Electronic Supplementary Material (ESI) for Soft Matter
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Supporting information

Non-Specific Interactions between Soluble Proteins and Lipids Induce Irreversible Changes in the Properties of Lipid Bilayers

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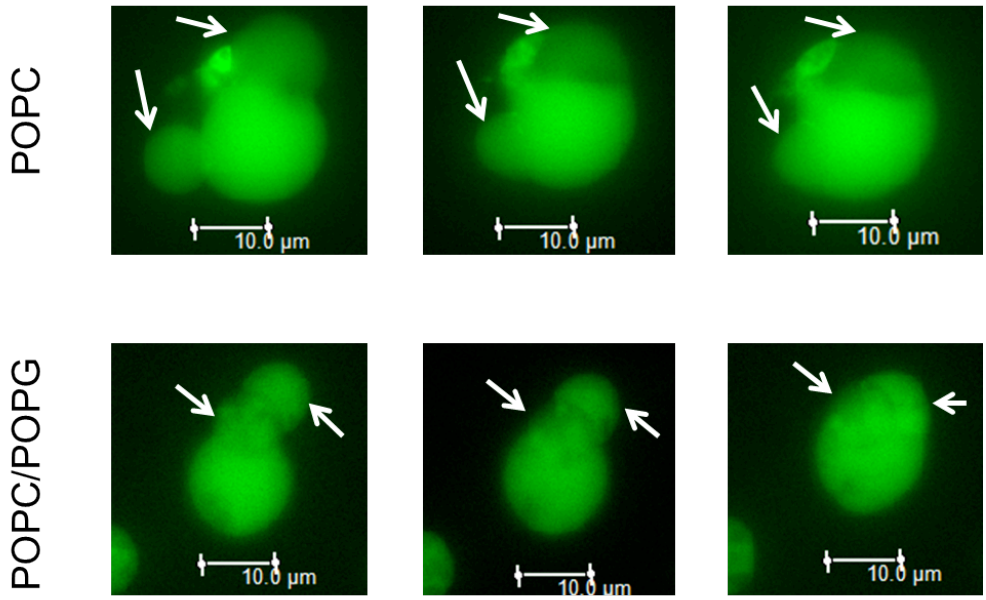

Figure SI1. Progress of vesicles fusion caused by Lysozyme. Arrows indicate vesicles that were in the process of fusing with others.

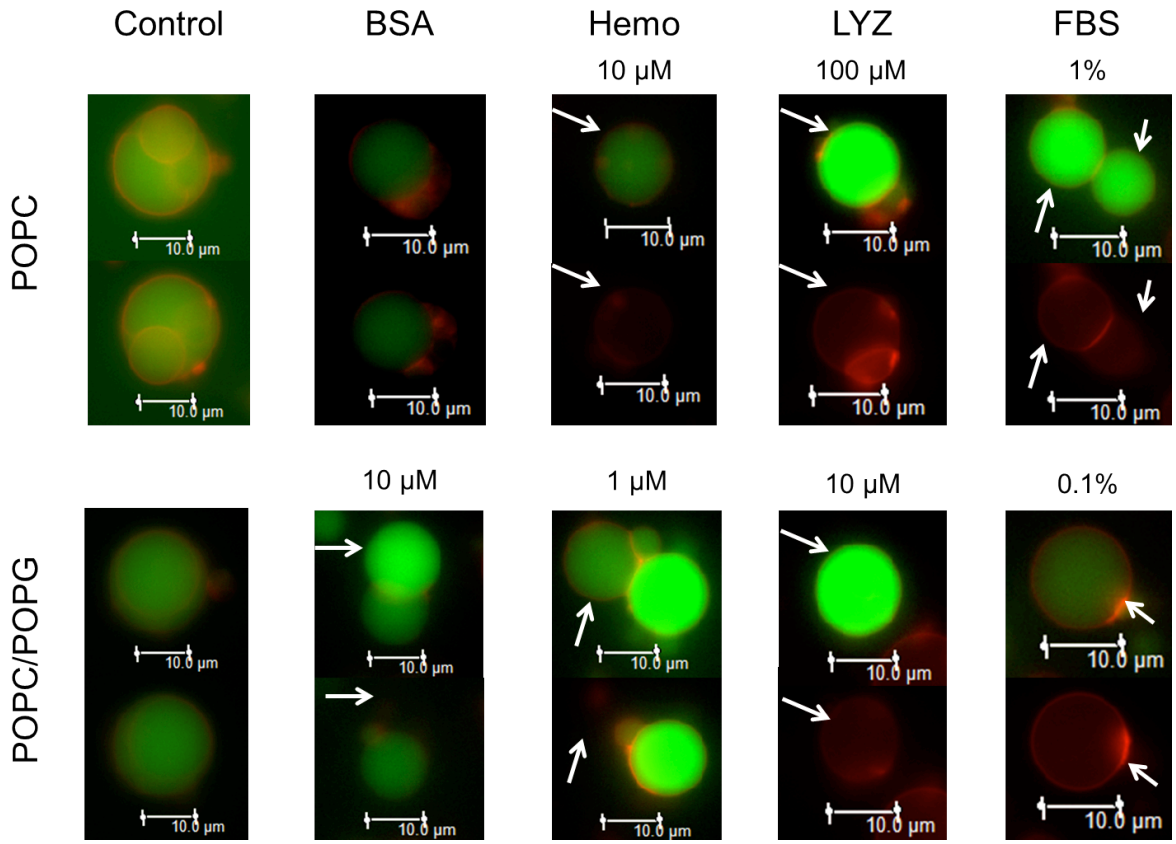

Figure SI2. Microscopy images of GUVs leakage induced by proteins studied BSA, Hemoglobin, Lysozyme and FBS. Arrows indicate the same vesicles before and after dye leakage.

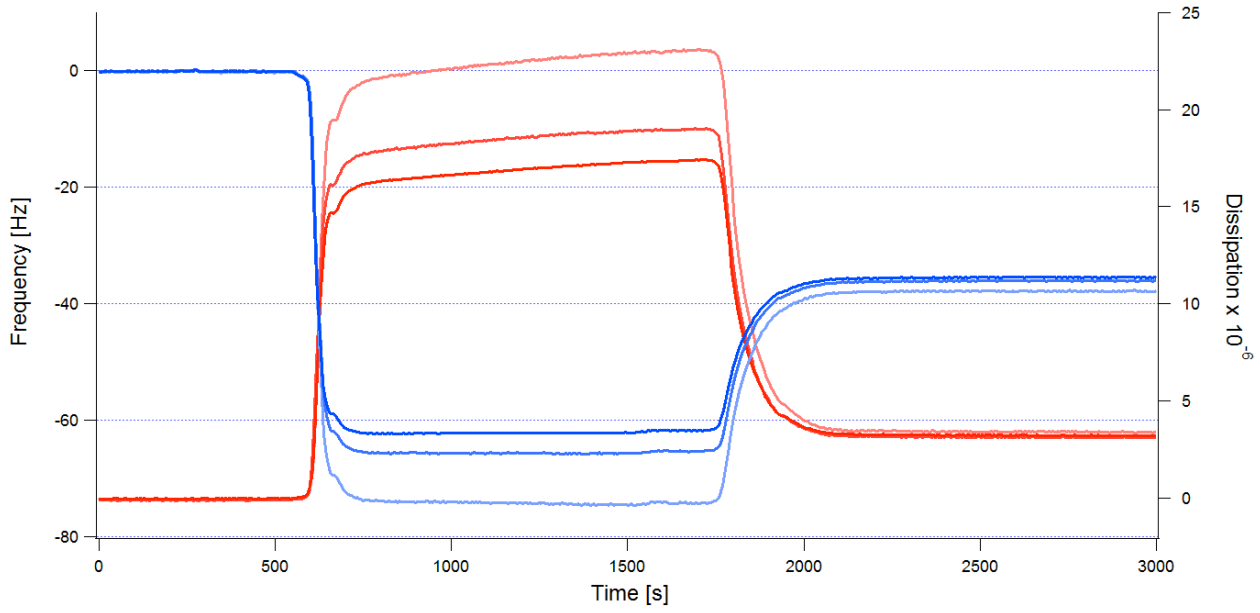

Figure SI3. QCM-D responses for the adsorption of 1 mM BSA (s=600) on silica surfaces and washed with PBS (s=1900).

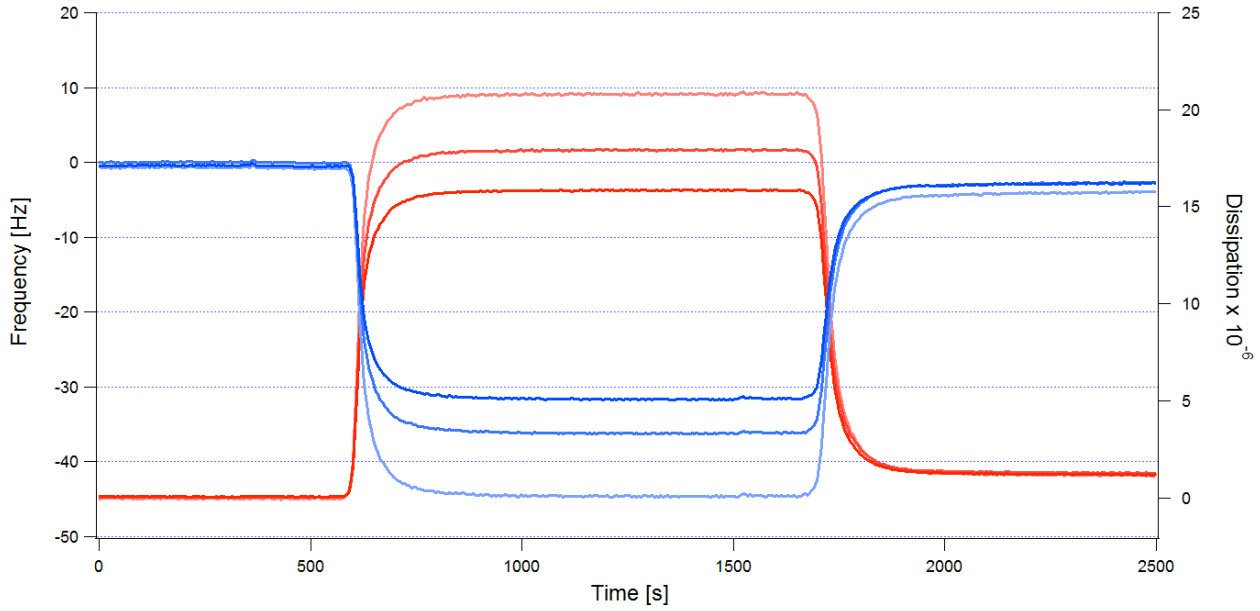

Figure SI4. QCM-D responses for the adsorption of 1 mM BSA (s=600) on POPC/POPG surfaces and washed with PBS (s=1900).

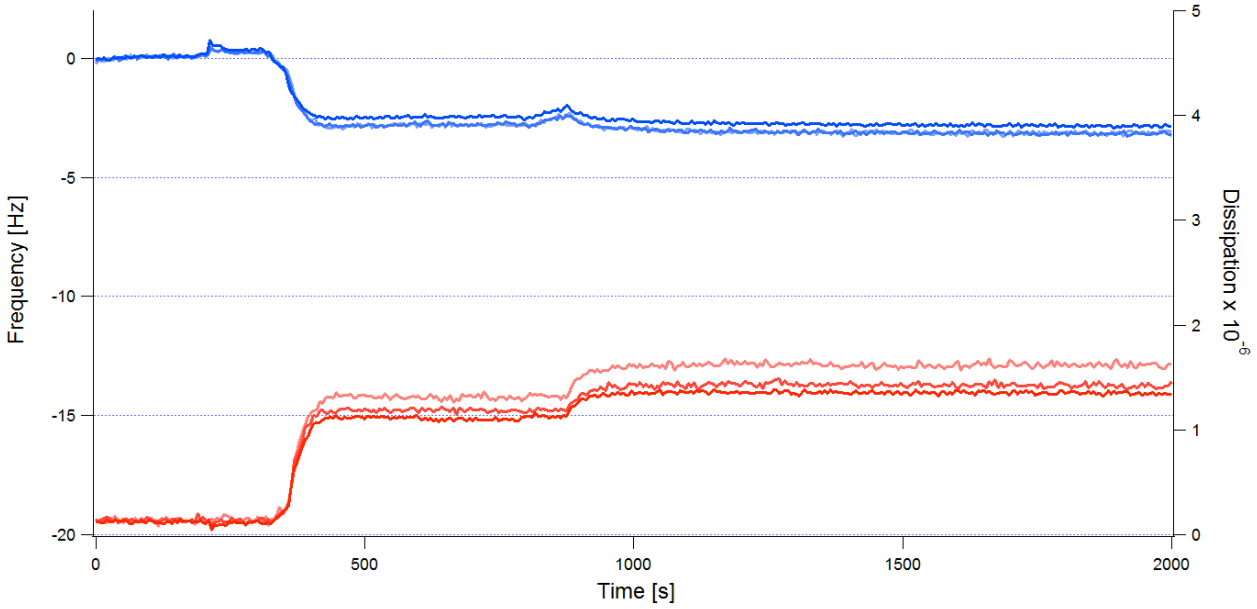

Figure SI5. QCM-D responses for the adsorption of 10 μM BSA (s=400) on POPC/POPG surfaces.

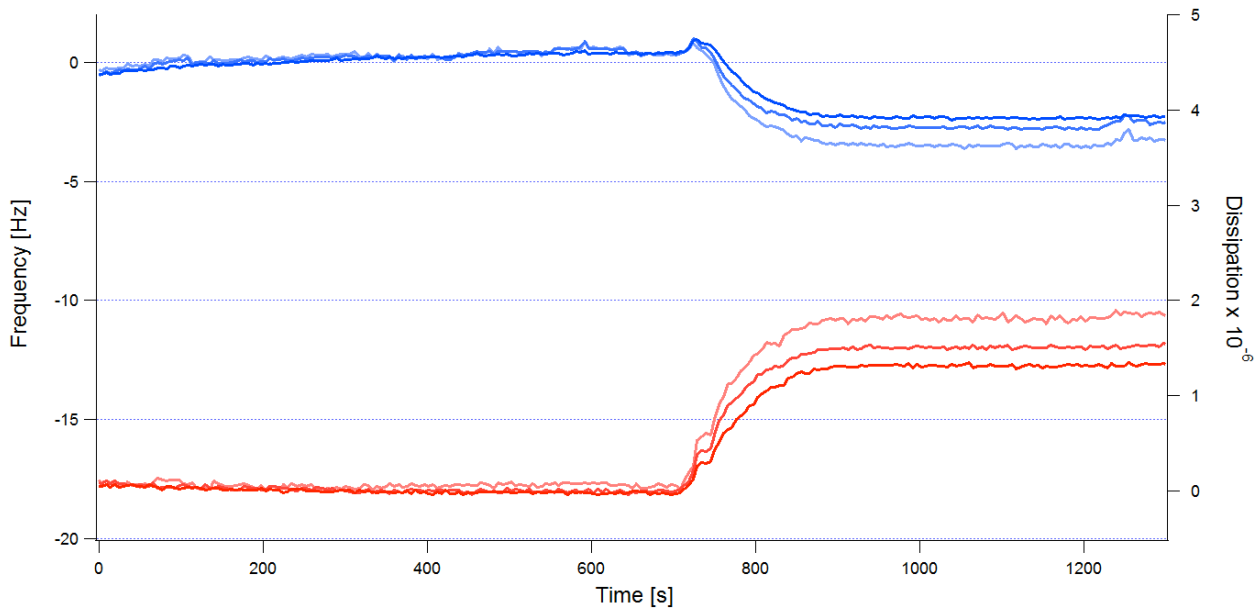

Figure SI6. QCM-D responses for the adsorption of 100 μM BSA (s=400) on POPC surfaces.

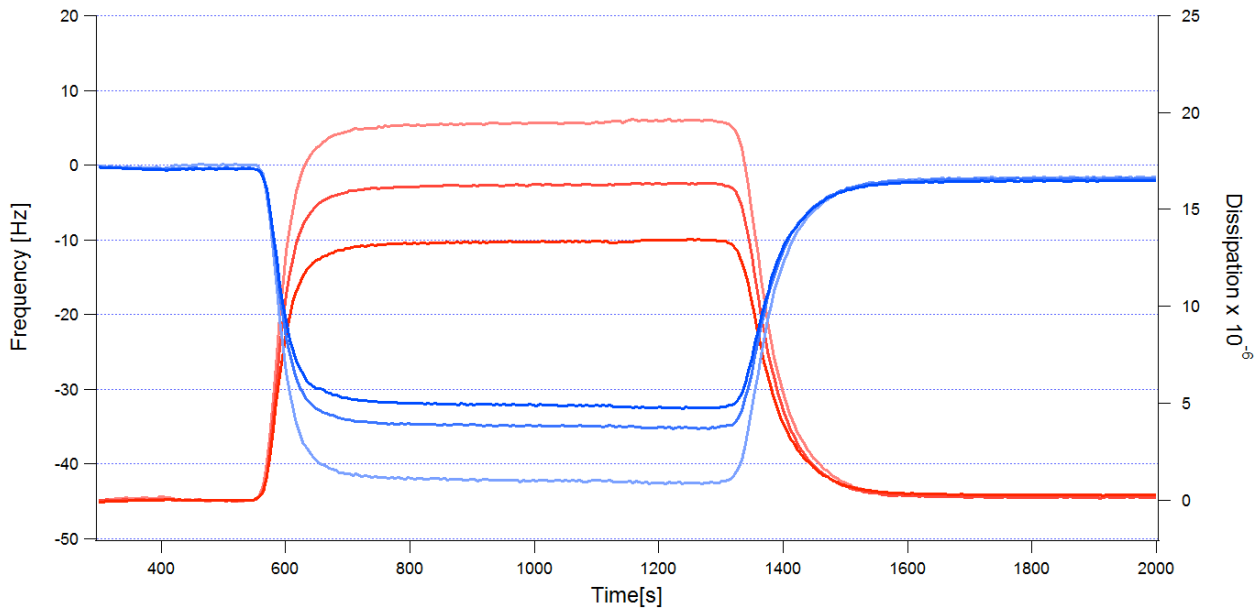

Figure SI7. QCM-D responses for the adsorption of 1mM BSA (s=600) on POPC surfaces and washing with PBS (s=1400).

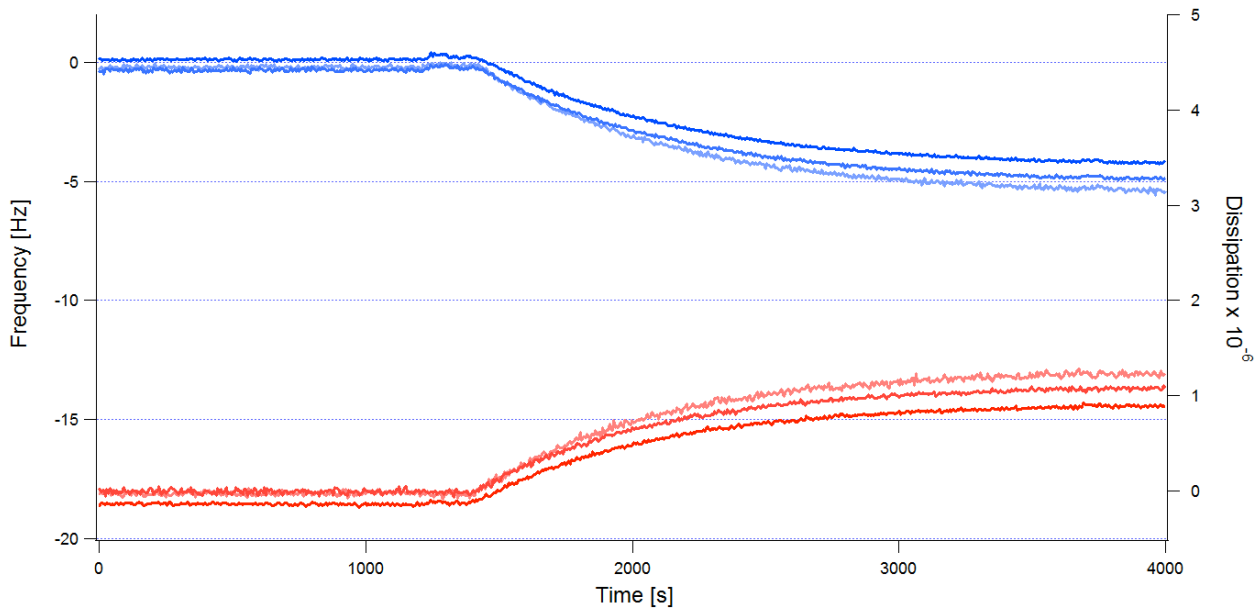

Figure SI8. QCM-D responses for the adsorption of 0.1% FBS (s=1300) on POPC/POPG surfaces.

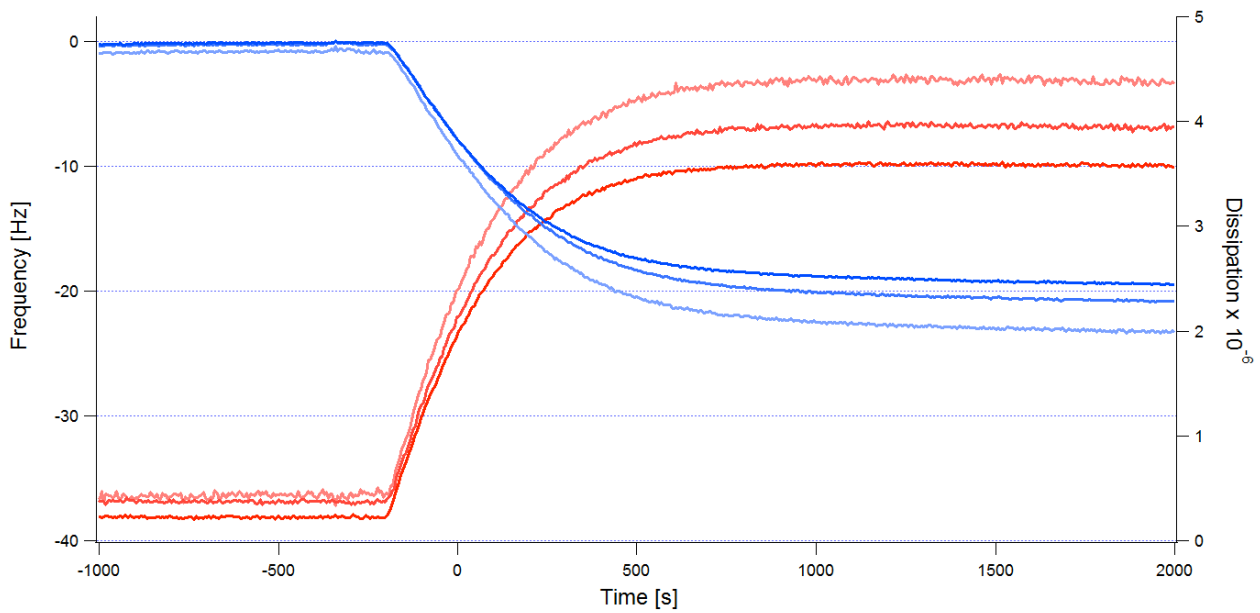

Figure SI9. QCM-D responses for the adsorption of 1% FBS (s=0) on POPC surfaces.

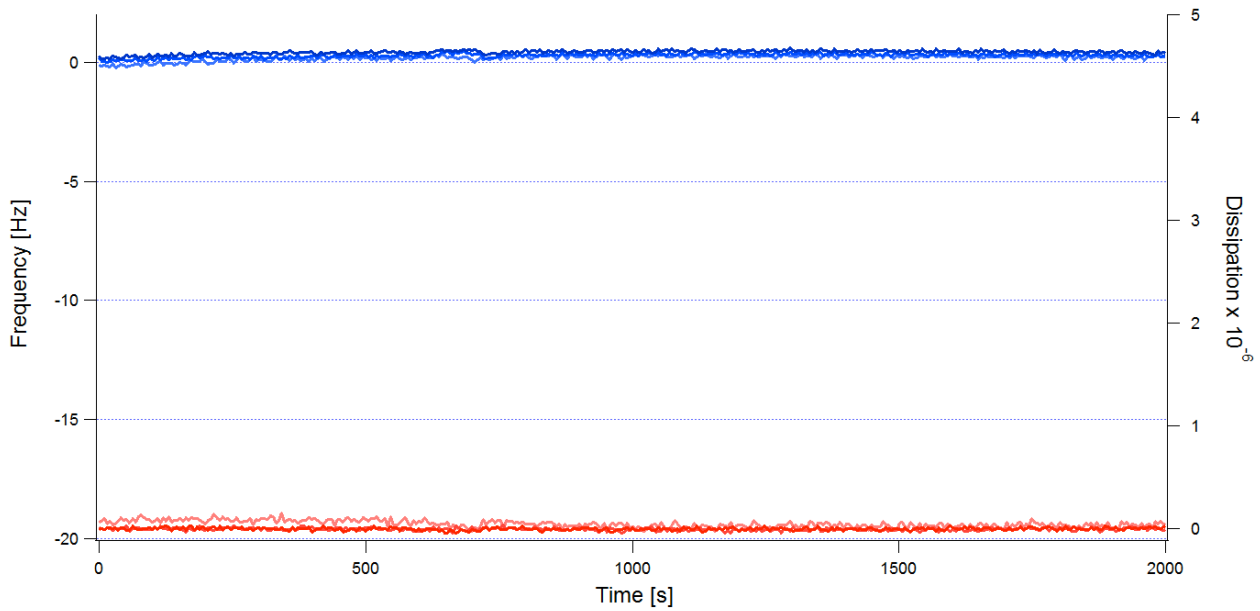

Figure SI10. QCM-D responses for the adsorption of 10 μM Hemoglobin (s=500) on POPC/POPG surfaces.

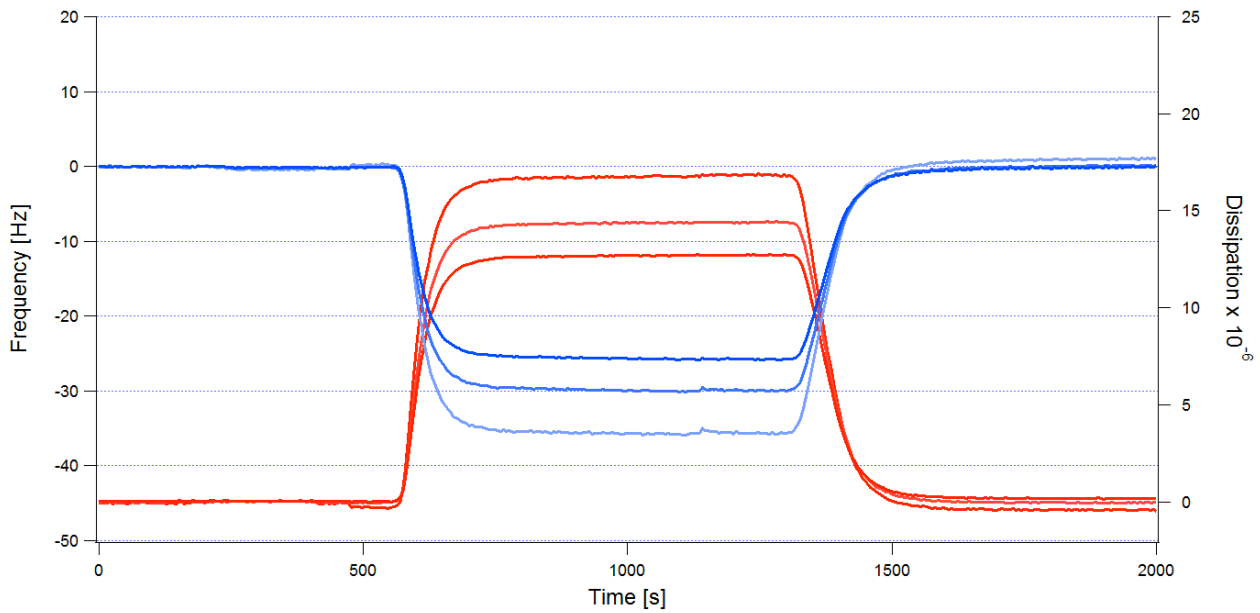

Figure SI11. QCM-D responses for the adsorption of 1mM Hemoglobin (s=600) on POPC surfaces and washing with PBS (s=1400).

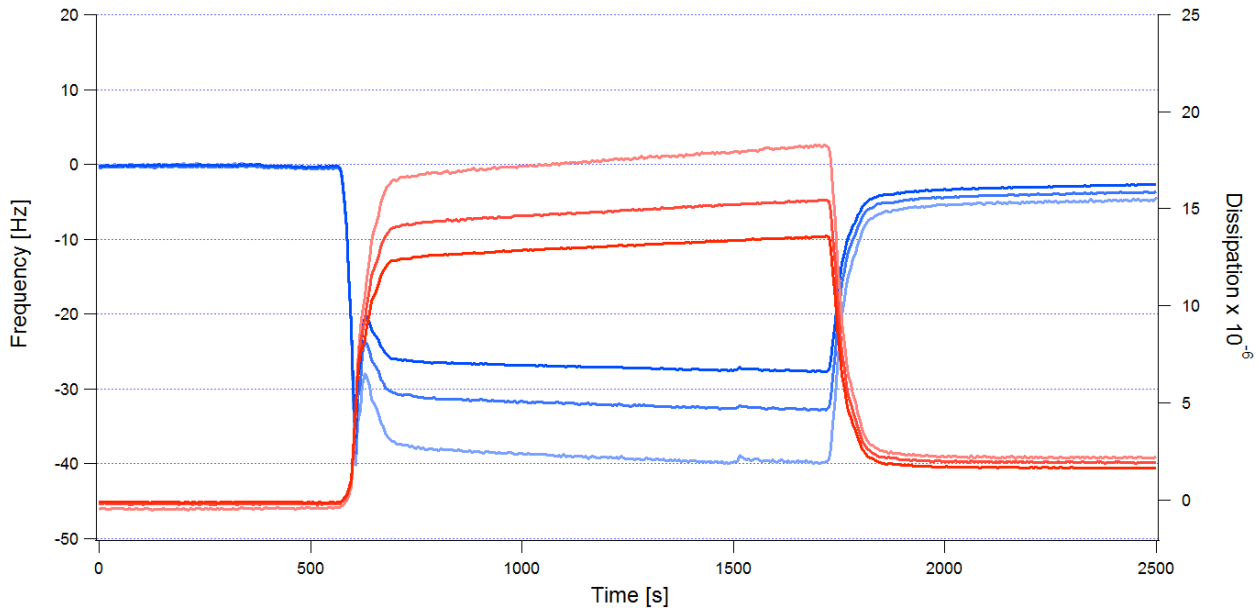

Figure SI12. QCM-D responses for the adsorption of 1mM Hemoglobin (s=600) on POPC/POPG surfaces and washing with PBS (s=1400).

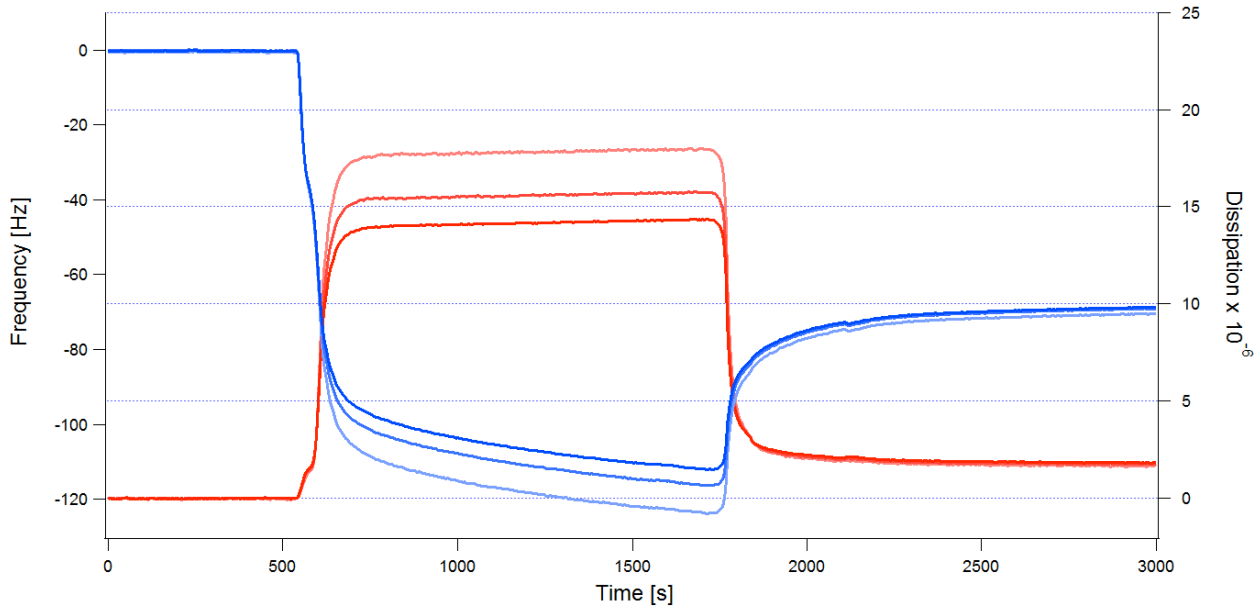

Figure SI13. QCM-D responses for the adsorption of 1mM BSA (s=600) on silica surfaces and washing with PBS (s=1400).

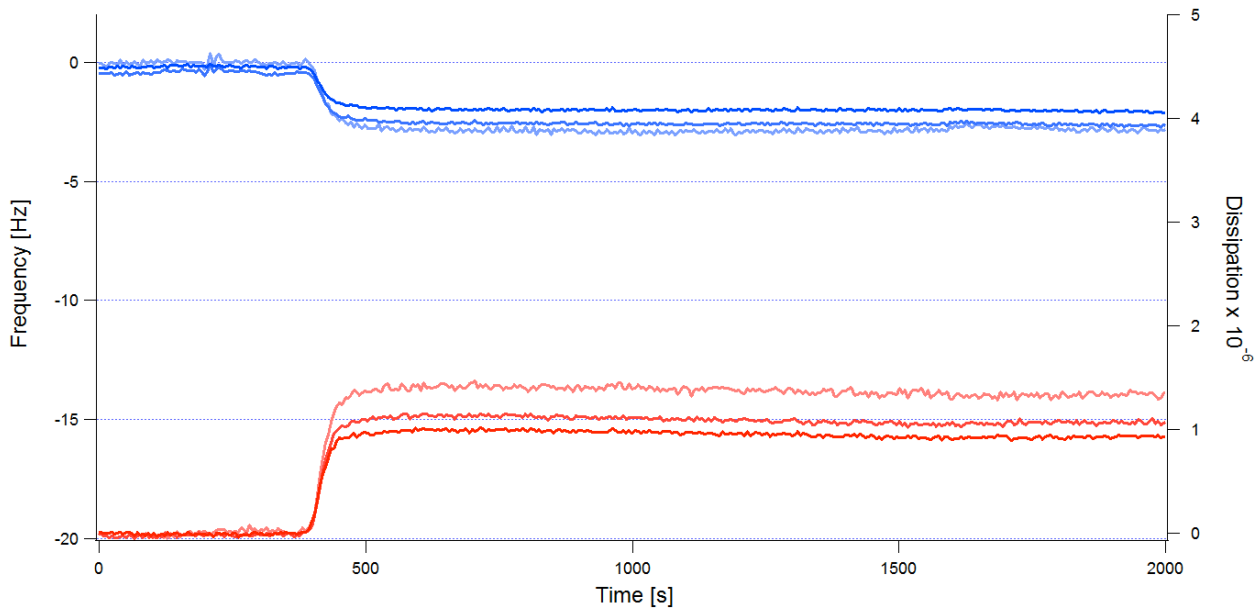

Figure SI14. QCM-D responses for the adsorption of 100 μM of Hemoglobin (s=400) on POPC/POPG surfaces.

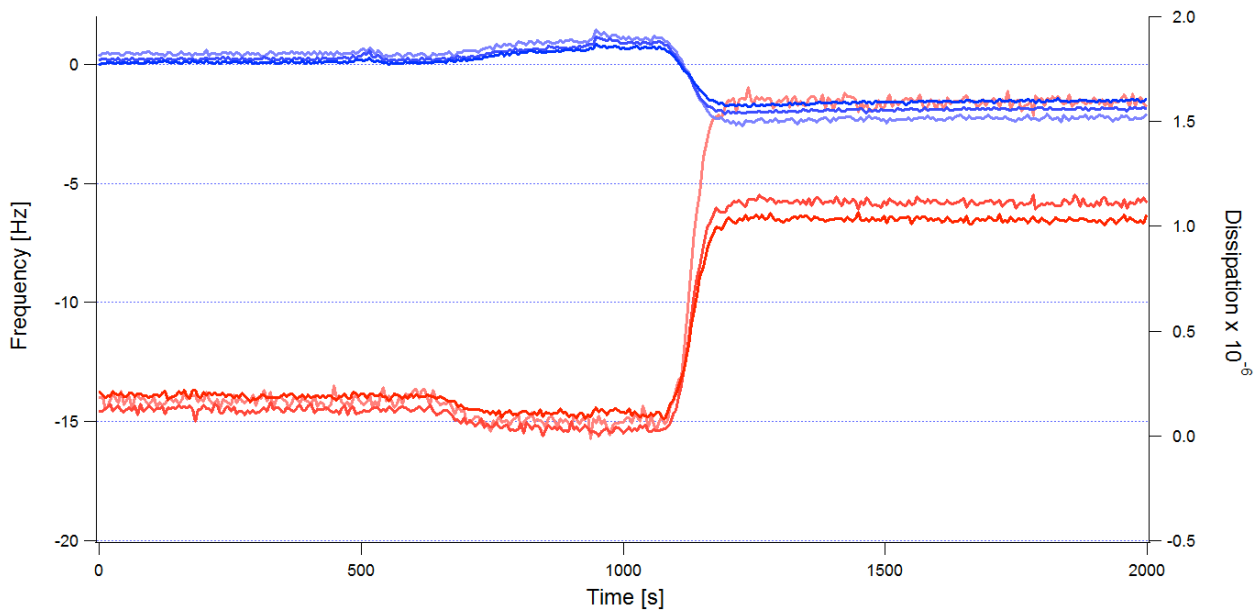

Figure SI15. QCM-D responses for the adsorption of 10 μM of Lysozyme (s=400) on POPC/POPG surfaces.

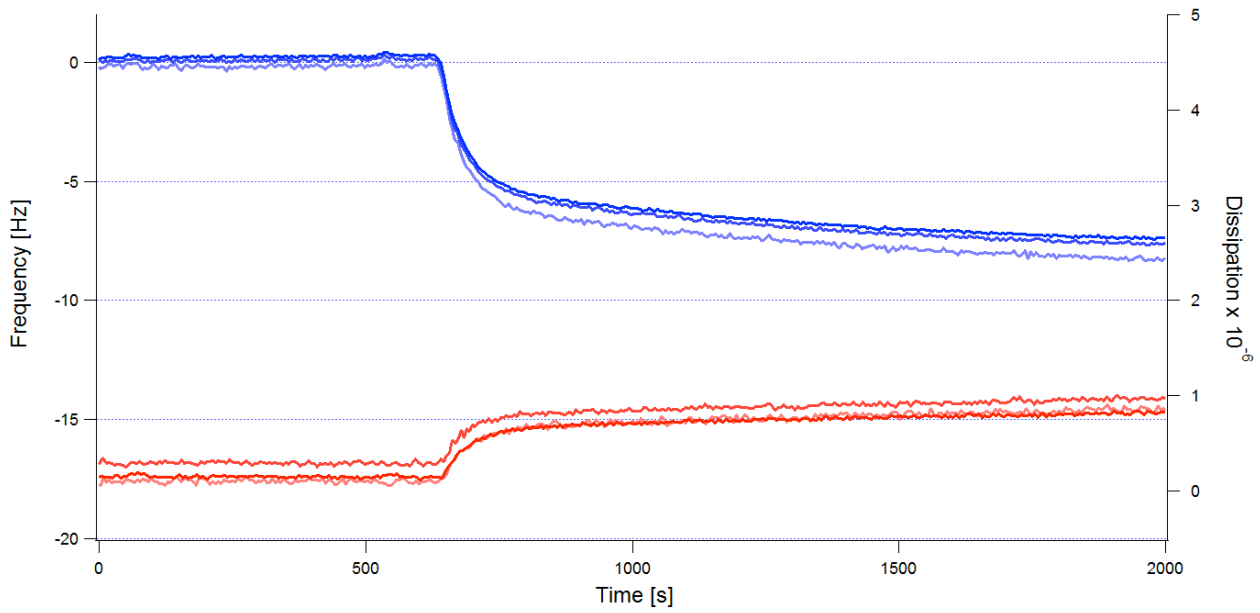

Figure SI16. QCM-D responses for the adsorption of 100 μM of Lysozyme (s=600) on POPC surfaces.

(Frequency in blue, dissipation in red, overtones showed: 5-7-9)