Predictable tuning of protein expression in bacteria - DTU Orbit (08/11/2017)

Predictable tuning of protein expression in bacteria

We comprehensively assessed the contribution of the Shine-Dalgarno sequence to protein expression and used the data to develop EMOPEC (Empirical Model and Oligos for Protein Expression Changes; http://emopec.biosustain.dtu.dk). EMOPEC is a free tool that makes it possible to modulate the expression level of any *Escherichia coli* gene by changing only a few bases. Measured protein levels for 91% of our designed sequences were within twofold of the desired target level.

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