The thesis document includes the following changes in answer to the external review process.

I have refined the bibliography list by addition of publication pages, where they were absent, on pages 80 - 86 of the thesis, as was pointed out by Jury members.

Please, also find the changes log below:

- **Page 44:**
The accession number for BREX\textsuperscript{HAR} system “NC\textunderscore 015943.2, positions 401 474 - 426 563” was added.

- **Page 52:**
The accession number for BREX\textsuperscript{Ec} system “NC\textunderscore 009800.1, positions 340 559 – 354 275” was added.

- **Page 69:**
The accession number for BREX\textsuperscript{HAR} system “NC\textunderscore 015943.2, positions 401 474 - 426 563” was added.