

**A novel electronic assessment strategy to support applied *Drosophila* genetics training on university courses**

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## Files S1-S7

**File S1** Online resources for the practical course, including a course manual (with a time table indicating the time slots for the various genetics training modules), an introductory *Drosophila* genetics manual, and a number of further resources of which the "02-ConceptsDrosophilaGenetics.ppt" and "03-P-elements.ppt" files are referred to in the text. The actual version is available at <http://dx.doi.org/10.6084/m9.figshare.156395>. Previous versions used on the 2013 course are listed further below on that site.

**File S2** The questionnaire for the evaluation of the training package, including the self-assessment and collated student comments. The document can be downloaded here: <http://dx.doi.org/10.6084/m9.figshare.1312994>.

**File S3** The actual version of the e-assessment can be accessed here <http://www.coursesites.com/webapps/Bb-sites-course-creation-BBLEARN/pages/index.html>; log in (username "flyfacility", password "prokop"), click the tab "FlyFacility" at the top right, carefully read the provided information and start by clicking on the title line "Drosophila Genetics Assessment".

**File S4** A commented paper version of the original e-assessment, as presented to students on the evaluated course in March 2013. The document can be downloaded here: <http://dx.doi.org/10.6084/m9.figshare.1312994>. It is protected, and the password will be given at the end of the actual online version of the e-assessment (File S2).

**File S5** An Excel sheet with results and performance plots. The document can be downloaded here: <http://dx.doi.org/10.6084/m9.figshare.1312994>. The first worksheet shows the raw data for each question on the assessment, ranked by performance of the 45 examinees. The next two worksheets plot mean performances by individual students and per individual questions. The remaining worksheets show performance plots for all questions.

**File S6** Table describing the individual questions of the e-assessment. The document can be downloaded here: <http://dx.doi.org/10.6084/m9.figshare.1312994>.

**File S7** Figure showing course performance in 2014. The document can be downloaded here: <http://dx.doi.org/10.6084/m9.figshare.1312994>.