

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-	SGΣGKGGKGLGKGGAKRHRKV	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-	SGRGKGGKGLGΔGGAKRHRKV	F1	H2a85-105K95acK99ac	Biotin-spacer-	LAIrNDEELNΔllgΔvtIAQg
B2	H41-21K12me2	Biotin-spacer-	SGRGKGGKGLGΠGGAKRHRKV	F2	H2a110-127	Biotin-spacer-	IQAVLLPKKTESHHKAKGK-acid
B3	H41-21K12me3	Biotin-spacer-	SGRGKGGKGLGΔGGAKRHRKV	F3	H2a110-127K118ac	Biotin-spacer-	IQAVLLPKΔTESHHKAKGK-acid
B4	H41-21K8acK12me	Biotin-spacer-	SGRGKGGΔGLGΔGGAKRHRKV	F4	H2a110-127K118acT119phos	Biotin-spacer-	IQAVLLPKΔESHHKAKGK-acid
B5	H41-21K8acK12me3	Biotin-spacer-	SGRGKGGΔGLGΔGGAKRHRKV	F5	H2a110-127T119phos	Biotin-spacer-	IQAVLLPKKΔESHHKAKGK-acid
B6	H41-21K12meK16ac	Biotin-spacer-	SGRGKGGKGLGΔGGAΔRHRKV	F6	H2b1-21	Biotin-spacer-	PEPAKSAPAPKKGSKKAVTKA
B7	H41-21K12me3K16ac	Biotin-spacer-	SGRGKGGKGLGΔGGAΔRHRKV	F7	H2b1-21K5ac	Biotin-spacer-	PEPAΔSAPAPKKGSKKAVTKA
B8	H41-21K16ac	Biotin-spacer-	SGRGKGGKGLGKGGΔARHRKV	F8	H2b1-21K5me	Biotin-spacer-	PEPAΔSAPAPKKGSKKAVTKA
B9	H413-33	Biotin-spacer-	GGAKRHRKVLrDNIQGITKPA	F9	H2b1-21K5me2	Biotin-spacer-	PEPAΠSAPAPKKGSKKAVTKA
B10	H413-33K20ac	Biotin-spacer-	GGAKRHRΔVLRDNIQGITKPA	F10	H2b1-21K5me3	Biotin-spacer-	PEPA⊕SAPAPKKGSKKAVTKA
B11	H413-33K16acK20ac	Biotin-spacer-	GGAΔRHRΔVLRDNIQGITKPA	F11	H2b1-21K12ac	Biotin-spacer-	PEPAKSAPAPKΔGSKKAVTKA
B12	H413-33K16acK20me	Biotin-spacer-	GGAΔRHR⊕VLRDNIQGITKPA	F12	H2b1-21S14phos	Biotin-spacer-	PEPAKSAPAPKKGΣKKAVTKA
C1	H413-33K16acK20me3	Biotin-spacer-	GGAΔRHR⊖VLRDNIQGITKPA	G1	H2b1-21K12acS14phos	Biotin-spacer-	PEPAKSAPAPKΔGΣKKAVTKA
C2	H413-33K20me	Biotin-spacer-	GGAKRHR⊕VLRDNIQGITKPA	G2	H2b1-21S14phosK15ac	Biotin-spacer-	PEPAKSAPAPKKGΣΔKAVTKA
C3	H413-33K20me2	Biotin-spacer-	GGAKRHRΠVLRDNIQGITKPA	G3	H2b1-21K12acS14phosK15ac	Biotin-spacer-	PEPAKSAPAPKΔGΣΔKAVTKA
C4	H413-33K20me3	Biotin-spacer-	GGAKRHR⊖VLRDNIQGITKPA	G4	H2b15-35	Biotin-spacer-	KKAVTKAQQKDGKKRKRsrKE
C5	H443-63	Biotin-spacer-	VKRISGLIYEETRGVLKVFLE	G5	H2b15-35K20ac	Biotin-spacer-	KKAVTΔAQKDGKKRKRsrKE
C6	H443-63S47phos	Biotin-spacer-	VKRISGLIYEETRGVLKVFLE	G6	H2b15-35K20acK23me	Biotin-spacer-	KKAVTΔAQ⊕KDGKKRKRsrKE
C7	H443-63K59ac	Biotin-spacer-	VKRISGLIYEETRGVLΔVFLE	G7	H2b15-35K20acK23me3	Biotin-spacer-	KKAVTΔAQ⊕KDGKKRKRsrKE
C8	H451-71	Biotin-spacer-	YEETRGVLKVFLENVIRDAVT	G8	H2b15-35K23me	Biotin-spacer-	KKAVTKAQ⊕KDGKKRKRsrKE
C9	H451-71K59ac	Biotin-spacer-	YEETRGVLΔVFLENVIRDAVT	G9	H2b15-35K23me2	Biotin-spacer-	KKAVTKAQΠKDGKKRKRsrKE
C10	H468-88	Biotin-spacer-	DAVTTYTEHAKRKTVTAMDVVY	G10	H2b15-35K23me3	Biotin-spacer-	KKAVTKAQ⊕KDGKKRKRsrKE
C11	H468-88K77ac	Biotin-spacer-	DAVTTYTEHARΔKTVTAMDVVY	G11	H2b15-35K23meK24ac	Biotin-spacer-	KKAVTKAQ⊕ΔDGKKRKRsrKE
C12	H468-88K77acK79ac	Biotin-spacer-	DAVTTYTEHARΔKTVTAMDVVY	G12	H2b15-35K23me3K24ac	Biotin-spacer-	KKAVTKAQKΔDGKKRKRsrKE
D1	H468-88K79ac	Biotin-spacer-	DAVTTYTEHAKRΔTVTAMDVVY	H1	H2b15-35K24ac	Biotin-spacer-	KKRKRsrKESYSVYVYKVLKQ
D2	H468-88K77acK79me	Biotin-spacer-	DAVTTYTEHARΔTVTAMDVVY	H2	H2b27-47	Biotin-spacer-	KKRKRsrKESYSVYVYKVLKQ
D3	H468-88K77acK79me3	Biotin-spacer-	DAVTTYTEHAR⊕TVTAMDVVY	H3	H2b27-47S32phos	Biotin-spacer-	KKRKRsrKESYSVYVYKVLKQ
D4	H468-88K79me	Biotin-spacer-	DAVTTYTEHAKR⊕TVTAMDVVY	H4	H2b27-47S32phosS36phos	Biotin-spacer-	KKRKRsrKESYSVYVYKVLKQ
D5	H468-88K79me2	Biotin-spacer-	DAVTTYTEHAKRΠTVTAMDVVY	H5	H2b27-47S36phos	Biotin-spacer-	KKRKRsrKESYSVYVYKVLKQ
D6	H468-88K79me3	Biotin-spacer-	DAVTTYTEHAKR⊖TVTAMDVVY	H6	H2b27-47S36phosK43ac	Biotin-spacer-	KKRKRsrKESYSVYVYΔVLKQ
D7	H482-102	Biotin-spacer-	TAMDVVYALKRQGRTLYGFGG-acid	H7	H2b27-47K43ac	Biotin-spacer-	KKRKRsrKESYSVYVYΔVLKQ
D8	H482-102R92me	Biotin-spacer-	TAMDVVYALKΣQGRTLYGFGG-acid	H8	H2b37-57	Biotin-spacer-	YSVYVYKVLKQVHPDGTGISSK
D9	H482-102R92me2a	Biotin-spacer-	TAMDVVYALKΨQGRTLYGFGG-acid	H9	H2b37-57K43me	Biotin-spacer-	YSVYVY⊕VLKQVHPDGTGISSK
D10	H2a1-21	Biotin-spacer-	SGRGKQGGKARAKAKTRSSRA	H10	H2b37-57K43me2	Biotin-spacer-	YSVYVYΠVLKQVHPDGTGISSK
D11	H2a1-21S1phos	Biotin-spacer-	ΣGRGKQGGKARAKAKTRSSRA	H11	H2b37-57K43me3	Biotin-spacer-	YSVYVY⊖VLKQVHPDGTGISSK
D12	H2a1-21S1phosK5ac	Biotin-spacer-	ΣGRGΔQGGKARAKAKTRSSRA	H12		Control 2	

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