Supplementary Information

Synthesis, Electrochemical Characterization and Molecular Dynamics Studies of Surface Segregation of Platinum Nano-Alloy Electro catalysts

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Figure S1: Energy distributions of the 2.0 nm Pt\textsubscript{x}Co\textsubscript{1-x} (x=1,2,3) particles obtained after multiple annealing to 750 K. For each composition the dashed vertical line indicates the average energy.
Figure S2: Ratio between Co and Pt in the bulk (top) and at the surface (bottom) for all 2.0 nm Pt$_x$Co$_{1-x}$ ($x=1,2,3$) particles.

Figure S3: Atomic coordination of bulk (top) and surface (bottom) atoms for the different Pt$_x$Co$_{1-x}$ nanoparticles averaged over the 100 investigated particles.