

Table 2. Comparison of SAHA-sensitive targets of SAHA-BPyne across human cancer cell lines.

Protein	IPI number	Average (\pm SEM) SAHA-BPyne spectral counts			
		MUM2C	MUM2B	OVCAR3	SKOV3
HDAC1	IPI00013774	20 \pm 2	18 \pm 2	17 \pm 3	24 \pm 4
HDAC2	IPI00289601	23 \pm 2	21 \pm 2	25 \pm 3	24 \pm 3
HDAC3	IPI00006187	1.5 \pm 0.9	2.8 \pm 0.9	5 \pm 1	3.0 \pm 0.6
HDAC6	IPI00005711	5 \pm 1	0.6 \pm 0.6	3 \pm 2	5.7 \pm 0.7
CoREST protein	IPI00008531	0.5 \pm 0.5	6.5 \pm 0.9	0.8 \pm 0.9	1.7 \pm 0.9
Methyl-CpG binding protein 3	IPI00439194	21 \pm 3	19 \pm 3	7 \pm 2	4 \pm 1
MTA1	IPI00012773	7.8 \pm 0.6	6 \pm 1	6 \pm 1	3 \pm 1
MTA2	IPI00171798	10 \pm 1	8 \pm 2	5.5 \pm 0.9	6.3 \pm 0.7
p66 β	IPI00103554	6 \pm 1	2.8 \pm 0.9	5.0 \pm 0.8	0.7 \pm 0.7

Signals correspond to average spectral counts for each protein, calculated as described in Jessani N, Niessen S, Wei BQ, Nicolau M, Humphrey M, Ji Y, Han W, Noh DY, Yates JR, III, Jeffrey SS, Cravatt BF (2005) *Nat Methods* 2: 691-697.

n = 3-7 experiments per cell line.