

Appendix

Table 1: Data from single-sided DNA size selection

Sample name	100 bp				>100 bp			
	Concentration (pg/μl)	Average (pg/μl)	Recovery (%)	CV (%)	Concentration (pg/μl)	Average (pg/μl)	Recovery (%)	CV (%)
MFL-SS-01	37	36.5	32.5	11.6	1660	1690	107	4
MFL-SS-02	39.2				1670			
MFL-SS-03	41.9				1860			
MFL-SS-04	38.9				1720			
MFL-SS-05	46				1670			
MFL-SS-06	35.6				1590			
MFL-SS-07	31.9				1800			
MFL-SS-08	34.1				1720			
MFL-SS-09	33.4				1740			
MFL-SS-10	43.2				1840			
MFL-SS-11	38.8				1720			
MFL-SS-12	35.8				1730			
MFL-SS-13	33.7				1650			
MFL-SS-14	32.9				1660			
MFL-SS-15	30.8				1650			
MFL-SS-16	33.1				1710			
MFL-SS-17	33.3				1660			
MFL-SS-18	37.9				1630			
MFL-SS-19	42.8				1650			
MFL-SS-20	42.7				1710			
MFL-SS-21	36.1				1670			
MFL-SS-22	39.5				1700			
MFL-SS-23	43.2				1830			
MFL-SS-24	38.7				1700			
AMP-SS-01	25.8	30.5	27.3	11	1700	1695	107	2
AMP-SS-02	28.6				1740			
AMP-SS-03	28.9				1760			
AMP-SS-04	30.4				1720			
AMP-SS-05	32.7				1740			
AMP-SS-06	32.5				1680			
AMP-SS-07	34.4				1690			
AMP-SS-08	27.1				1680			
AMP-SS-09	27.4				1700			
AMP-SS-10	30.6				1680			
AMP-SS-11	29.4				1700			
AMP-SS-12	29.6				1700			
AMP-SS-13	37.2				1670			
AMP-SS-14	33.5				1730			
AMP-SS-15	33.8				1730			
AMP-SS-16	31				1690			
AMP-SS-17	29.2				1710			
AMP-SS-18	27.7				1660			
AMP-SS-19	36.6				1760			
AMP-SS-20	35.5				1730			
AMP-SS-21	28.5				1700			
AMP-SS-22	35.8				1750			
AMP-SS-23	33.6				1750			
AMP-SS-24	35.2				1680			
INPUT DNA ladder	118	111.7	100	4	1610	1580	100	2
INPUT DNA ladder	108				1560			
INPUT DNA ladder	111				1590			
INPUT DNA ladder	114				1620			

Table 2: Data from double-sided DNA size selection

Sample name	Average size (bp)	Average (bp)	SD (bp)	Concentration (ng/μl)	Average (ng/μl)	SD (ng/μl)	Recovery (%)
MFL-DS-01	362	372	14	0.644	0.7	0.12	12
MFL-DS-02	375			0.616			
MFL-DS-03	383			0.623			
MFL-DS-04	388			0.833			
MFL-DS-05	365			0.808			
MFL-DS-06	354			0.627			
MFL-DS-07	378			0.605			
MFL-DS-08	380			0.766			
MFL-DS-09	359			0.756			
MFL-DS-10	372			0.623			
MFL-DS-11	367			1.03			
MFL-DS-12	353			0.713			
MFL-DS-13	349			0.57			
MFL-DS-14	376			0.621			
MFL-DS-15	389			0.803			
MFL-DS-16	-			-			
MFL-DS-17	377			0.674			
MFL-DS-18	-			-			
MFL-DS-19	348			0.767			
MFL-DS-20	372			0.699			
MFL-DS-21	354			0.741			
MFL-DS-22	390			0.694			
MFL-DS-23	374			0.746			
MFL-DS-24	387			0.821			
AMP-DS-01	378	396	13	0.938	0.8	0.13	13
AMP-DS-02	417			0.812			
AMP-DS-03	399			0.835			
AMP-DS-04	409			0.87			
AMP-DS-05	385			0.911			
AMP-DS-06	377			0.839			
AMP-DS-07	379			0.867			
AMP-DS-08	405			0.61			
AMP-DS-09	399			0.583			
AMP-DS-10	394			0.774			
AMP-DS-11	415			0.771			
AMP-DS-12	-			-			
AMP-DS-13	400			0.855			
AMP-DS-14	403			0.91			
AMP-DS-15	389			0.685			
AMP-DS-16	392			0.924			
AMP-DS-17	397			0.84			
AMP-DS-18	365			0.809			
AMP-DS-19	408			0.88			
AMP-DS-20	401			0.745			
AMP-DS-21	396			0.62			
AMP-DS-22	397			0.878			
AMP-DS-23	399			0.911			
AMP-DS-24	-			-			
INPUT sheared gDNA	373	376	7.5	6.81	6	0.81	
INPUT sheared gDNA	366			6.51			
INPUT sheared gDNA	382			5.44			
INPUT sheared gDNA	381			5.13			