

Supplementary Table 1 - Sequencing statistics for BisChIP-Seq

Sample	Sequencing	Replicate No	PF Reads	Unique Monoclonal Reads	BP Sequenced	C's sequenced	CG context	C's mapped	Bisulfite Conversion
PrEC_H3K27me3	2x75bp	1	25,160,586	12,583,799	1,887,569,850	32,482,151	31,308,757	442,023,548	99.7%
PrEC_H3K27me3	2x75bp	2	26,011,647	13,044,985	1,956,747,750	33,718,934	32,539,163	458,345,624	99.7%
PrEC_H3K27me3	2x75bp	3	25,504,669	12,774,803	1,916,220,450	32,959,374	31,818,797	448,647,146	99.7%
LNCaP_H3K27me3	2x75bp	1	21,054,286	14,048,539	2,107,280,850	22,844,118	21,660,769	469,636,394	99.7%
LNCaP_H3K27me3	2x75bp	2	29,059,209	19,387,066	2,908,059,900	31,173,725	29,938,595	648,110,223	99.8%
LNCaP_H3K27me3	2x75bp	3	29,079,644	19,399,427	2,909,914,050	31,123,610	29,917,422	648,473,545	99.8%
LNCaP_H3K27me3	2x75bp	4	26,909,594	17,847,723	2,677,158,450	28,455,578	27,284,128	595,926,617	99.8%