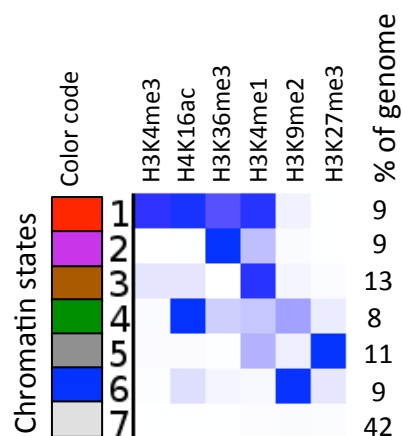


A.

7 state model by 9 state model

**B.**

9 state model by 7 state model

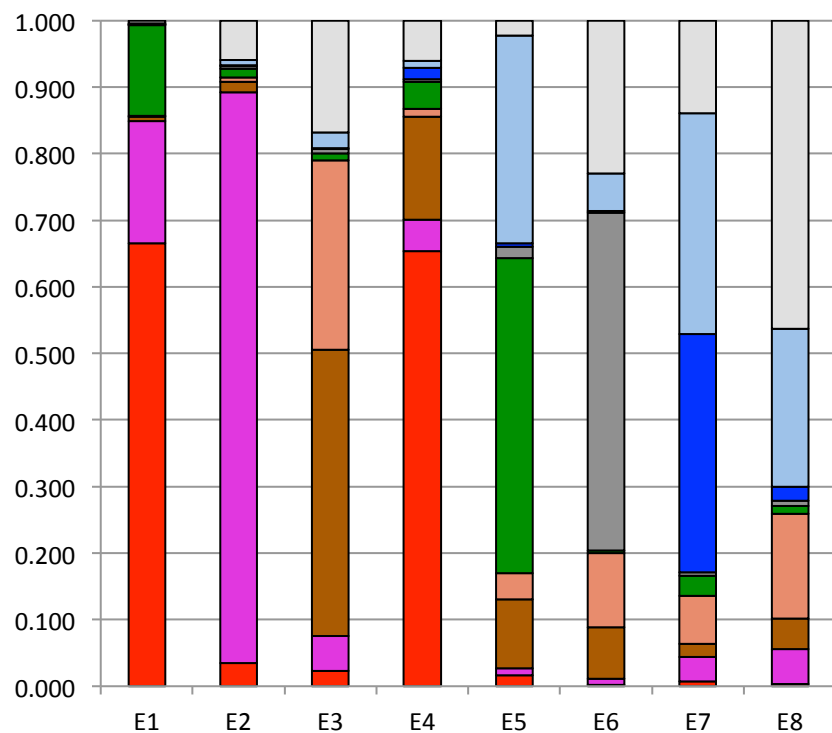
**C.**

From Kharchenko et al. 2011

Figure S1

A.

8 state model by 9 state model

**B.**

9 state model by 8 state model

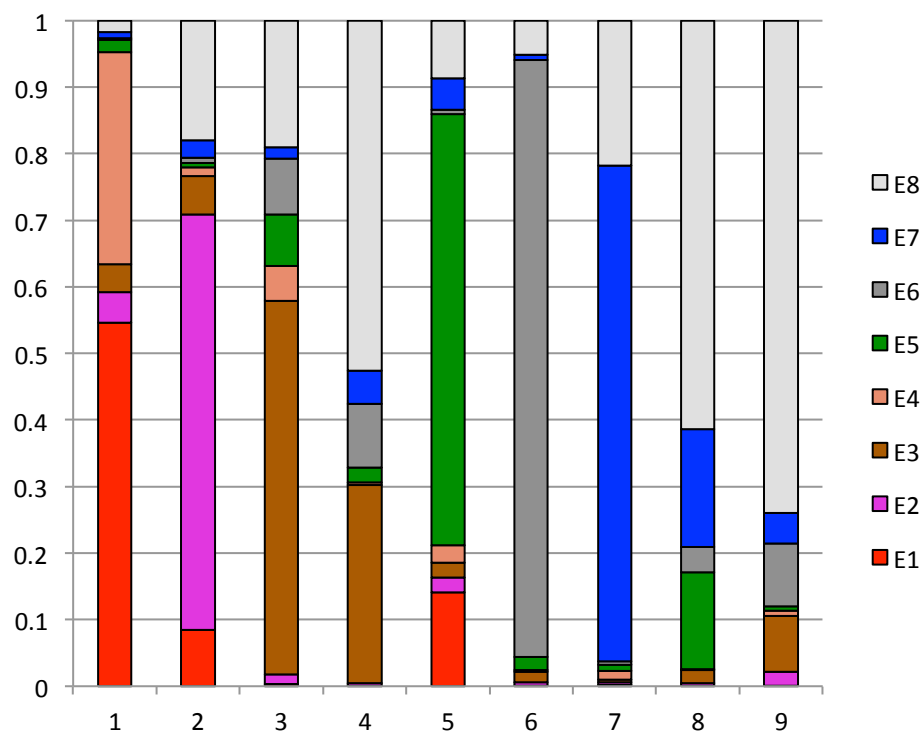
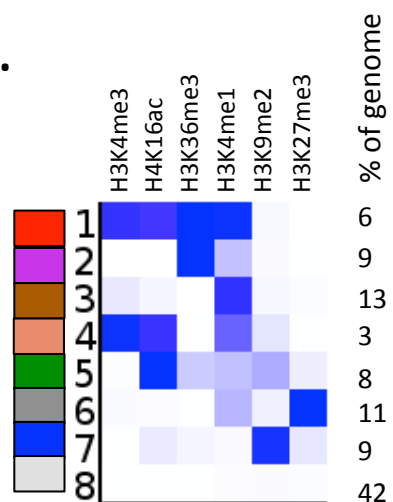
**C.**

Figure S2

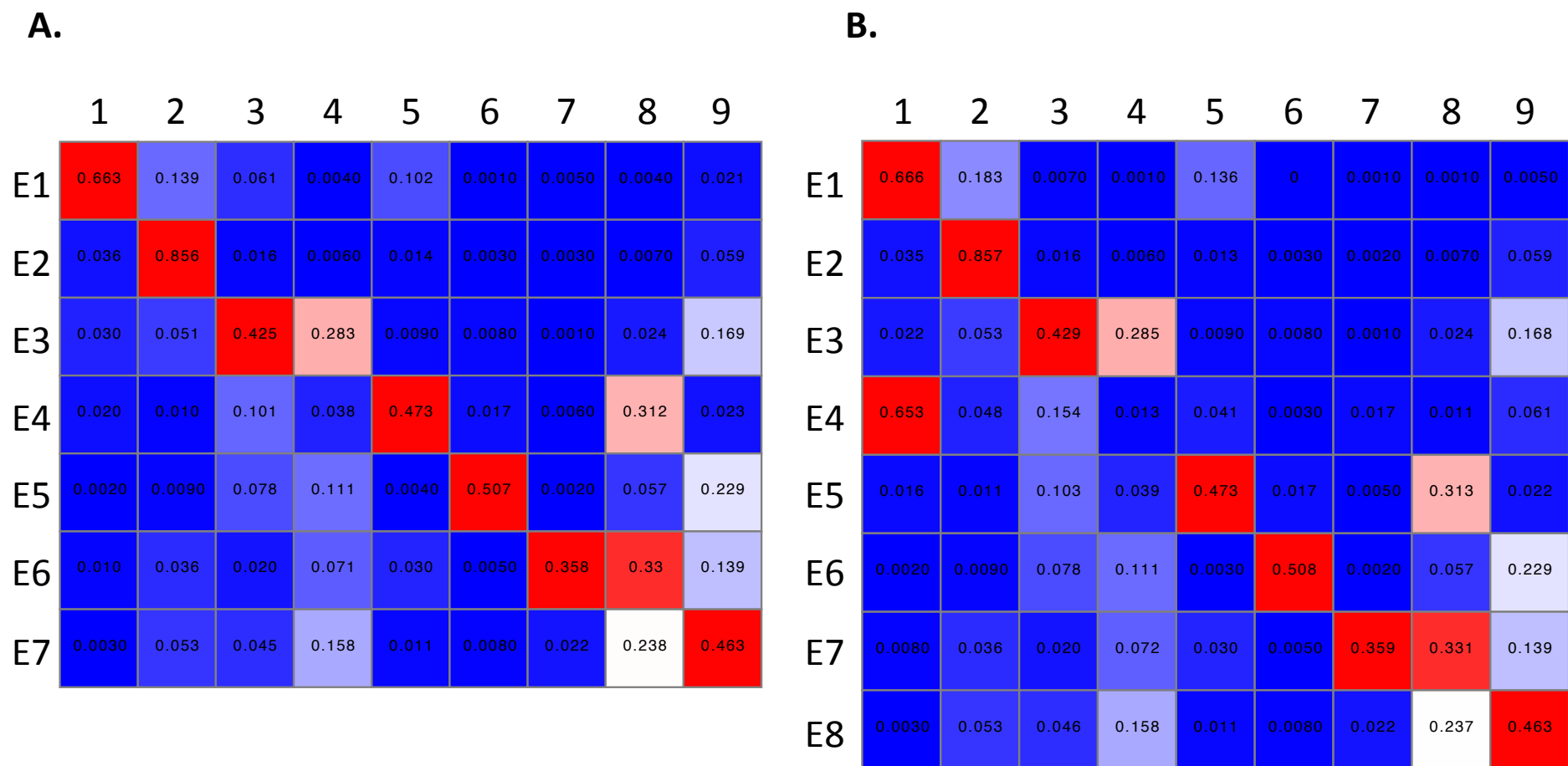


Figure S3

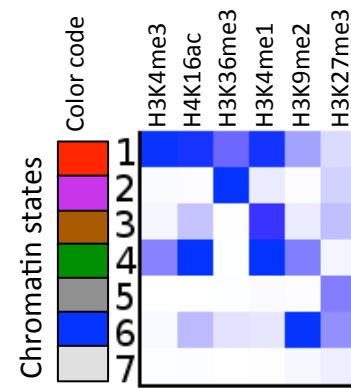


Figure S4

Normalization procedure

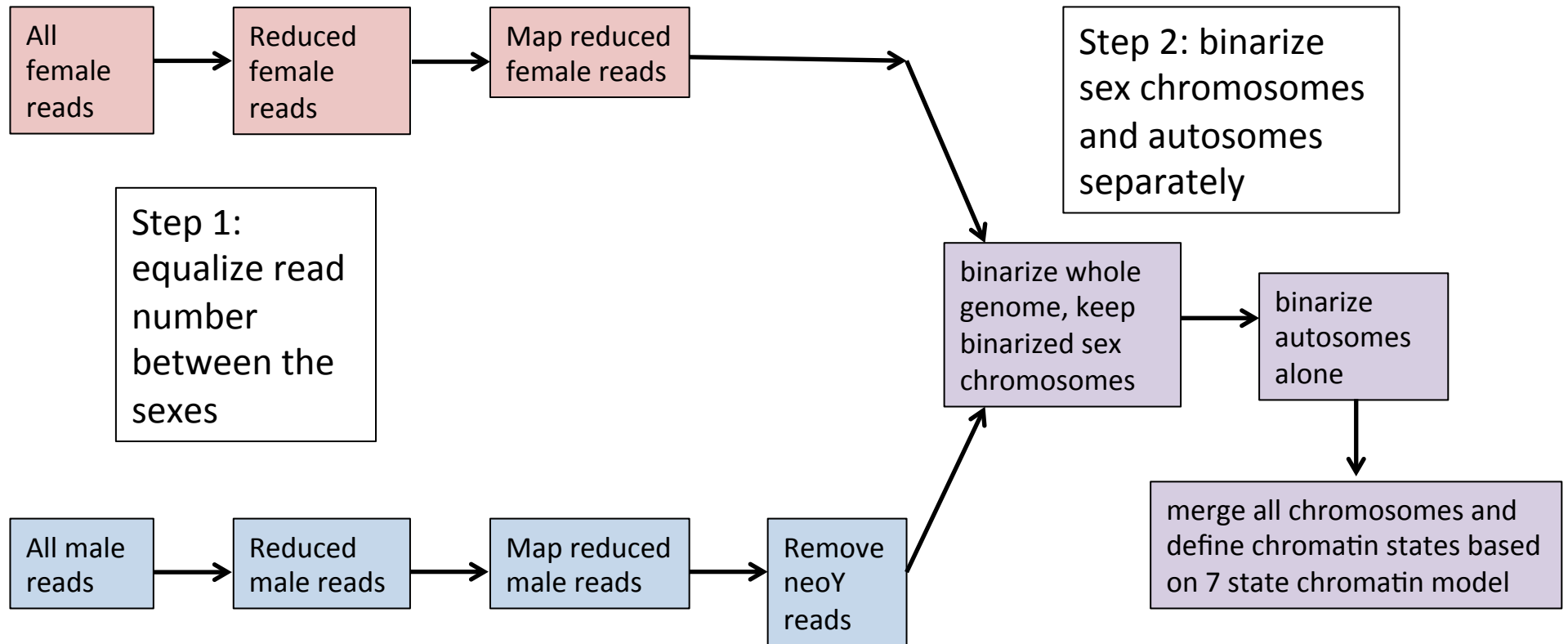


Figure S5

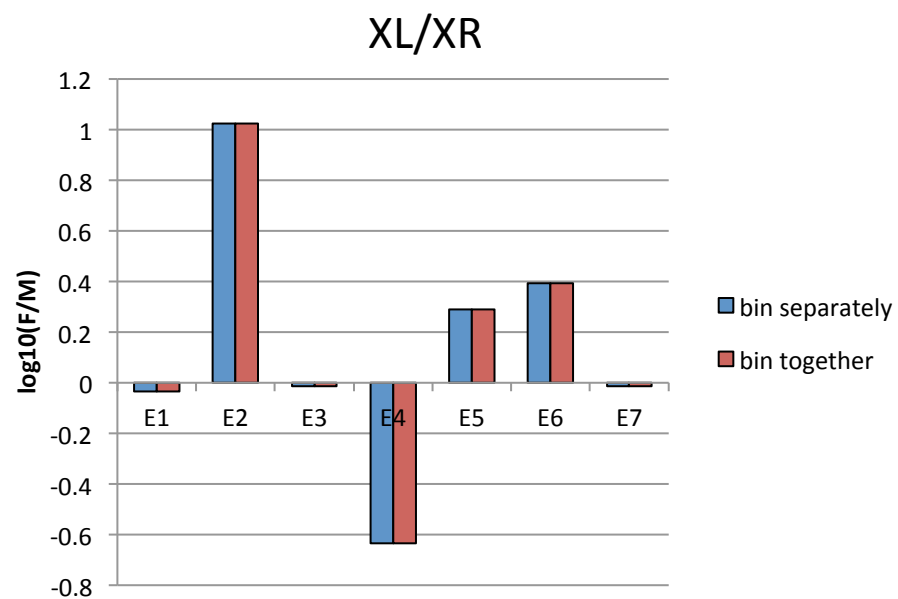
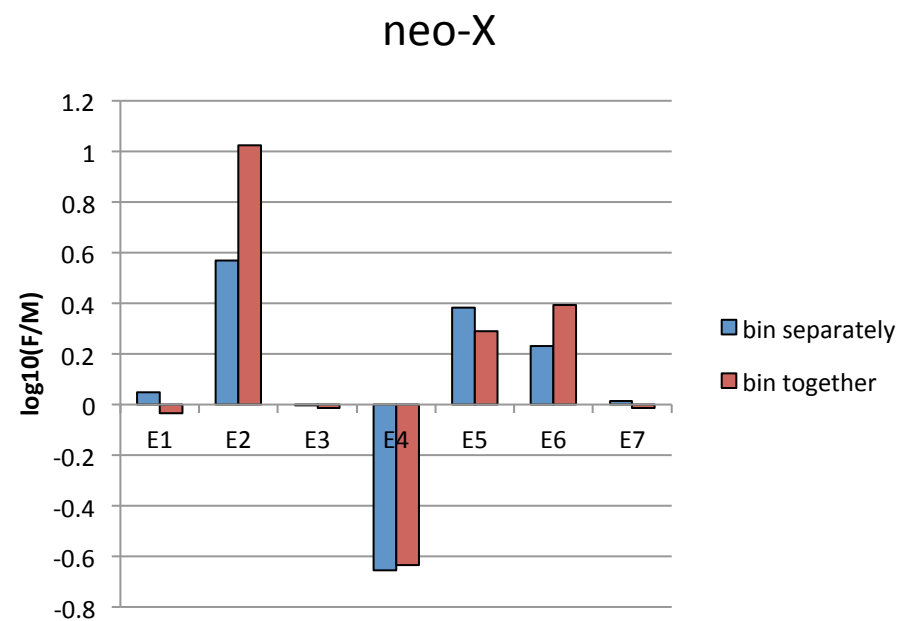
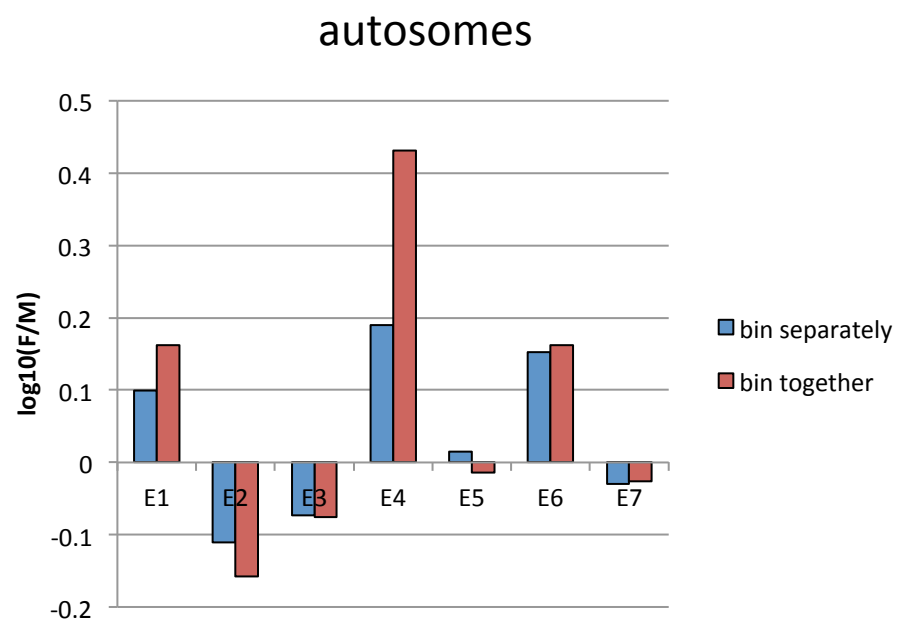


Figure S6

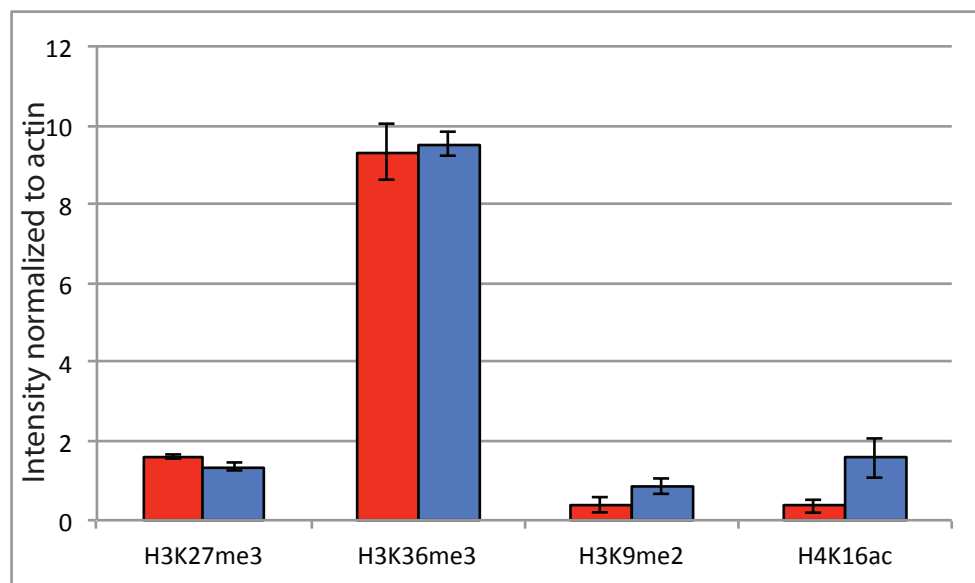
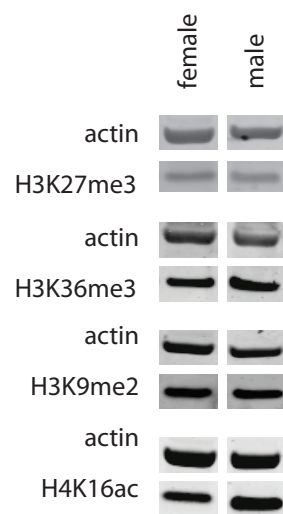


Figure S7

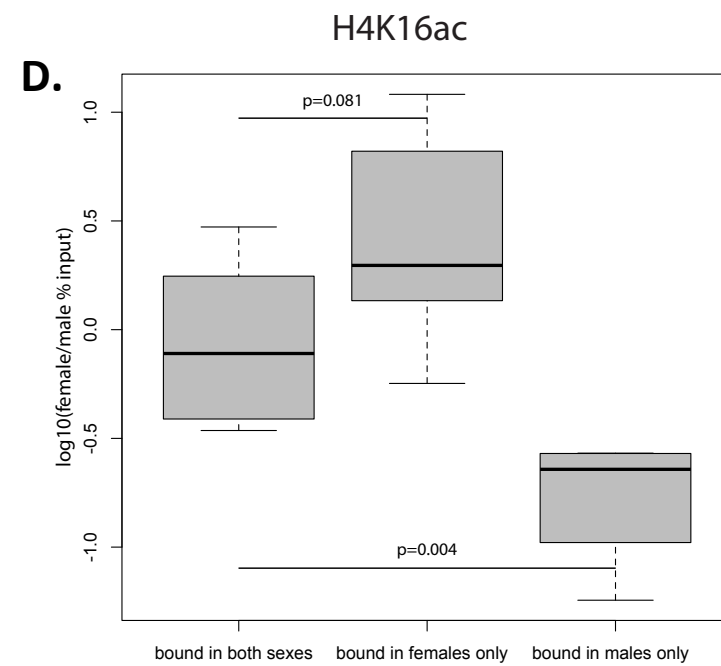
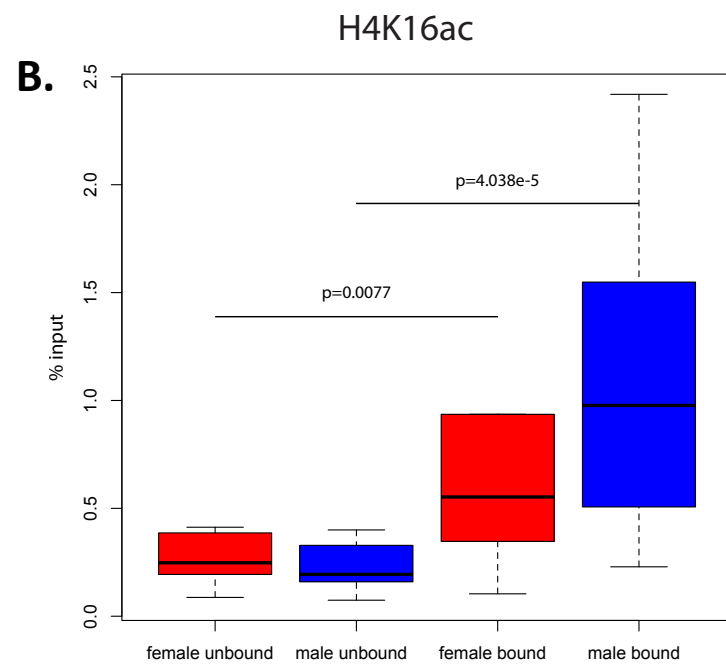
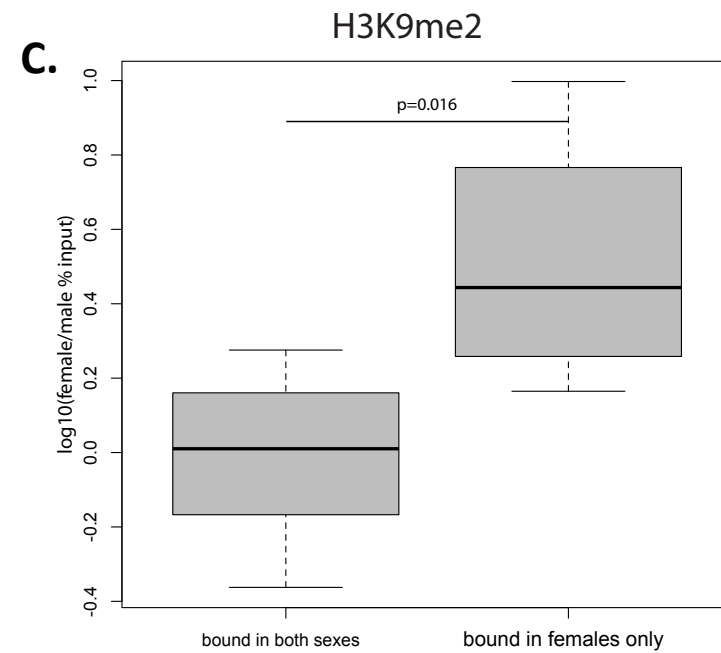
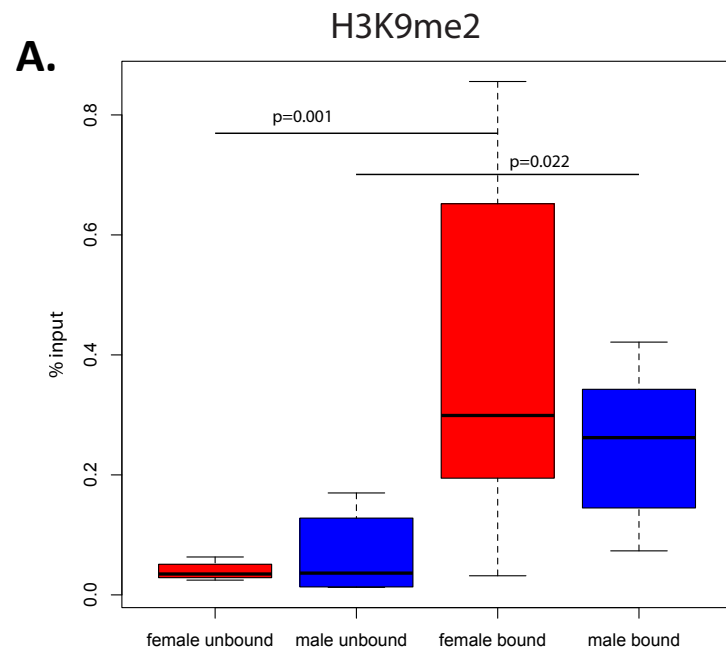


Figure S8

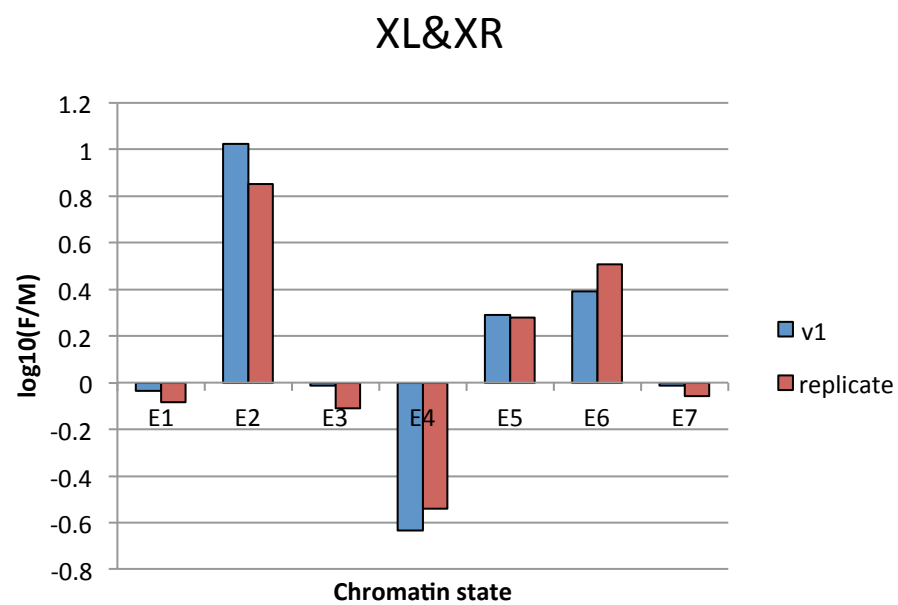
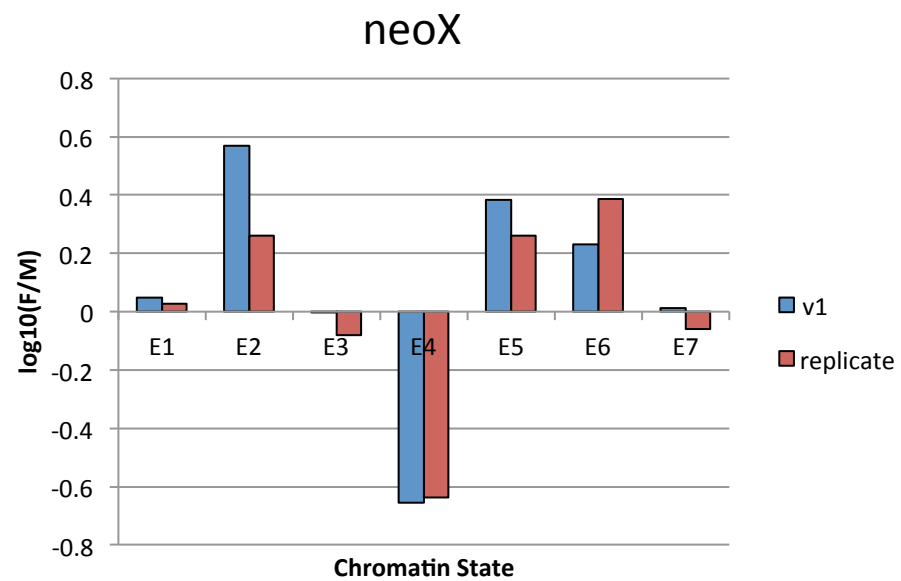
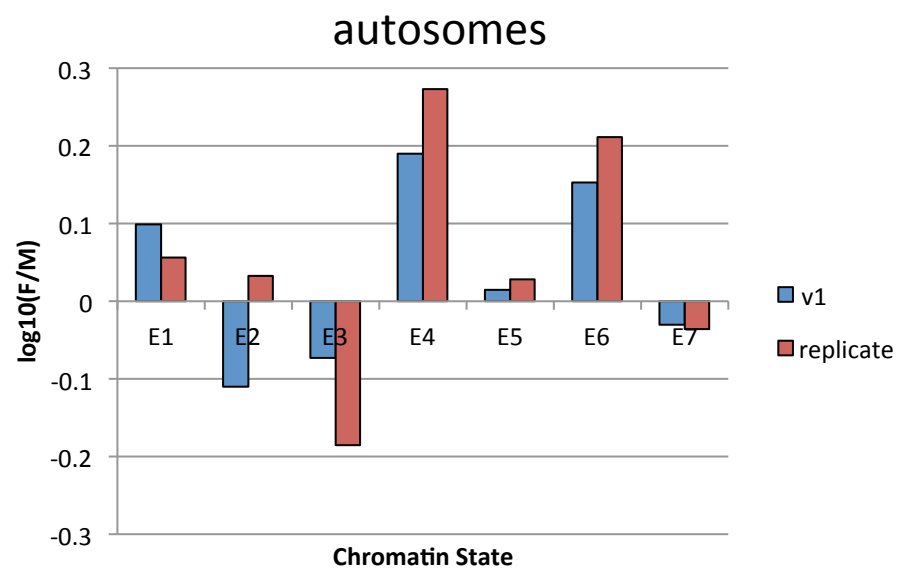


Figure S9

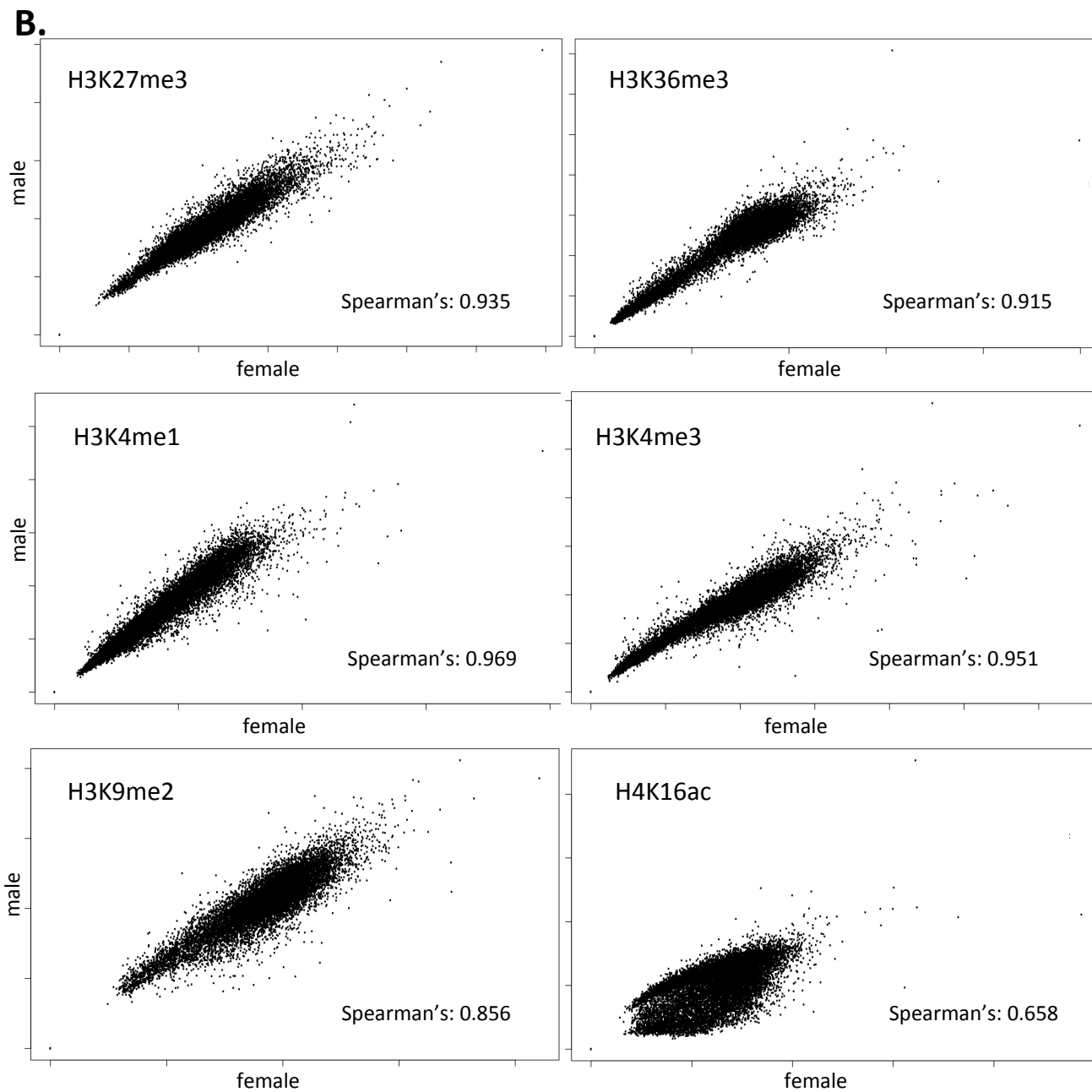
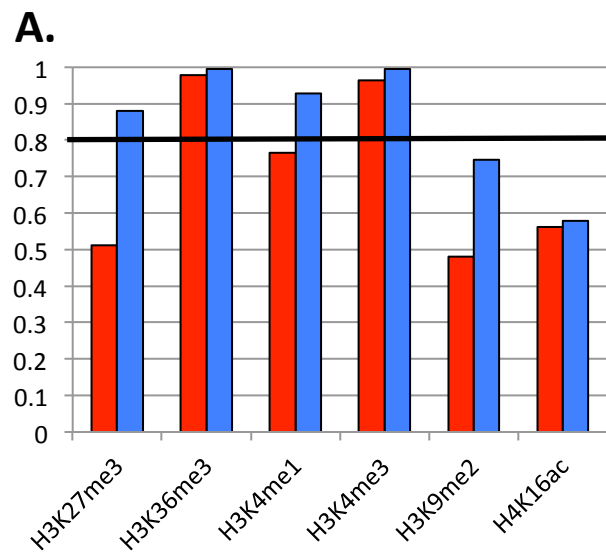


Figure S10

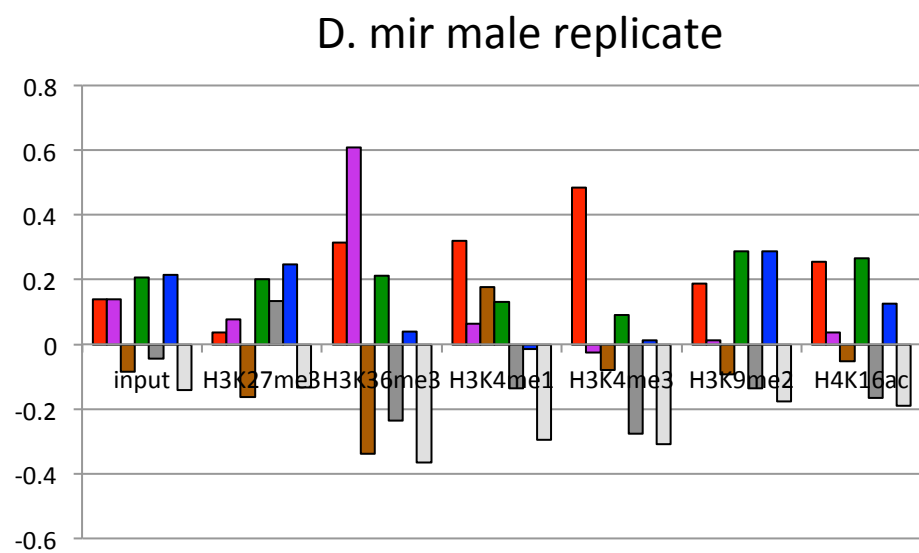
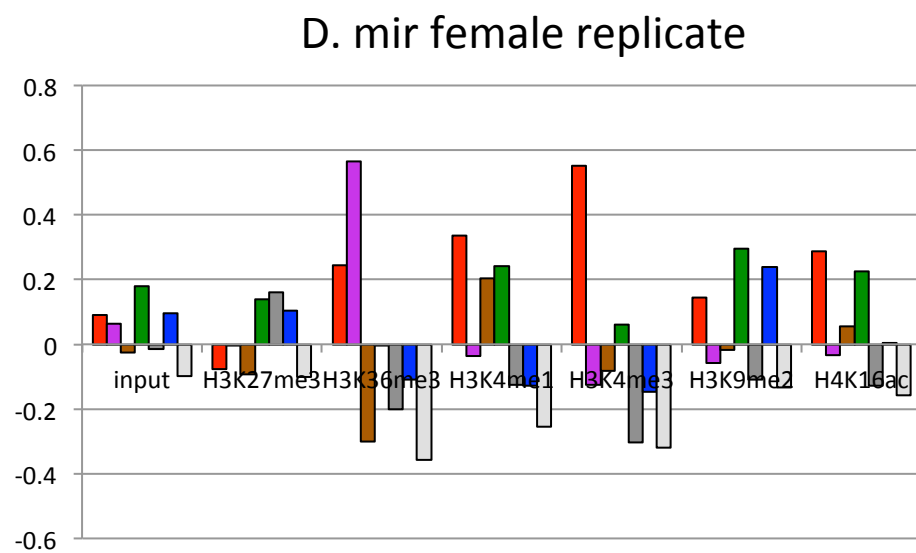
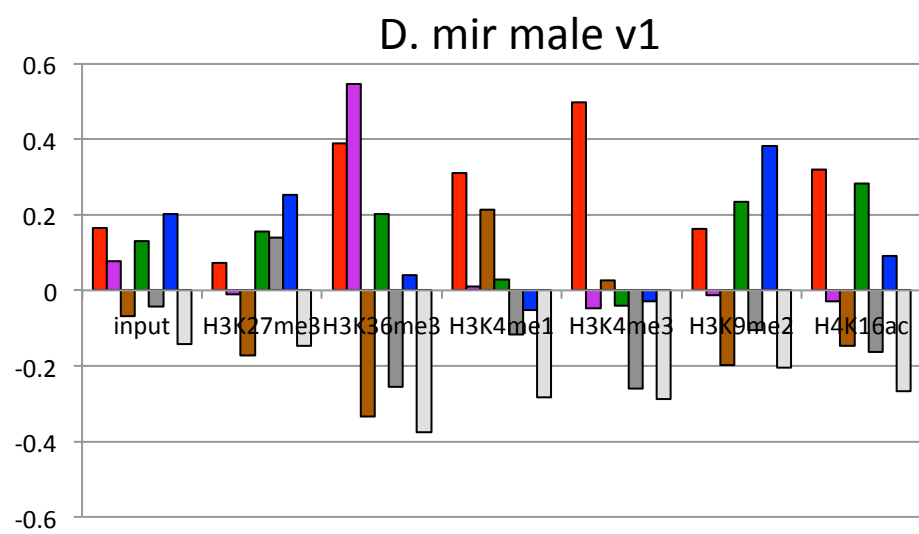
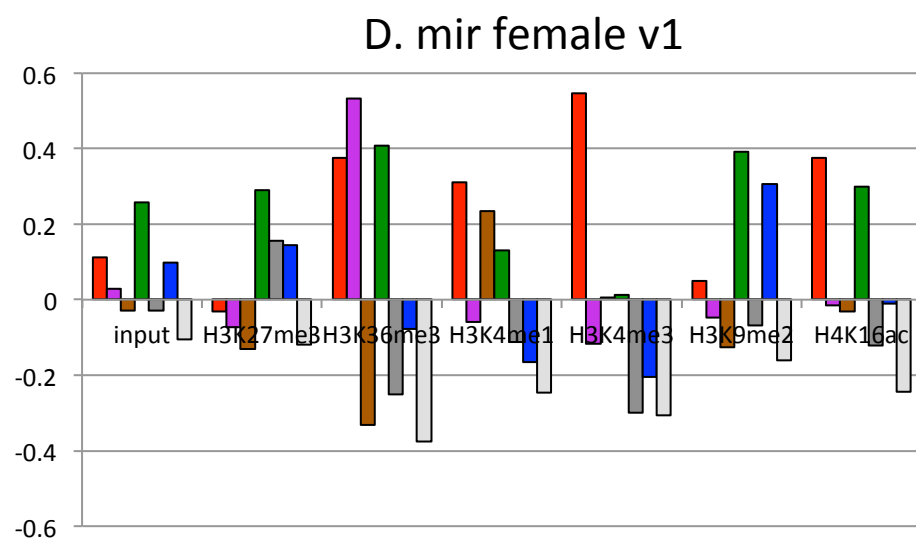


Figure S11

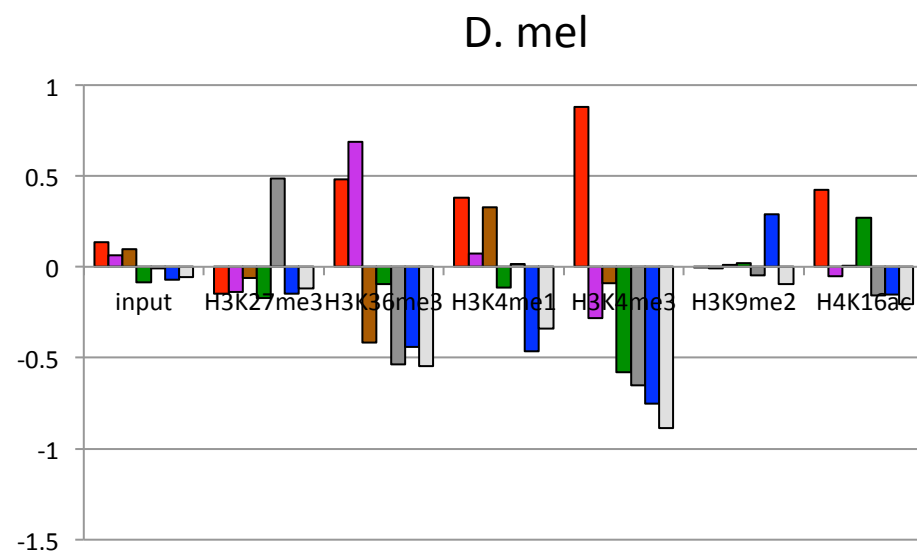


Figure S12

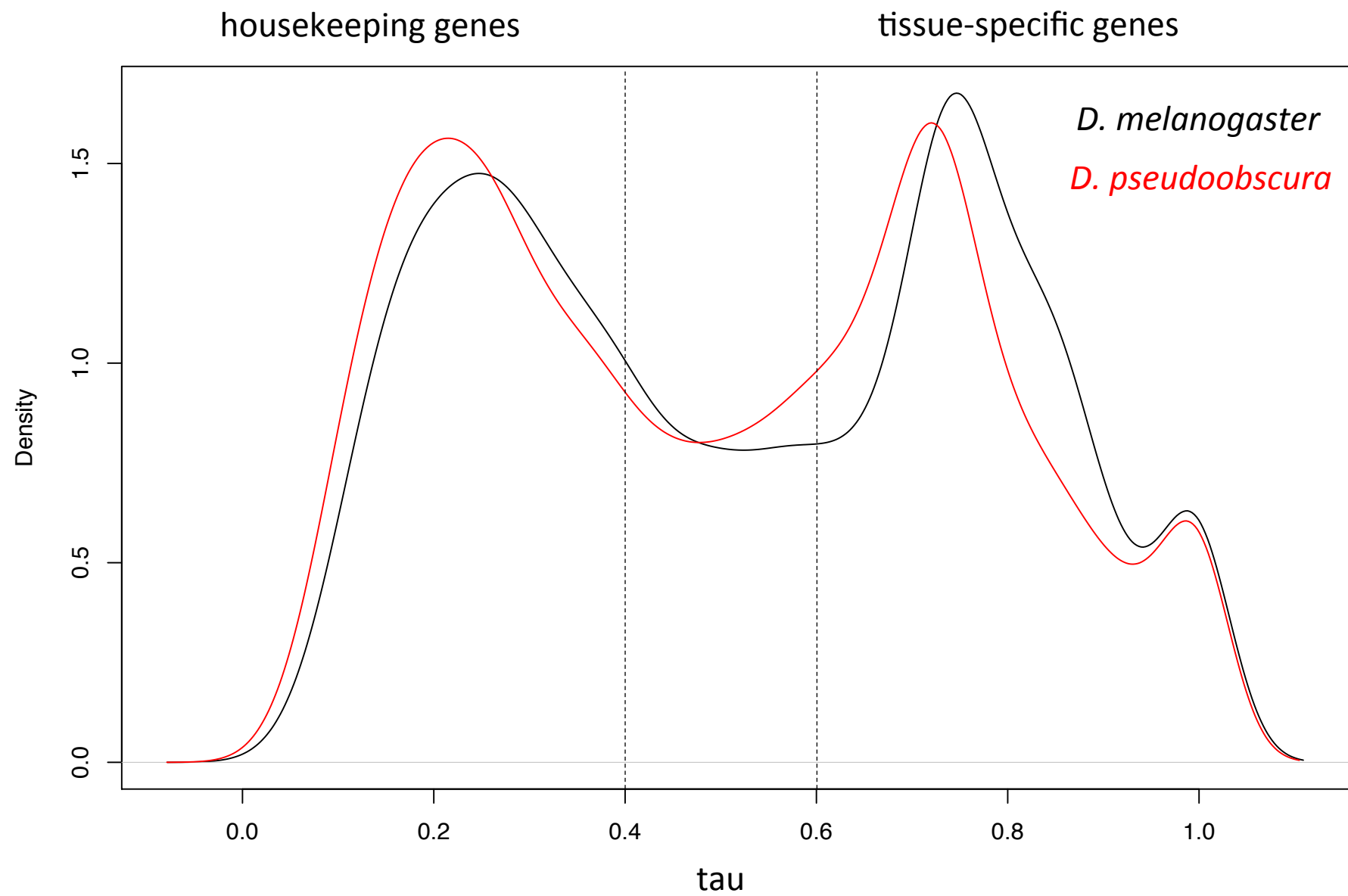


Figure S13

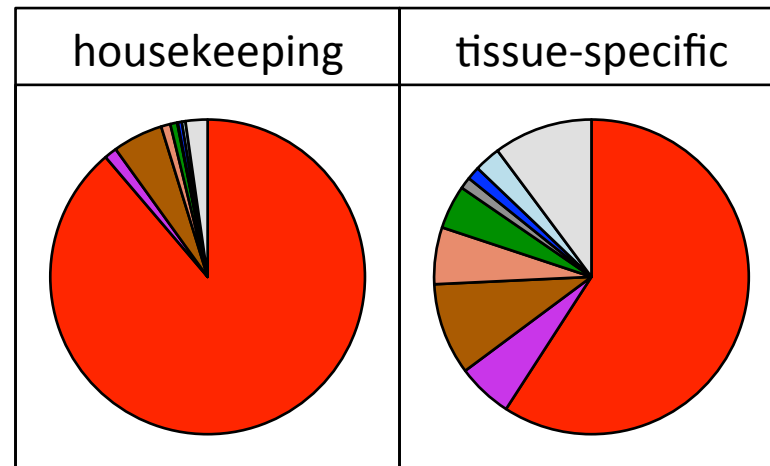


Figure S14

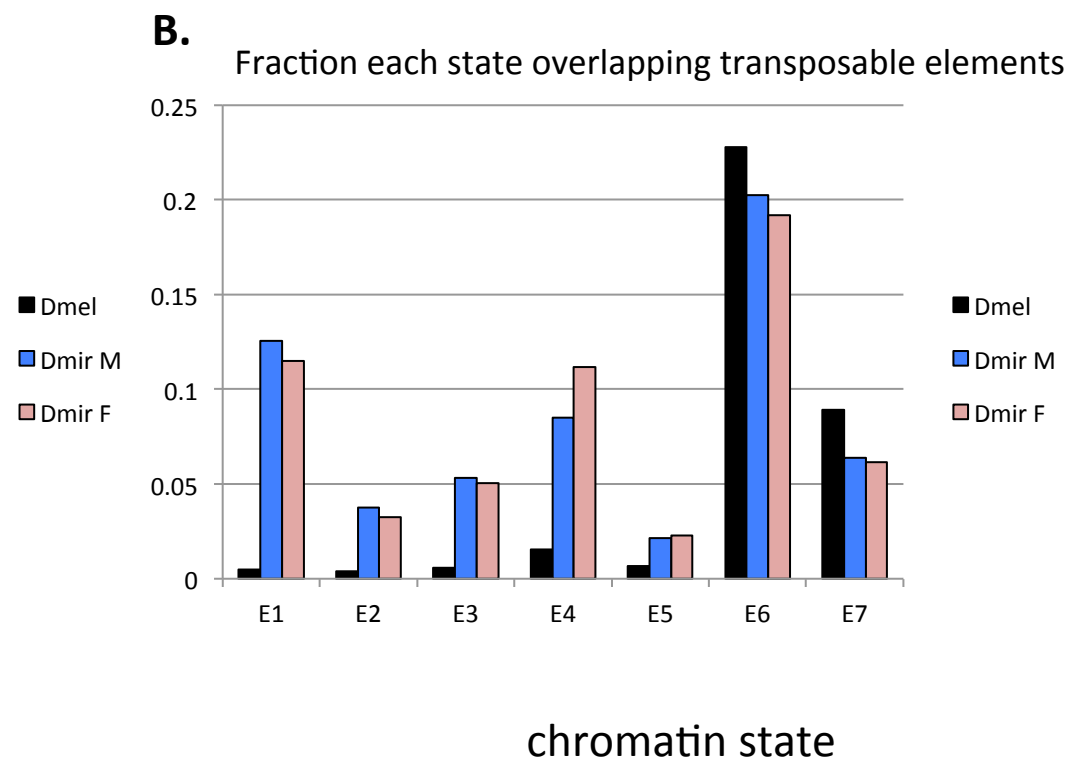
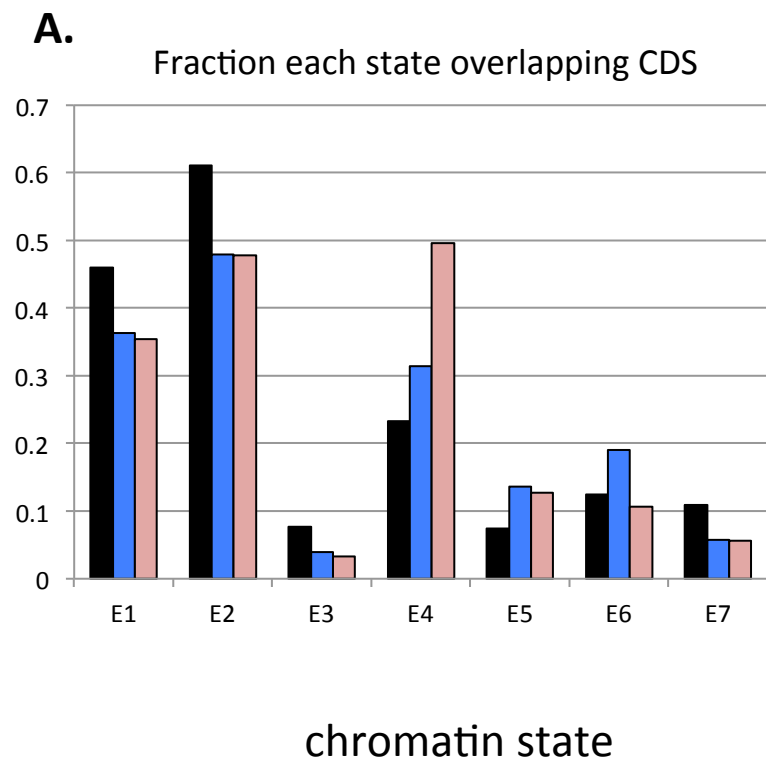


Figure S15

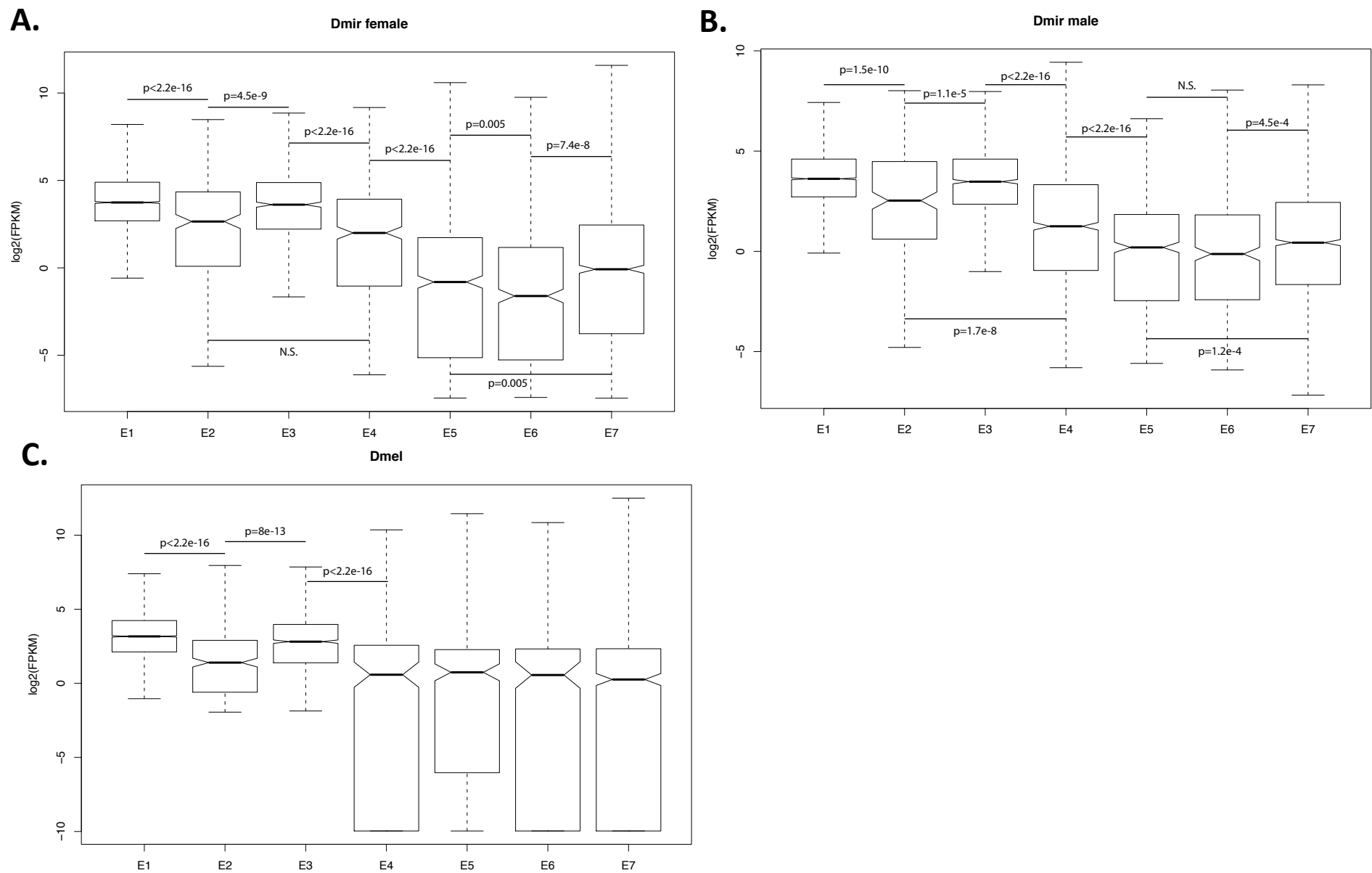


Figure S16

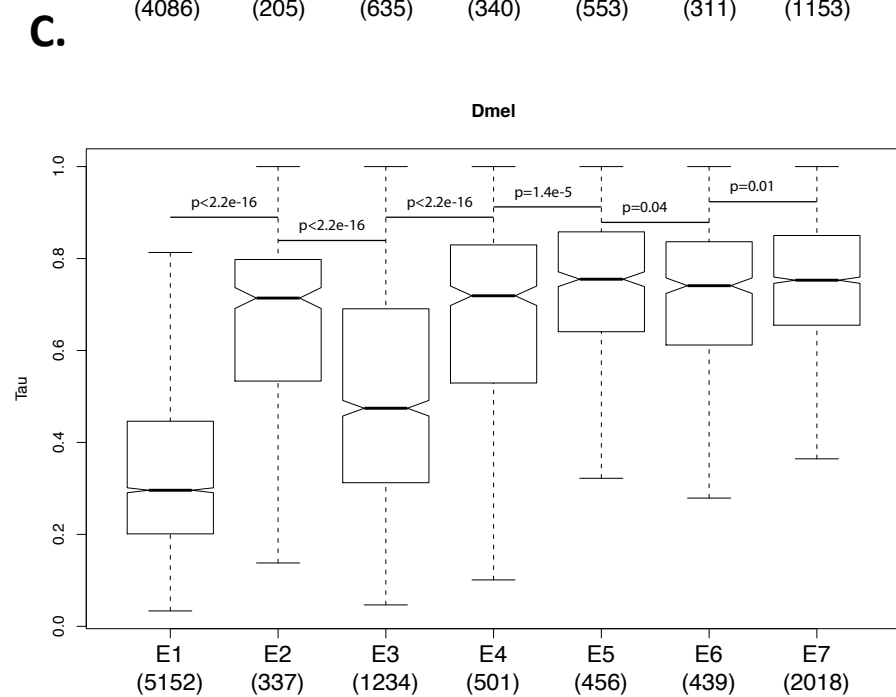
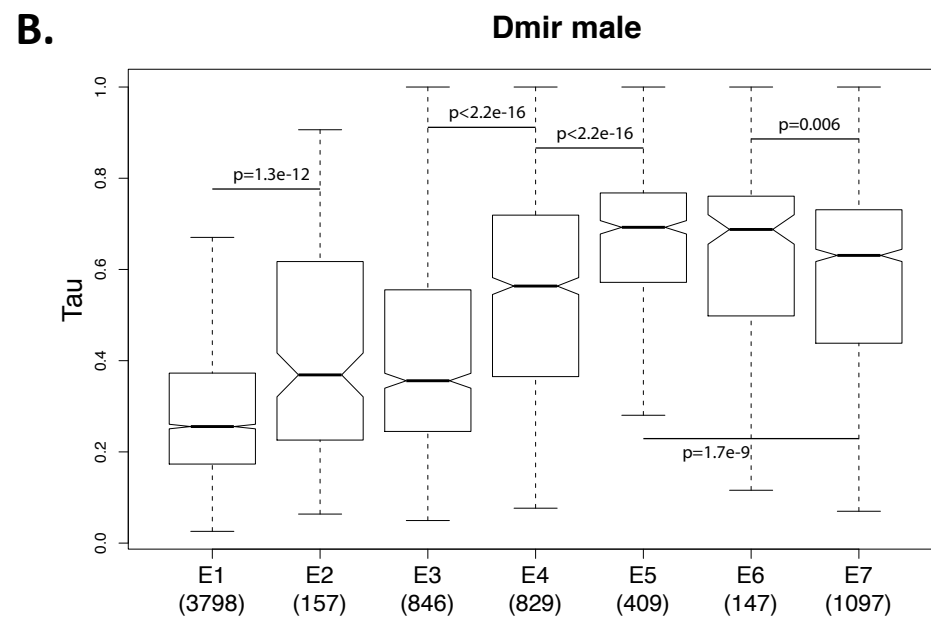
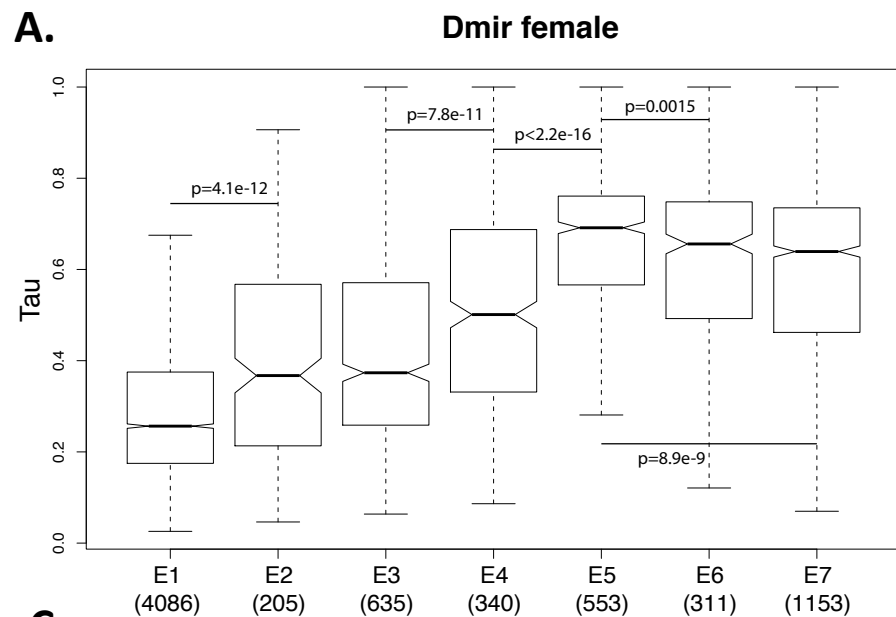
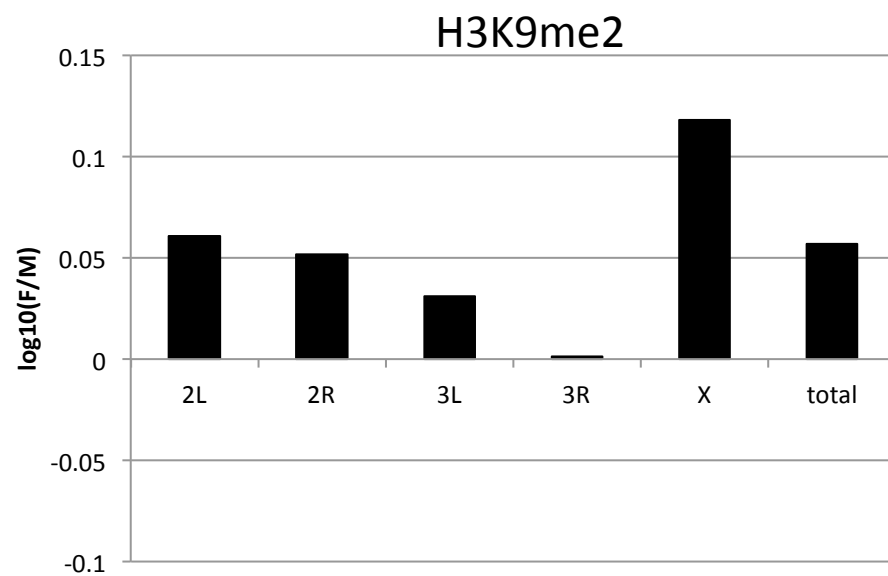
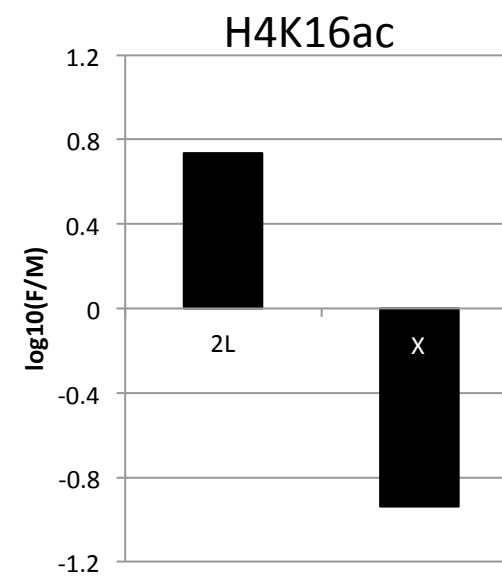
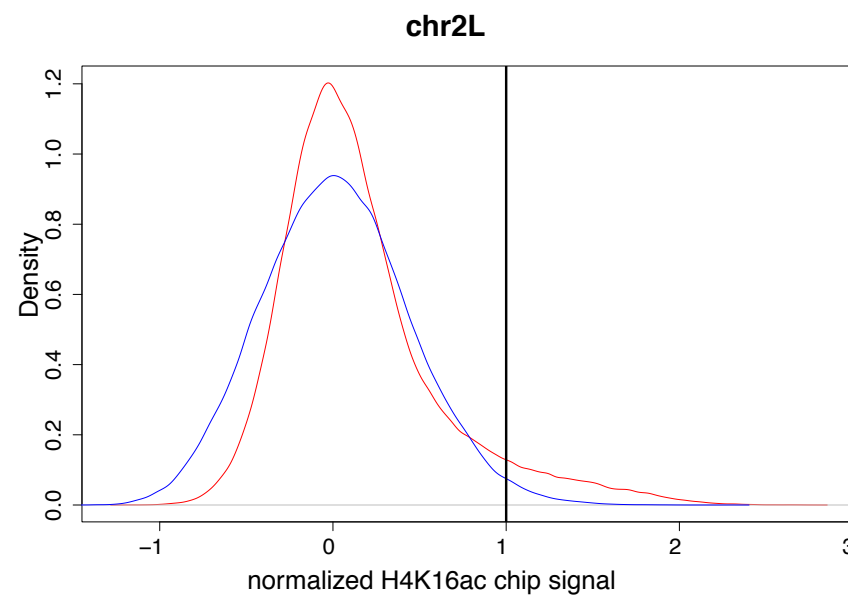
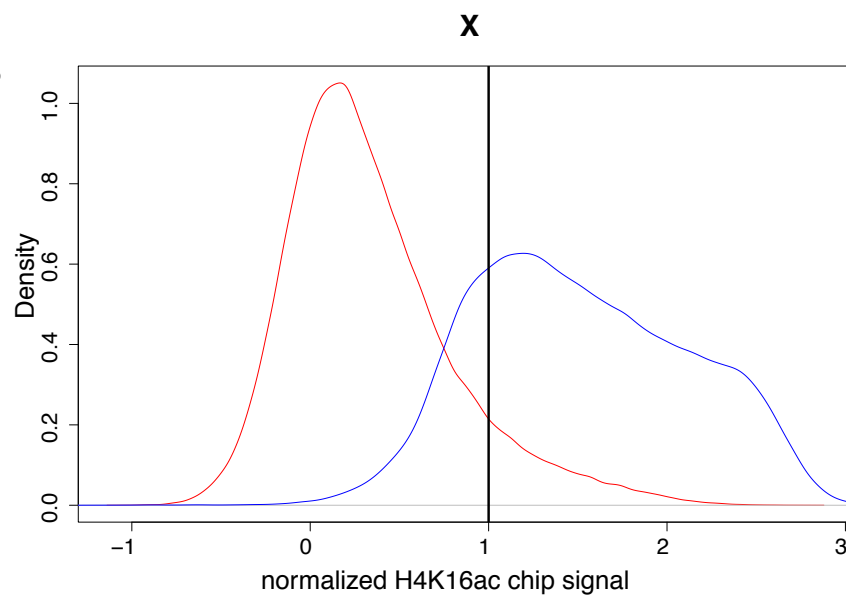


Figure S17

A.**B.****C.****Figure S18**

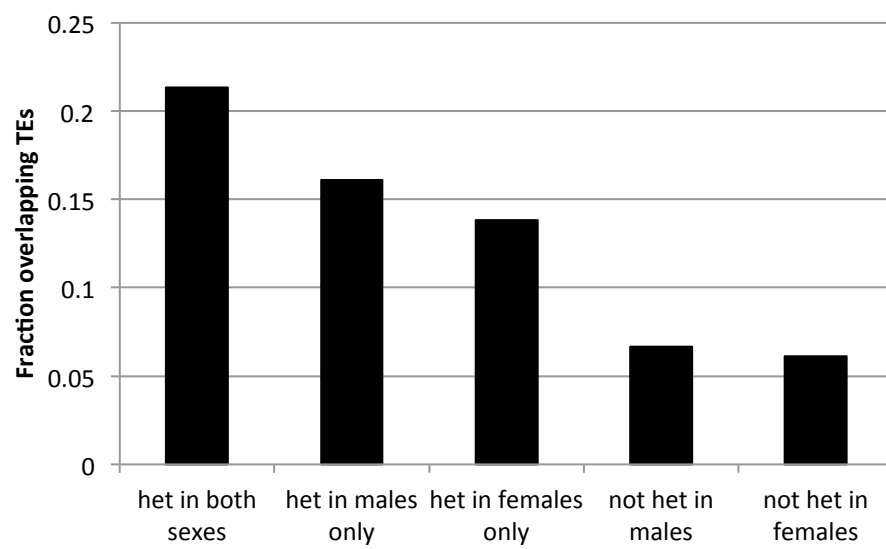
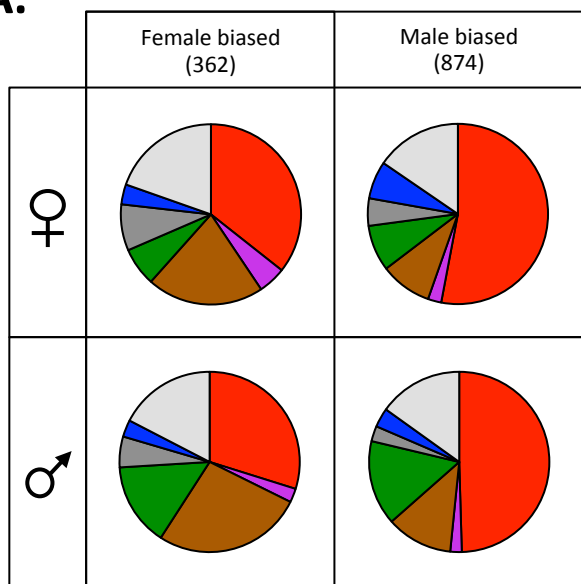


Figure S19

A.



B.

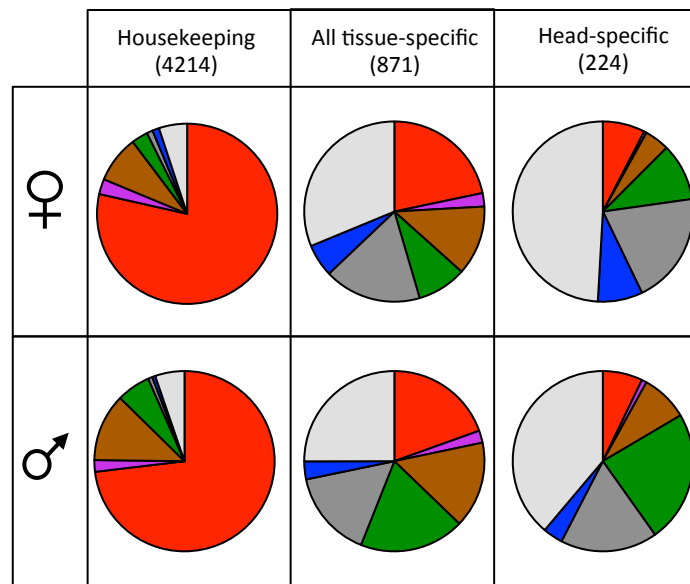


Figure S20

Dmir

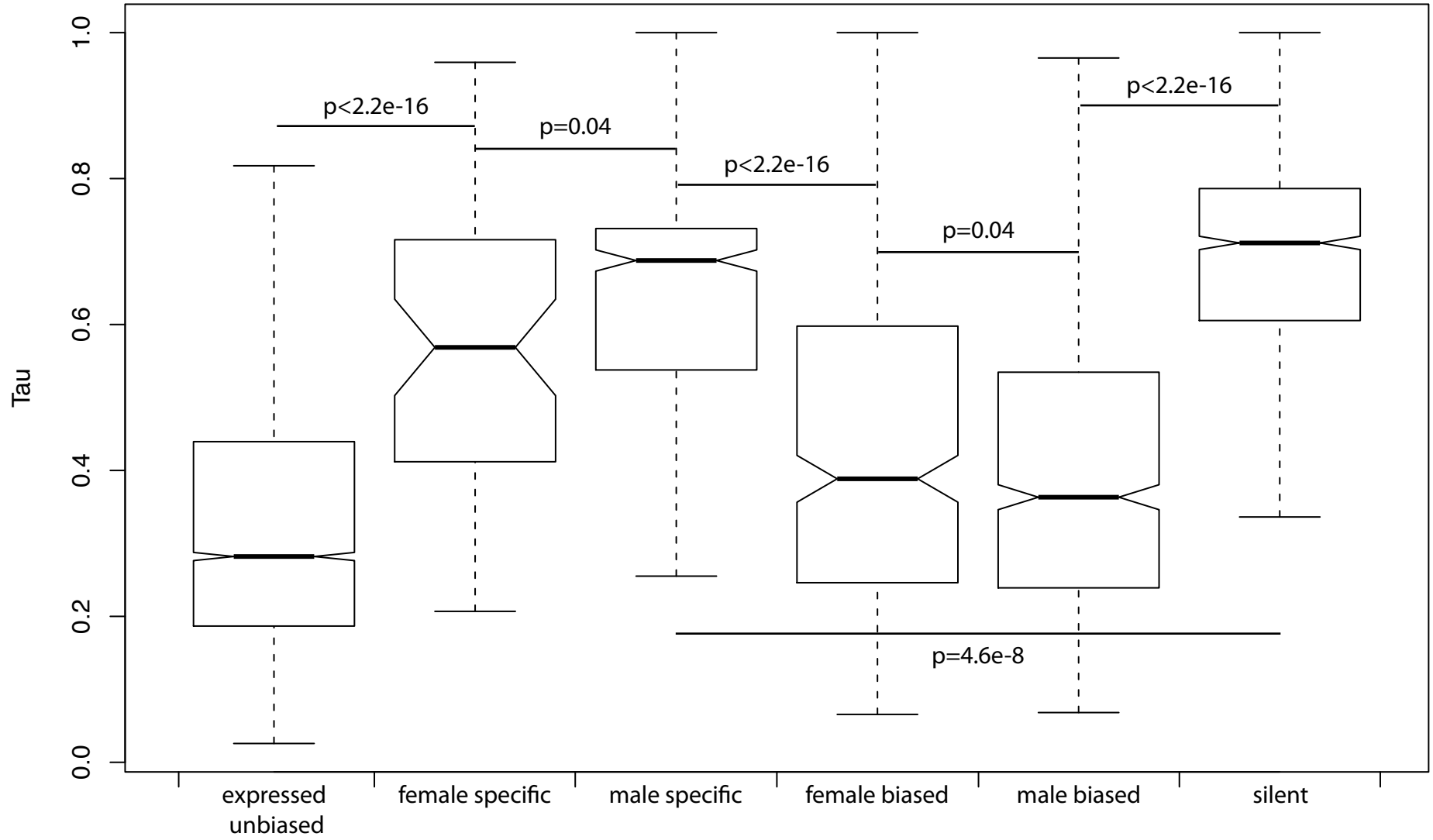
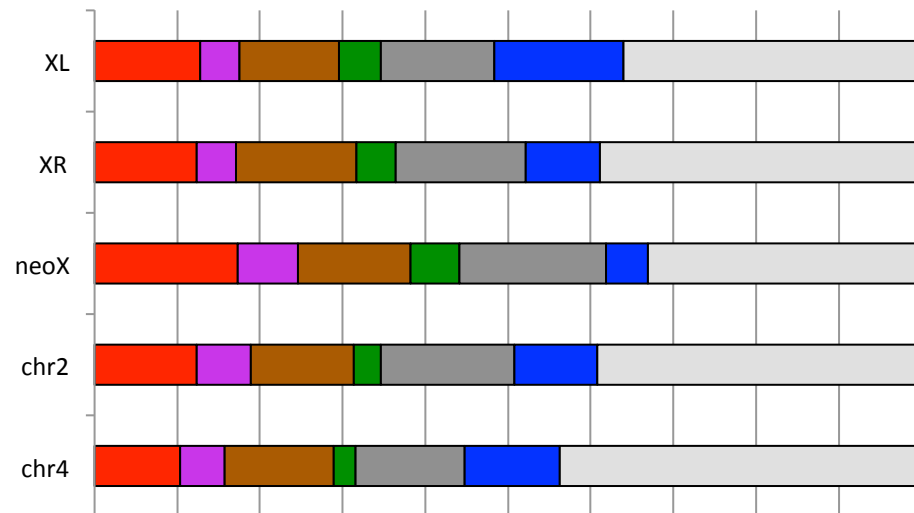
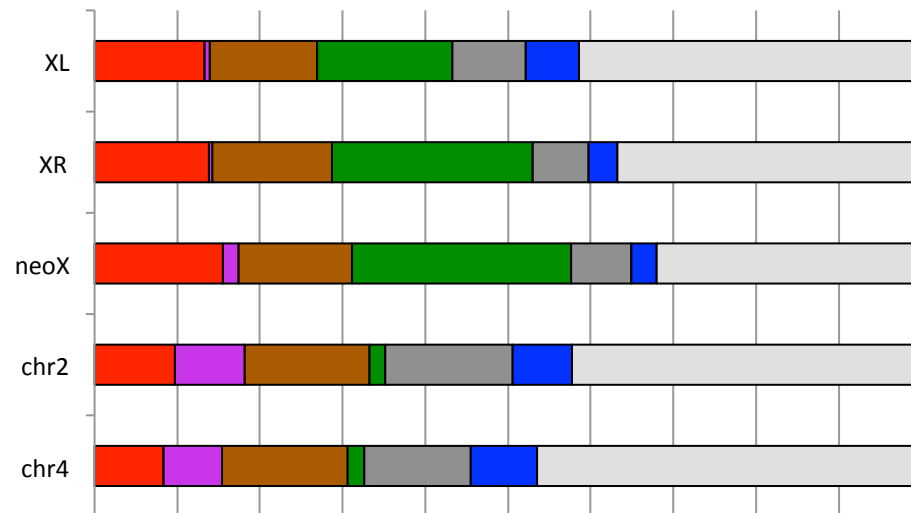


Figure S21

A. *D. miranda* female



B. *D. miranda* male



C. *D. melanogaster*

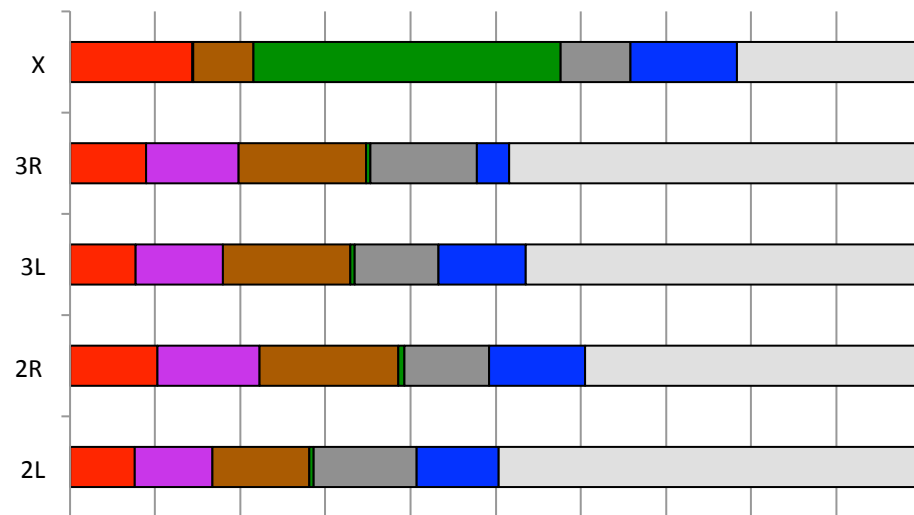


Figure S22

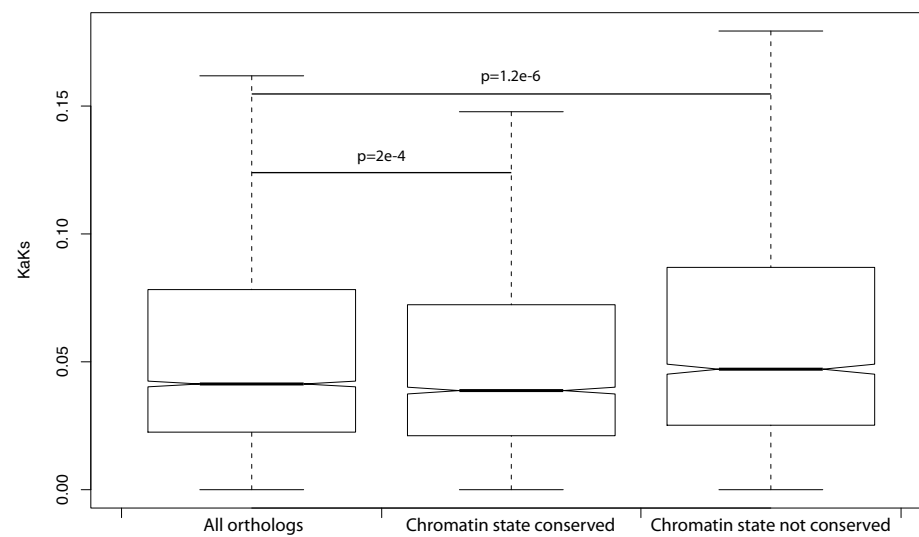
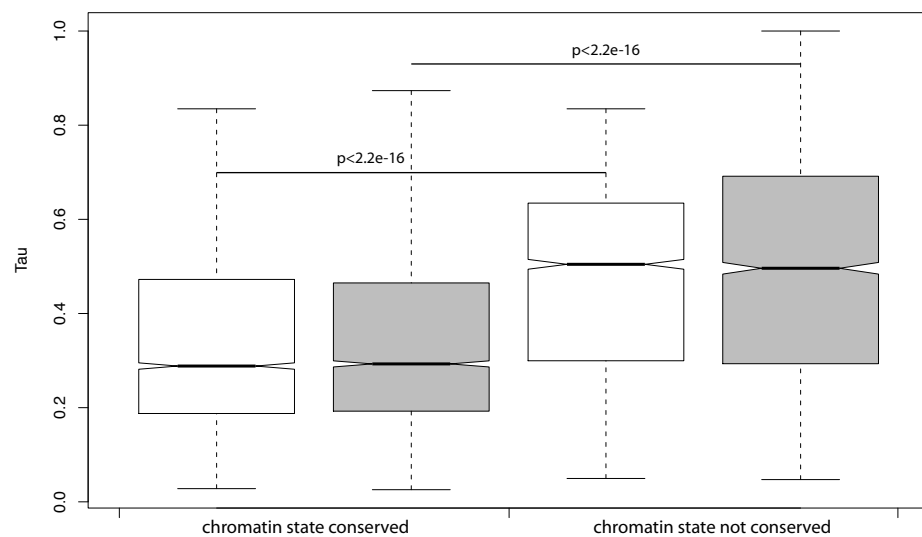
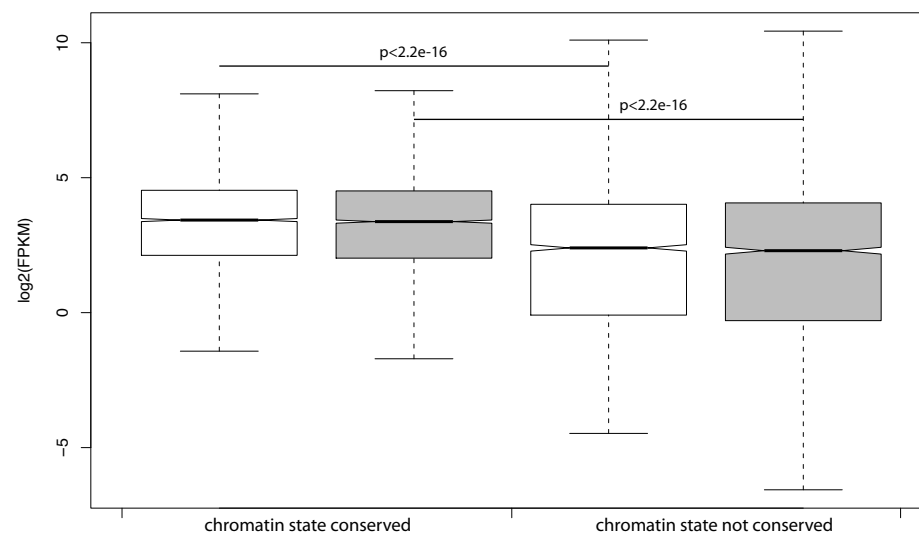
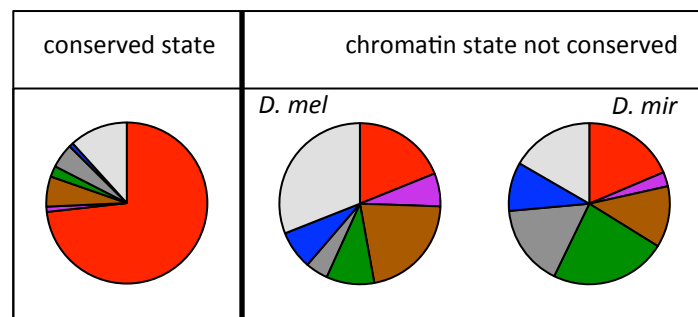


Figure S23

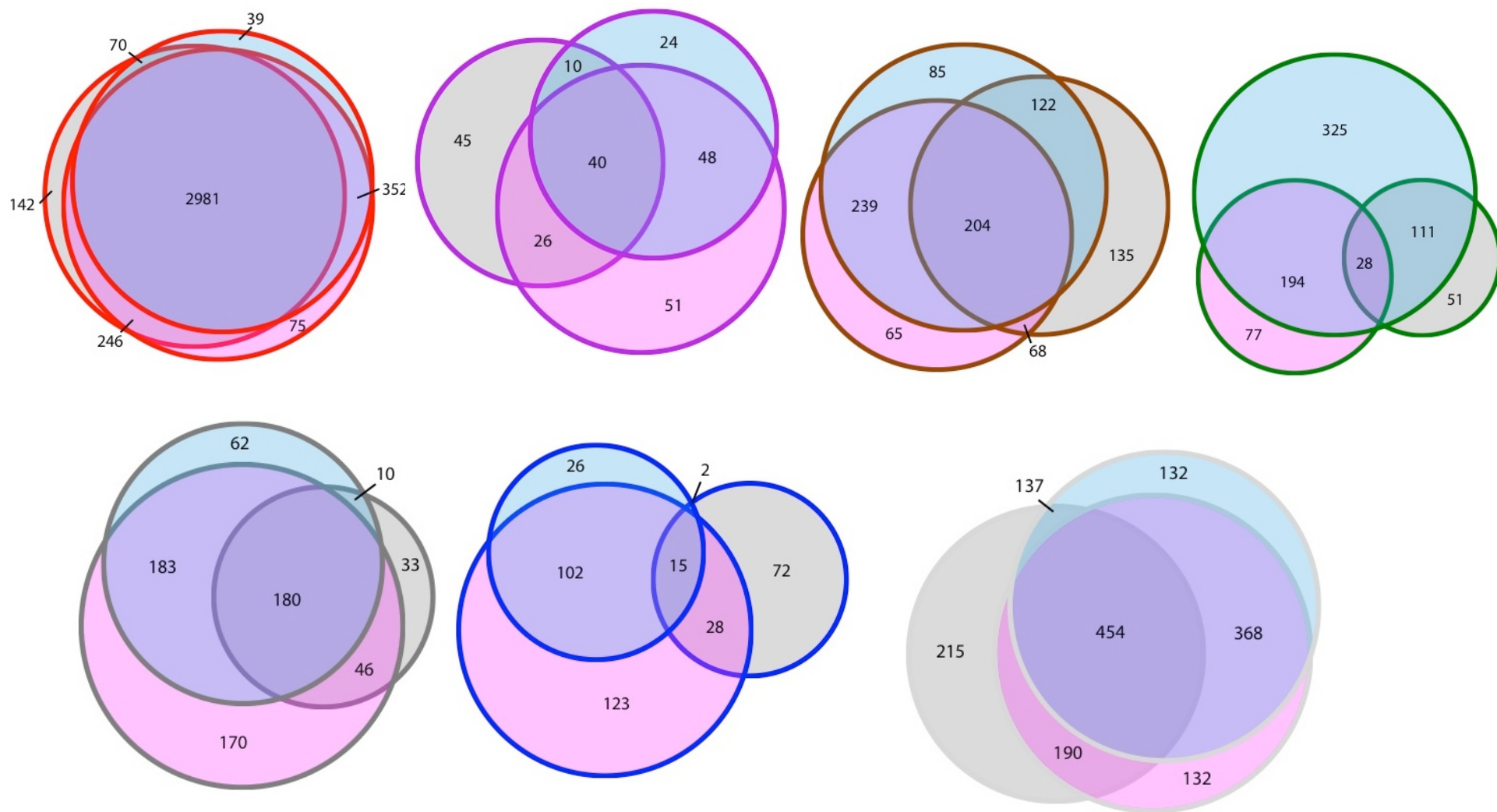


Figure S24

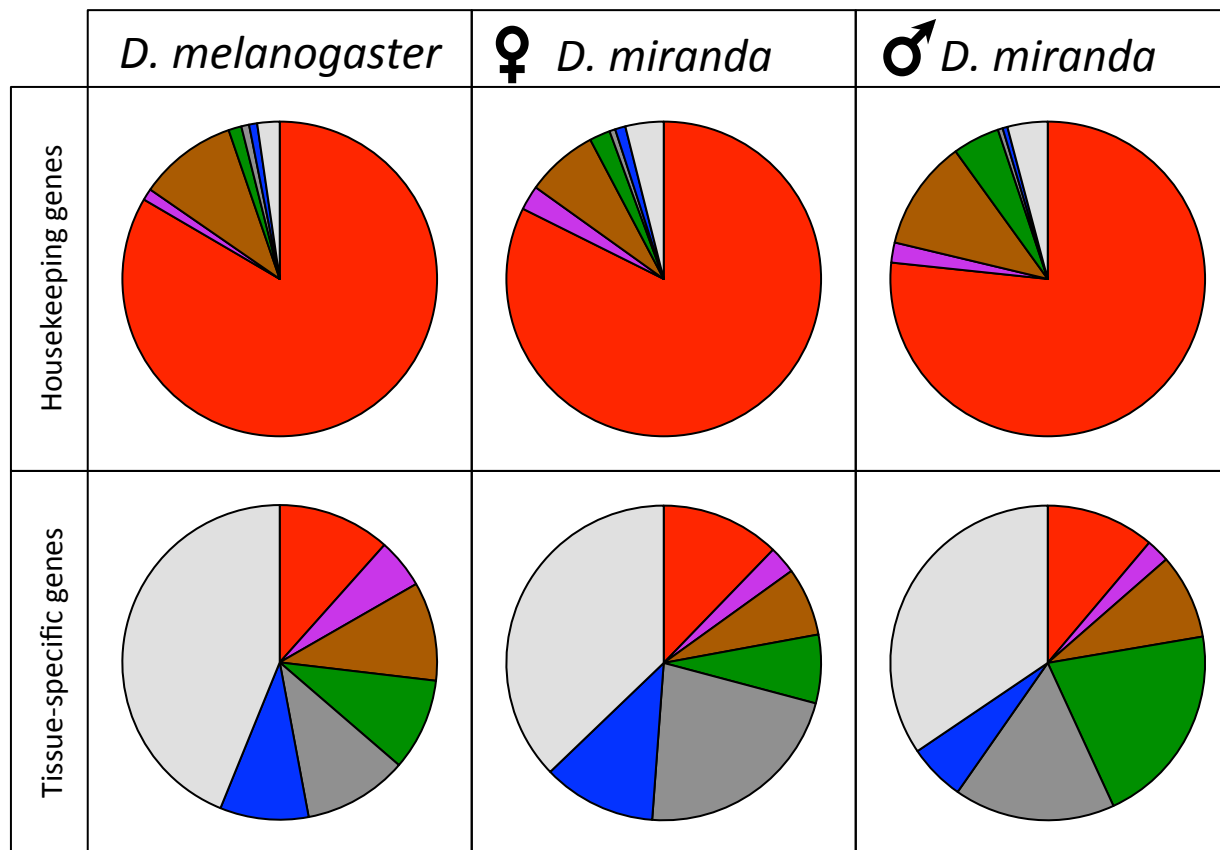
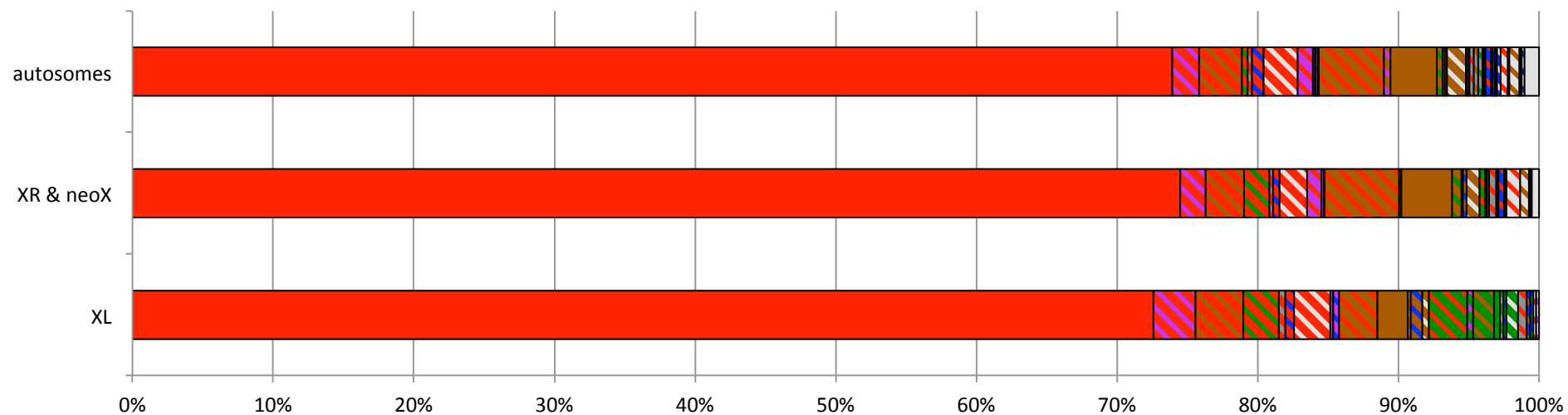


Figure S25

D. melanogaster -> *D. miranda* ♀



D. melanogaster -> *D. miranda* ♂

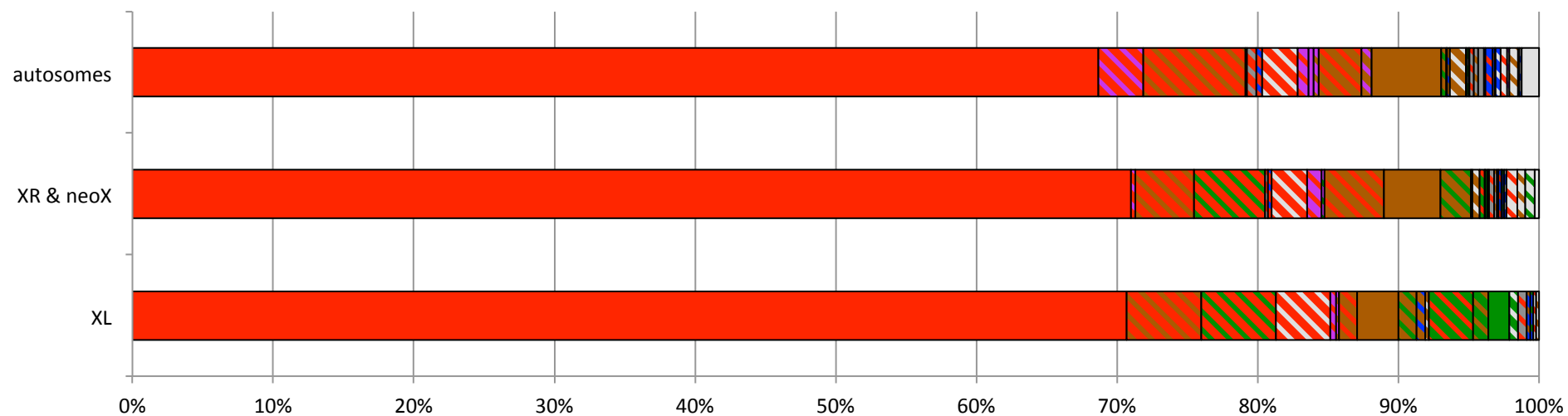
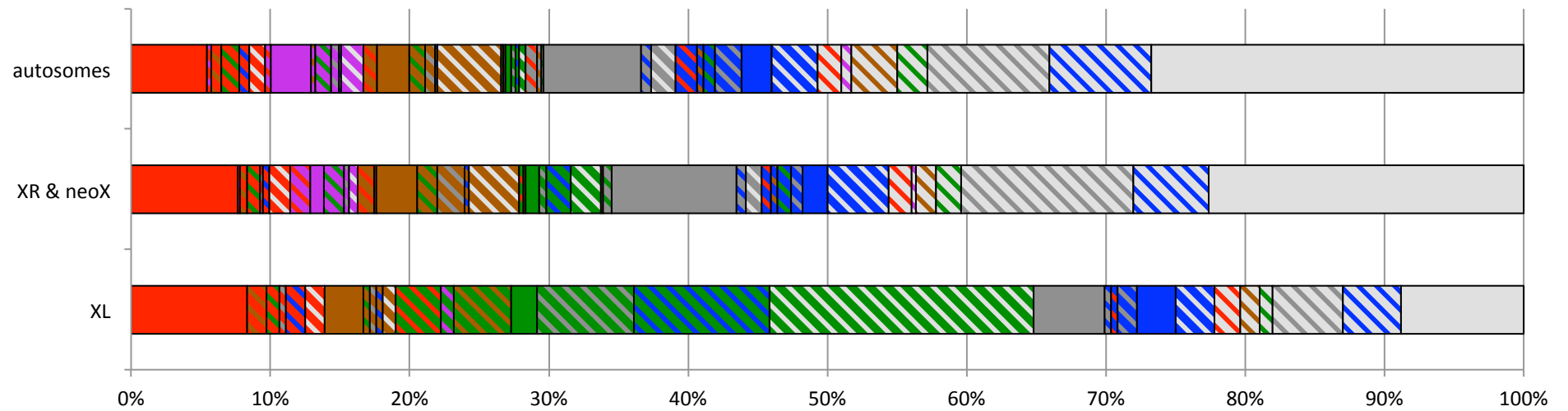


Figure S26

D. melanogaster -> *D. miranda* ♀



D. melanogaster -> *D. miranda* ♂

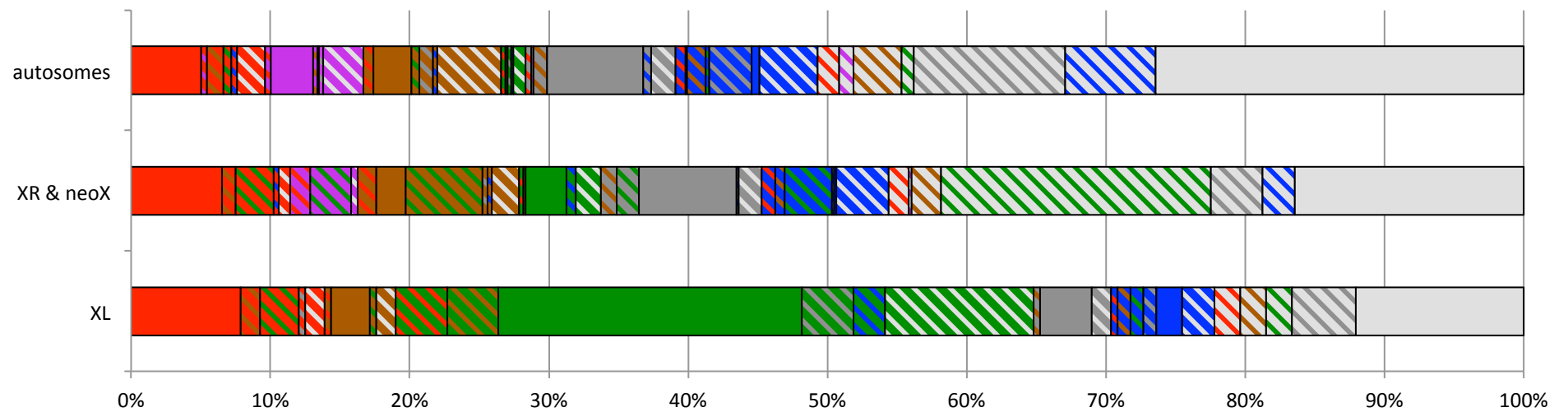


Figure S27

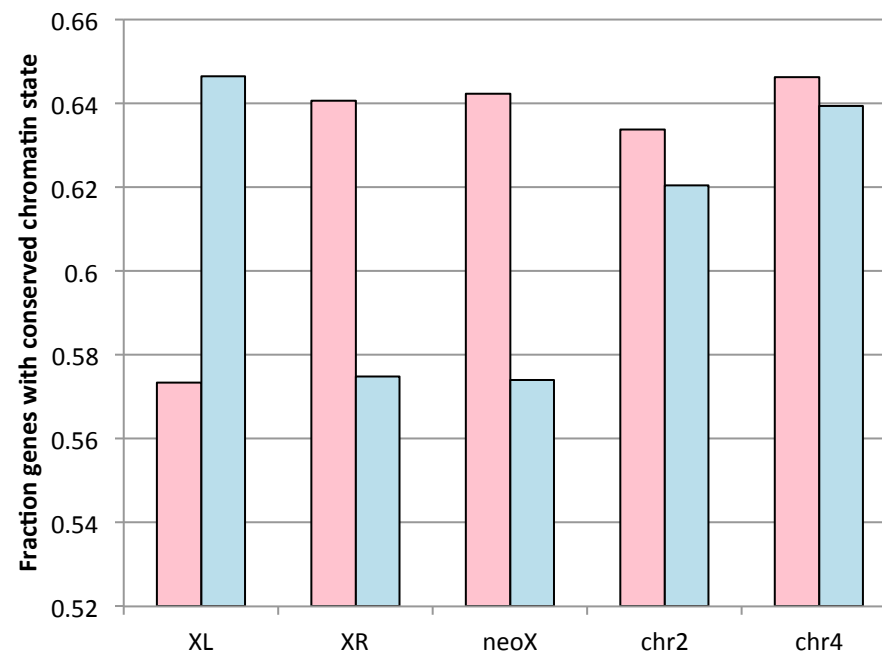


Figure S28

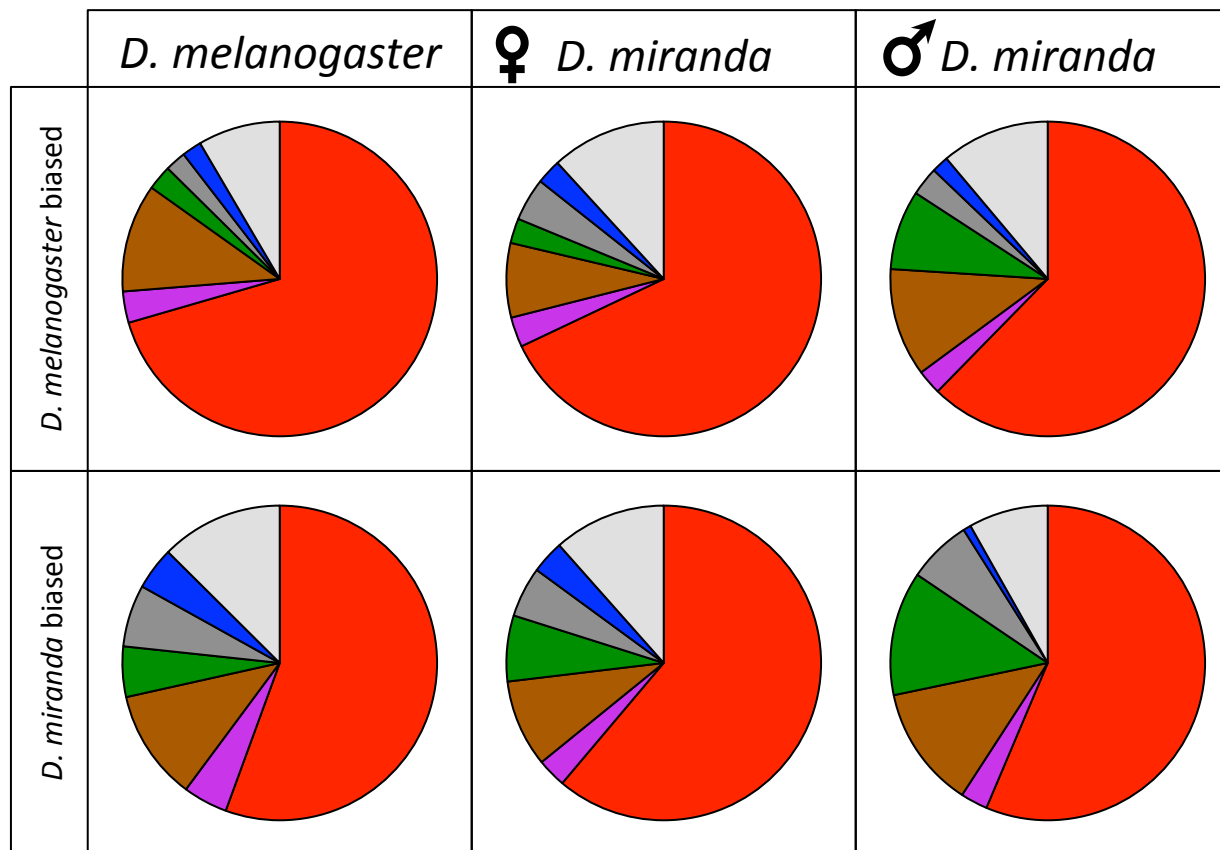


Figure S29

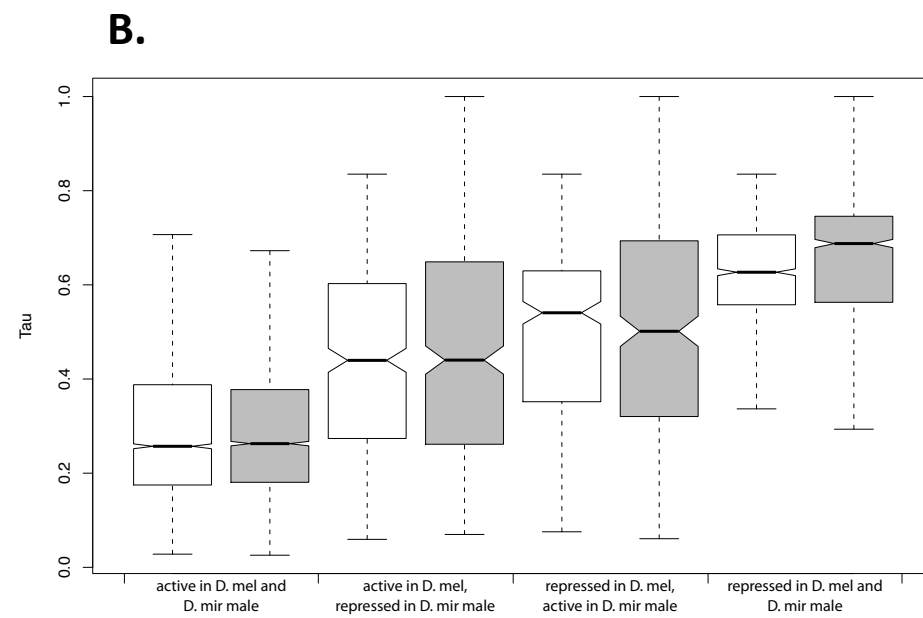
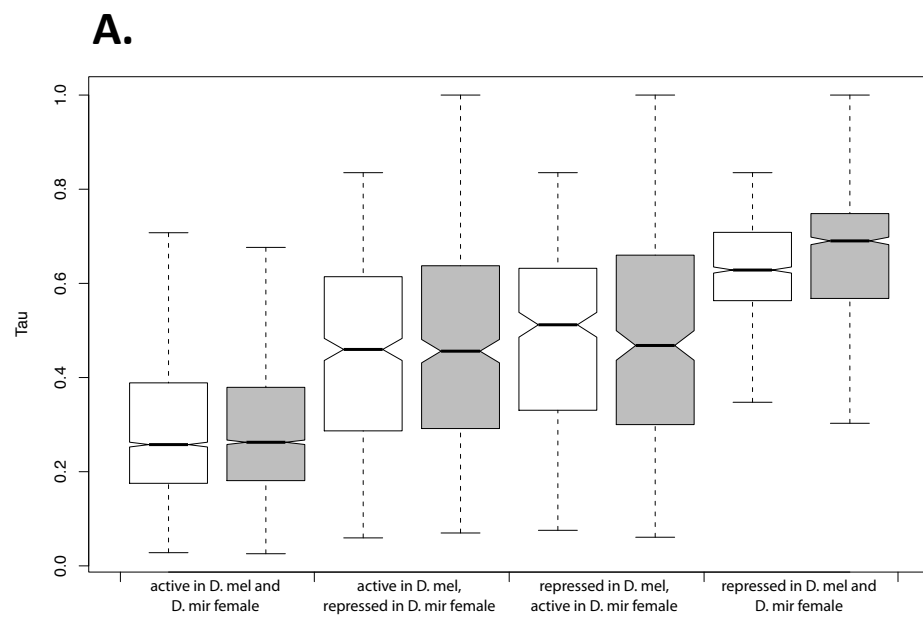


Figure S30

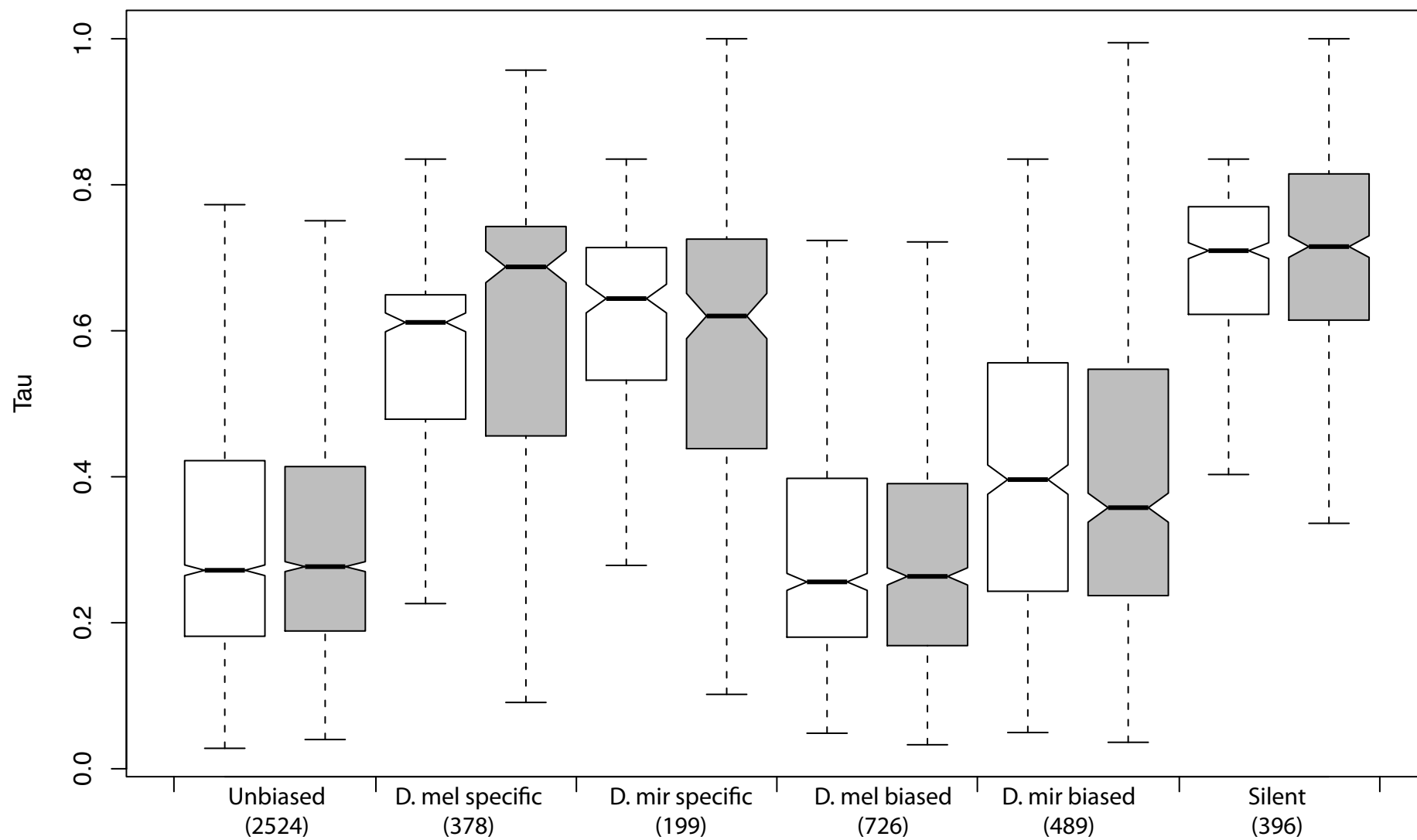


Figure S31

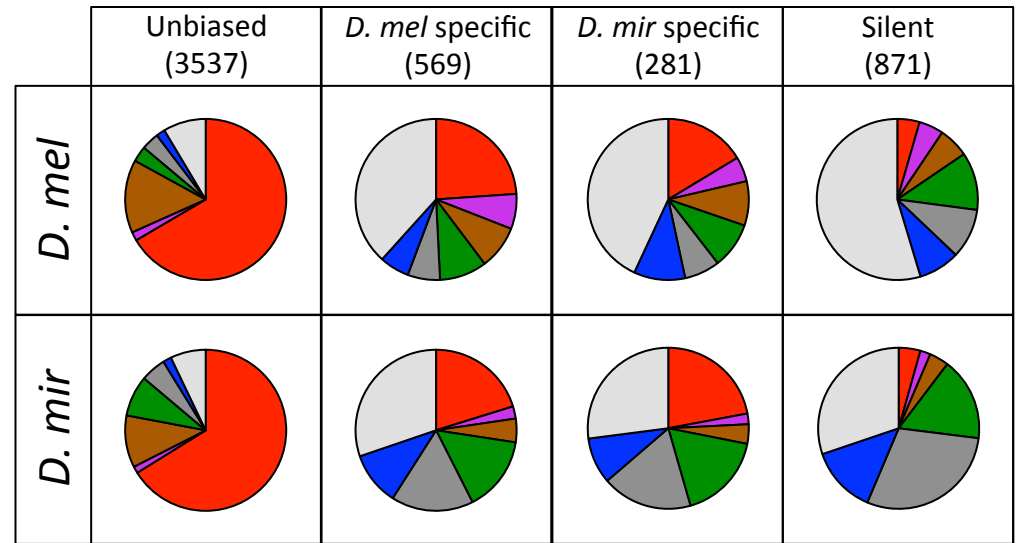
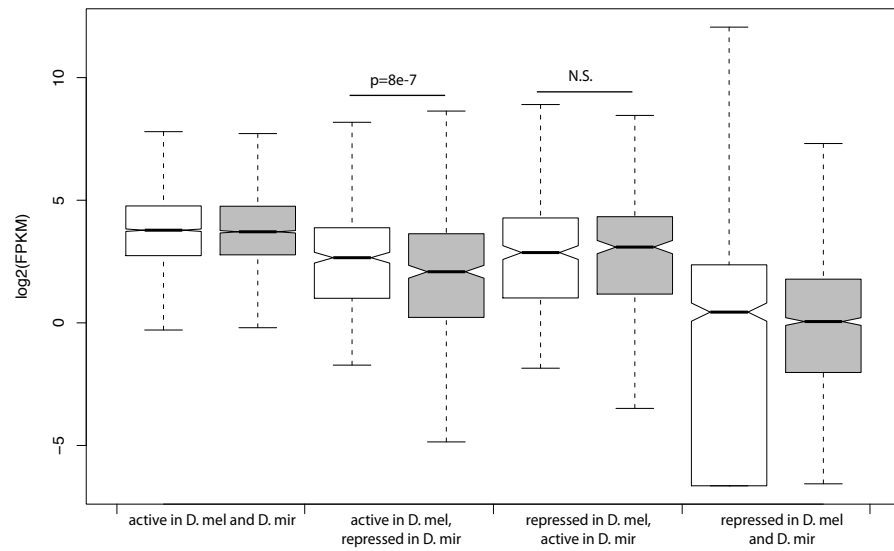


Figure S32