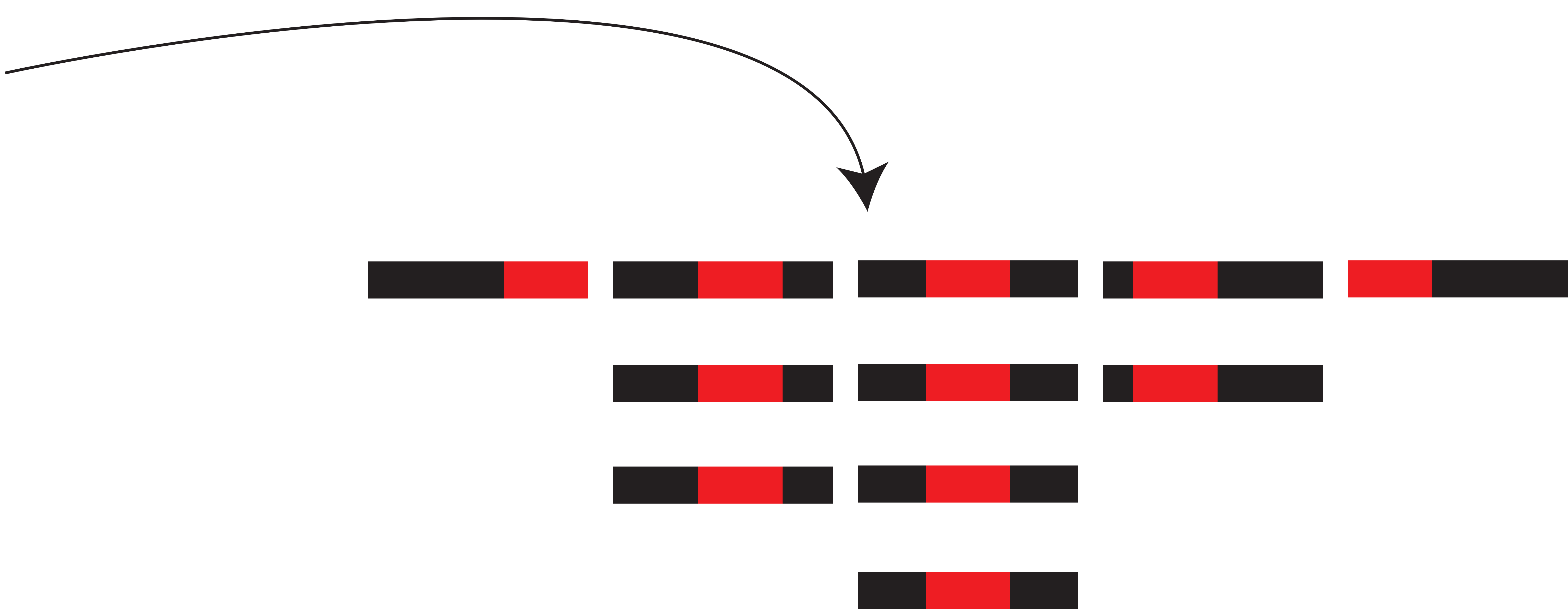


a) input k-mers with minimizer in red



b) k-mers are divided based on minimizer position



d) matrix representation using super-k-mer ids.

col 0	col 1	col 2	col 3	col 4
1				
	2			
	3			
	4			
		5		
		6		
		7		
		8		
			9	
			10	
				11

c) each independently inserted k-mer can be considered as a super-k-mer in the unordered list (row). By dividding k-mers on the position of the minimizer (column), the matrix representation is derived.

	col 0	col 1	col 2	col 3	col 4
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					