(a)

First pass: digital normalization - reduced set of k-mers.

Second pass: spectral analysis of data with reduced k-mer set.

two-pass;
reduced memory

(b)

First pass: collection of low-abundance reads + analysis of saturated reads.

Second pass: analysis of collected low-abundance reads.

few-pass;
reduced memory

(c)

First pass: collection of low-abundance reads + analysis of saturated reads.

online; streaming.