Putting it all together with fission yeast: Data connections within and beyond PomBase

Midori A. Harris¹, Antonia Lock², Kim Rutherford¹, Mark McDowall³, Jürg Bähler², Paul Kersey³, Stephen G. Oliver¹ and Valerie Wood¹

¹Department of Biochemistry and Cambridge Systems Biology Centre, University of Cambridge, Sanger Building, 80 Tennis Court Road, Cambridge CB2 1GA, UK; ²Department of Genetics, Evolution & Environment and UCL Genetics Institute, University College London, London WC1E 6BT, UK; ³EMBL—European Bioinformatics Institute, Hinxton, Cambridge CB10 1SD, UK

Summary

The fission yeast model organism database, PomBase, gathers and integrates a wide range of data about *Schizosaccharomyces pombe* biology. Annotations of function, phenotype, modification, expression, and sequence and structural features use ontologies to facilitate integration with data from other species as well as to capture links between different types of observations and inferences. By exploring the interconnections among different data types and databases, researchers can guide the interpretation of experimental and computational results, and discover promising topics and approaches for further study. We provide a graphical summary of data types and connections within and beyond PomBase.

