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## Fluorescence lifetime-based sensing of polymersome leakage

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Supporting information



Figure S1. Second and third fluorescence lifetime during degradation of PEG<sub>114</sub>-*b*-PLA<sub>167</sub> vesicles with 15 mg/ml Proteinase K.



Figure S2. a) Relative amplitude of fluorescence lifetime  $\tau_1$  during degradation of PEG<sub>114</sub>-*b*-PLA<sub>167</sub> vesicles with 10 mg/ml Proteinase K. b) Relative amplitude of fluorescence lifetime  $\tau_2$  during degradation of PEG<sub>114</sub>-*b*-PLA<sub>167</sub> vesicles with 10 mg/ml Proteinase K. c) Overall fluorescence intensity during degradation of PEG<sub>114</sub>-*b*-PLA<sub>167</sub> vesicles with 10 mg/ml Proteinase K.