Self-assembly of Poly(ionic liquid) (PIL)-based Amphiphilic

Homopolymers into Vesicles and Supramolecular Structures with Dyes and

Silver Nanoparticles

Kasina Manojkumar,^a David Mecerreyes,^b Daniel Taton,^c Yves Gnanou^d and Kari Vijayakrishna^e* ^aDepartment of Chemistry, School of Advanced Sciences, VIT University, Vellore – 632 014, Tamil Nadu, India ^bPOLYMAT, University of the Basque Country UPV/EH U, Avda, Tolosa, 72, 20018, San Sebastian, Spain ^cLaboratoire de Chimie des Polymères Organiques, Université Bordeaux – CNRS – IPB-ENSCPB, 16 Avenue Pey-Berland, 33607 Pessac Cedex, France ^dPhysical Sciences and Engineering, Chemical Science, King Abdullah University of Science and Technology, Saudi Arabia.

*Corresponding Author

E-mail: <u>kari@vit.ac.in</u> Kari Vijayakrishna, School of Advanced Sciences, VIT University, Vellore 632014, Tamil Nadu, India Telephone: +91 416 224 2334 Fax: +91 416224 3092







Fig. S5 ¹H NMR of PIL-2 in (CD₃)₂SO

Fig. S7 ¹H NMR of PIL-4 in (CD₃)₂SO