

Supporting Information

Table S1 Characteristic ^1H NMR peaks for PECP copolymers.

Peak no.	Structure unit	Peak position (ppm)	Label in Figure 2
1	$-\text{OCH}_2\text{CH}_2\text{O}-$	3.60-3.64	i
2	$-\text{COCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{O}-$	4.02-4.07	e
3	$-\text{COCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{O}-$	1.30-1.42	c
4	$-\text{COCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{O}-$	1.56-1.68	b, d
5	$-\text{COCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{O}-$	2.25-2.32	a
6	$-\text{COCH}_2\text{OCH}_2\text{CH}_2\text{O}-$	4.30-4.35	h
7	$-\text{COCH}_2\text{OCH}_2\text{CH}_2\text{O}-$	3.70-3.82	g
8	$-\text{COCH}_2\text{OCH}_2\text{CH}_2\text{O}-$	4.17-4.22	f