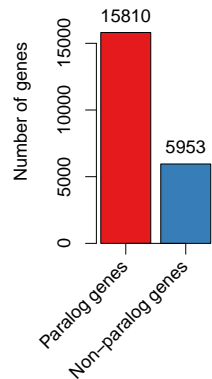


# Mouse

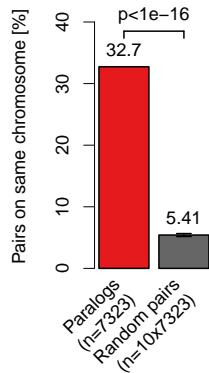
**A**

**Mouse**



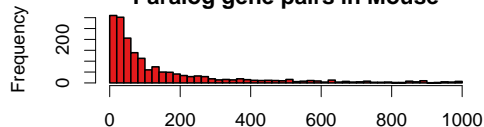
**B**

**Mouse gene pairs on same chromosome**

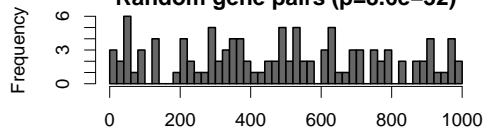


**C**

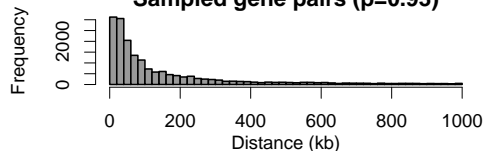
**Paralog gene pairs in Mouse**



**Random gene pairs ( $p=8.6e-32$ )**



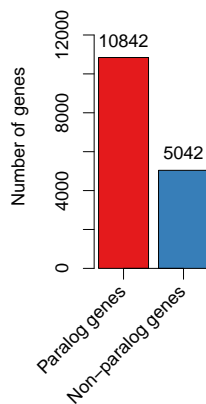
**Sampled gene pairs ( $p=0.93$ )**



# Dog

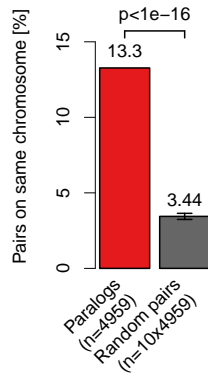
**D**

**Dog**



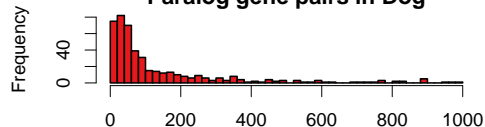
**E**

**Dog gene pairs on same chromosome**

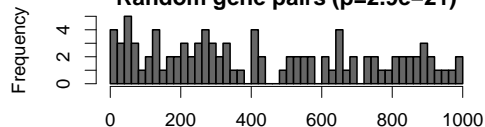


**F**

**Paralog gene pairs in Dog**



**Random gene pairs ( $p=2.9e-21$ )**



**Sampled gene pairs ( $p=0.7$ )**

