Supplementary Information for the manuscript:

Calorimetry of extracellular vesicles fusion to single phospholipid membrane

M. Grava^a, S. Helmy^{b, c}, M.Gimona^{d, e}, P. Parisse^f, L. Casalis^g, P. Brocca^{b,*}, V. Rondelli^{b,*}

- a. Department of Physics, Università degli Studi di Milano, Italy
- b. Department of Medical Biotechnology and Translational Medicine, Università degli Studi di Milano, Italy
- c. Biophysics Group, Physics Department, Faculty of Science, Ain Shams University, Egypt
- d. GMP Unit, Spinal Cord Injury and Tissue Regeneration Center Salzburg, Paracelsus Medical University (PMU), Salzburg, Austria
- e. Research Program "Nanovesicular Therapies", Paracelsus Medical University, Salzburg
- f. CNR-IOM, Trieste, Italy
- g. Elettra Sincrotrone Trieste, Trieste, Italy

*Corresponding authors valeria.rondelli@unimi.it paola.brocca@unimi.it

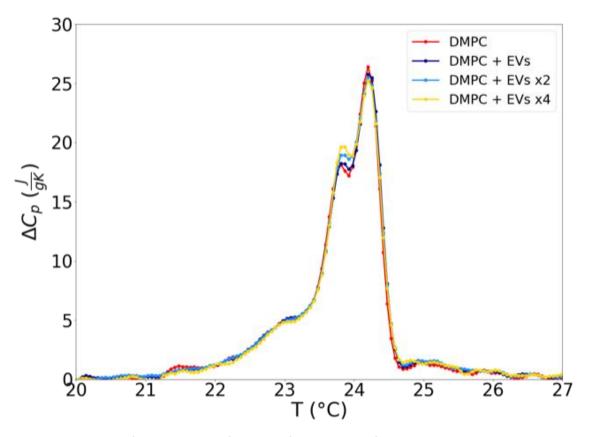


Figure 1S. Thermographs of DMPC LUVs before and after addition of EVs in increasing amounts. Heating mode after equilibration. Scan rate 1 $^{\circ}$ C / 3 min.

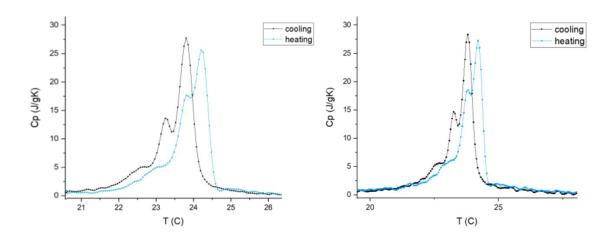


Figure 2S. Comparison of heating and cooling subsequent scans after equilibration of DMPC LUVs before (left) and after the last addition of EVs (right). Scan rate 1 $^{\circ}$ C / 3 min.