Analysis of Parasitic Protozoa at the Single-cell Level using Microfluidic Impedance Cytometry

J.S. McGrath, C. Honrado, D. Spencer, B. Horton, H.L. Bridle and H. Morgan

Scientific Reports 2017

The dataset contains the experimental data and Matlab codes needed to generate the figures of the article. In particular:

- "Figure4.mat" and "Figure4.m", corresponding to the experimental data and code, respectively, to plot figure 4;
- "Figures_5_S2.mat", "Figure5.m" and"FigureS2.m", corresponding to the experimental data and code, respectively, to fit the relaxation curves and plot both figure 5 and S2;
- "Figure6.mat" and "Figure6.m", corresponding to the experimental data and code, respectively, to plot figure 6;
- "Figure7.mat" and "Figure7.m", corresponding to the experimental data and code, respectively, to plot figure 7;
- "Figure8.mat" and "Figure8.m", corresponding to the experimental data and code, respectively, to plot figure 8;
- "FigureS1.mat" and "FigureS1.m", corresponding to the experimental data and code, respectively, to plot figure S1;
- "FigureS3.mat" and "FigureS3.m", corresponding to the experimental data and code, respectively, to plot figure S3;
- "FigureS4.mat" and "FigureS4.m", corresponding to the experimental data and code, respectively, to plot figure S4;

Extract the ".mat" (data) and ".m" (code) to the same directory. Run the script files in Matlab 2016 (or later) to generate the plots corresponding to each figure.