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Less is more: Genome-reduced *Bacillus subtilis* for protein production

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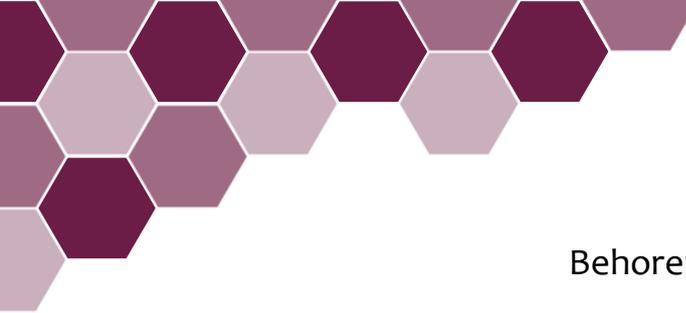
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Stellingen
Behorend bij het proefschrift

Less is more:
Genome-reduced *Bacillus subtilis* for protein production

by Rocío Aguilar Suárez

1. Massive genome reduction in *B. subtilis* can deliver improved descendants which outperform their parent with respect to protein production (Chapter 2).
 2. The absence of major extracellular proteases is not the only reason for improved protein production in mini*Bacillus* (Chapter 2).
 3. The combination of absolute protein quantification and genome reduction will facilitate the computational modelling of essential cellular processes (Chapter 3).
 4. The enhanced abundance of elements of the Sec secretion machinery in Midi*Bacillus*-II is an intrinsic advantage for protein secretion (Chapter 4).
 5. Induced IsaA production allows Midi*Bacillus*-II to relax (Chapter 4).
 6. Testing is fundamental to appreciate the ways of a minimised cell towards improved cell factories (Chapter 5).
 7. The pinnacle in engineering minimised *B. subtilis* cells is to find an optimal balance between lost and gained features (Chapter 2, 4 and 5).
 8. Debugging *Bacillus* can be facilitated by genome minimization (This thesis).
 9. Sometimes antibodies can tell you more than label-free quantification intensities.
 10. “Only those who will risk going too far can possibly find out how far they can go.”– T.S. Eliot
 11. ‘Wadlopen to Ameland is like doing a PhD’. –Jan Maarten van Dijl.
 12. PhD candidates should be employees, not students.
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