**Supporting Information**

Membrane Permeabilization and Perturbation Induced by Alkylbiguanidium Salts

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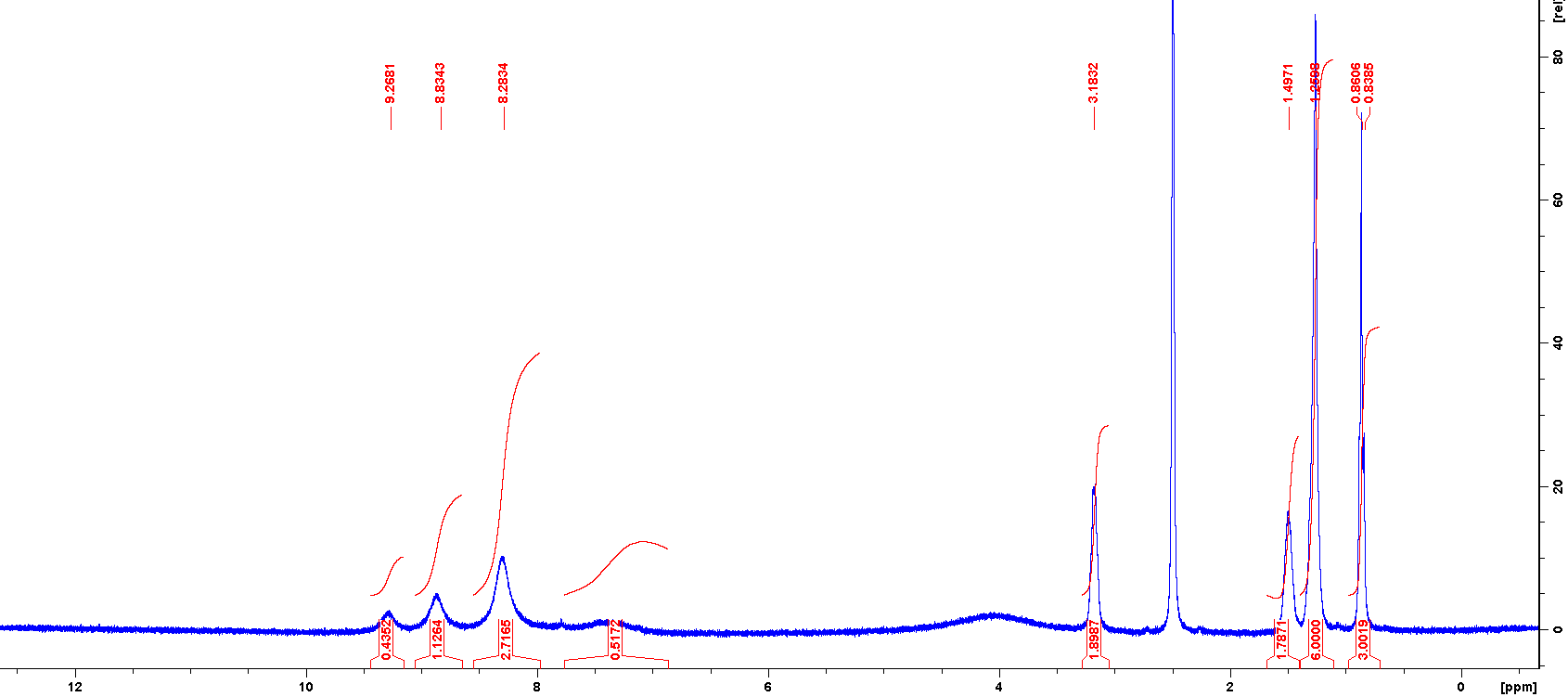
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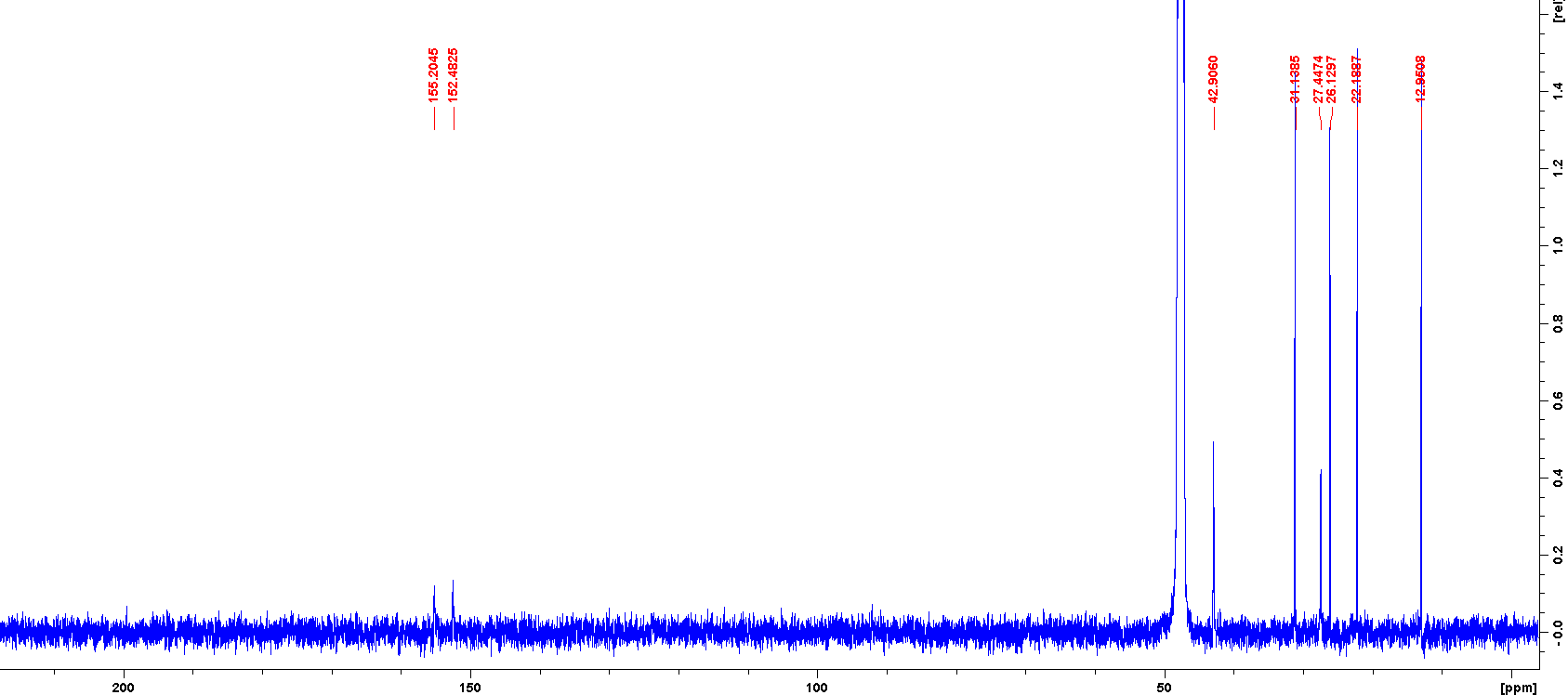
[**Bacterial membrane depolarization** 9](#_Toc520887593)

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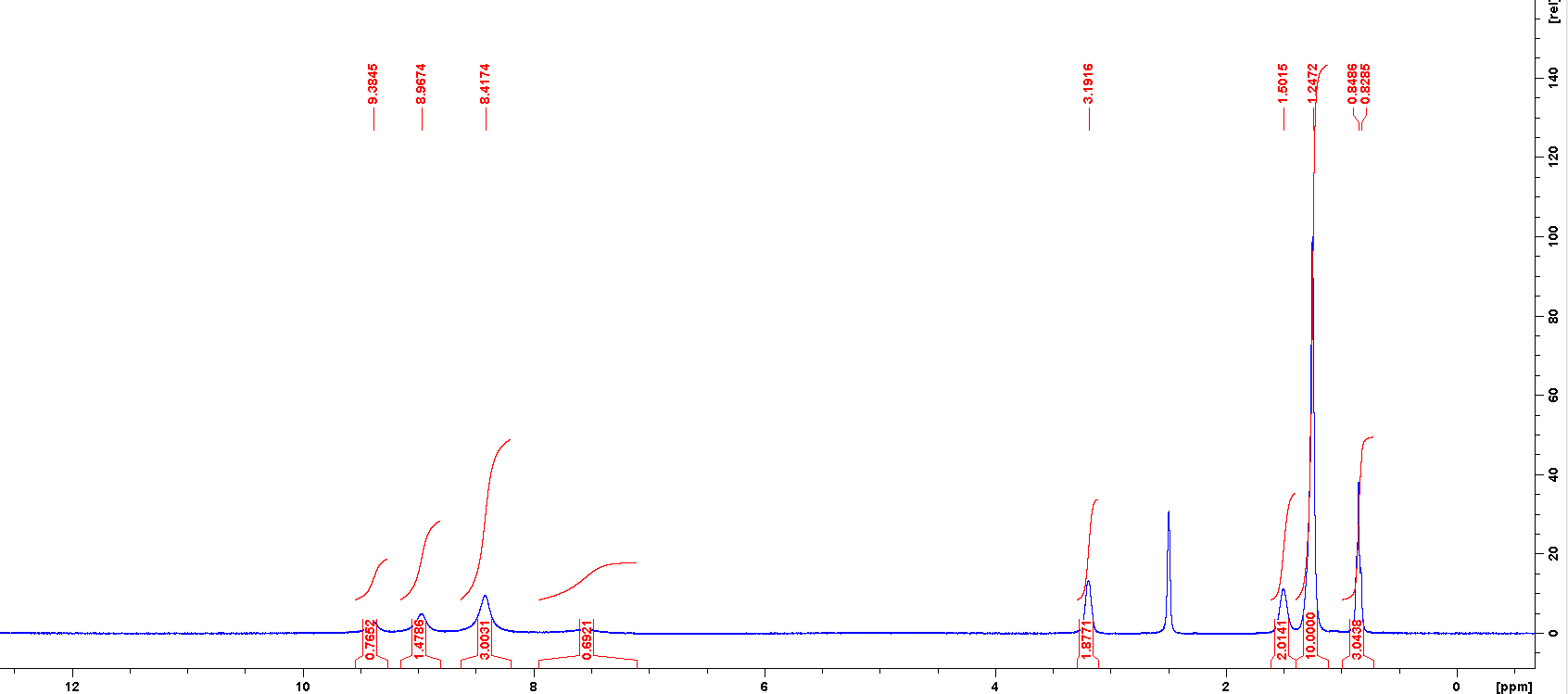
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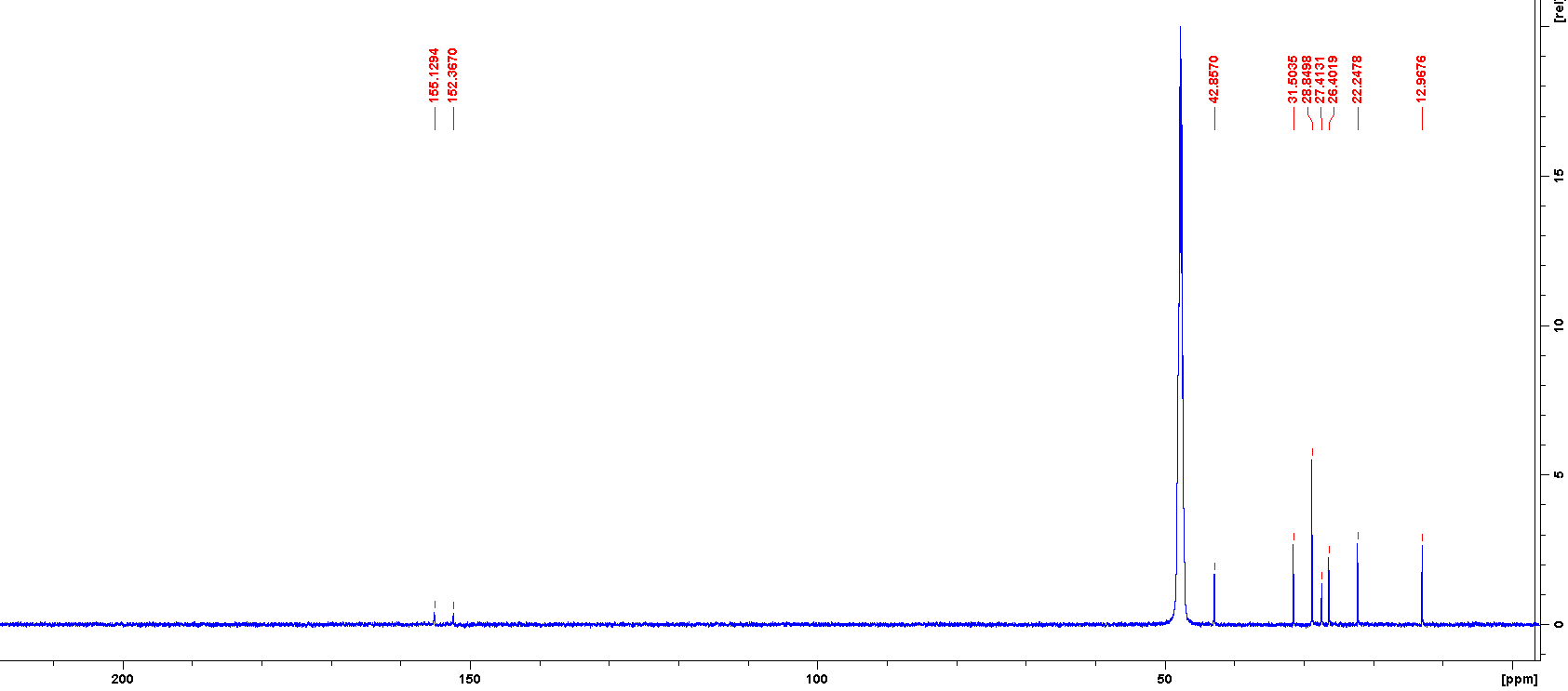
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**Supplementary figure S1.** 1H NMR (DMSO-d6) spectrum of 1***1-Hexylbiguanidium chloride***  (C6Cl)

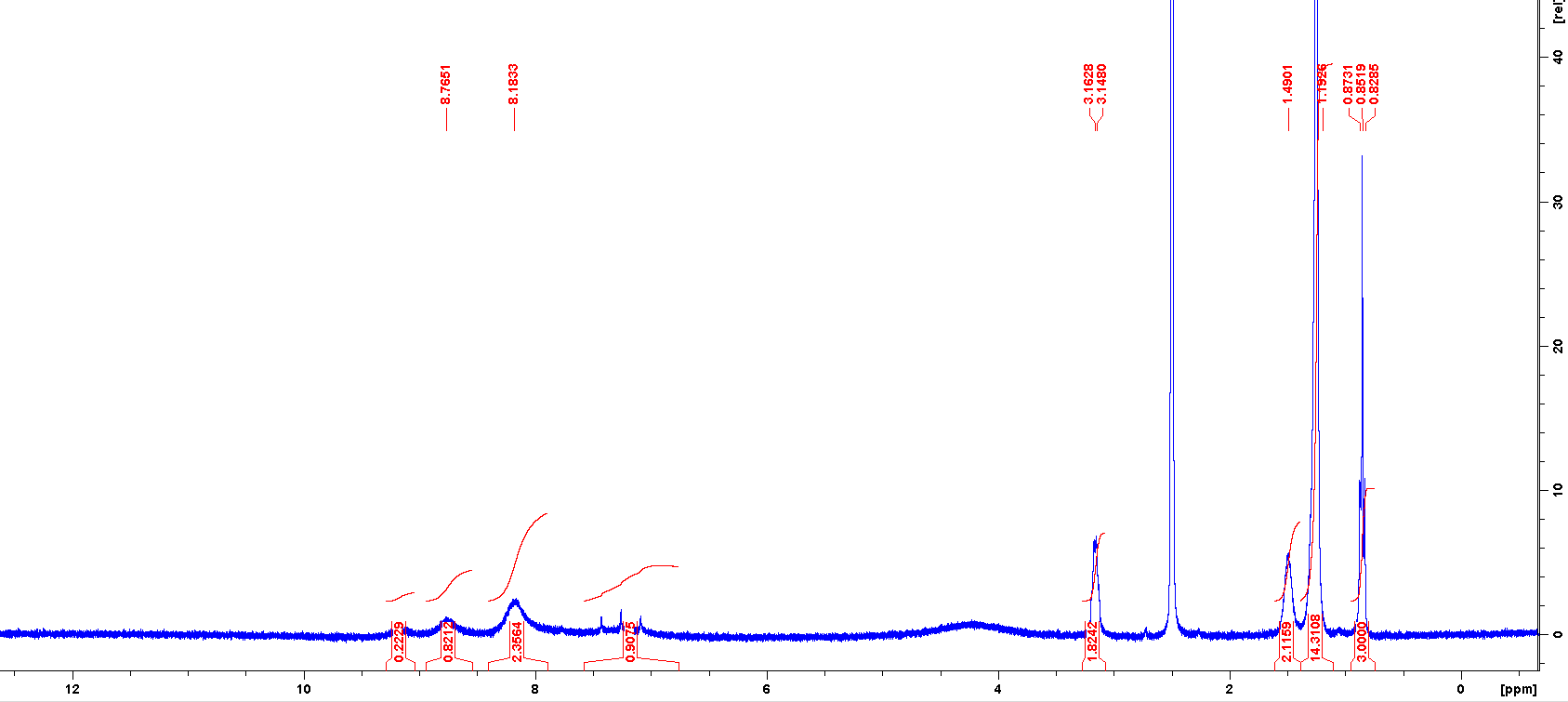
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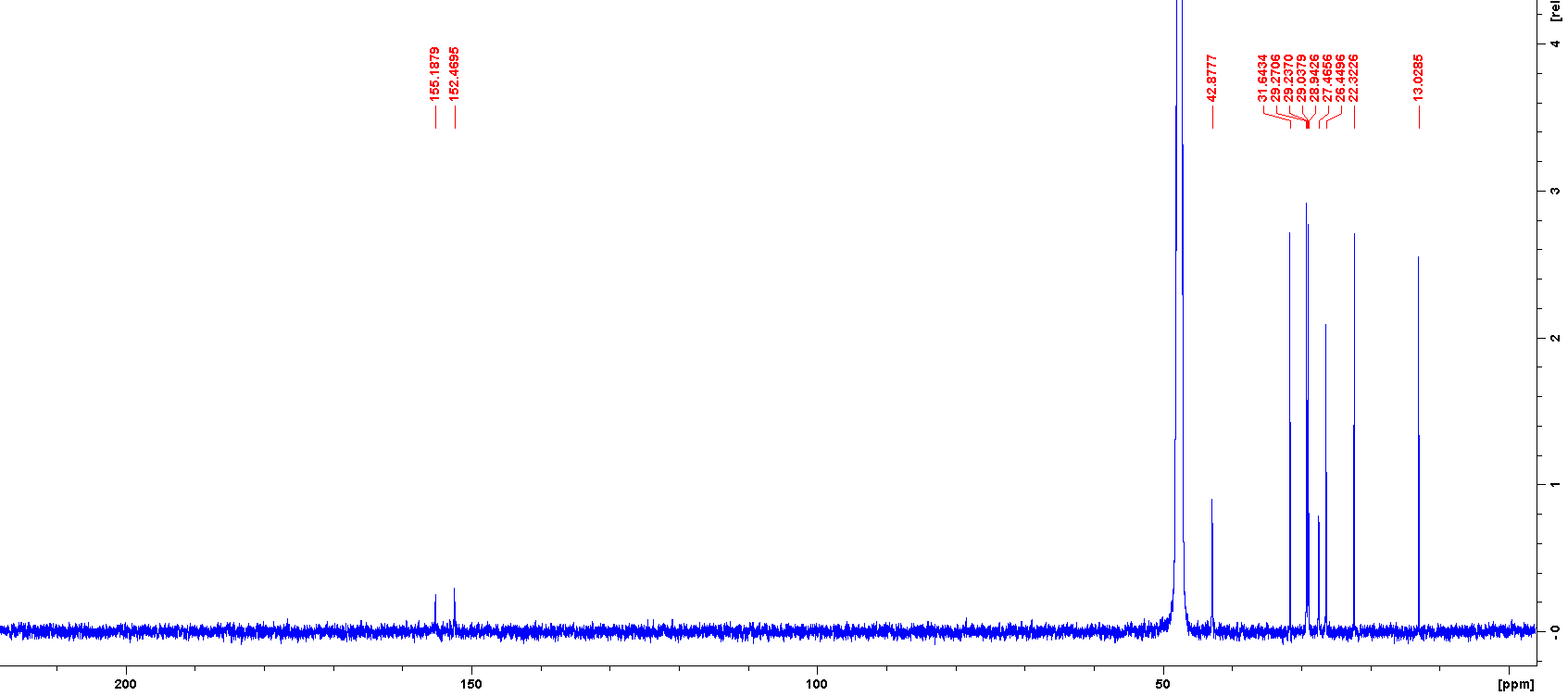
**Suplementary figure S2.** 13C NMR (MeOD) spectrum of 1***1-Hexylbiguanidium chloride*** (C6Cl)

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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)

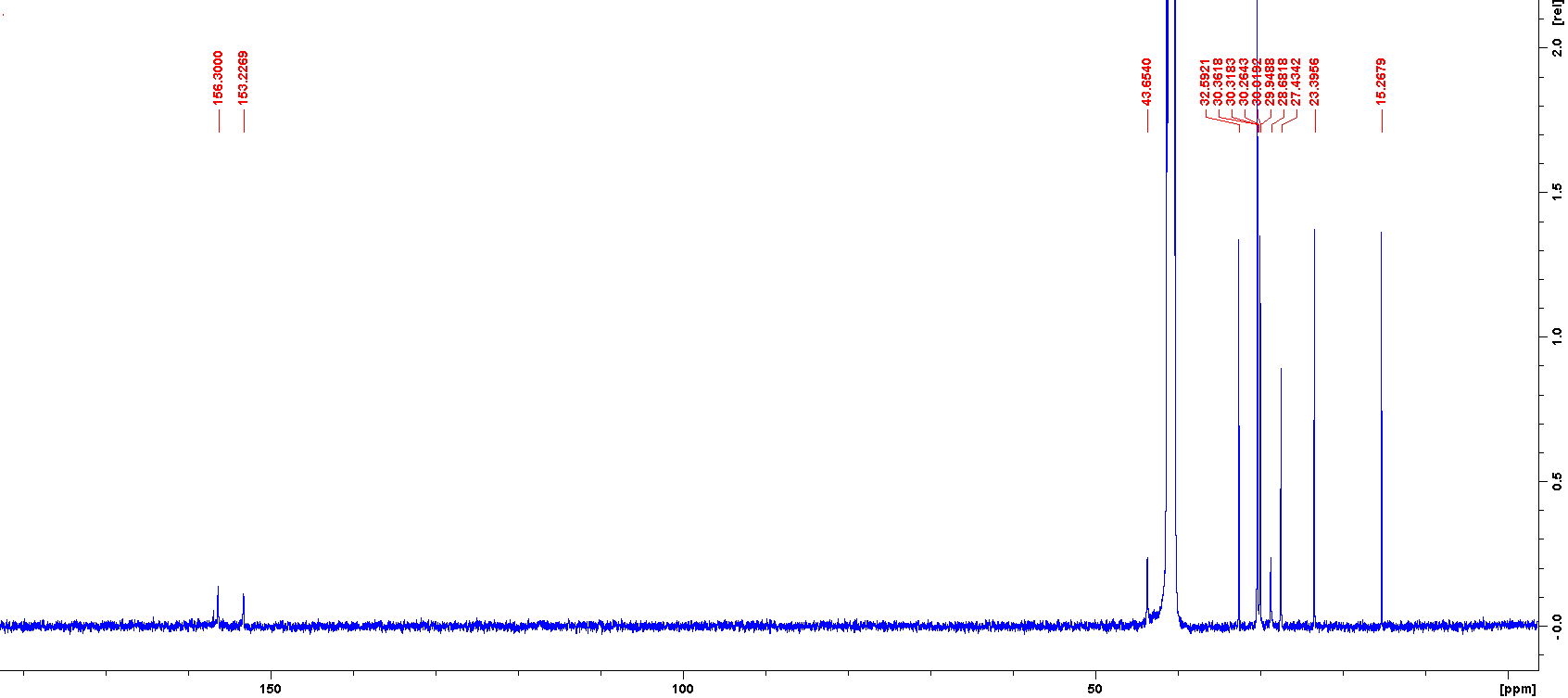
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**Supplementary figure S5.** 1H NMR (DMSO-d6) spectrum of ***1-Decylbiguanidium chloride*** (C10Cl)

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

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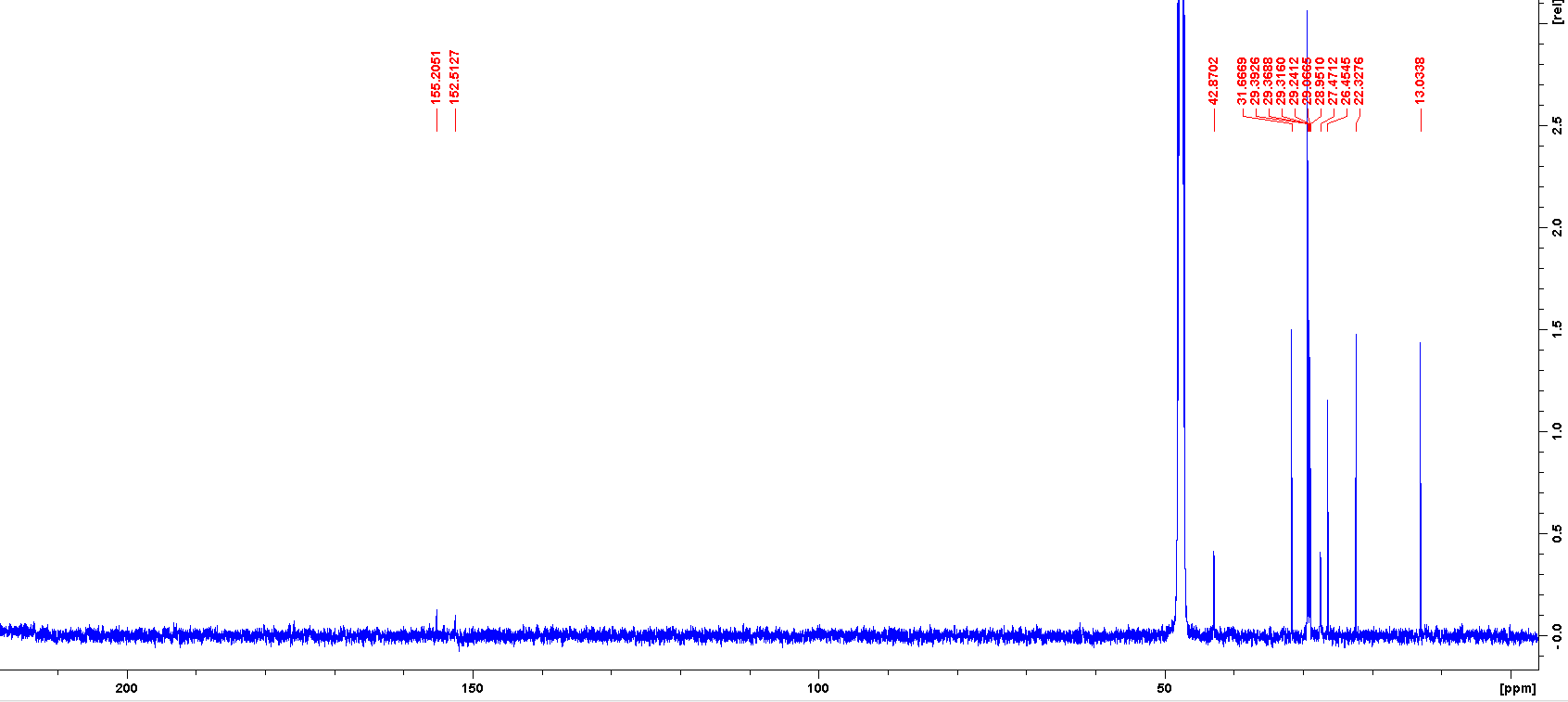
**Supplementary figure S7.** 1H NMR (DMSO-d6) spectrum of ***1-Dodecylbiguanidium chloride*** salt (C12Cl)

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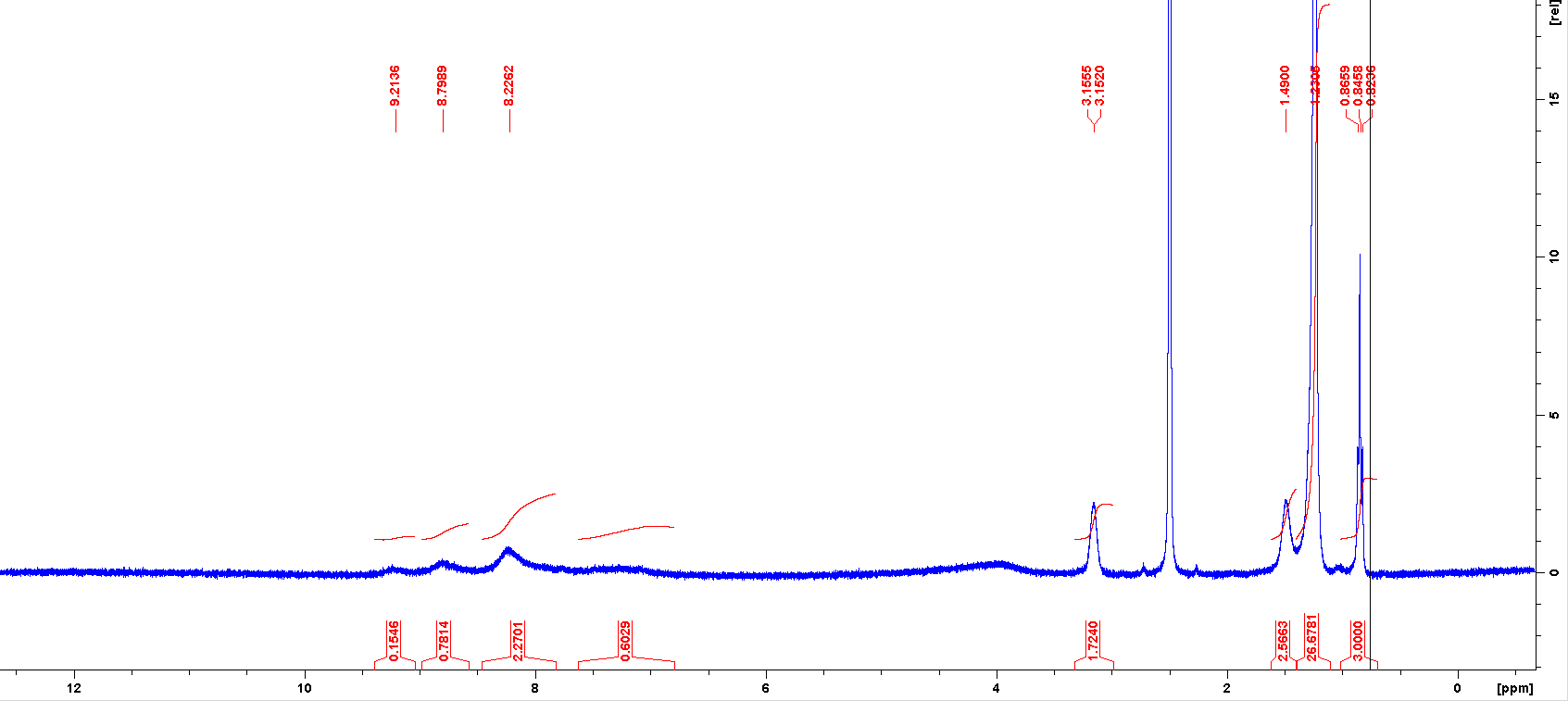
**Supplementary figure S8.** 13C NMR (MeOD) spectrum of ***1-Dodecylbiguanidium chloride*** salt (C12Cl)

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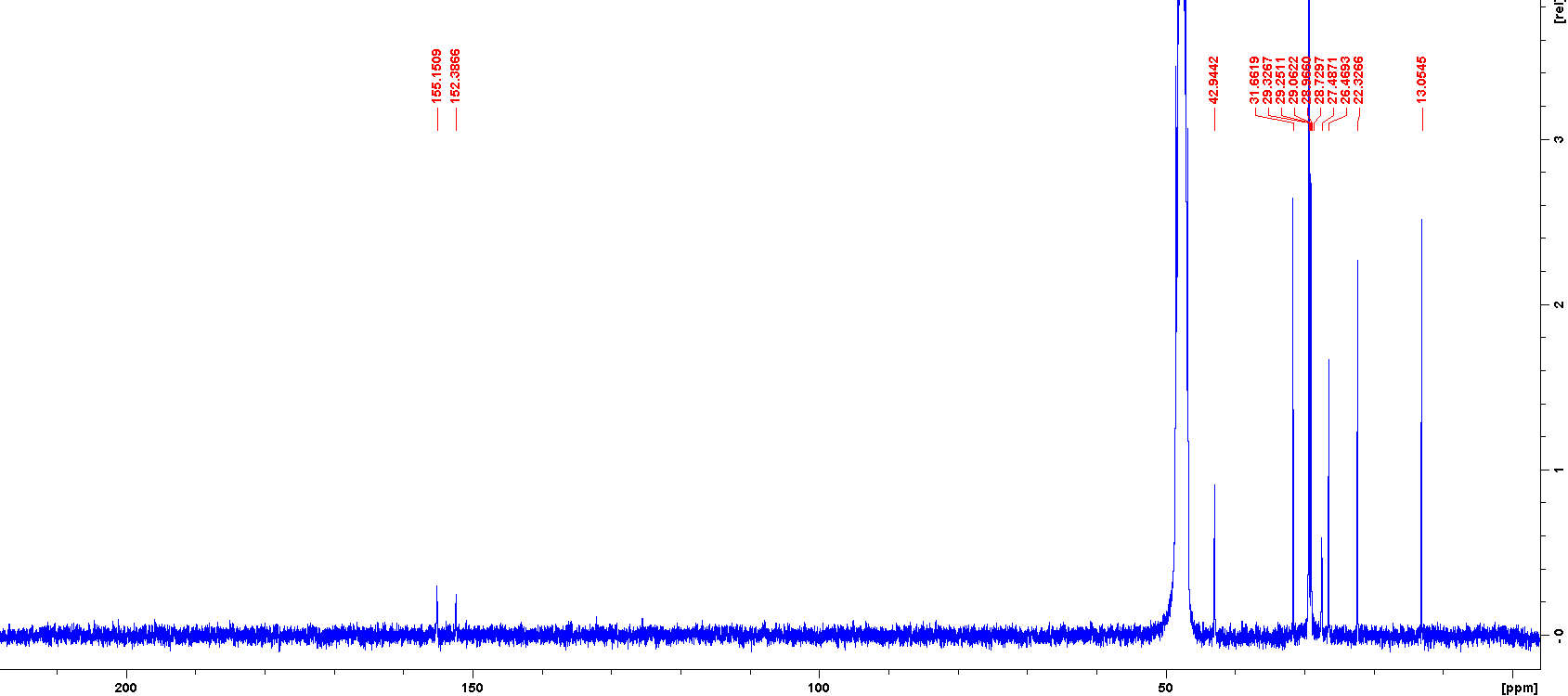
**Supplementary figure S9.** 1H NMR (DMSO-d6) spectrum of ***1-Tetradecylbiguanidium chloride*** (C14Cl)

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

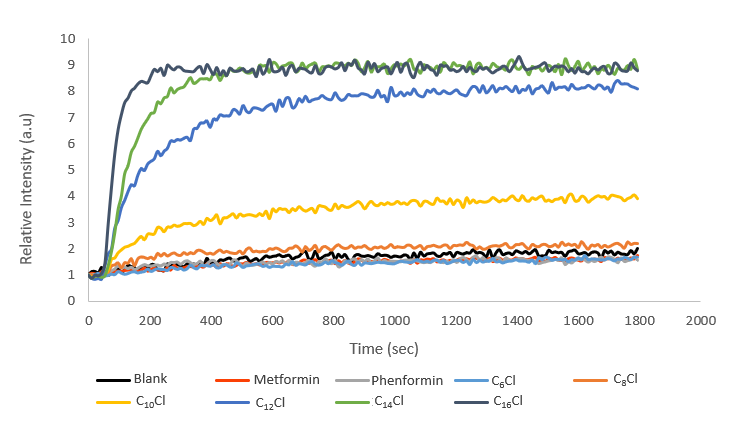
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**Supplementary figure S11.** 1H NMR (DMSO-d6) spectrum of 1***1-+Hexadecylbiguanidium chloride*** (C16Cl)

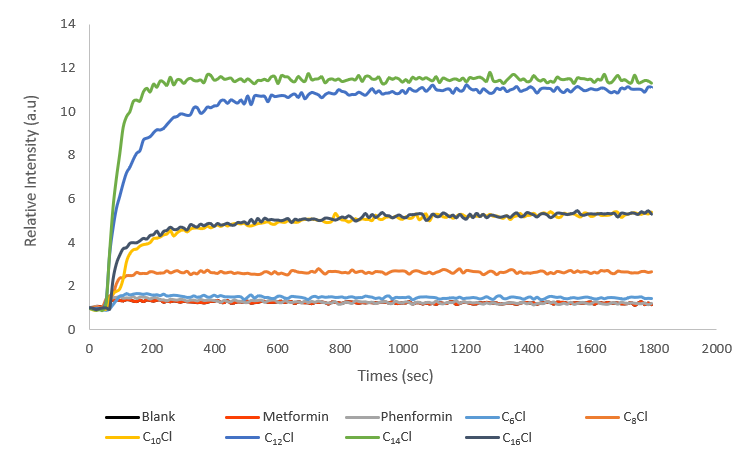
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**Supplementary figure S12.** 13C NMR (MeOD) spectrum of ***1-Hexadecylbiguanidium chloride*** (C16Cl)

# **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.