List Figures

Figure 1: Biomarker Identification phases ................................................................. 5
Figure 2.1: Abstract view of Bioinformatics ............................................................... 35
Figure 2.2: Data mining process model ................................................................. 38
Figure 2.3: Sample Electropherogram printout from automated sequencer showing part of a DNA sequence ................................................................. 48
Figure 2.4: This illustrates mismatches, insertions and deletions ......................... 49
Figure 2.5: Advantages of Biomarker at different stages of treatment .................. 61
Figure 3.1: Solution Steps for Techies................................................................. 76
Figure 4.1: Electronic medical record ................................................................. 132
Figure 4.2: Flow chart of Electronic Medical Records .......................................... 134
Figure 5.1: Example of an alignment between two sequences of nucleotides ....... 159
Figure 5.2: Showing the step 1 of clustal w ......................................................... 162
Figure 5.3: Showing the step 2 of clustal w ......................................................... 162
Figure 6.1: Alzheimer's Disease & Diabetes Mellitus: Mechanisms ..................... 174
Figure 6.2: Shows the relationship between the proteins by using cladogram tree between Alzheimers and type 2 Diabetes ....................................................... 179
Figure 7.1: Showing Bioinformatics approach of Identifying the biomarkers for AD and T2DM ................................................................. 186