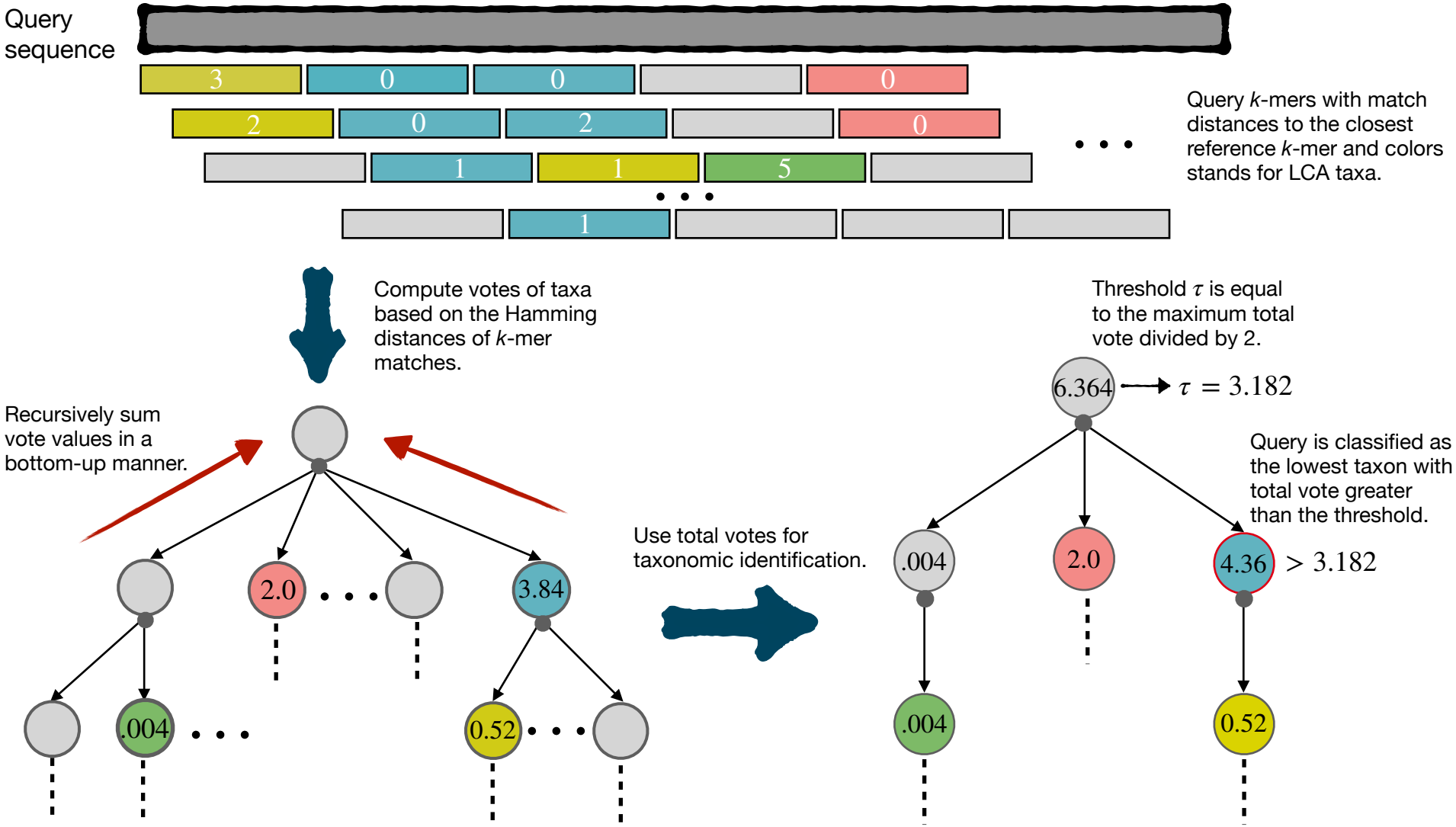
Query sequence
3
0
0
0
2
0
2
0
1
1
5
1
Query k-mers with match distances to the closest reference k-mer and colors stands for LCA taxa.
Compute votes of taxa based on the Hamming distances of k-mer matches.
Recursively sum vote values in a bottom-up manner.
2.0
3.84
.004
0.52
Use total votes for taxonomic identification.
Threshold τ is equal to the maximum total vote divided by 2.
6.364
τ = 3.182
Query is classified as the lowest taxon with total vote greater than the threshold.
.004
2.0
4.36
> 3.182
.004
0.52