

Table S1. Biological processes enriched by vorinostat

Biological process ^a	DU 145		PC-3		22Rv1	
	Normoxia ^b	Hypoxia ^b	Normoxia ^b	Hypoxia ^b	Normoxia ^b	Hypoxia ^b
Input genes ^c	2992	3791	980	1194	4994	4379
Cell cycle	183	217		85	342	316
RNA processing	129	168	49		195	180
Cellular response to stress	131	155			229	222
<i>DNA damage response</i>	97	99			156	158
<i>DNA repair</i>	72	74 ^d			118	119
Chromatin organization	86	91 ^d			133	124
Metabolism ^e	68	107			100	
Translation	73	103			110	107
Apoptosis regulation		196			256	175

^aMajor biological processes and subprocesses (Italics) significantly enriched at adj $P < 0.1$.

^bNumber of genes in the specified biological process.

^cGenes with GO annotation (biological process)

^dNot significant based on adj $P < 0.1$

^eGO term Generation of precursor metabolites and energy