Dynamic organization of bacterial chromatin by DNA bridging proteins

Qin, L.

LIST OF PUBLICATIONS

1. **Qin, L**, Ben Bdira, F. & Dame, R. T. Mechanism of anti-repression of *Pseudomonas aeruginosa* H-NS family protein MvaT by the phage protein Mip. *Manuscript in preparation*.

2. **Qin, L.**, Erkelens, A. M., Markus, D. & Dame, R. T. (2019). The *B. subtilis* Rok protein compacts and organizes DNA by bridging. *bioRxiv*, 769117.

3. **Qin, L**, Ben Bdira, F., Sterckx, Y. G., Volkov, A. N., Vreede, J., Giachin, G., van Schaik, P., Ubbink, M. & Dame, R. T. (2020). Structural basis for osmotic regulation of the DNA binding properties of H-NS proteins. *Nucleic Acids Research*, 48(4), 2156-2172.

4. **Qin, L**, Erkelens, A. M., Ben Bdira, F. & Dame, R. T. (2019). The architects of bacterial DNA bridges: a structurally and functionally conserved family of proteins. *Open Biology*, 9(12), 190223.

5. Paiva, A. M. O., Friggen, A. H., **Qin, L.**, Douwes, R., Dame, R. T. & Smits, W. K. (2019). The bacterial chromatin protein HupA can remodel DNA and associates with the nucleoid in *Clostridium difficile*. *Journal of Molecular Biology*, *431*(4), 653-672.

6. Lin, S. N.*, **Qin, L.***, Wuite, G. J. & Dame, R. T. (2018). Unraveling the Biophysical Properties of Chromatin Proteins and DNA Using Acoustic Force Spectroscopy. In Bacterial Chromatin (pp. 301-316). Humana Press, New York, NY. (Co-first author).

7. van der Valk, R. A., **Qin, L.**, Moolenaar, G. F. & Dame, R. T. (2018). Quantitative Determination of DNA Bridging Efficiency of Chromatin Proteins. In Bacterial Chromatin (pp. 199-209). Humana Press, New York, NY.

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9. van der Valk, R. A., Vreede, J., **Qin, L.**, Moolenaar, G. F., Hofmann, A., Goosen, N. & Dame, R. T. (2017). Mechanism of environmentally driven conformational changes that modulate H-NS DNA-bridging activity. *Elife*, 6, e27369.

10. **Qin, L.**, Wu, Y., Liu, Y., Chen, Y. & Zhang, P. (2014) Dual Effects of Alpha-Arbutin on Monophenolase and Diphenolase Activities of Mushroom Tyrosinase. *PLOS ONE* 9(10): e109398.

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