

Raxtax: complement problem

prerequisite: reference sequences are in same direction

intersection sizes

$$O(\text{sum}(\text{match_counts}))$$

$$\ll 600 \cdot 10^6$$

↓
pmfs

complexity
for (Q)
missing

$$O(t) \cdot |D|$$

$$\approx 8 \cdot 10^6$$

$$\text{match_count}_t \ll 600$$

$$t = 8$$

$$|D| \approx 10^6$$

↓

C

$$O(t) \cdot |D|$$

$$\approx 8 \cdot 10^6$$

↓

P

$$O(t) \cdot |D|$$

$$\approx 8 \cdot 10^6$$

1. observation:

- correct strand: higher maximum in match counts
 - ↳ confident is correct
 - ↳ dx calculate intersection sizes

2. observation:

- correct strand: higher sum(match counts)
 - ↳ likely correct, further testing needed
 - ↳ adds complexity of $O(|Q|) \approx 600$