

Appendix A Spectrophotometric ratios of purified DNA: DNA is obtained from a new column and columns regenerated up to 11 times (Re1-11); three replicates.

Replicate	number of regeneration	Conc (ng/ul)	OD _{A260}	OD _{A280}	OD _{A230}	260/280	260/230	340 raw
1	new	756.07	15.121	7.125	6.277	2.12	2.41	0.093
	Re1	682.86	13.657	6.573	6.75	2.08	2.02	0.194
	Re2	573.29	11.466	5.714	5.162	2.01	2.22	0.018
	Re3	520.93	10.419	5.183	4.647	2.01	2.24	0.055
	Re4	497.85	9.957	4.893	4.192	2.04	2.38	0.057
	Re5	376.16	7.523	3.691	3.16	2.04	2.38	0.093
	Re6	358.42	7.168	3.48	3.02	2.06	2.37	0.098
	Re7	400	3.998	1.964	1.673	2.04	2.39	0.039
	Re8	304.97	6.099	2.972	2.554	2.05	2.39	0.046
	Re9	267.86	5.357	2.604	2.253	2.06	2.38	0.072
	Re10	263.53	5.271	2.56	2.236	2.06	2.36	0.15
	Re11	294.21	5.884	2.856	2.467	2.06	2.39	0.051
2	new	763.89	15.278	7.396	6.681	2.07	2.29	2.108
	Re1	727.98	14.56	7.018	6.099	2.07	2.39	0.249
	Re2	703.97	14.079	6.796	5.922	2.07	2.38	0.144
	Re3	496.62	9.932	4.886	4.206	2.03	2.36	0.056
	Re4	509.51	10.19	4.992	4.3	2.04	2.37	0.048
	Re5	347.84	6.957	3.368	2.975	2.07	2.34	0.048
	Re6	331.87	6.637	3.242	2.77	2.05	2.4	0.035
	Re7	279.69	5.594	2.704	2.343	2.07	2.39	0.02
	Re8	354.27	7.085	3.492	2.957	2.03	2.4	0.032
	Re9	279.73	5.595	2.719	2.344	2.06	2.39	0.034
	Re10	374.72	7.494	3.628	3.163	2.07	2.37	0.054

	Re11	283.6	5.672	2.731	2.367	2.08	2.4	0.04
3	new	963.98	19.28	9.098	8.188	2.12	2.35	0.265
	Re1	942.04	18.841	9.049	7.918	2.08	2.38	0.556
	Re2	960.75	19.215	9.405	8.212	2.04	2.34	0.17
	Re3	791.91	15.838	7.587	7.165	2.09	2.21	0.298
	Re4	567.19	11.344	5.593	4.856	2.03	2.34	0.059
	Re5	559.86	11.197	5.498	5.947	2.04	1.88	0.041
	Re6	462.79	9.256	4.57	4.54	2.03	2.04	0.036
	Re7	421.92	8.438	4.134	3.755	2.04	2.25	0.041
	Re8	372.02	7.44	3.581	3.244	2.08	2.29	0.061
	Re9	384.86	7.697	3.741	3.378	2.06	2.28	0.052
	Re10	317.3	6.346	3.077	2.768	2.06	2.29	0.056
Re11	439.31	8.786	4.311	4.624	2.04	1.9	0.062	