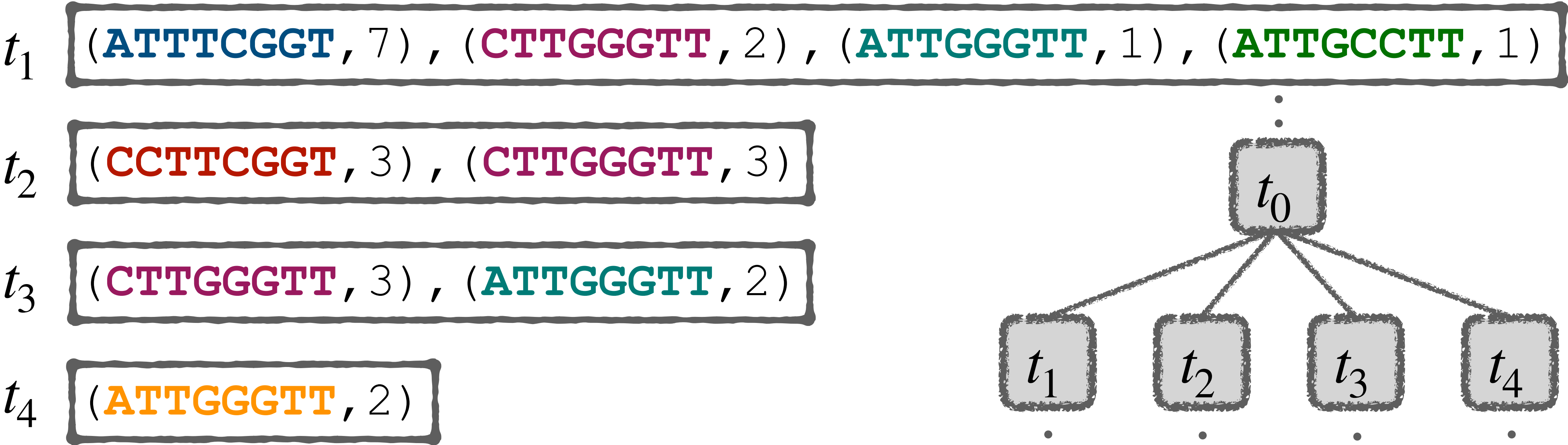


An example set of rows indexed by the same LSH : (k -mer x , species count $R(x, t)$)



| | | |
|-------------------------------|--------------------------------|------------------------------------|
| $R(\text{ATTGCCTT}, t_0) = 1$ | $R'(\text{ATTGGGTT}, t_0) = 1$ | $R^*(\text{ATTGCCTT}, t_0) = 0.25$ |
| $R(\text{ATTGGGTT}, t_0) = 2$ | $R'(\text{CCTTCGGT}, t_0) = 1$ | $R^*(\text{ATTGGGTT}, t_0) = 1.25$ |
| $R(\text{ATTGGGTT}, t_0) = 3$ | $R'(\text{ATTGCCTT}, t_0) = 1$ | $R^*(\text{CCTTCGGT}, t_0) = 1.5$ |
| $R(\text{CCTTCGGT}, t_0) = 3$ | $R'(\text{ATTTCGGT}, t_0) = 1$ | $R^*(\text{ATTTCGGT}, t_0) = 1.75$ |
| $R(\text{ATTTCGGT}, t_0) = 7$ | $R'(\text{ATTGGGTT}, t_0) = 2$ | $R^*(\text{ATTGGGTT}, t_0) = 2.0$ |
| $R(\text{CTTGGGTT}, t_0) = 8$ | $R'(\text{CTTGGGTT}, t_0) = 3$ | $R^*(\text{CTTGGGTT}, t_0) = 3.5$ |

