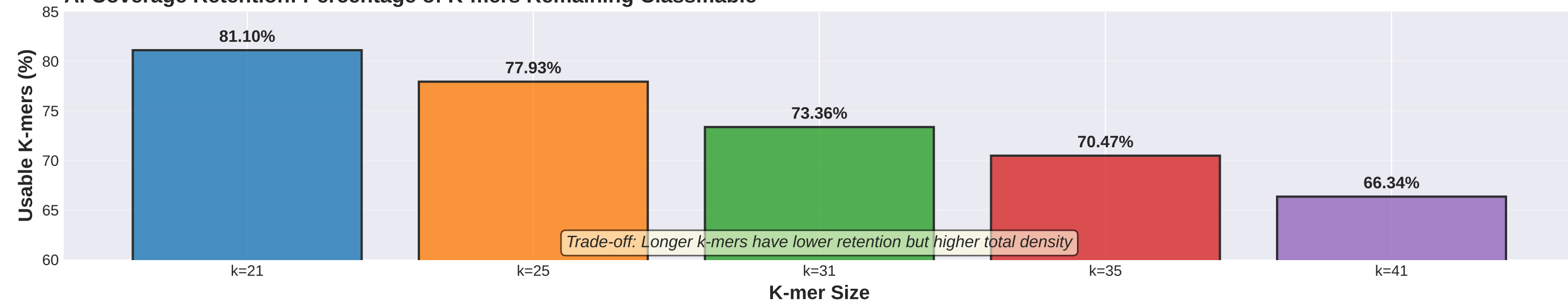
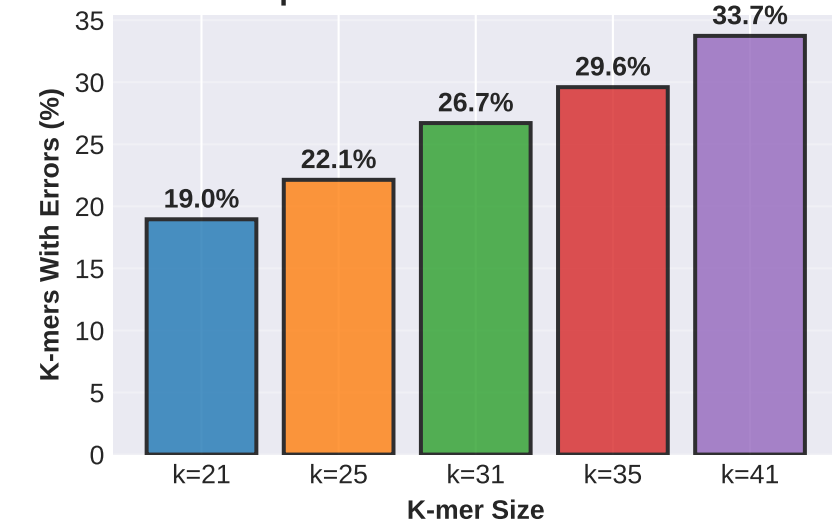


# Error Resilience and Coverage Retention Analysis (1% per-base error rate, ONT-like sequencing)

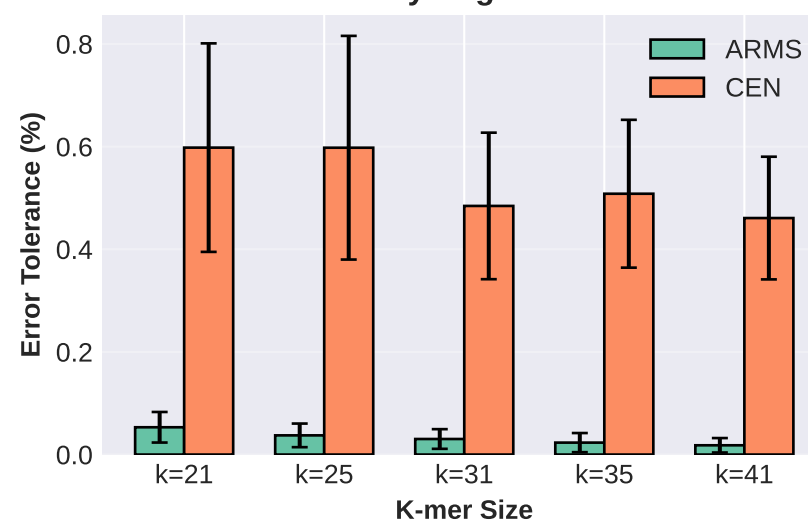
## A. Coverage Retention: Percentage of K-mers Remaining Classifiable



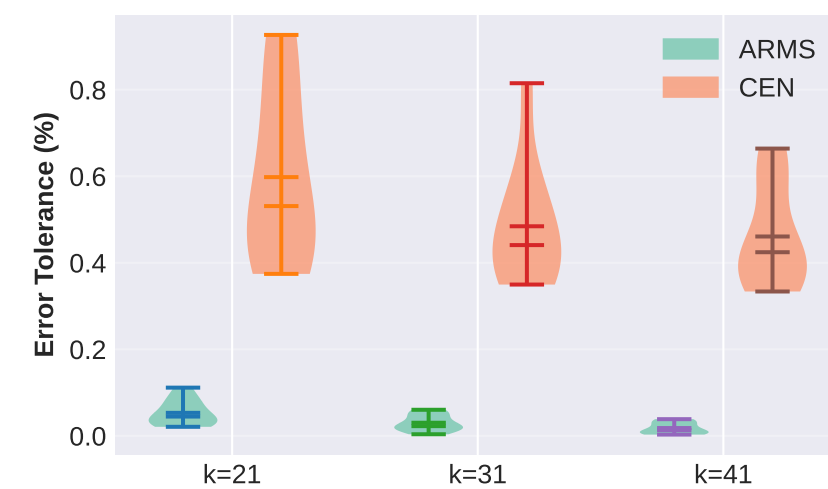
## B. Error Impact



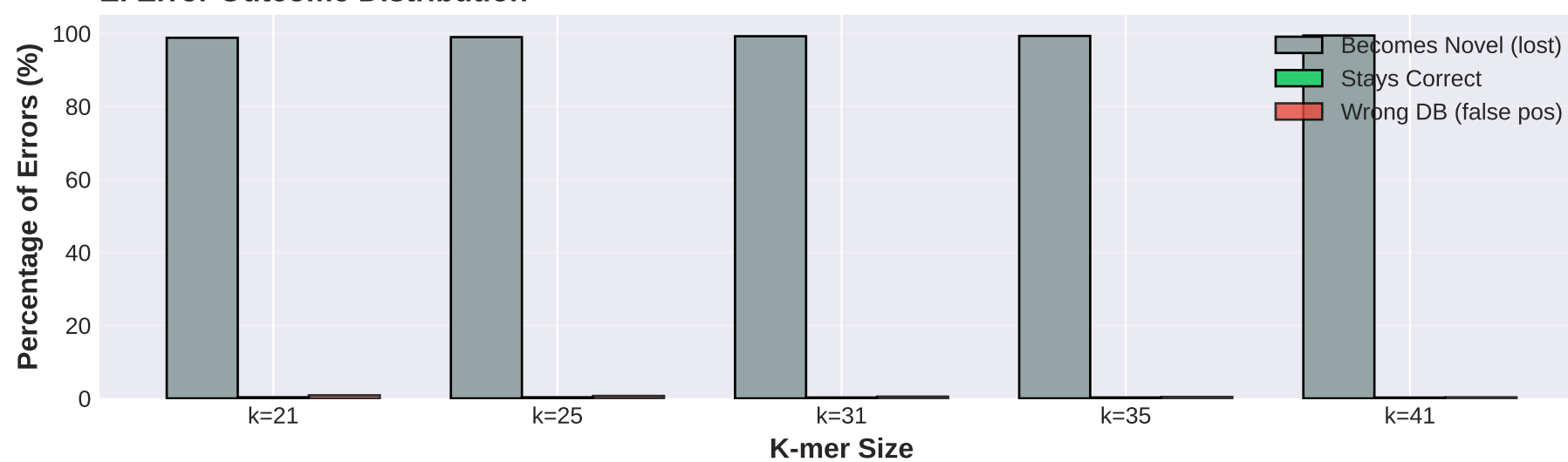
## C. Error Tolerance by Region



## D. Error Tolerance Distribution



## E. Error Outcome Distribution



## F. Summary Table

K-mer	Retention	Error Impact	Interpretation
k=21	81.1%	19.0%	Best resilience
k=25	77.9%	22.1%	Good balance
k=31	73.4%	26.7%	Balanced
k=35	70.5%	29.6%	More affected
k=41	66.3%	33.7%	Most affected