

**Table 3.** ABPP-MudPIT data for SAHA-BPyne-treated melanoma cancer lines.

MUM2C Specifically labeled proteins	Spectral counts										
	SAHA-BPyne				SAHA			No probe		MP	
IPI00005711 - Histone deacetylase 6	7	2	7	4	0	0	0	0	0	0	0
IPI00439194 - Methyl-CpG binding protein 3	13	20	21	28	0	3	0	0	0	0	0
IPI00013774 - Histone deacetylase 1	14	21	22	24	4	0	2	0	0	0	2
IPI00171798 - Metastasis associated protein MTA2	10	9	7	12	3	0	0	0	0	0	0
IPI00103554 - Transcriptional repressor p66 beta	5	3	7	7	0	0	2	0	0	0	0
IPI00289601 - Histone deacetylase 2	19	25	20	26	5	3	2	4	0	0	2
IPI00012773 - Metastasis-associated protein MTA1	8	6	8	9	3	3	3	3	3	0	0
IPI00008531 - CoREST protein	0	0	0	2	0	0	0	0	0	0	0
IPI00006187 - Histone deacetylase 3	3	3	0	0	0	0	0	0	0	0	0

MUM2B Specifically labeled proteins	Spectral counts																	
	SAHA-BPyne								SAHA			no probe			MP			
IPI00008531 - CoREST protein	2	7	10	9	7	5	5	7	0	0	0	0	0	0	0	0	0	0
IPI00439194 - Methyl-CpG binding protein 3	14	12	12	24	16	25	38	11	0	0	0	0	0	0	0	0	0	0
IPI00013774 - Histone deacetylase 1	13	15	25	13	19	16	23	20	2	0	0	0	0	0	4	0	4	2
IPI00171798 - Metastasis associated protein MTA2	4	3	8	4	10	6	23	6	2	0	0	3	0	0	0	0	0	0
IPI00289601 - Histone deacetylase 2	17	22	27	12	21	30	25	14	9	3	0	6	0	6	10	5	7	3
IPI00012773 - Metastasis-associated protein MTA1	3	0	12	6	7	7	9	3	0	2	3	4	0	0	0	0	2	0
IPI00006187 - Histone deacetylase 3	0	3	5	0	6	0	5	3	0	0	0	0	0	0	0	0	0	0
IPI00103554 - Transcriptional repressor p66 beta	2	2	2	4	5	0	7	0	0	0	0	0	0	0	0	0	0	0
IPI00005711 - Histone deacetylase 6	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0

Spectral counts are shown for specifically labeled proteins from individual proteomic samples. Averages for these data can be found in Tables 1 and 2. Shaded boxes show data for relevant proteins that did not meet the criteria for specifically labeled proteins as defined in Results.