# Work #1

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- Bruna Simões
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# Grupo 11

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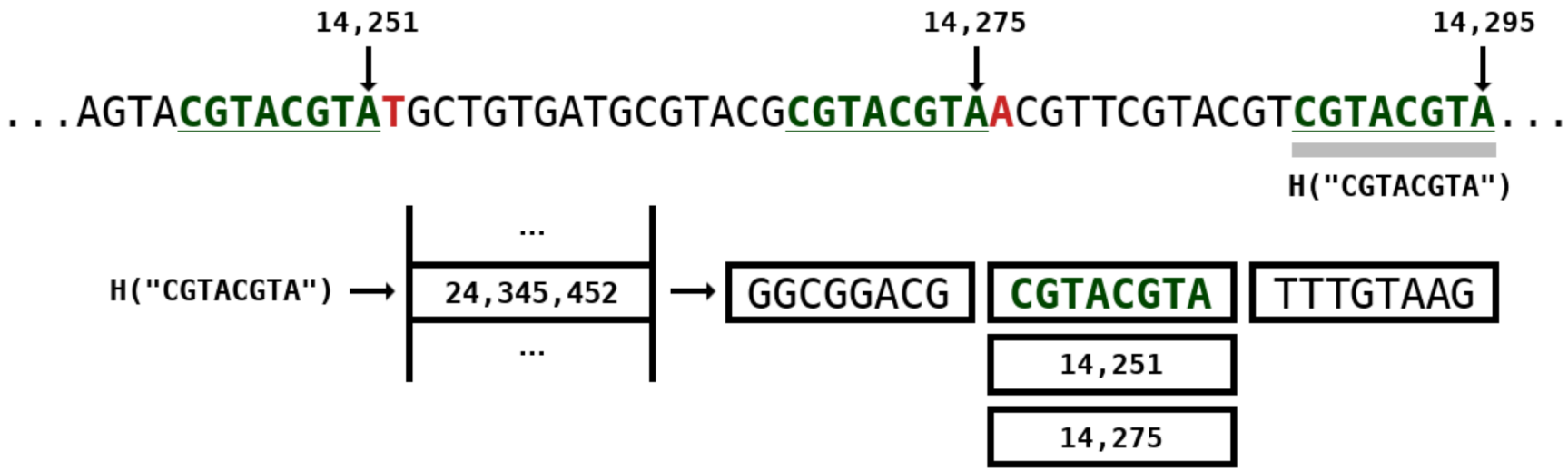
# Copy Models Example



# Algorithm

**Stop Repeat Model**

If there are active repeat model and nHits / nTries < Threshold: (exception at begin)

Stop and use fallback model;

**If kmer exists in hash table**:

Start Repeat Model

Position = position in hash;

nHits = 0;

nTries = 0;

**Predict**

Predicted_symbol[symbol] = (nHits+alpha) / (nTries+2*alpha);

comp_prob = (1-Predicted_symbol[symbol])/3;

bits = -Log_2(P[symbol]);

total += bits;

**Update**

Add Kmer Position to hash table;

move sliding window

Position++;