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**Table S1.** Cycle yields and net yield for the synthesis of homopolymers of dA, dG, dC, and T.

Cycle	A (cycle)	A (net)	G (cycle)	G (net)	C (cycle)	C (net)	T (cycle)	T (net)
0	85	85	37	37	82	82	91	91
1	88	72	88	34	88	72	97	88
2	85	59	84	27	92	66	98	86
3	84	48	86	22	91	60	98	84
4	85	40	88	19	90	54	99	82
5	80	32	91	17	92	49	99	80
6	81	26	89	15	94	46	99	79
7	80	20	92	14	94	43	96	76
8	77	16	90	13	94	41	99	74
9	76	12	87	11	95	39	96	72
10	73	9	82	10	95	37	97	70
11	68	7	74	8	92	34	95	67