

Thesis Changes Log

Name of Candidate: Sergey Shmakov

PhD Program: Life Sciences

Title of Thesis: Computational approaches for discovery of novel CRISPR-Cas systems

Supervisor: Professor Konstantin Severinov

Chair of PhD defense Jury: Professor Mikhail Gelfand

Date of Thesis Defense: October 16, 2017

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

Reviewer Comment 1) Latin species names are not italicised.

Author: fixed: latin names for species italicised

Reviewer Comment 2) Nothing is said about its (ad hoc programs) availability, though.

Author: fixed: passage added to supplementary information section

Reviewer Comment 3) On page 4 the author presents the list of acronyms, but these abbreviations are repeated in what follows, e.g., "double-strand break (DSB)" on pp. 11 and 27. This does not create any inconvenience for the reader, but conflicts with the idea of the list of acronyms

Author: fixed: abbreviation list removed, descriptions added into thesis body

Reviewer Comment 4) before going into the narrative, it is advisable to have a "roadmap" of the of the thesis, in which the reader could get an idea where in the manuscript (s)he should look when asking a particular question

Author: Suggested roadmap is useful feature, however adding it may change structure of the thesis and add redundancy to existing text, implementing it in proper way would require time. Due to lack of time and stylistic nature of comment it was not implemented in this thesis. Headings supposed to be a roadmap, however added abstract may help to guide reader as well.