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ARTICLE TYPE

Comparative study of guanidine-based and lysine-based brush copolymers for plasmid delivery

Supplemental Figures

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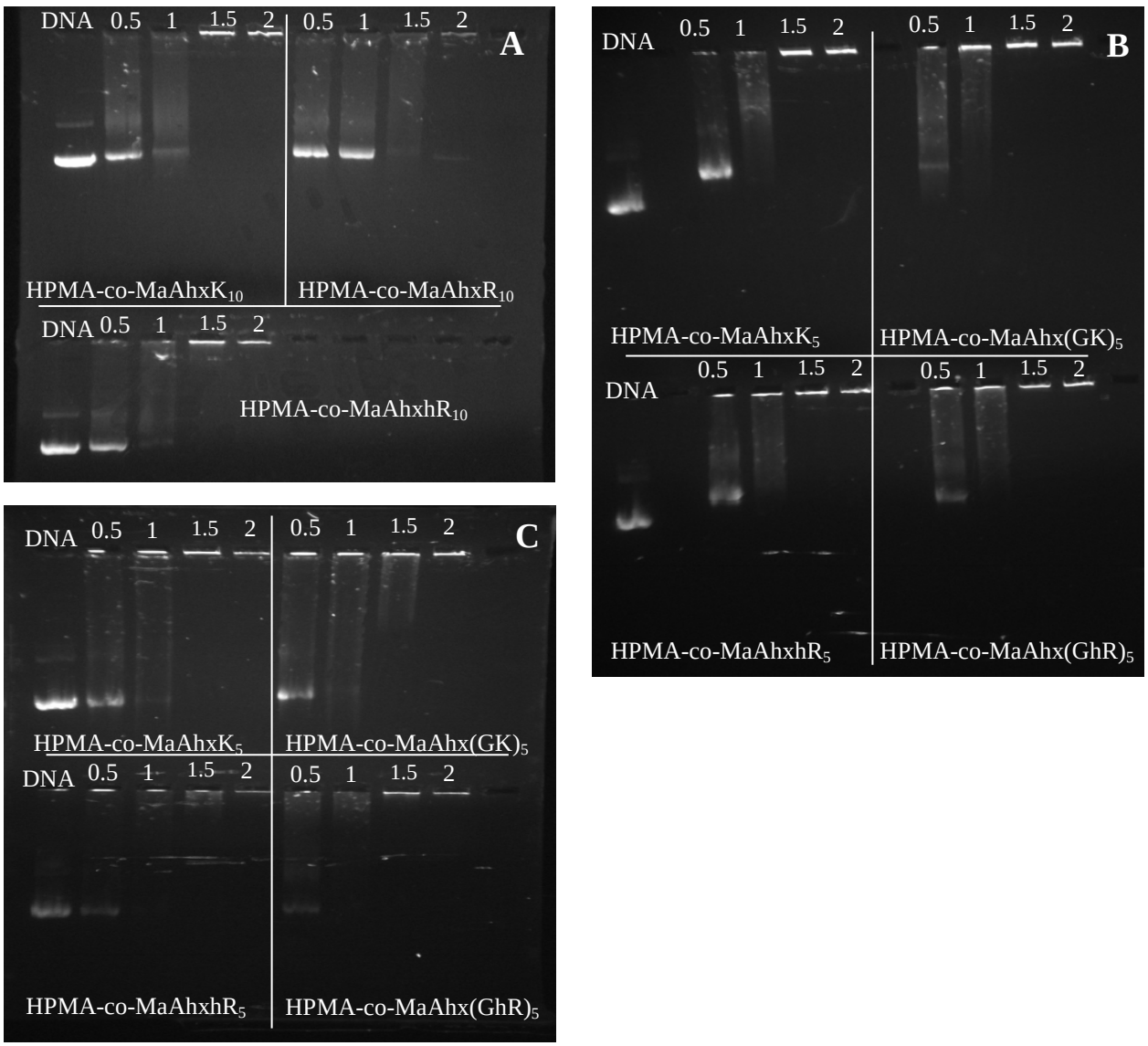

Fig. S1 Gel retardation assays for all synthesized copolymers. All copolymers were complexed with DNA at N/P ratios of 0.5, 1, 1.5, and 2 as labeled above. The presence of a migrating DNA band indicates incomplete complexation. All copolymers formed stable complexes at N/P ratios above 1.5. A) decamer peptide copolymers. B) pentamer peptide copolymers at 20% mol incorporation. C) pentamer peptide copolymers at 40% mol incorporation

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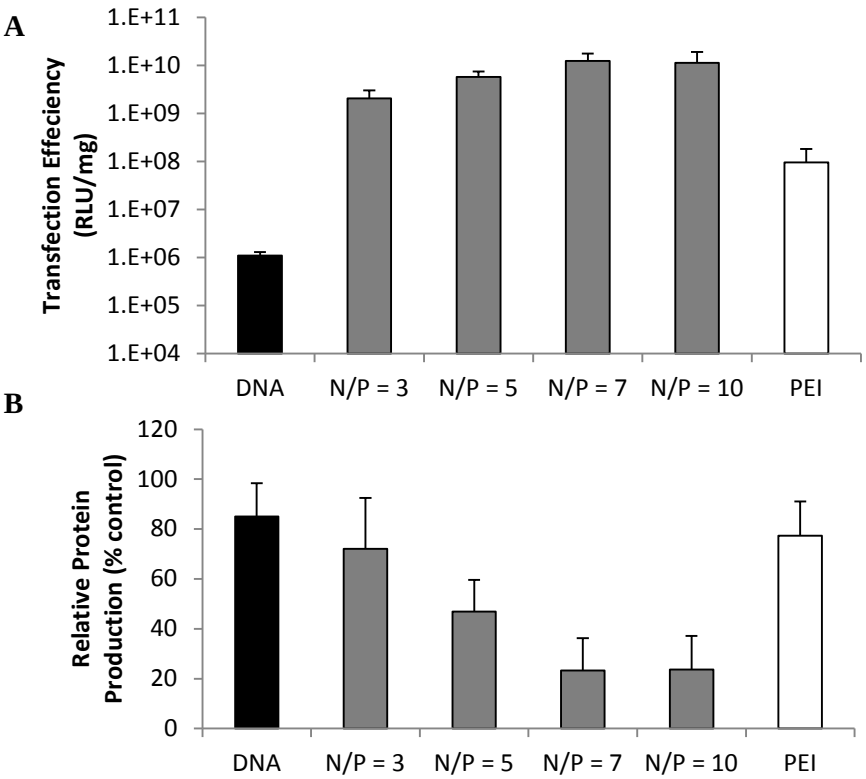

Fig. S2 Transfection efficiency (A) and Cytotoxicity (B) of cells transfected with the luciferase transgene using the HPMA-co-MaAhxK10 copolymer delivery vehicle. The range of N/P ratios tested indicates that while marginally higher luciferase expression is observed at higher N/P ratios (7 and 10), total protein production decreases dramatically indicating significant toxicity.