Lipid fluorination enables phase separation from fluid phospholipid bilayers
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Supplementary information

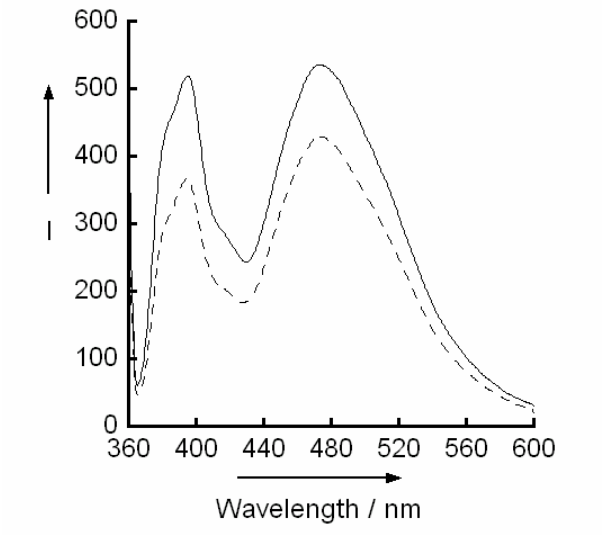

Figure S1. Emission spectra for compound **3a** in DSPC vesicles before (——) and after (- - - -) purification by gel permeation chromatography. After recording the fluorescence emission spectrum, a 1 μmol/L solution of **3a** 1 % mol/mol in DSPC vesicles was passed down a Sephadex PD 10 size exclusion column, the initial vesicle containing fraction collected and the spectrum re-recorded. The reduction in intensity observed in the post-Sephadex spectrum is due to the approx. 29 % reduction in intensity resulting from the ~1.4 fold dilution that results during this purification procedure.

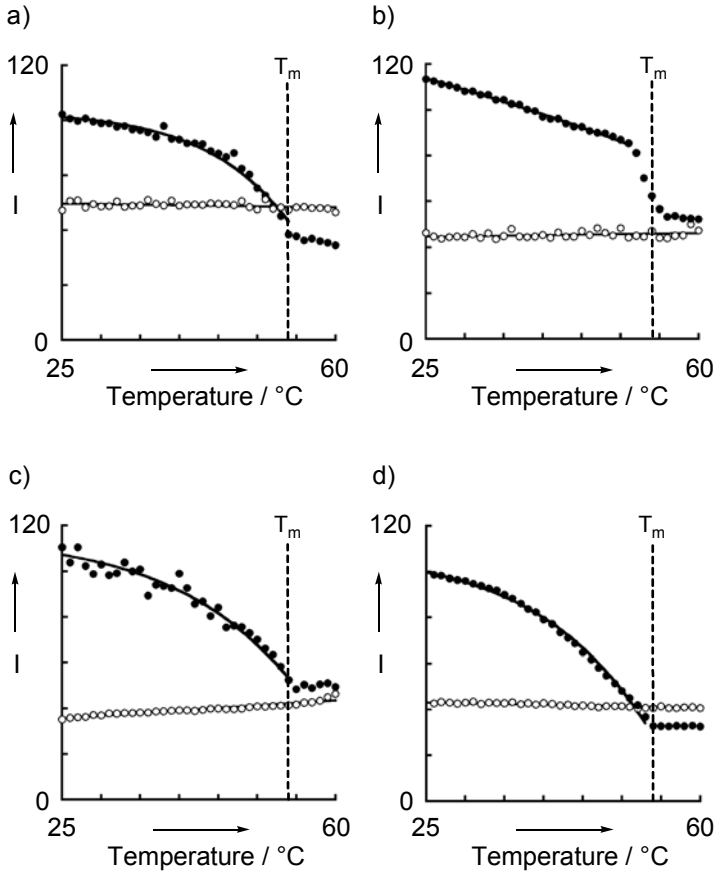

Figure S2. Absolute change in excimer emission at 480 nm with temperature for various pyrene lipids in DSPC and DMPC vesicles: a) **3a** in DSPC (●) and DMPC (○); b) **4a** in DSPC (●) and DMPC (○); c) **9a** in DSPC (●) and DMPC (○); d) **9b** in DSPC (●) and DMPC (○).

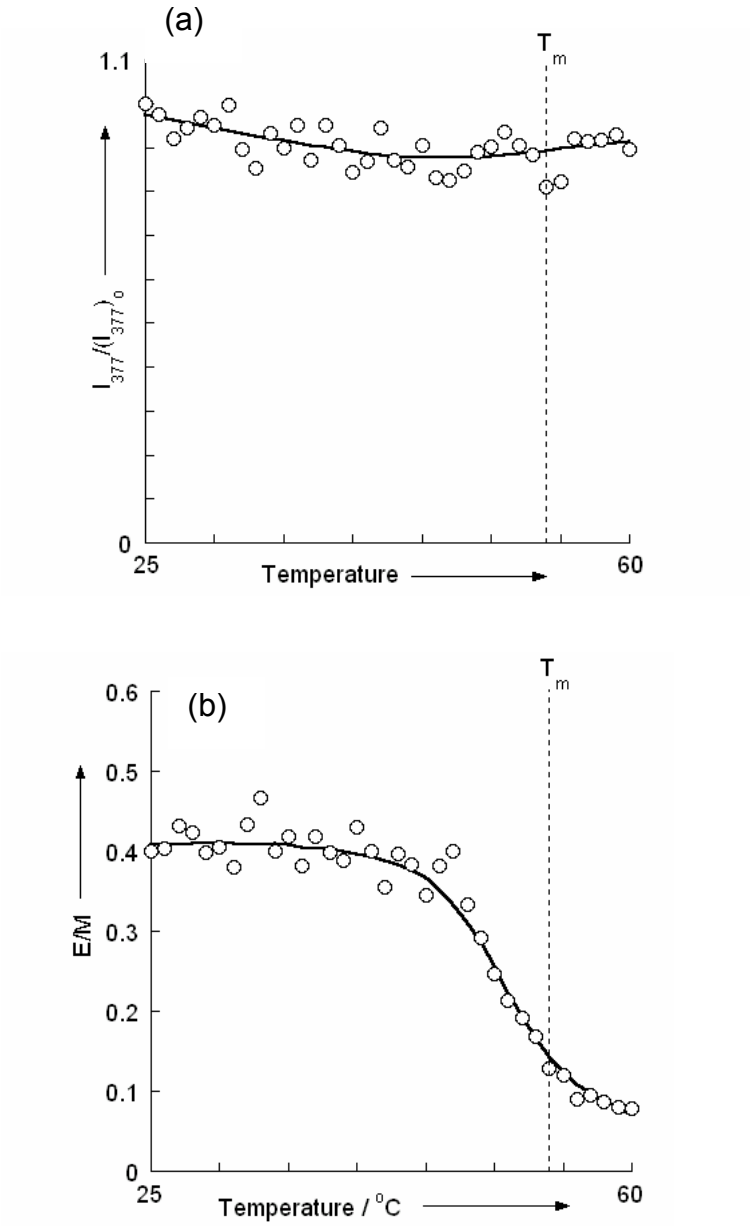

Figure S3. (a) Normalised change in monomer emission at 377 nm with temperature for lipid **3a** in DSPC vesicles: (b) Change in E/M ratio with temperature for lipid **3a** in DSPC vesicles.