

Histone Set 1 - H3 Library

A1		Control 1		E1	H3 ₁₄₋₃₄ K23me	Biotin-spacer-	KAPRKQLAT Φ AARKSAPATGG
A2	H3 ₁₋₂₁	Biotin-spacer-	ARTKQTARKSTGGKAPRKQLA	E2	H3 ₁₄₋₃₄ K23me ₂	Biotin-spacer-	KAPRKQLAT Π AARKSAPATGG
A3	H3 ₁₋₂₁ R2me	Biotin-spacer-	A Σ TKQTARKSTGGKAPRKQLA	E3	H3 ₁₄₋₃₄ K23me ₃	Biotin-spacer-	KAPRKQLAT Θ AARKSAPATGG
A4	H3 ₁₋₂₁ R2me ₂ a	Biotin-spacer-	A Ψ TKQTARKSTGGKAPRKQLA	E4	H3 ₁₄₋₃₄ K23me ₃ R26me ₂ a	Biotin-spacer-	KAPRKQLAT Θ A Ψ KSAPATGG
A5	H3 ₁₋₂₁ R2me ₂ aT3phos	Biotin-spacer-	A Ψ Ω KQTARKSTGGKAPRKQLA	E5	H3 ₁₄₋₃₄ K23me ₃ R26me ₂ aK27ac	Biotin-spacer-	KAPRKQLAT Θ A Ψ Δ SAPATGG
A6	H3 ₁₋₂₁ R2me ₂ aT3phos K4me ₃	Biotin-spacer-	A Ψ Ω Θ QTARKSTGGKAPRKQLA	E6	H3 ₁₄₋₃₄ R26me	Biotin-spacer-	KAPRKQLATKAA Σ KSAPATGG
A7	H3 ₁₋₂₁ R2me ₂ aK4me ₃	Biotin-spacer-	A Ψ T Θ QTARKSTGGKAPRKQLA	E7	H3 ₁₄₋₃₄ R26me ₂ a	Biotin-spacer-	KAPRKQLATKAA Ψ KSAPATGG
A8	H3 ₁₋₂₁ T3phos	Biotin-spacer-	AR Ω KQTARKSTGGKAPRKQLA	E8	H3 ₁₄₋₃₄ R26me ₂ aK27ac	Biotin-spacer-	KAPRKQLATKAA Ψ Δ SAPATGG
A9	H3 ₁₋₂₁ T3phosK4me ₃	Biotin-spacer-	AR Ω Θ QTARKSTGGKAPRKQLA	E9	H3 ₁₄₋₃₄ R26me ₂ aK27acS28phos	Biotin-spacer-	KAPRKQLATKAA Ψ Δ SAPATGG
A10	H3 ₁₋₂₁ K4me	Biotin-spacer-	ART Θ QTARKSTGGKAPRKQLA	E10	H3 ₁₄₋₃₄ R26me ₂ aS28phos	Biotin-spacer-	KAPRKQLATKAA Ψ K Σ APATGG
A11	H3 ₁₋₂₁ K4me ₂	Biotin-spacer-	ART Π QTARKSTGGKAPRKQLA	E11	H3 ₁₄₋₃₄ K27ac	Biotin-spacer-	KAPRKQLATKAA Θ SAPATGG
A12	H3 ₁₋₂₁ K4me ₃	Biotin-spacer-	ART Θ QTARKSTGGKAPRKQLA	E12	H3 ₁₄₋₃₄ K27acS28phos	Biotin-spacer-	KAPRKQLATKAA Θ Δ SAPATGG
B1	H3 ₁₋₂₁ K4me ₃ K9ac	Biotin-spacer-	ART Θ QTAR Δ STGGKAPRKQLA	F1	H3 ₁₄₋₃₄ K27me	Biotin-spacer-	KAPRKQLATKAAR Φ SAPATGG
B2	H3 ₁₋₂₁ K4me ₃ K9me ₃	Biotin-spacer-	ART Θ QTAR Θ STGGKAPRKQLA	F2	H3 ₁₄₋₃₄ K27me ₂	Biotin-spacer-	KAPRKQLATKAAR Π SAPATGG
B3	H3 ₁₋₂₁ K9ac	Biotin-spacer-	ARTKQTAR Δ STGGKAPRKQLA	F3	H3 ₁₄₋₃₄ K27me ₃	Biotin-spacer-	KAPRKQLATKAA Θ SAPATGG
B4	H3 ₁₋₂₁ K9acS10phos	Biotin-spacer-	ARTKQTAR Δ Σ STGGKAPRKQLA	F4	H3 ₁₄₋₃₄ R26me ₂ aK27me ₃	Biotin-spacer-	KAPRKQLATKAA Ψ Θ SAPATGG
B5	H3 ₁₋₂₁ K9acT11phos	Biotin-spacer-	ARTKQTAR Δ S Ω GGKAPRKQLA	F5	H3 ₁₄₋₃₄ K27me ₃ S28phos	Biotin-spacer-	KAPRKQLATKAA Θ Δ SAPATGG
B6	H3 ₁₋₂₁ K9acS10phosT11phos	Biotin-spacer-	ARTKQTAR Δ Σ Ω GGKAPRKQLA	F6	H3 ₁₄₋₃₄ R26me ₂ aK27me ₃ S28phos	Biotin-spacer-	KAPRKQLATKAA Ψ Θ Σ APATGG
B7	H3 ₁₋₂₁ K9me	Biotin-spacer-	ARTKQTAR Θ STGGKAPRKQLA	F7	H3 ₁₄₋₃₄ S28phos	Biotin-spacer-	KAPRKQLATKAA Θ K Σ APATGG
B8	H3 ₁₋₂₁ K9me ₂	Biotin-spacer-	ARTKQTAR Π STGGKAPRKQLA	F8	H3 ₁₈₋₃₈ S28phosT32phos	Biotin-spacer-	KQLATKAARK Σ APA Ω GGVKKP
B9	H3 ₁₋₂₁ K9me ₃	Biotin-spacer-	ARTKQTAR Θ STGGKAPRKQLA	F9	H3 ₂₈₋₄₈	Biotin-spacer-	SAPATGGVKKPHRYRPGTVAL
B10	H3 ₁₋₂₁ K9me ₃ T11phos	Biotin-spacer-	ARTKQTAR Θ S Ω GGKAPRKQLA	F10	H3 ₂₈₋₄₈ T32phos	Biotin-spacer-	SAPA Ω GGVKKPHRYRPGTVAL
B11	H3 ₁₋₂₁ K9me ₃ S10phos	Biotin-spacer-	ARTKQTAR Θ Σ STGGKAPRKQLA	F11	H3 ₂₈₋₄₈ K36me	Biotin-spacer-	SAPATGGV Π KPHRYRPGTVAL
B12	H3 ₁₋₂₁ K9me ₃ S10phosT11phos	Biotin-spacer-	ARTKQTAR Θ Σ Ω GGKAPRKQLA	F12	H3 ₂₈₋₄₈ K36me ₂	Biotin-spacer-	SAPATGGV Π KPHRYRPGTVAL
C1	H3 ₁₋₂₁ S10phos	Biotin-spacer-	ARTKQTARK Σ STGGKAPRKQLA	G1	H3 ₂₈₋₄₈ K36me ₃	Biotin-spacer-	SAPATGGV Θ KPHRYRPGTVAL
C2	H3 ₁₋₂₁ T11phos	Biotin-spacer-	ARTKQTARKS Ω GGKAPRKQLA	G2	H3 ₂₈₋₄₈ T32phosK36me ₃	Biotin-spacer-	SAPA Ω GGV Θ KPHRYRPGTVAL
C3	H3 ₁₋₂₁ S10phosT11phos	Biotin-spacer-	ARTKQTARK Σ Ω GGKAPRKQLA	G3	H3 ₂₈₋₄₈ K37me	Biotin-spacer-	SAPATGGV Φ KPHRYRPGTVAL
C4	H3 ₁₋₂₁ S10phosT11phosK14ac	Biotin-spacer-	ARTKQTARK Σ Ω GG Δ APRKQLA	G4	H3 ₂₈₋₄₈ K37me ₂	Biotin-spacer-	SAPATGGV Π KPHRYRPGTVAL
C5	H3 ₁₋₂₁ S10phosT11phosK14me ₃	Biotin-spacer-	ARTKQTARK Σ Ω GG Θ APRKQLA	G5	H3 ₂₈₋₄₈ K37me ₃	Biotin-spacer-	SAPATGGV Θ KPHRYRPGTVAL
C6	H3 ₁₋₂₁ T11phosK14ac	Biotin-spacer-	ARTKQTARKS Ω GG Δ APRKQLA	G6	H3 ₂₈₋₄₈ T32phosK37me ₃	Biotin-spacer-	SAPA Ω GGV Θ KPHRYRPGTVAL
C7	H3 ₁₋₂₁ T11phosK14me ₃	Biotin-spacer-	ARTKQTARKS Ω GG Θ APRKQLA	G7	H3 ₂₈₋₄₈ K36me ₃ K37me ₃	Biotin-spacer-	SAPATGGV Θ Θ KPHRYRPGTVAL
C8	H3 ₁₋₂₁ K14ac	Biotin-spacer-	ARTKQTARKSTGG Δ APRKQLA	G8	H3 ₂₈₋₄₈ T32phosK36me ₃ K37me ₃	Biotin-spacer-	SAPA Ω GGV Θ KPHRYRPGTVAL
C9	H3 ₁₋₂₁ K14acR17me ₂ a	Biotin-spacer-	ARTKQTARKSTGG Δ AP Ψ KQLA	G9	H3 ₇₁₋₉₁	Biotin-spacer-	VREIAQDFKTDLRFQSSAVMA
C10	H3 ₁₋₂₁ K14me	Biotin-spacer-	ARTKQTARKSTGG Φ APRKQLA	G10	H3 ₇₁₋₉₁ K79me	Biotin-spacer-	VREIAQDF Φ TDLRFQSSAVMA
C11	H3 ₁₋₂₁ K14me ₂	Biotin-spacer-	ARTKQTARKSTGG Π APRKQLA	G11	H3 ₇₁₋₉₁ K79me ₂	Biotin-spacer-	VREIAQDF Π TDLRFQSSAVMA
C12	H3 ₁₋₂₁ K14me ₃	Biotin-spacer-	ARTKQTARKSTGG Θ APRKQLA	G12	H3 ₇₁₋₉₁ K79me ₃	Biotin-spacer-	VREIAQDF Π KDLRFQSSAVMA
D1	H3 ₁₋₂₁ K14me ₃ R17me ₂ a	Biotin-spacer-	ARTKQTARKSTGG Θ AP Ψ KQLA	H1	H3 ₁₁₀₋₁₃₀	Biotin-spacer-	CAIHAKRVT IMPKDIQLARRI
D2	H3 ₁₋₂₁ R17me	Biotin-spacer-	ARTKQTARKSTGGKAP Σ KQLA	H2	H3 ₁₁₀₋₁₃₀ K115ac	Biotin-spacer-	CAIHA Δ RVTIMPKDIQLARRI
D3	H3 ₁₋₂₁ R17me ₂ a	Biotin-spacer-	ARTKQTARKSTGGKAP Ψ KQLA	H3	H3 ₁₁₀₋₁₃₀ K115acT118phos	Biotin-spacer-	CAIHA Δ RV Ω IMPKDIQLARRI
D4	H3 ₁₄₋₃₄	Biotin-spacer-	KAPRKQLATKAAARKSAPATGG	H4	H3 ₁₁₀₋₁₃₀ T118phos	Biotin-spacer-	CAIHA Δ RV Ω IMPKDIQLARRI
D5	H3 ₁₄₋₃₄ R17me ₂ aK18ac	Biotin-spacer-	KAPR Ψ Δ QLATKAAARKSAPATGG	H5	H3 ₁₁₀₋₁₃₀ K122ac	Biotin-spacer-	CAIHA Δ RV Ω IMPKDIQLARRI
D6	H3 ₁₄₋₃₄ K18ac	Biotin-spacer-	KAPR Δ QLATKAAARKSAPATGG	H6	H3 ₁₁₀₋₁₃₀ T118phosK122ac	Biotin-spacer-	CAIHA Δ RV Ω IMPKDIQLARRI
D7	H3 ₁₄₋₃₄ K18acK23me ₃	Biotin-spacer-	KAPR Δ QLAT Θ AARKSAPATGG	H7	H3 ₁₁₀₋₁₃₀ K115acT118phosK122ac	Biotin-spacer-	CAIHA Δ RV Ω IMPKDIQLARRI
D8	H3 ₁₄₋₃₄ K18acK23me	Biotin-spacer-	KAPR Δ QLAT Φ AARKSAPATGG	H8	H3 ₁₁₅₋₁₃₅	Biotin-spacer-	KRVTIMPKDIQLARRIRGERA-acid
D9	H3 ₁₄₋₃₄ K18acK23ac	Biotin-spacer-	KAPR Δ QLAT Δ AARKSAPATGG	H9	H3 ₁₁₅₋₁₃₅ R128me	Biotin-spacer-	KRVTIMPKDIQLA Σ RIRGERA-acid
D10	H3 ₁₄₋₃₄ K23ac	Biotin-spacer-	KAPRKQLAT Δ AARKSAPATGG	H10	H3 ₁₁₅₋₁₃₅ R128me ₂ a	Biotin-spacer-	KRVTIMPKDIQLA Ψ RIRGERA-acid
D11	H3 ₁₄₋₃₄ K23acR26me ₂ a	Biotin-spacer-	KAPRKQLAT Δ A Ψ KSAPATGG	H11	H3 ₁₁₅₋₁₃₅ K122acR128me ₂ a	Biotin-spacer-	KRVTIMP Δ DIQLA Ψ RIRGERA-acid
D12	H3 ₁₄₋₃₄ K23acR26me ₂ aK27ac	Biotin-spacer-	KAPRKQLAT Δ A Ψ Δ SAPATGG	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.	