

Iso-Seq Dedup FAQ

transcript gene 

UMI 

cell barcode 

Version 1

Founder molecule 

Technical errors due to PCR and sequencing introduce 1 deletions and 1 substitution

HiFi read 1 

HiFi read 2 

isoseq3 tag --design 10B-6U-T: clips 16 bases from 5'

TAG result 1 

TAG result 2 

isoseq3 dedup: alignment identifies 1 mismatch and tags are shifted by 1 base pair

Alignment 1 

Alignment 2 

Tag shift →

Mismatches

⊞