Histone Set 2 - H2A, H2B, H4 library

A1		**Control 1**	**E1**	H2a1-21K5ac	*Biotin-spacer-* SGRGΔQGGKARAKAKTRSSRA
A2	H41-21	*Biotin-spacer-* SGRGKGGKGLGKGGAKRHRKV	**E2**	H2a1-21K5acK9ac	*Biotin-spacer-* SGRGΔQGGΔARAKAKTRSSRA
A3	H41-21S1phos	*Biotin-spacer-* ΣGRGKGGKGLGKGGAKRHRKV	**E3**	H2a1-21K9ac	*Biotin-spacer-* SGRGKQGGΔARAKAKTRSSRA
A4	H41-21R3me	*Biotin-spacer-* SGΞGKGGKGLGKGGAKRHRKV	**E4**	H2a1-21K9acK13ac	*Biotin-spacer-* SGRGKQGGΔARAΔAKTRSSRA
A5	H41-21R3me2a	*Biotin-spacer-* SGΨGKGGKGLGKGGAKRHRKV	**E5**	H2a1-21K13ac	*Biotin-spacer-* SGRGKQGGKARAΔAKTRSSRA
A6	H41-21R3me2aK5ac	*Biotin-spacer-* SGΨGΔGGKGLGKGGAKRHRKV	**E6**	H2a1-21K13acK15ac	*Biotin-spacer-* SGRGKQGGKARAΔAΔTRSSRA
A7	H41-21S1phosR3me2aK5ac	*Biotin-spacer-* ΣGΨGΔGGKGLGKGGAKRHRKV	**E7**	H2a1-21K9acK13acK15	*Biotin-spacer-* SGRGKQGGΔARAΔAΔTRSSRA
A8	H41-21K5ac	*Biotin-spacer-* SGRGΔGGKGLGKGGAKRHRKV	**E8**	H2a21-41	*Biotin-spacer-* AGLQFPVGRVHRLLRKGNYAE
A9	H41-21K5acK12ac	*Biotin-spacer-* SGRGΔGGKGLGΔGGAKRHRKV	**E9**	H2a21-41K36ac	*Biotin-spacer-* AGLQFPVGRVHRLLRΔGNYAE
A10	H41-21K5acK8ac	*Biotin-spacer-* SGRGΔGGΔGLGKGGAKRHRKV	**E10**	H2a85-105	*Biotin-spacer-* LAIRNDEELNKLLGKVTIAQG
A11	H41-21K8ac	*Biotin-spacer-* SGRGKGGΔGLGKGGAKRHRKV	**E11**	H2a85-105K95ac	*Biotin-spacer-* LAIRNDEELNΔLLGKVTIAQG
A12	H41-21K8acK12ac	*Biotin-spacer-* SGRGKGGΔGLGΔGGAKRHRKV	**E12**	H2a85-105K99ac	*Biotin-spacer-* LAIRNDEELNKLLGΔVTIAQG
B1	H41-21K12me	*Biotin-spacer-* SGRGKGGKGLGΦGGAKRHRKV	**F1**	H2a85-105K95acK99ac	*Biotin-spacer-* LAIRNDEELNΔLLGΔVTIAQG
B2	H41-21K12me2	*Biotin-spacer-* SGRGKGGKGLGΠGGAKRHRKV	**F2**	H2a110-127	*Biotin-spacer-* IQAVLLPKKTESHHKAKGK-acid
B3	H41-21K12me3	*Biotin-spacer-* SGRGKGGKGLGΘGGAKRHRKV	**F3**	H2a110-127K118ac	*Biotin-spacer-* IQAVLLPKΔTESHHKAKGK-acid
B4	H41-21K8acK12me	*Biotin-spacer-* SGRGKGGΔGLGΦGGAKRHRKV	**F4**	H2a110-127K118acT119phos	*Biotin-spacer-* IQAVLLPKΔΩESHHKAKGK-acid
B5	H41-21K8acK12me3	*Biotin-spacer-* SGRGKGGΔGLGΘGGAKRHRKV	**F5**	H2a110-127T119phos	*Biotin-spacer-* IQAVLLPKKΩESHHKAKGK-acid
B6	H41-21K12meK16ac	*Biotin-spacer-* SGRGKGGKGLGΦGGAΔRHRKV	**F6**	H2b1-21	*Biotin-spacer-* PEPAKSAPAPKKGSKKAVTKA
B7	H41-21K12me3K16ac	*Biotin-spacer-* SGRGKGGKGLGΘGGAΔRHRKV	**F7**	H2b1-21K5ac	*Biotin-spacer-* PEPAΔSAPAPKKGSKKAVTKA
B8	H41-21K16ac	*Biotin-spacer-* SGRGKGGKGLGKGGAΔRHRKV	**F8**	H2b1-21K5me	*Biotin-spacer-* PEPAΦSAPAPKKGSKKAVTKA
B9	H413-33	*Biotin-spacer-* GGAKRHRKVLRDNIQGITKPA	**F9**	H2b1-21K5me2	*Biotin-spacer-* PEPAΠSAPAPKKGSKKAVTKA
B10	H413-33K20ac	*Biotin-spacer-* GGAKRHRΔVLRDNIQGITKPA	**F10**	H2b1-21K5me3	*Biotin-spacer-* PEPAΘSAPAPKKGSKKAVTKA
B11	H413-33K16acK20ac	*Biotin-spacer-* GGAΔRHRΔVLRDNIQGITKPA	**F11**	H2b1-21K12ac	*Biotin-spacer-* PEPAKSAPAPKΔGSKKAVTKA
B12	H413-33K16acK20me	*Biotin-spacer-* GGAΔRHRΦVLRDNIQGITKPA	**F12**	H2b1-21S14phos	*Biotin-spacer-* PEPAKSAPAPKKGΣKKAVTKA
C1	H413-33K16acK20me3	*Biotin-spacer-* GGAΔRHRΘVLRDNIQGITKPA	**G1**	H2b1-21K12acS14phos	*Biotin-spacer-* PEPAKSAPAPKΔGΣKKAVTKA
C2	H413-33K20me	*Biotin-spacer-* GGAKRHRΦVLRDNIQGITKPA	**G2**	H2b1-21S14phosK15ac	*Biotin-spacer-* PEPAKSAPAPKKGΣΔKAVTKA
C3	H413-33K20me2	*Biotin-spacer-* GGAKRHRΠVLRDNIQGITKPA	**G3**	H2b1-21K12acS14phosK15ac	*Biotin-spacer-* PEPAKSAPAPKΔGΣΔKAVTKA
C4	H413-33K20me3	*Biotin-spacer-* GGAKRHRΘVLRDNIQGITKPA	**G4**	H2b15-35	*Biotin-spacer-* KKAVTKAQKKDGKKRKRSRKE
C5	H443-63	*Biotin-spacer-* VKRISGLIYEETRGVLKVFLE	**G5**	H2b15-35K20ac	*Biotin-spacer-* KKAVTΔAQKKDGKKRKRSRKE
C6	H443-63S47phos	*Biotin-spacer-* VKRIΣGLIYEETRGVLKVFLE	**G6**	H2b15-35K20acK23me	*Biotin-spacer-* KKAVTΔAQΦKDGKKRKRSRKE
C7	H443-63K59ac	*Biotin-spacer-* VKRISGLIYEETRGVLΔVFLE	**G7**	H2b15-35K20acK23me3	*Biotin-spacer-* KKAVTΔAQΘKDGKKRKRSRKE
C8	H451-71	*Biotin-spacer-* YEETRGVLKVFLENVIRDAVT	**G8**	H2b15-35K23me	*Biotin-spacer-* KKAVTKAQΦKDGKKRKRSRKE
C9	H451-71K59ac	*Biotin-spacer-* YEETRGVLΔVFLENVIRDAVT	**G9**	H2b15-35K23me2	*Biotin-spacer-* KKAVTKAQΠKDGKKRKRSRKE
C10	H468-88	*Biotin-spacer-* DAVTYTEHAKRKTVTAMDVVY	**G10**	H2b15-35K23me3	*Biotin-spacer-* KKAVTKAQΘKDGKKRKRSRKE
C11	H468-88K77ac	*Biotin-spacer-* DAVTYTEHAΔRKTVTAMDVVY	**G11**	H2b15-35K23meK24ac	*Biotin-spacer-* KKAVTKAQΦΔDGKKRKRSRKE
C12	H468-88K77acK79ac	*Biotin-spacer-* DAVTYTEHAΔRΔTVTAMDVVY	**G12**	H2b15-35K23me3K24ac	*Biotin-spacer-* KKAVTKAQΘΔDGKKRKRSRKE
D1	H468-88K79ac	*Biotin-spacer-* DAVTYTEHAKRΔTVTAMDVVY	**H1**	H2b15-35K24ac	*Biotin-spacer-* KKAVTKAQKΔDGKKRKRSRKE
D2	H468-88K77acK79me	*Biotin-spacer-* DAVTYTEHAΔRΦTVTAMDVVY	**H2**	H2b27-47	*Biotin-spacer-* KKRKRSRKESYSVYVYKVLKQ
D3	H468-88K77acK79me3	*Biotin-spacer-* DAVTYTEHAΔRΘTVTAMDVVY	**H3**	H2b27-47S32phos	*Biotin-spacer-* KKRKRΣRKESYSVYVYKVLKQ
D4	H468-88K79me	*Biotin-spacer-* DAVTYTEHAKRΦTVTAMDVVY	**H4**	H2b27-47S32phosS36phos	*Biotin-spacer-* KKRKRΣRKEΣYSVYVYKVLKQ
D5	H468-88K79me2	*Biotin-spacer-* DAVTYTEHAKRΠTVTAMDVVY	**H5**	H2b27-47S36phos	*Biotin-spacer-* KKRKRSRKEΣYSVYVYKVLKQ
D6	H468-88K79me3	*Biotin-spacer-* DAVTYTEHAKRΘTVTAMDVVY	**H6**	H2b27-47S36phosK43ac	*Biotin-spacer-* KKRKRSRKEΣYSVYVYΔVLKQ
D7	H482-102	*Biotin-spacer-* TAMDVVYALKRQGRTLYGFGG-acid	**H7**	H2b27-47K43ac	*Biotin-spacer-* KKRKRSRKESYSVYVYΔVLKQ
D8	H482-102R92me	*Biotin-spacer-* TAMDVVYALKΞQGRTLYGFGG-acid	**H8**	H2b37-57	*Biotin-spacer-* YSVYVYKVLKQVHPDTGISSK
D9	H482-102R92me2a	*Biotin-spacer-* TAMDVVYALKΨQGRTLYGFGG-acid	**H9**	H2b37-57K43me	*Biotin-spacer-* YSVYVYΦVLKQVHPDTGISSK
D10	H2a1-21	*Biotin-spacer-* SGRGKQGGKARAKAKTRSSRA	**H10**	H2b37-57K43me2	*Biotin-spacer-* YSVYVYΠVLKQVHPDTGISSK
D11	H2a1-21S1phos	*Biotin-spacer-* ΣGRGKQGGKARAKAKTRSSRA	**H11**	H2b37-57K43me3	*Biotin-spacer-* YSVYVYΘVLKQVHPDTGISSK
D12	H2a1-21S1phosK5ac	*Biotin-spacer-* ΣGRGΔQGGKARAKAKTRSSRA	**H12**		**Control 2**

Δ = acetyl-Lysine	Φ = monomethyl-Lys	Π = dimethyl-Lys	Θ = trimethyl-Lys
Σ = phospho-Ser	Ω = phospho-Thr	Ξ = monomethyl-Arg	Ψ = asym dimethyl-Arg
Spacer = aminohexanoic acid, Ahx		All the peptides have C-terminal amide groups unless specified.	