

Supplementary Table 3. Comparison of sheared DNA size-fractionation techniques. All data are post-size selection and determined by the Agilent Bioanalyzer. The three tests were performed with 13.7 μ l of DNA (183 ng DNA total) from the same pool of sheared starting DNA (Fig. 2a)

Sample	Volume recovered in target 400-600 bp range (μ l)	[DNA] recovered in target 400-600 bp range (ng/ μ l)	DNA recovered in target 400-600 bp range (ng)	% recovery of sheared starting DNA (183 ng start)	TARGET RECOVERY EFFICIENCY (% DNA recovered in 400-600 bp)	Actual size range recovered (Fig. 2b)
Pippin Prep A	42	1.27	53.34	29	94	
Pippin Prep B	39	1.24	48.36	26	95	400-600 bp
Pippin Prep C	39	1.37	53.43	29	96	
Standard Gel 1A	20	3.95	79	43	64	
Standard Gel 2A	20	4.4	88	48	74	400-750 bp
Standard Gel 3A	20	4.39	87.8	48	72	
Ampure Bead 1	20	5.91	118.2	65	49	
Ampure Bead 2	20	5.05	101	55	46	400-950 bp
Ampure Bead 3	20	5.34	106.8	58	50	