### LIST OF CORRECTIONS:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Comment of Second Examiner</th>
<th>Earlier Submitted Thesis</th>
<th>Corrected Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>There are several grammatical mistakes in the text.</td>
<td>-</td>
<td>The thesis has been thoroughly checked for grammatical mistakes and rectified accordingly in the corrected version of the thesis.</td>
</tr>
<tr>
<td>2.</td>
<td>The general introduction need not include unrelated details like mating behaviour, harvesting techniques and communication perception etc. It can be made concise by mentioning life cycle and culture details related to disease susceptibility.</td>
<td>Mating behaviour, harvesting techniques and communication perception were mentioned in the Chapter I under Introduction heading at page no. 6 (section 1.5.2), page no. 11 (section 1.8) and page no. 7 (section 1.5.3) respectively in the earlier submitted thesis.</td>
<td>According to the suggestion of the second examiner all these statements (section 1.5.2, section 1.8 and section 1.5.3) have been deleted. Since, Fig. 1.5 was present under section 1.8 and has been deleted so, all the subsequent figure numbers have also been changed accordingly in the corrected version of the thesis. As per the suggestion, life cycle and culture details related to disease susceptibility has also been rewritten concisely and reflected on page nos. 5-6 (section 1.5).</td>
</tr>
<tr>
<td>3.</td>
<td>The references quoted under RNA interference, vaccines are very old (2004/2005), although a lot of progress has been made since then and several publications are available.</td>
<td>The references quoted under RNA interference and vaccines were mentioned on page nos. 23-25 (sections 1.11.6 &amp; 1.11.5, respectively).</td>
<td>According to the suggestion, recent information related to RNA interference and vaccines has been mentioned with proper references on page nos. 21-25 (sections 1.11.6 &amp; 1.11.5, respectively).</td>
</tr>
<tr>
<td>4.</td>
<td>The chapter on molecular characterization includes chromatograms, cluster alignments, phylogenetic trees and blast homology</td>
<td>All these statements and figures were mentioned under Chapter III on page nos. 75-92 (sections 3.3.1-3.3.5) in the</td>
<td>The result section of the Chapter III has been modified as per the suggestion of the second examiner. So, all the figures related to these statements has been deleted and in the revised</td>
</tr>
<tr>
<td>2.</td>
<td>Results that serve absolutely no purpose and need not be included as figures.</td>
<td>Earlier submitted thesis.</td>
<td>Version of the thesis.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>5.</td>
<td>In fact these sequences have not been analysed at all for presence or absence of ORFs/ regulatory regions of any kind. It has been assumed that the sequences would most likely be coding for proteins.</td>
<td>The analyses for the ORFs/ regulatory regions were not included in the submitted version of the thesis.</td>
<td>As per the suggestions of the second examiner all the nucleotide sequences of the developed DNA markers are now analysed for the presence of possible ORFs/ regulatory regions and the results are described in the Corrected thesis accordingly. The details are mentioned as below: Page no. 77, a section 3.3.3, Fig. 3.4 and Fig. 3.5 are newly incorporated. Page no. 81, a section 3.3.5 and Figs. 3.8 – 3.14 are newly incorporated. Page no. 85, under the section 3.3.6, new lines are inserted (lines 2-5) to describe the result. Page no. 86, under the section 3.3.7, new lines are inserted (lines 1-4) to describe the result.</td>
</tr>
<tr>
<td>6.</td>
<td>Moreover, the discussion is simply a repetition of what is written in results. The student is advised to take help from labs engaged in sequence analysis and make necessary changes in chapter 3.</td>
<td>Some information was repeated in the result section (page no. 76 &amp; 87) with discussion section (page no. 98 &amp; 99) of chapter III.</td>
<td>As per the suggestions of the second examiner the result section (page 76-86) and discussion section (page 87-89) of chapter III have been revised.</td>
</tr>
</tbody>
</table>