Supporting information.

Table S-1. Dependence of D-A distances (Å) on the DP's of
heterotactic polystyrene macrocycles containing a 9,10-
anthracenylide unit separated from the two DMF units by arms
of equal lengths.

DP	Distance	DP	Distance
0	8.13	16	22.31
2	8.83	18	23.35
4	10.94	20	26.04
6	12.69	22	28.03
8	14.31	24	31.45
10	16.49	26	32.21
12	17.91	28	35.38
14	21.10	30	37.23

Table S-2. D-A distance (Å) from two different donors to the acceptor in asymmetric 12-, 14-, 16- and 18-mers as a function of the shorter arm lengths.

,					0		
DP	12-mer	DP	14-mer	DP	16-mer	DP	18-mer
1	6.42, 11.25	1	6.51, 11.48	1	8.60, 13.30	1	6.39, 12.05
2	8.61, 12.85	2	8.05, 12.30	2	7.93, 12.83	2	9.83, 13.69
3	10.40, 14.11	3	11.01, 1468	3	9.93, 15.41	3	11.00, 14.88
4	13.91, 16.00	4	12.74, 16.38	4	12.20, 16.90	4	12.04, 17.96
5	15.12, 17.48	5	14.41, 17.80	5	15.27, 19.48	5	14.20, 19.87
6	16.59, 18.47	6	17.50, 19.26	6	17.25, 21.50	6	16.40, 20.76
		7	19.98, 20.00	7	18.42, 21.92	7	18.57, 21.59
				8	19.25, 20.05	8	20.26, 22.69
						9	21.27, 22.49



Figure S1. Bubble plot of $ETR_{i/(j-i)}$ as function of number of S units in the DP_n = 18 cycle population and number of S units in the shorter arms.



Figure S2. Bubble plot of $ETR_{i/(j-i)}$ with a DP_n of 28. Data are used from the linear fit equations in Figures 8a and 8b.



Figure S3. Bubble plot of $ETR_{i/(j-i)}$ with a DP_n of 54. Data are used from the linear fit equations in Figures 8a and 8b.



Figure S-4. Flow chart of Monte Carlo simulation