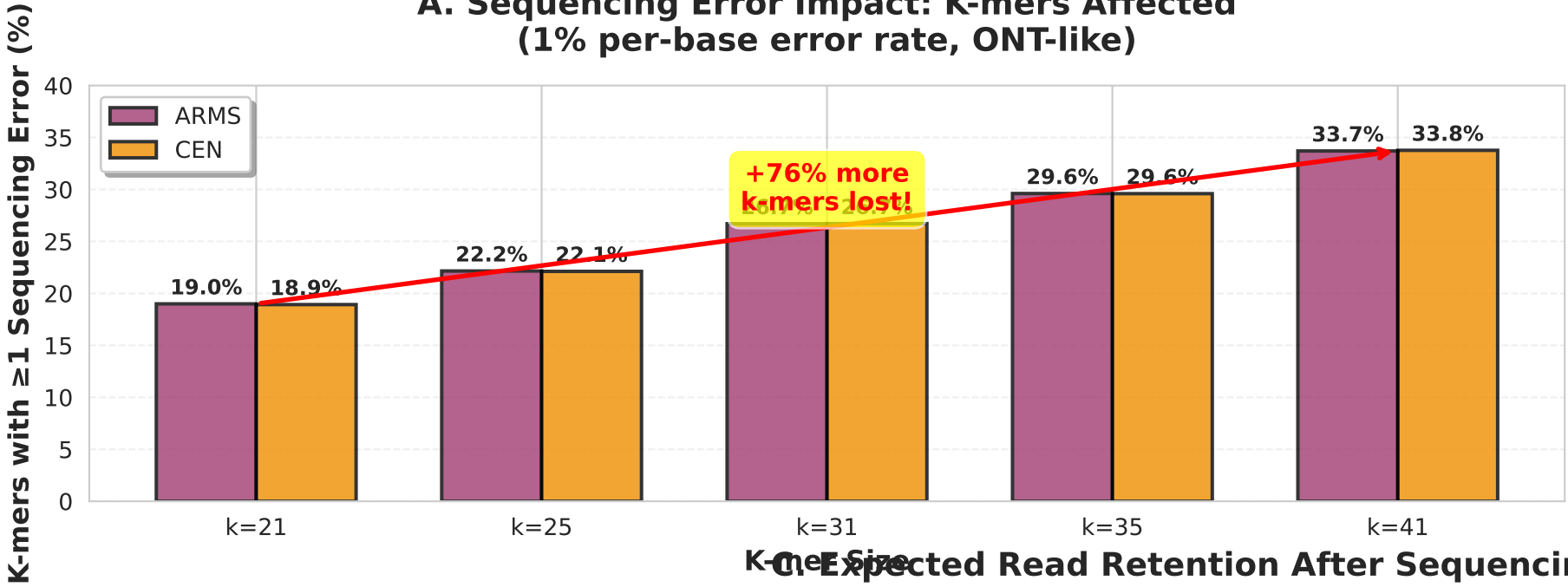
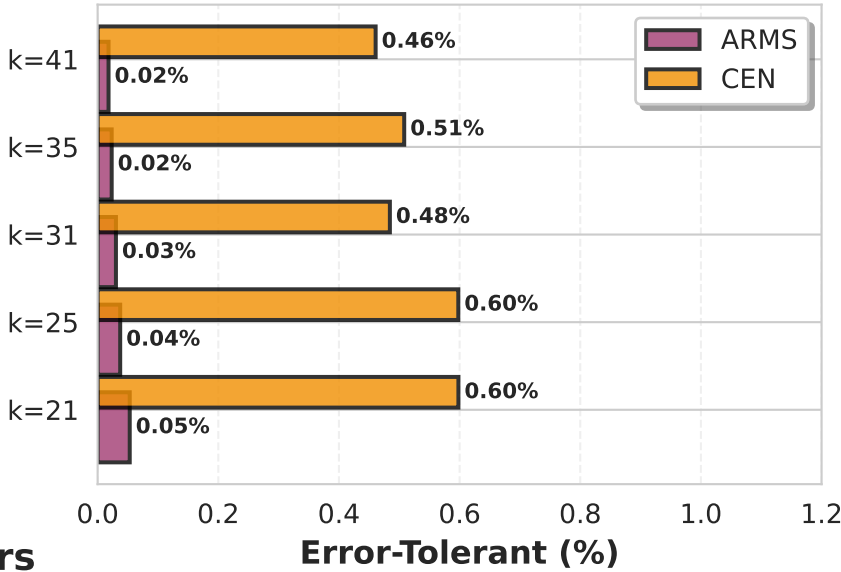


Realistic Sequencing Error Resilience Analysis (1% per-base error rate)
Impact of ONT-like Sequencing Errors on Cenhapmer Marker Performance

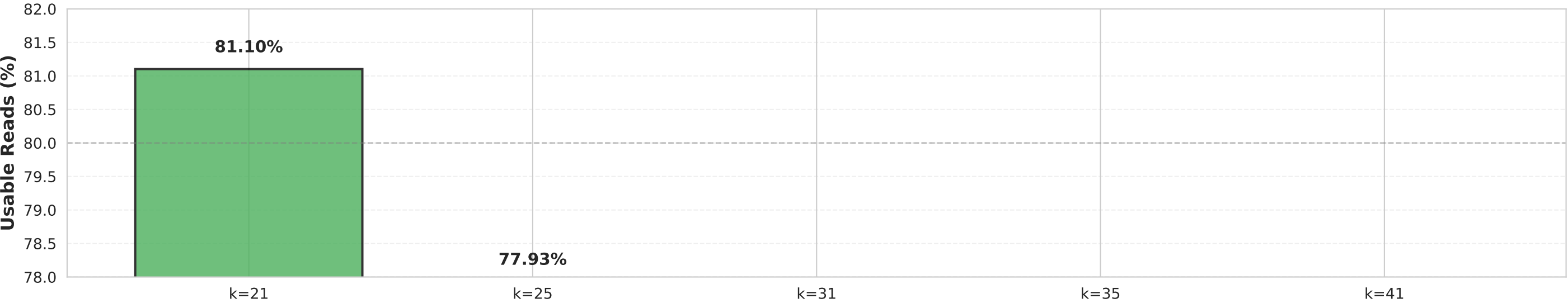
A. Sequencing Error Impact: K-mers Affected
(1% per-base error rate, ONT-like)



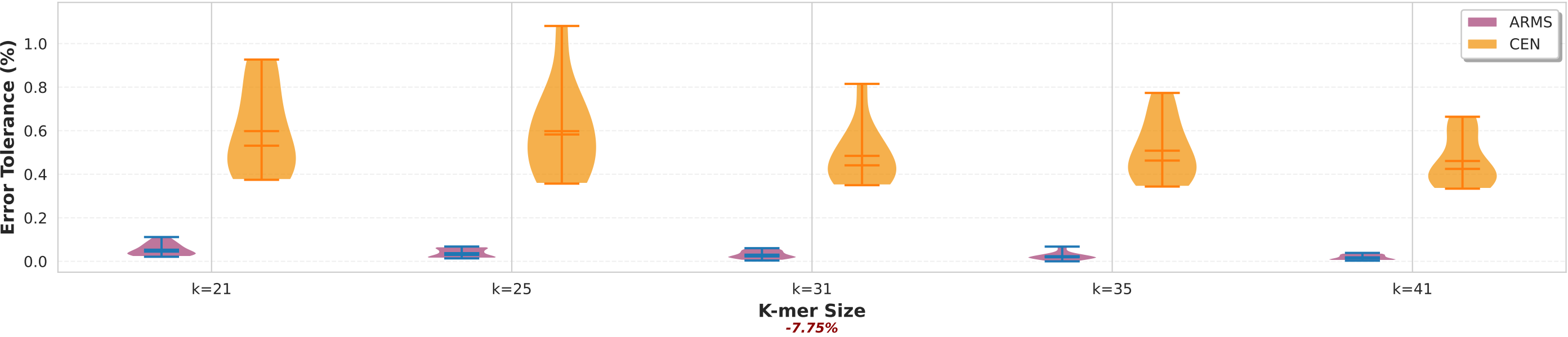
B. Error Tolerance
(of k-mers WITH errors)



C. Expected Read Retention After Sequencing Errors
Percentage of reads that remain correctly classified



D. Error Tolerance Distribution by Region
(Only k-mers with sequencing errors are counted)



70.47%

-10.63%

66.34%

-14.76%