



Beads ratio	PEG (%)	NaCl (M)	Selected length
1.2x	10.9	1.36	>100bp
0.8x	8.9	1.11	>200bp
0.6x	7.5	0.94	>300bp
0.5x	6.7	0.84	>500bp
0.45x	6.2	0.78	>600bp
0.4x	5.7	0.71	>1000bp
0.35x	5.2	0.65	>1500bp

Supplementary figure 6 - Altered AMPure XP beads and optimal bead volume in the DNA solution