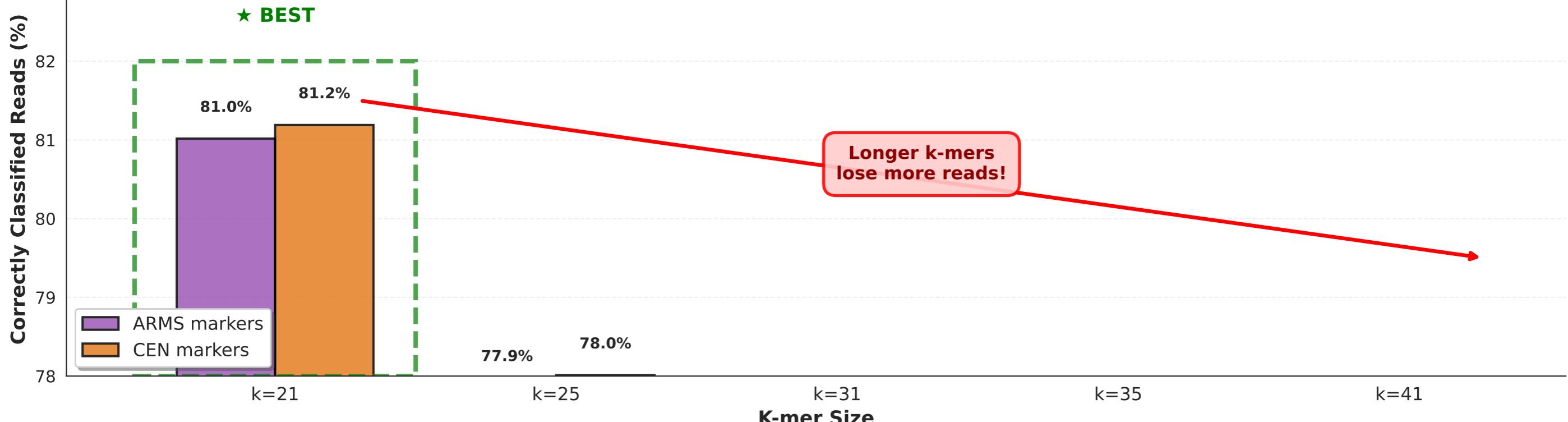


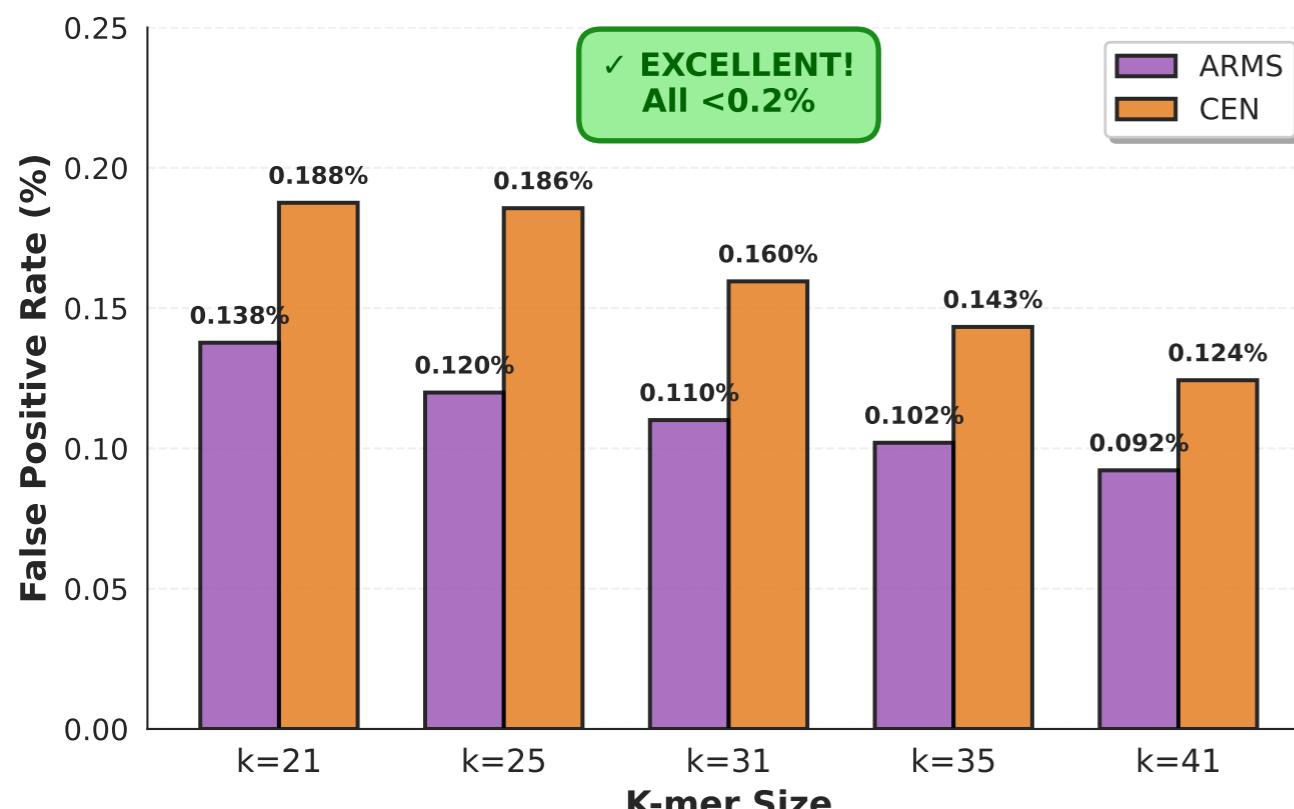
# ONT Sequencing Error Resilience: Impact on Cenhabmer Marker Performance

A. Read Retention Under QNT Sequencing (1% per-base error rate)  
 Percentage of reads that remain correctly classified after sequencing errors  
 1% per-base error rate • 100,000 k-mers tested per database



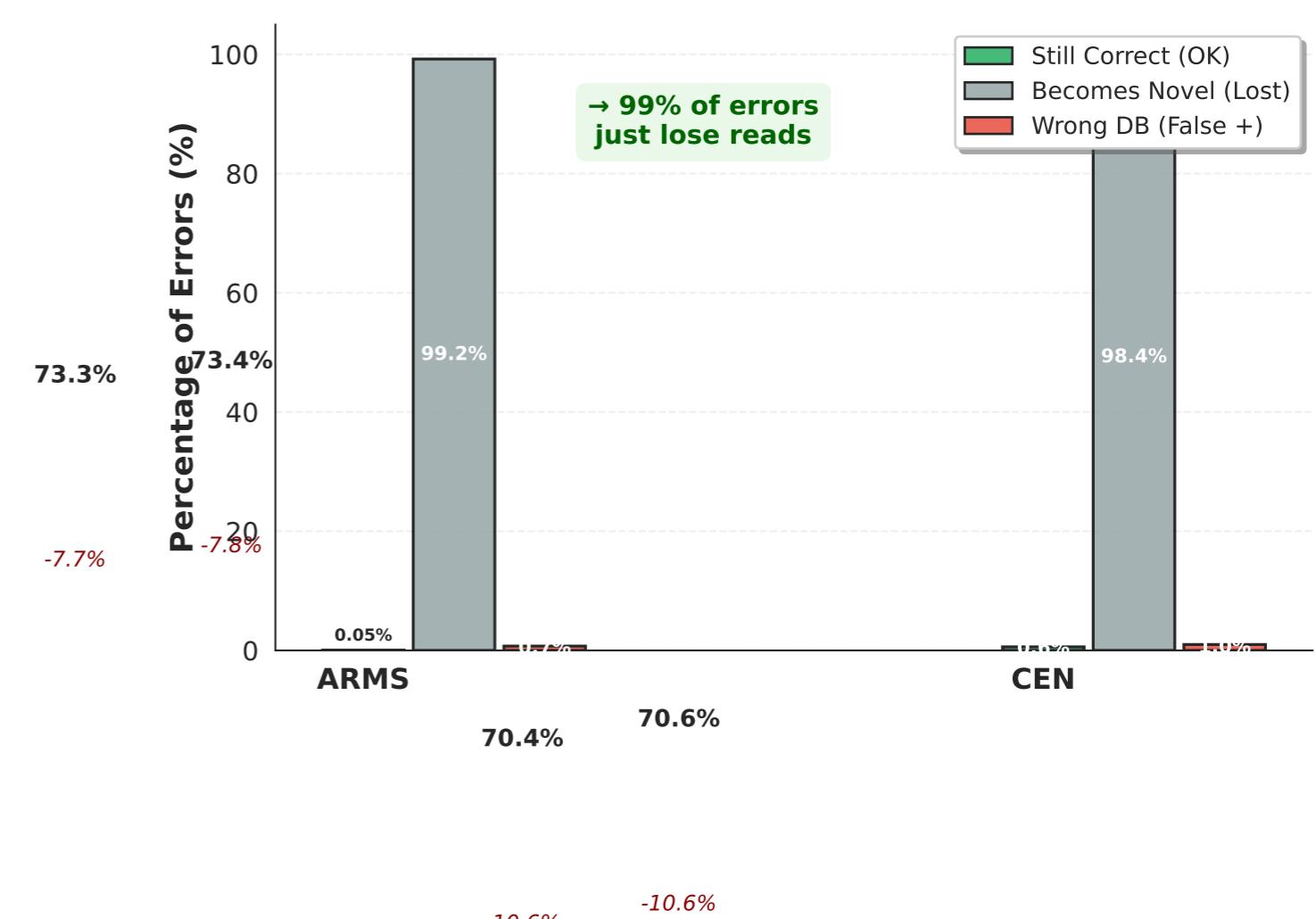
## B. Cross-Contamination Risk

Percentage of reads misclassified to wrong database



## C. What Happens to K-mers with Errors? (k=21)

Breakdown of outcomes for k-mers that contain sequencing errors



66.3% 66.4%

-14.7% -14.8%