## SUPPORTING INFORMATION

## Cationic Star Copolymers Obtained by the Arm First Approach for Gene Transfection

Fannie Burgevin, † Alexia Hapeshi,† Ji-Inn Song,† Marta Omedes-Pujol,‡ Annette Christie,‡ Christopher Lindsay‡ and Sébastien Perrier†,§,||\*

<sup>†</sup>Chemistry Department, University of Warwick, Library Road, CV4 7AL, Coventry, U.K.

<sup>‡</sup>Formulation Technology Group, Syngenta, Jealotts Hill International Research Centre, Bracknell, Berkshire RG42 6EY, U.K.

§Warwick Medical School, University of Warwick, Coventry CV4 7AL, U.K.

<sup>*II*</sup> Monash Institute of Pharmaceutical Sciences, Monash University (Parkville Campus), 399 Royal Parade, Parkville, Victoria 3152, Australia

\* <u>s.perrier@warwick.ac.uk</u>



*Figure SI1:* <sup>1</sup>*H NMR spectrum (400 MHz, CDCl<sub>3</sub>, 128 scans) of unpurified p(DMAEA70-co-DMAEMA30).* 



Figure SI2: Size exclusion chromatograms of the star synthesis



Figure SI3: Images of cell media containing polyplexes with lPEI, Star 1, Star 2, Star 3 and linear copolymer of DMAEA and DMAEMA before wash.