

Histone Set 3 - H3,H4 N-terminal Library

A1		Control 1		E1	H3 ₁₈₋₃₈ K23me	Ac-KQLAT Φ AARKSAPATGGVKKP	-spacer-Biotin
A2	H3 ₁₋₂₁	ARTKQTARKSTGGKAPRKQLA	-spacer-Biotin	E2	H3 ₁₈₋₃₈ K23me ₂	Ac-KQLAT Π AARKSAPATGGVKKP	-spacer-Biotin
A3	H3 ₁₋₂₁ R2me	A Σ TKQTARKSTGGKAPRKQLA	-spacer-Biotin	E3	H3 ₁₈₋₃₈ K23me ₃	Ac-KQLAT Θ AARKSAPATGGVKKP	-spacer-Biotin
A4	H3 ₁₋₂₁ R2me ₂ a	A Ψ TKQTARKSTGGKAPRKQLA	-spacer-Biotin	E4	H3 ₁₈₋₃₈ K23me ₂ R26me ₂ a	Ac-KQLAT Θ AA Ψ KSAPATGGVKKP	-spacer-Biotin
A5	H3 ₁₋₂₁ R2me ₂ aT3phos	A Ψ Ω KQTARKSTGGKAPRKQLA	-spacer-Biotin	E5	H3 ₁₈₋₃₈ K23me ₂ R26me ₂ aK27ac	Ac-KQLAT Θ AA Ψ Δ SAPATGGVKKP	-spacer-Biotin
A6	H3 ₁₋₂₁ R2me ₂ aT3phosK4me ₃	A Ψ Θ QTARKSTGGKAPRKQLA	-spacer-Biotin	E6	H3 ₂₀₋₄₀	Ac-LATKAARKSAPATGGVKKPHR	-spacer-Biotin
A7	H3 ₁₋₂₁ R2me ₂ aK4me ₃	A Ψ T Θ QTARKSTGGKAPRKQLA	-spacer-Biotin	E7	H3 ₂₀₋₄₀ R26me	Ac-LATKAA Σ KSAPATGGVKKPHR	-spacer-Biotin
A8	H3 ₁₋₂₁ T3phos	AR Ω KQTARKSTGGKAPRKQLA	-spacer-Biotin	E8	H3 ₂₀₋₄₀ R26me ₂ a	Ac-LATKAA Ψ KSAPATGGVKKPHR	-spacer-Biotin
A9	H3 ₁₋₂₁ T3phosK4me ₃	AR Θ Ω QTARKSTGGKAPRKQLA	-spacer-Biotin	E9	H3 ₂₀₋₄₀ R26me ₂ aK27ac	Ac-LATKAA Ψ Δ SAPATGGVKKPHR	-spacer-Biotin
A10	H3 ₁₋₂₁ K4me	ART Φ QTARKSTGGKAPRKQLA	-spacer-Biotin	E10	H3 ₂₀₋₄₀ R26me ₂ aK27acS28phos	Ac-LATKAA Ψ Δ SAPATGGVKKPHR	-spacer-Biotin
A11	H3 ₁₋₂₁ K4me ₂	ART Π QTARKSTGGKAPRKQLA	-spacer-Biotin	E11	H3 ₂₀₋₄₀ R26me ₂ aK27acS28phos	Ac-LATKAA Ψ Δ SAPATGGVKKPHR	-spacer-Biotin
A12	H3 ₁₋₂₁ K4me ₃	ART Θ QTARKSTGGKAPRKQLA	-spacer-Biotin	E12	H3 ₂₀₋₄₀ R26me ₂ aS28phos	Ac-LATKAA Ψ Δ SAPATGGVKKPHR	-spacer-Biotin
B1	H3 ₁₋₂₁ K4me ₃ K9ac	ART Θ QTAR Δ STGGKAPRKQLA	-spacer-Biotin	F1	H3 ₂₀₋₄₀ K27acS28phos	Ac-LATKAAR Δ SAPATGGVKKPHR	-spacer-Biotin
B2	H3 ₁₋₂₁ K4me ₃ K9me ₃	ART Θ QTAR Δ STGGKAPRKQLA	-spacer-Biotin	F2	H3 ₂₀₋₄₀ K27me	Ac-LATKAAR Δ SAPATGGVKKPHR	-spacer-Biotin
B3	H3 ₁₋₂₁ K9ac	ARTKQTAR Δ STGGKAPRKQLA	-spacer-Biotin	F3	H3 ₂₀₋₄₀ K27me ₂	Ac-LATKAAR Π SAPATGGVKKPHR	-spacer-Biotin
B4	H3 ₁₋₂₁ K9acS10phos	ARTKQTAR Δ Σ TGGKAPRKQLA	-spacer-Biotin	F4	H3 ₂₀₋₄₀ K27me ₃	Ac-LATKAAR Θ SAPATGGVKKPHR	-spacer-Biotin
B5	H3 ₁₋₂₁ K9acT11phos	ARTKQTAR Δ Σ Ω GKAPRKQLA	-spacer-Biotin	F5	H3 ₂₀₋₄₀ R26me ₂ aK27me ₃	Ac-LATKAA Ψ Θ SAPATGGVKKPHR	-spacer-Biotin
B6	H3 ₁₋₂₁ K9acS10phosT11phos	ARTKQTAR Δ Σ Ω GKAPRKQLA	-spacer-Biotin	F6	H3 ₂₀₋₄₀ R26me ₂ aK27me ₃ S28phos	Ac-LATKAAR Θ SAPATGGVKKPHR	-spacer-Biotin
B7	H3 ₁₋₂₁ K9me	ARTKQTAR Φ STGGKAPRKQLA	-spacer-Biotin	F7	H3 ₂₀₋₄₀ R26me ₂ aK27me ₃ S28phos	Ac-LATKAA Ψ Θ SAPATGGVKKPHR	-spacer-Biotin
B8	H3 ₁₋₂₁ K9me ₂	ARTKQTAR Π STGGKAPRKQLA	-spacer-Biotin	F8	H3 ₂₀₋₄₀ S28phos	Ac-LATKAAR Σ APATGGVKKPHR	-spacer-Biotin
B9	H3 ₁₋₂₁ K9me ₃	ARTKQTAR Θ STGGKAPRKQLA	-spacer-Biotin	F9	H4 ₁₋₂₁	SGRGKGGKGLGKGGAKRHRKV	-spacer-Biotin
B10	H3 ₁₋₂₁ K9me ₃ T11phos	ARTKQTAR Θ Σ Ω GKAPRKQLA	-spacer-Biotin	F10	H4 ₁₋₂₁ S1phos	Σ GRGKGGKGLGKGGAKRHRKV	-spacer-Biotin
B11	H3 ₁₋₂₁ K9me ₃ S10phos	ARTKQTAR Θ Σ TGGKAPRKQLA	-spacer-Biotin	F11	H4 ₁₋₂₁ R3me	SG Σ GKGGKGLGKGGAKRHRKV	-spacer-Biotin
B12	H3 ₁₋₂₁ K9me ₃ S10phosT11phos	ARTKQTAR Θ Σ Ω GKAPRKQLA	-spacer-Biotin	F12	H4 ₁₋₂₁ R3me ₂ a	SG Ψ GKGGKGLGKGGAKRHRKV	-spacer-Biotin
C1	H3 ₁₋₂₁ S10phos	ARTKQTARK Σ TGGKAPRKQLA	-spacer-Biotin	G1	H4 ₁₋₂₁ R3me ₂ aK5ac	SG Ψ Δ GKGGKGLGKGGAKRHRKV	-spacer-Biotin
C2	H3 ₁₋₂₁ T11phos	ARTKQTARKS Ω GKAPRKQLA	-spacer-Biotin	G2	H4 ₁₋₂₁ S1phosR3me ₂ aK5ac	Σ G Ψ Δ GKGGKGLGKGGAKRHRKV	-spacer-Biotin
C3	H3 ₁₋₂₁ S10phosT11phos	ARTKQTARK Σ Ω GKAPRKQLA	-spacer-Biotin	G3	H4 ₁₋₂₁ K5ac	SGRG Δ GKGGKGLGKGGAKRHRKV	-spacer-Biotin
C4	H3 ₄₋₂₄ S10phosT11phosK14ac	Ac-KQTARK Σ Ω GG Δ APRKQLATKA	-spacer-Biotin	G4	H4 ₁₋₂₁ K5acK8acK12ac	SGRG Δ GG Δ GLG Δ GGAKRHRKV	-spacer-Biotin
C5	H3 ₄₋₂₄ S10phosT11phosK14me ₃	Ac-KQTARK Σ Ω GG Θ APRKQLATKA	-spacer-Biotin	G5	H4 ₁₋₂₁ K5acK8ac	SGRG Δ GG Δ GLGKGGAKRHRKV	-spacer-Biotin
C6	H3 ₄₋₂₄ T11phosK14ac	Ac-KQTARKS Ω GG Δ APRKQLATKA	-spacer-Biotin	G6	H4 ₁₋₂₁ K8ac	SGRGKGG Δ GLGKGGAKRHRKV	-spacer-Biotin
C7	H3 ₄₋₂₄ T11phosK14me ₃	Ac-KQTARKS Ω GG Θ APRKQLATKA	-spacer-Biotin	G7	H4 ₁₋₂₁ K8acK12ac	SGRGKGG Δ GLG Δ GGAKRHRKV	-spacer-Biotin
C8	H3 ₄₋₂₄ K9acK14ac	Ac-KQTAR Δ STGG Δ APRKQLATKA	-spacer-Biotin	G8	H4 ₁₋₂₁ K12me	SGRGKGGKGLG Θ GGAKRHRKV	-spacer-Biotin
C9	H3 ₈₋₂₈ K14ac	Ac-RKSTGG Δ APRKQLATKAARKS	-spacer-Biotin	G9	H4 ₁₋₂₁ K12me ₂	SGRGKGGKGLG Π GGAKRHRKV	-spacer-Biotin
C10	H3 ₈₋₂₈ K14acR17me ₂ a	ARTKQTARKSTGGKAPRKQLA	-spacer-Biotin	G10	H4 ₁₋₂₁ K12me ₃	Ac-KQLAT Φ AARKSAPATGGVKKP	-spacer-Biotin
C11	H3 ₈₋₂₈ K14me	A Σ TKQTARKSTGGKAPRKQLA	-spacer-Biotin	G11	H4 ₁₋₂₁ K8acK12me	Ac-KQLAT Π AARKSAPATGGVKKP	-spacer-Biotin
C12	H3 ₈₋₂₈ K14me ₂	A Ψ TKQTARKSTGGKAPRKQLA	-spacer-Biotin	G12	H4 ₁₋₂₁ K8acK12me ₃	Ac-KQLAT Θ AARKSAPATGGVKKP	-spacer-Biotin
D1	H3 ₈₋₂₈ K14me ₃	Ac-RKSTGG Δ AP Ψ KQLATKAARKS	-spacer-Biotin	H1	H4 ₆₋₂₆ K12meK16ac	SGRGKGGKGLG Θ GGAKRHRKV	-spacer-Biotin
D2	H3 ₈₋₂₈ K14me ₃ R17me ₂ a	Ac-RKSTGG Φ APRKQLATKAARKS	-spacer-Biotin	H2	H4 ₆₋₂₆ K12me ₃ K16ac	SGRGKGG Δ GLG Θ GGAKRHRKV	-spacer-Biotin
D3	H3 ₈₋₂₈ R17me	Ac-RKSTGG Π APRKQLATKAARKS	-spacer-Biotin	H3	H4 ₆₋₂₆ K16ac	SGRGKGG Δ GLG Θ GGAKRHRKV	-spacer-Biotin
D4	H3 ₈₋₂₈ R17me ₂ a	Ac-RKSTGG Φ APRKQLATKAARKS	-spacer-Biotin	H4	H4 ₁₁₋₃₁	Ac-GGKGLG Φ GG Δ RHRKVLDRDNI	-spacer-Biotin
D5	H3 ₈₋₂₈ K14acK18ac	Ac-RKSTGG Θ AP Ψ KQLATKAARKS	-spacer-Biotin	H5	H4 ₁₁₋₃₁ K20ac	Ac-GGKGLG Θ GG Δ RHRKVLDRDNI	-spacer-Biotin
D6	H3 ₁₂₋₃₂ R17me ₂ aK18ac	Ac-RKSTGGKAP Σ KQLATKAARKS	-spacer-Biotin	H6	H4 ₁₁₋₃₁ K16acK20ac	Ac-GGKGLGKGG Δ RHRKVLDRDNI	-spacer-Biotin
D7	H3 ₁₂₋₃₂ K18ac	Ac-RKSTGGKAP Ψ KQLATKAARKS	-spacer-Biotin	H7	H4 ₁₁₋₃₁ K16acK20me	Ac-GGKGAARHRKVLDRDNIQGITK	-spacer-Biotin
D8	H3 ₁₂₋₃₂ K18acK23me ₃	Ac-RKSTGG Δ APR Δ QLATKAARKS	-spacer-Biotin	H8	H4 ₁₁₋₃₁ K16acK20me ₃	Ac-GGKGAARHR Δ VLRDNIQGITK	-spacer-Biotin
D9	H3 ₁₂₋₃₂ K18acK23ac	Ac-GGKAP Ψ Δ QLATKAARKSAPAT	-spacer-Biotin	H9	H4 ₁₁₋₃₁ K20me	Ac-GGKGAARHR Φ VLRDNIQGITK	-spacer-Biotin
D10	H3 ₁₈₋₃₈ K23ac	Ac-GGKAPR Δ QLATKAARKSAPAT	-spacer-Biotin	H10	H4 ₁₁₋₃₁ K20me ₂	Ac-GGKGAARHR Θ VLRDNIQGITK	-spacer-Biotin
D11	H3 ₁₈₋₃₈ K23acR26me ₂ a	Ac-GGKAPR Δ QLAT Φ AARKSAPAT	-spacer-Biotin	H11	H4 ₁₁₋₃₁ K20me ₃	Control 2	-spacer-Biotin
D12	H3 ₁₈₋₃₈ K23acR26me ₂ aK27ac	Ac-GGKAPR Δ QLAT Δ AARKSAPAT	-spacer-Biotin	H12			

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		Ac- = N-terminal acetylation	