OXFORD

Systems biology

CrossPlan: systematic planning of genetic crosses to validate mathematical models

Aditya Pratapa[1], Neil Adames[2], Pavel Kraikivski[3], Nicholas Franzese[4], John J. Tyson[3], Jean Peccoud[2] and T. M. Murali[1]*

[1]Department of Computer Science, Virginia Tech, Blacksburg, VA 24061, USA, [2]Department of Chemical and Biological Engineering, Colorado State University, Fort Collins, CO 80523, USA, [3]Department of Biological Sciences, Virginia Tech, Blacksburg, VA 24061, USA and [4]Department of Biology, Reed College, Portland, OR 97202, USA

Efficient Synthesis of Mutants Using Genetic Crosses

Aditya Pratapa
Dept. of Computer Science
Virginia Tech, Blacksburg, VA

Amogh P. Jalihal
Genetics, Bioinformatics, and Computational Biology
Virginia Tech, Blacksburg, VA

S. S. Ravi*
Biocomplexity Institute
Virginia Tech, Blacksburg, VA

T. M. Murali†
Dept. of Computer Science
Virginia Tech, Blacksburg, VA