

numerical representations. In simulations, two adjacent windows are overlapped by 3 bases.

Results and conclusions

The results summarized in Figure 1 indicate that the approach is capable for effective classification of untrained short exon and intron sequences. Among the 3 new numerical representations, the Complex Twin-Pair (Method 10) achieves a precision of about 79% to 92% for a sequence length of 150 bases to 600 bases and a window length of 9 bases which is comparable with those of the Paired Numeric (Method 7).

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