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Characterizing constitutive promoters in yeast

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Design and establishment of new biosynthetic pathways in yeast are important goals in synthetic biology. Therefore, promoters with predictable and reproducible protein expression levels independent of the protein of interest are needed. Data presented here show a library of constitutive promoters expressing two different fluorescent proteins in diverse conditions. We compare expression levels for episomal and chromosomal location, different growth media and different growth times. GFP and RFP are quantified via fluorescence spectroscopy and flow cytometry.

Biography

Sabrina Schulze completed her PhD in Medical Sciences at the University of Aberdeen (UK) followed by a Postdoctoral Associate position at the University of Pittsburgh (USA). In 2017, she joined the group for synthetic biosystems at Potsdam University (Germany).

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