Nowak *et al.* Supplementary Information

Sample	M_n	M_n (calc)	X_n	M_w/M_n	%K or E	%L or V
$K_{160}L_{40}$	47,800	46,612	205	1.28	82.9	17.1
$K_{180}L_{20}$	50,300	49,534	204	1.20	91.5	8.5
$K_{160}(rac\text{-}L)_{40}$	48,100	46,612	206	1.15	81.7	18.3
$K_{90}L_{10}$	22,900	24,767	92	1.12	92.4	7.6
$K_{160}V_{40}$	48,400	45,930	211	1.30	81.9	18.1
$K_{180}V_{20}$	52,100	49,193	212	1.21	90.8	9.2
$E_{160}L_{40}$	38,200	39,732	192	1.29	79.4	20.6

Table S-1 Detailed compositional and molecular weight data for the copolypeptides in this study. M_n: number average molecular weights of side-chain protected copolymers as determined by size exclusion chromatography (SEC). M_n **(calc)**: predicted values. X_n: numbers of residues in the copolymer chains (derived from M_n). M_w/M_n: CLD or polydispersity index values for the copolymer samples, as determined using SEC. Partial aggregation in the SEC eluant (DMF) likely resulted in the higher values found for the 20 mol% hydrophobe samples. **% K or E** and **% L or V**:amino acid compositions (mol %) as determined using ^{1}H NMR spectroscopy in deuterated trifluoroacetic acid.