

## LIST OF ABBREVIATIONS

|                     |   |
|---------------------|---|
| DNA-                | Deoxyribonucleic acid                         |
| RNA -               | Ribonucleic acid                              |
| A Adenine -         | DNA Base                                      |
| T Thymine -         | DNA Base                                      |
| C Cytosine -        | DNA Base                                      |
| G Guanine -         | DNA Base                                      |
| CTW-                | Context Tree Weighting                        |
| XM-                 | Expert Model algorithm                        |
| BLAST-              | Basic Local Alignment Search Tools            |
| BWT-                | Burrows-Wheeler Transform                     |
| PPM-                | Prediction by Partial Matching                |
| MTF-                | Move-To-Front                                 |
| Bpb-                | Bits per Byte                                 |
| NCBI-               | National Center for Biotechnology Information |
| DES-                | Data Encryption Standard                      |
| AES-                | Advanced Encryption Standard                  |
| RP-                 | Reverse & Palindrome                          |
| R <sup>2</sup> Gp-  | Repeat, Reverse and Genetic Palindrome        |
| GP <sup>2</sup> R - | Genetic Palindrome, Palindrome and Reverse    |