

## SUPPLEMENTARY INFORMATION

### **Efficient DNA and siRNA delivery with biodegradable cationic hyaluronic acid conjugates**

Sushil K. Tripathi,<sup>‡a</sup> Saloni Gupta<sup>a</sup>, Kailash C. Gupta<sup>a,b</sup>, Pradeep Kumar<sup>\*,a</sup>

<sup>a</sup>Nucleic Acids Research Laboratory, CSIR-Institute of Genomics and Integrative Biology, Delhi University Campus, Mall Road, Delhi-110007, India.

<sup>b</sup>CSIR-Indian Institute of Toxicology Research, M.G. Marg, Lucknow-226001, India

<sup>‡</sup> Present Address: Department of Radiology, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107, USA

Table S1: Calculation of N/P ratios of pDNA complexes of HP conjugates and bPEIs (25 and 1.8 kDa) at their corresponding weight ratios.

HP1/pDNA		HP2/pDNA		HP3/pDNA		HP4/pDNA		bPEI25/pDNA		bPEI1.8/pDNA	
w/w	N/P	w/w	N/P	w/w	N/P	w/w	N/P	w/w	N/P	w/w	N/P
33.33	252	33.33	250	33.33	248	33.33	244				
36.00	272	36.00	270	36.00	268	36.00	263				
40.00	302	40.00	300	40.00	297	40.00	292				
43.33	327	43.33	325	43.33	322	43.33	317				
50.00	378	50.00	375	50.00	372	50.00	366				
56.66	428	56.66	425	56.66	421	56.66	414				
								1.00	7.7	1.00	7.7
								1.66	12.8	1.66	12.8
								2.33	18	2.33	18
								3.33	25.7	3.33	25.7
								5.00	38.7	5.00	38.7
								6.66	51.5	6.66	51.5