

Table S1: The sizes of the nanoscale RNA/dendrimer complexes formed between the dendrimer **G₇** and siRNA, Ca.L-11 and poly(rU), at various N/P ratios ranging from 0.1 to 10. D: Diameter (nm); H: Height (nm).

complex N/P ratio	siRNA/G₇		Ca.L-11/G₇		Poly(rU)/G₇	
	D	H	D	H	D	H
0.1	- ^{a)}	- ^{a)}	- ^{a)}	- ^{a)}	82 ± 18	8 ± 2
0.2	33 ± 4	3 ± 2	63 ± 8	6 ± 2	87 ± 14	8 ± 2
1	39 ± 6	4 ± 2	112 ± 20	7 ± 2	90 ± 11	9 ± 1
5	47 ± 3	5 ± 1	103 ± 18	8 ± 2	106 ± 6	10 ± 1
10	75 ± 2	6 ± 1	83 ± 5	9 ± 1	107 ± 4	11 ± 1

- ^{a)}: No particles observed.

Table S2: The sizes of the nanoscale RNA/dendrimer complexes formed between dendrimers ranging from generation 1 to 7 and siRNA, Ca.L-11 and poly(rU) at N/P ratio of 10. D: Diameter (nm); H: Height (nm).

	siRNA/G _n		Ca.L-11/G _n		Poly(rU)/G _n	
	D	H	D	H	D	H
G₁	- ^{a)}	- ^{a)}	99 ± 7	10 ± 1	82 ± 9	8 ± 2
G₂	- ^{a)}	- ^{a)}	90 ± 11	7 ± 2	80 ± 7	7 ± 1
G₃	- ^{a)}	- ^{a)}	60 ± 5	6 ± 1	73 ± 7	5 ± 1
G₄	- ^{a)}	- ^{a)}	61 ± 3	5 ± 1	76 ± 6	5 ± 1
G₅	66 ± 6	4 ± 1	83 ± 10	5 ± 2	77 ± 7	6 ± 2
G₆	74 ± 7	5 ± 2	81 ± 6	6 ± 1	100 ± 6	10 ± 1
G₇	75 ± 2	6 ± 1	83 ± 5	9 ± 1	106 ± 3	11 ± 1

- ^{a)}: No uniform particles observed.