**Supporting Information**

Membrane Permeabilization and Perturbation Induced by Alkylbiguanidium Salts

Audrey Hébert,[a] Maxime Parisotto,[a] Gerardo Ferbeyre[b] and Andreea R. Schmitzer\*[a]

[a] Département de Chimie- Faculté des Arts et des Sciences

Université de Montréal, 2900 Edouard Montpetit, CP 6128 succursalle centre ville, Montréal, H3C3J7, Québec, Canada

Email: \*ar.schmitzer@umontreal.ca

[b] Département de Biochimie et Médecine Moléculaire- Faculté de Médecine, Université de Montréal

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# **NMR Spectra**

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**Supplementary figure S1.** 1H NMR (DMSO-d6) spectrum of 1***1-Hexylbiguanidium chloride***  (C6Cl)

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**Suplementary figure S2.** 13C NMR (MeOD) spectrum of 1***1-Hexylbiguanidium chloride*** (C6Cl)

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**Supplementary figure S3.** 1H NMR (DMSO-d6) spectrum of ***1-Octylbiguanidium chloride*** (C8Cl)

**Supplementary figure S4.** 13C NMR (MeOD) spectrum of ***1-Octylbiguanidium chloride*** (C8Cl)

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**Supplementary figure S5.** 1H NMR (DMSO-d6) spectrum of ***1-Decylbiguanidium chloride*** (C10Cl)

**Supplementary figure S6.** 13C NMR (MeOD) spectrum of ***1-Decylbiguanidium chloride*** (C10Cl)

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**Supplementary figure S7.** 1H NMR (DMSO-d6) spectrum of ***1-Dodecylbiguanidium chloride*** salt (C12Cl)

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**Supplementary figure S8.** 13C NMR (MeOD) spectrum of ***1-Dodecylbiguanidium chloride*** salt (C12Cl)

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**Supplementary figure S9.** 1H NMR (DMSO-d6) spectrum of ***1-Tetradecylbiguanidium chloride*** (C14Cl)

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**Supplementary figure S10.** 13C NMR (MeOD) spectrum of ***1-Tetradecylbiguanidium chloride*** (C14Cl)

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**Supplementary figure S11.** 1H NMR (DMSO-d6) spectrum of 1***1-+Hexadecylbiguanidium chloride*** (C16Cl)

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**Supplementary figure S12.** 13C NMR (MeOD) spectrum of ***1-Hexadecylbiguanidium chloride*** (C16Cl)

# **Bacterial membrane depolarization**

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**Supplementary figure S13.** Depolarization assay on *E. coli* DH5α. Alkylbiguanidium salts were injected at 50 sec at 100 µg/ml and each value is the average of three independent experiments.

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**Supplementary figure S14.** Depolarization assay on *B. thuringiensis* HD073. Alkylbiguanidium salts were injected at 50 sec at 100 µg/ml and each value is the average of three independent experiments.