## LIST OF TABLES

<table>
<thead>
<tr>
<th>Table No.</th>
<th>Title</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table 2.1</strong></td>
<td>Gene promoter list with start and end genomic coordinates of NM23-H2 binding sites obtained by ChIP-chip experiments in A549 cells</td>
<td>43</td>
</tr>
<tr>
<td><strong>Table 2.2</strong></td>
<td>Gene ontology (GO) classification of biological processes represented by NM23-H2 target genes</td>
<td>54</td>
</tr>
<tr>
<td><strong>Table 2.3</strong></td>
<td>Gene ontology (GO) classification of molecular functions represented by NM23-H2 target genes</td>
<td>55</td>
</tr>
<tr>
<td><strong>Table 3.1</strong></td>
<td>Kinetic parameters of nuclease and kinase activity exhibited by mNdK</td>
<td>89</td>
</tr>
<tr>
<td><strong>Table 4.1</strong></td>
<td>Comparison of thermal denaturation of the oligonucleotide monitored by FRET</td>
<td>107</td>
</tr>
</tbody>
</table>