CRISPulator aids design of genetic screens

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CRISPR-based genetic screens are a powerful technology to elucidate disease mechanisms and identify potential therapeutic strategies. However, the experimental design of a successful screen remains a challenge. Graduate student Tamas Nagy and Martin Kampmann developed a simulation tool for these screens, termed CRISPulator, which helps researchers to optimize the experimental parameters of different types of CRISPR-based screens. CRISPulator uncovered new rules for optimal screen design. The research was published in an article in BMC Bioinformatics:


The software is freely available online:

http://crispulator.ucsf.edu [2]

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