Supplemental Figure 5 H2B1H

PLD P A K S A PLA PLK IG'SKK A VLTKAQK KDG KK'RKRSRKES Y'SLVYVYVKU LKQUV H P D'TL GLLSSK A MG I M N SFLV NDLI F ER I A GE ALS RL AHYN K RSLT ILTSRELI QTLA V RLLL L P G E L AKHA V'SLE G T KLA V T KLY T S S¹K

H2B1K

$$\begin{split} \mathbf{P}_{\mathbf{L}\mathbf{E}} & \mathbf{P}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{S}^{\mathbf{A}} & \mathbf{P}^{\mathbf{A}}\mathbf{P}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{S}^{\mathbf{A}}\mathbf{V}^{\mathbf{A}}\mathbf{V}^{\mathbf{A}}\mathbf{V}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{N}^{\mathbf{A}}\mathbf{K}^{\mathbf{A}}\mathbf{N}^{\mathbf{$$

H2B1C

H2B1J

PLE PJAJKJSJA PJA PJK[KJGJSJKJKJAJVJTJKJAJQJKJKJDJGJ KJKJRJK[RJSJRJK]EJS[Y]S]I [Y]VJYJKLV LJKLQLV H PLDJT GLI S]SLK A M]G I M N SLFLV NDDLILF E]R I AJGLE A S RLL A H]Y]N K R]SLT I T SLR]ELI QLT A VLRLDLL PLGL E L ALKLH A V SLE G TLKLA V TLKLYLTLS A K

H2B1O

PLD PAKSAPAPK'R'G'S'K'KAV'TKAQ'KK'D' K'K'RK'R'SRKE'S'Y'S'ILYVYKY'LKQ'H PDT GIISSKAMGIIMNSFVNJILFERIAGEAS RLAHIYMKRESTLITESREILQTAVKRLLL PG ELLAKKHAVSEGTLKAVTKLISSK

H2B1N

H2B2E

H2B2F

H2B1D

Ρ_ΙΕ Ρ^ΊΤ Κ S A Ρ^ΊA Ρ^ΊΚ¹G¹S¹K¹A V ΤͺΚ¹A¹QͺΚ ΚͺϸϳG Κ¹K¹R¹K¹R²S¹K¹E³S¹X¹Y¹V¹Y¹X¹V¹X¹Q₁V¹H P₁D¹T G¹S³K A M³G I₁M³M³S³F¹V M³D¹F E³R I¹A₁G¹E³A³ R₁L₁A₁H¹Y¹N K₁R³S₁T₁T¹S S²R²L₁L₁C¹T S²R²L₁C¹T S²R²C¹C¹T S²R²C¹C¹T S²R²C¹C¹T S²R²C¹C¹T S²R²C¹C¹T S²R²C¹C¹T S³R²C¹C¹T S²R²C¹C¹T S³R²C¹C¹T S³R²C¹T S³R³C¹C¹T S³R³C¹C¹T S³R³C¹T S³C¹T S³C¹

H2B1B

PLE PISKISAPAPKIK GISLKKAI TIKIAQIKKIDG KKRIKRISLRKELSYSILYLVLKVLKQVH PLDTL GLISLSKAMGIMULSIFLVLNDLIFELRIAGEASI RLAHLYLLKRLSTLITSLRELIQTAVRLLLPG ELAKHAVSLEGTLKAVTLKLTSSK

Supplemental Fig.5. Fragmentation maps for H2B variants. c and z ions are marked.