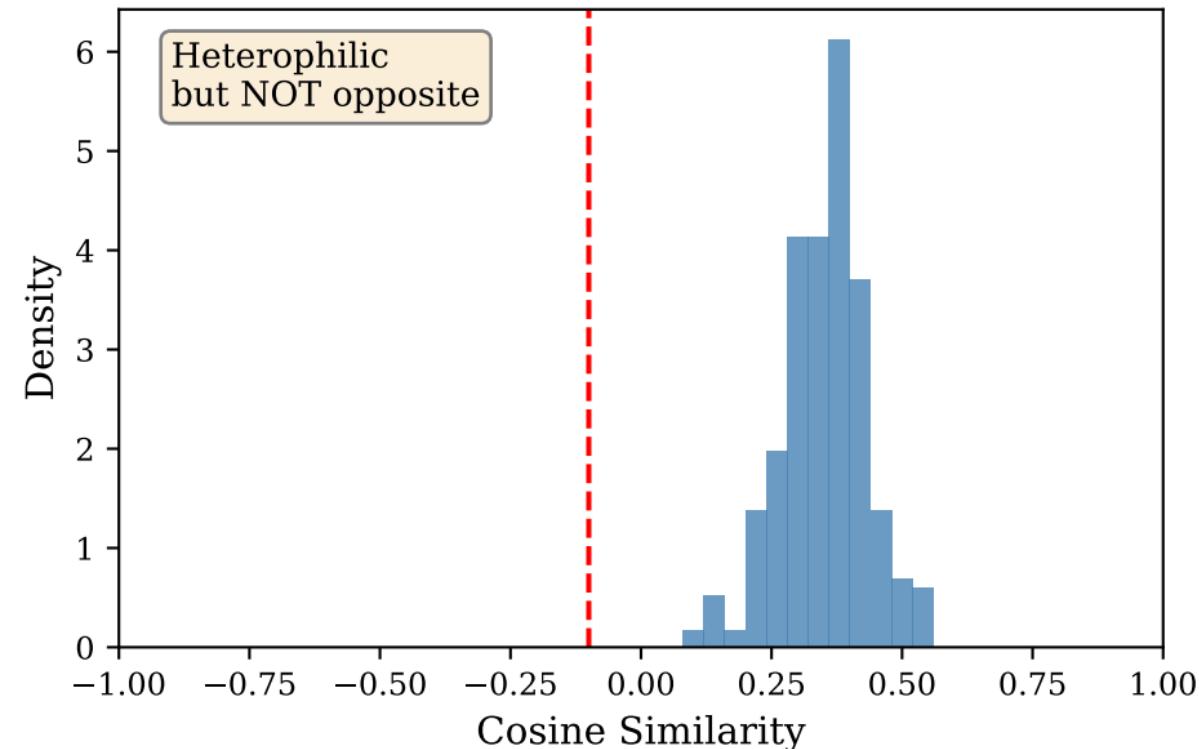


# Sanity Check: Our Method Detects Opposite Neighbors When They Exist

**Real Data: Texas ( $h=0.11$ )**  
**0% with  $\cos < -0.1$**



**Synthetic Data: True Opposites ( $h=0.0$ )**  
**100% with  $\cos < -0.1$**

