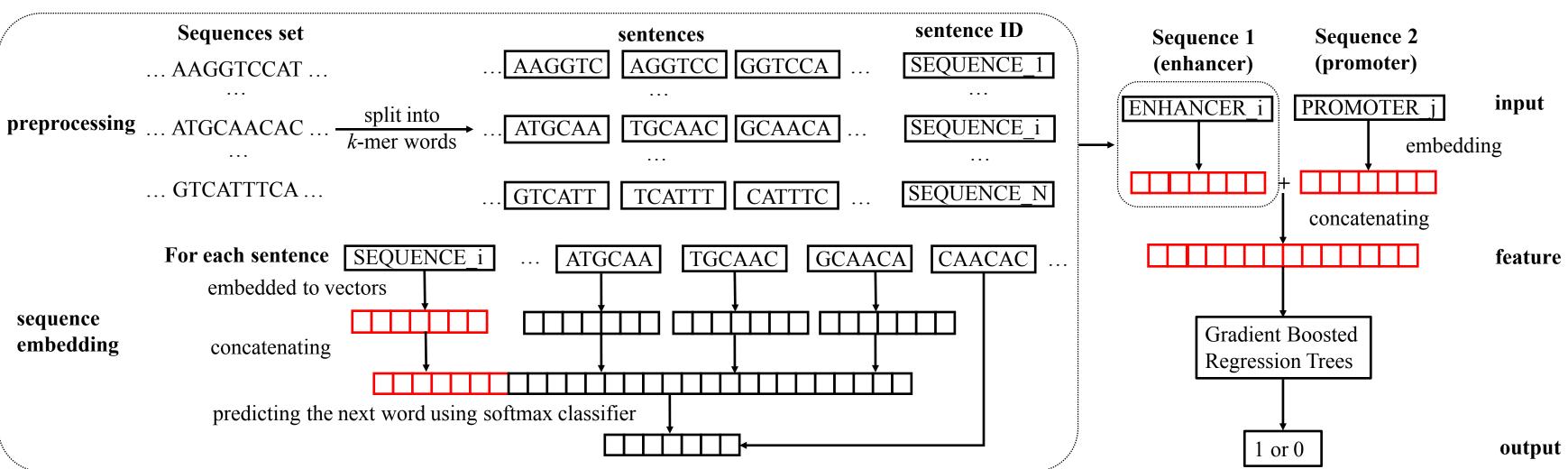
Stage 1: unsupervised feature extraction



Stage 2: supervised learning