









Modification	NL	HL60
0Ac/0Me  <b>AKRHRKV</b>	>1*	>1
0Ac/1Me  <b>AKRHRKV</b>	>1	>1
0Ac/2Me  <b>AKRHRKV</b>	25.7 ± 2.1	40.4 ± 3.1
0Ac/3Me  <b>AKRHRKV</b>	6.9 ± 1.7	3.9 ± 0.9
1Ac/0Me  <b>AKRHRKV</b>	>1	>1
1Ac/1Me  <b>AKRHRKV</b>	>1	>1
1Ac/2Me  <b>AKRHRKV</b>	51.1 ± 3.8	31.9 ± 3.8
1Ac/3Me  <b>AKRHRKV</b>	11.2 ± 1.6	3.2 ± 0.5

\* Relative percentage versus total histone H4 pool

**Supplementary Figure 5** Relative abundance of non- and monoacetylated forms in their different methylated status (non-, mono-, di- and trimethylated) of histone H4 in normal lymphocytes (NL) and the human cancer cell line HL60. Results are expressed as the mean ± standard deviation of the values obtained with HPCE and LC/ESI-MS as described in materials and methods.