

Peptide array: Histone H2B (ab213225)

Area under curve (AUC) data for all peptides on the pad. Antigen-containing peptides are highlighted in green.

| Cell Ref | AUC         | Peptide                                                 |
|----------|-------------|---------------------------------------------------------|
| A1       | 7.186690625 | ab10112 - H4 K91ac                                      |
| A2       | 6.184033333 | ab10121 - H2B K85ac                                     |
| A3       | 6.277476042 | ab10127 - H2A K95me2                                    |
| A4       | 7.922328125 | ab10138 - H1.4 T17p                                     |
| A5       | 8.080557292 | ab10139 - H1.4 T146p                                    |
| A6       | 6.168888542 | ab113997 - H2A.X Y142p                                  |
| A7       | 3.949552083 | ab11477 - H3 S10p                                       |
| A8       | 7.991176042 | ab12946 - H2B K5me3                                     |
| A9       | 4.225984375 | ab12949 - H2B K23me2                                    |
| A10      | 9.128332292 | ab12952 - H2A K127me1                                   |
| A11      | 6.815222917 | ab13211 - H2B K5me1                                     |
| A12      | 7.983765625 | ab1340 - H3 K4me1                                       |
| A13      | 5.909022917 | ab13570 - H2B K43me1                                    |
| A14      | 6.39593125  | ab13835 - HA                                            |
| A15      | 7.861195833 | ab13837 - Myc                                           |
| A16      | 63.89231563 | ab140408 - Sch2B T129p                                  |
| A17      | 5.531657292 | ab14103 - H3 T6p                                        |
| A18      | 6.503621875 | ab14724 - H4 S1p                                        |
| A19      | 5.90025625  | ab14799 - H3 T32p                                       |
| A20      | 6.023697917 | ab14943 - His                                           |
| A21      | 9.22140625  | ab14952 - H2A R77me2s                                   |
| A22      | 6.521297917 | ab14964 - H4 K20me2                                     |
| A23      | 8.776952083 | ab14997 - Sch2A K21ac                                   |
| A24      | 5.61941875  | ab154782 - H3 R26me2s                                   |
| A25      | 9.002295833 | ab15591 - H3 K14ac                                      |
| B1       | 4.804076042 | ab15644 - H3 K9me3 + S10p                               |
| B2       | 5.368879167 | ab15645 - H2A.X S139p                                   |
| B3       | 6.935789583 | ab15824 - H4 K8ac                                       |
| B4       | 10.14236042 | ab15829 - V5                                            |
| B5       | 7.291477083 | ab16635 - H3 K9ac                                       |
| B6       | 6.0353      | ab166685 - H2B S112GlcNAc                               |
| B7       | 8.814034375 | ab166688 - H2B S36GlcNAc                                |
| B8       | 9.280985417 | ab16935 - H3 R17me2a                                    |
| B9       | 6.426873958 | ab17043 - H4 K20me1                                     |
| B10      | 9.856707292 | ab17162 - H3 P16hyd + P30hyd                            |
| B11      | 6.436101042 | ab17567 - H4 K20me3                                     |
| B12      | 8.650607292 | ab17587 - H1.4 K25me3                                   |
| B13      | 7.634401042 | ab175905 - H2B K11ac                                    |
| B14      | 5.954148958 | ab176211 - H2B K23ac                                    |
| B15      | 7.100790625 | ab17632 - H4 K5bio                                      |
| B16      | 8.1116625   | ab1771 - H3 K9me1                                       |
| B17      | 6.96555     | ab1773 - H3 K9me3                                       |
| B18      | 6.008455208 | ab17770 - H4 R3me1                                      |
| B19      | 5.352428125 | ab1781 - H3 K27me2                                      |
| B20      | 7.35084375  | ab1783 - H3 K36me1                                      |
| B21      | 8.030484375 | ab1784 - H3 K36me2                                      |
| B22      | 7.521576042 | ab1785 - H3 K36me3                                      |
| B23      | 8.087647917 | ab178667 - Sch2A unmod(1-30)                            |
| B24      | 6.050326042 | ab178668 - Sch2A unmod(102-132)                         |
| B25      | 9.899719792 | ab178670 - H2A.Z unmod(1-30)                            |
| C1       | 7.375298958 | ab178833 - Flag                                         |
| C2       | 7.691873958 | ab178835 - H2B R99mutO                                  |
| C3       | 7.408209375 | ab178836 - H4 R23mutO                                   |
| C4       | 8.293915625 | ab178837 - H4 G48mutD                                   |
| C5       | 8.650309375 | ab178987 - H1.4 unmod(1-30)                             |
| C6       | 6.335735417 | ab178988 - H1.4 S1p                                     |
| C7       | 8.669654167 | ab178989 - H1.4 T3p                                     |
| C8       | 5.169295833 | ab178990 - H1.4 S1p + T3p                               |
| C9       | 436.5123063 | ab178991 - H1.4 K25me1                                  |
| C10      | 7.277190625 | ab178992 - H1.4 K25me3 + S26p                           |
| C11      | 9.050417708 | ab178993 - H1.4 unmod(130-160)                          |
| C12      | 8.261701042 | ab178994 - H2A unmod(1-30)                              |
| C13      | 8.508435417 | ab178995 - H2A S1p                                      |
| C14      | 7.300232292 | ab178996 - H2A S1p + K5ac                               |
| C15      | 8.210533333 | ab178997 - H2A S1p + R3me2a + K5ac                      |
| C16      | 5.298955208 | ab178998 - H2A S1p + R3me2s + K5ac                      |
| C17      | 8.721307292 | ab178999 - H2A S1p + R3cit + K5ac                       |
| C18      | 6.719710417 | ab179000 - H2A S1ac + S1p + K5ac + K9ac + K13ac + K15ac |
| C19      | 8.457991667 | ab179001 - H2A S1p + K5ac + K9ac + K13ac + K15ac        |
| C20      | 7.44325     | ab179002 - H2A R3cit                                    |

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|-----|-------------|---------------------------------------------------|
| C21 | 5.710923958 | ab179003 - H2A R3cit + K5ac                       |
| C22 | 4.990627083 | ab179004 - H2A R3me2a + K5ac                      |
| C23 | 4.897619792 | ab179005 - H2A R3me2s + K5ac                      |
| C24 | 5.128461458 | ab179006 - H2A S1ac + K5ac + K9ac + K13ac + K15ac |
| C25 | 11.12666979 | ab179007 - H2A K5ac + K9ac + K13ac + K15ac        |
| D1  | 7.66345625  | ab179008 - H2A K9me2                              |
| D2  | 5.947007292 | ab179009 - H2A K9me3                              |
| D3  | 7.7295375   | ab179010 - H2A R11me1                             |
| D4  | 6.747541667 | ab179011 - H2A R11me2s                            |
| D5  | 8.027010417 | ab179012 - H2A R11me2a                            |
| D6  | 8.310432292 | ab179013 - H2A K13ac                              |
| D7  | 19.39974375 | ab179014 - H2A K15ac                              |
| D8  | 3.280172917 | ab179015 - H2A R17me1                             |
| D9  | 7.188576042 | ab179016 - H2A R17me2s                            |
| D10 | 8.821316667 | ab179017 - H2A R17me2a                            |
| D11 | 8.99813125  | ab179018 - H2A unmod(20-50)                       |
| D12 | 8.006477083 | ab179019 - H2A P26hyd                             |
| D13 | 6.434577083 | ab179020 - H2A R29me1                             |
| D14 | 9.824044792 | ab179021 - H2A R29me2s                            |
| D15 | 5.063075    | ab179022 - H2A R29me2a                            |
| D16 | 9.419441667 | ab179023 - H2A K36ac                              |
| D17 | 6.578338542 | ab179024 - H2A K36cr                              |
| D18 | 7.646572917 | ab179025 - H2A Y39hyd                             |
| D19 | 6.414189583 | ab179026 - H2A R42me1                             |
| D20 | 9.162533333 | ab179027 - H2A R42me2s                            |
| D21 | 6.091094792 | ab179028 - H2A R42me2a                            |
| D22 | 7.868313542 | ab179029 - H2A unmod(71-103)                      |
| D23 | 5.045242708 | ab179030 - H2A R77me1                             |
| D24 | 7.527883333 | ab179031 - H2A R77me2a                            |
| D25 | 6.2135875   | ab179032 - H2A R88me1                             |
| E1  | 6.597445833 | ab179033 - H2A R88me2s                            |
| E2  | 4.915760417 | ab179034 - H2A R88me2a                            |
| E3  | 5.17841875  | ab179035 - H2A K95me1                             |
| E4  | 5.086791667 | ab179036 - H2A K95me3                             |
| E5  | 5.762216667 | ab179037 - H2A unmod(92-123)                      |
| E6  | 9.363048958 | ab179038 - H2A T101GlcNAc                         |
| E7  | 9.535241667 | ab179039 - H2A Q104me1                            |
| E8  | 6.664892708 | ab179040 - H2A unmod(112-129)                     |
| E9  | 6.442565625 | ab179041 - H2A K118me1                            |
| E10 | 6.610717708 | ab179042 - H2A K118me2                            |
| E11 | 8.605202083 | ab179043 - H2A K118me3                            |
| E12 | 7.364905208 | ab179044 - H2A K118fo                             |
| E13 | 8.774266667 | ab179045 - H2A K118cr                             |
| E14 | 6.284847917 | ab179046 - H2A K119cr                             |
| E15 | 8.70383125  | ab179047 - H2A K118ubiq                           |
| E16 | 5.171577083 | ab179048 - H2A K119ubiq                           |
| E17 | 9.026941667 | ab179049 - H2A T120p                              |
| E18 | 6.951651042 | ab179050 - H2A K125me1                            |
| E19 | 6.988302083 | ab179051 - H2A K125me2                            |
| E20 | 5.1026      | ab179052 - H2A K125cr                             |
| E21 | 34.82494479 | ab179053 - H2A.X unmod(1-30)                      |
| E22 | 4.638655208 | ab179054 - H2A.X K5ac                             |
| E23 | 5.492676042 | ab179055 - H2A.X unmod(114-142)                   |
| E24 | 5.940389583 | ab179056 - H2A.X K118ubiq                         |
| E25 | 5.662711458 | ab179057 - H2A.X K119ubiq                         |
| F1  | 6.654015625 | ab179058 - H2A.X T120p                            |
| F2  | 6.204739583 | ab179059 - H2A.X K127ubiq                         |
| F3  | 5.285059375 | ab179060 - H2A.X S139p + Y142p                    |
| F4  | 6.262591667 | ab179061 - H2A.Z K4ac                             |
| F5  | 4.915935417 | ab179062 - H2A.Z K7ac                             |
| F6  | 6.305122917 | ab179063 - H2A.Z K11ac                            |
| F7  | 3.995110417 | ab179064 - H2A.Z K4ac + K7ac + K11ac              |
| F8  | 7.730967708 | ab179065 - H2B unmod(1-30)                        |
| F9  | 5.201516667 | ab179066 - H2B K5ac                               |
| F10 | 10.82738021 | ab179067 - H2B K5cr                               |
| F11 | 4.67613125  | ab179068 - H2B K5fo                               |
| F12 | 4.309010417 | ab179069 - H2B P10hyd                             |
| F13 | 5.458325    | ab179070 - H2B K11me1                             |
| F14 | 10.38131667 | ab179071 - H2B K11me2                             |
| F15 | 8.150490625 | ab179072 - H2B K11me3                             |
| F16 | 7.8591875   | ab179073 - H2B K11cr                              |
| F17 | 6.613795833 | ab179074 - H2B K12ac                              |
| F18 | 9.344359375 | ab179075 - H2B K12cr                              |
| F19 | 6.788313542 | ab179076 - H2B K12me1                             |

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| F20 | 8.26126875  | ab179077 - H2B K12me2                               |
| F21 | 5.217107292 | ab179078 - H2B K12me3                               |
| F22 | 10.69668542 | ab179079 - H2B K12ac + K15ac                        |
| F23 | 6.021005208 | ab179080 - H2B S14p                                 |
| F24 | 8.706689583 | ab179081 - H2B K15ac                                |
| F25 | 5.689803125 | ab179082 - H2B K15cr                                |
| G1  | 11.6092125  | ab179083 - H2B K15me1                               |
| G2  | 4.525182292 | ab179084 - H2B K15me2                               |
| G3  | 10.60457188 | ab179085 - H2B K15me3                               |
| G4  | 4.918145833 | ab179086 - H2B K16ac                                |
| G5  | 6.306836458 | ab179087 - H2B K16cr                                |
| G6  | 4.813532292 | ab179088 - H2B K20ac                                |
| G7  | 5.691875    | ab179089 - H2B K20cr                                |
| G8  | 5.204825    | ab179090 - H2B K20me1                               |
| G9  | 6.01075625  | ab179091 - H2B K20me2                               |
| G10 | 4.420354167 | ab179092 - H2B K20me3                               |
| G11 | 5.27565625  | ab179093 - H2B K23cr                                |
| G12 | 8.382259375 | ab179094 - H2B K23me1                               |
| G13 | 7.13644375  | ab179095 - H2B K23me3                               |
| G14 | 5.130608333 | ab179096 - H2B K24ac                                |
| G15 | 10.37690208 | ab179097 - H2B unmod(26-56)                         |
| G16 | 7.165195833 | ab179098 - H2B K34cr                                |
| G17 | 4.783323958 | ab179099 - H2B K34fo                                |
| G18 | 8.4926625   | ab179100 - H2B Y37hyd                               |
| G19 | 7.463986458 | ab179101 - H2B Y37p                                 |
| G20 | 7.292198958 | ab179102 - H2B K43me2                               |
| G21 | 5.908483333 | ab179103 - H2B K43me3                               |
| G22 | 11.130575   | ab179104 - H2B K46fo                                |
| G23 | 5.267786458 | ab179105 - H2B K46ac                                |
| G24 | 9.36959375  | ab179106 - H2B K46me1                               |
| G25 | 4.873927083 | ab179107 - H2B K46me2                               |
| H1  | 10.41772188 | ab179108 - H2B K46me3                               |
| H2  | 6.170358333 | ab179109 - H2B unmod(51-81)                         |
| H3  | 10.93446458 | ab179110 - H2B K57me1                               |
| H4  | 5.258422917 | ab179111 - H2B K57me2                               |
| H5  | 11.56532292 | ab179112 - H2B K57me3                               |
| H6  | 6.026286458 | ab179113 - H2B unmod(73-103)                        |
| H7  | 7.226241667 | ab179114 - H2B R79me1                               |
| H8  | 4.537997917 | ab179115 - H2B R79me2s                              |
| H9  | 8.054091667 | ab179116 - H2B R79me2a                              |
| H10 | 6.125428125 | ab179117 - H2B Y83hyd                               |
| H11 | 5.1092125   | ab179118 - H2B K85me1                               |
| H12 | 4.279405208 | ab179119 - H2B K85me2                               |
| H13 | 4.991728125 | ab179120 - H2B K85me3                               |
| H14 | 454.6828521 | ab179121 - H2B unmod(94-125)                        |
| H15 | 4.57715     | ab179122 - H2B R99me1                               |
| H16 | 7.6511125   | ab179123 - H2B R99me2s                              |
| H17 | 5.605761458 | ab179124 - H2B R99me2a                              |
| H18 | 4.623275    | ab179125 - H2B K108fo                               |
| H19 | 522.5507115 | ab179126 - H2B K116fo                               |
| H20 | 1116.300877 | ab179127 - H2B K116me1                              |
| H21 | 1526.397336 | ab179128 - H2B K116me2                              |
| H22 | 56.13339479 | ab179129 - H2B K116me3                              |
| H23 | 112.7260063 | ab179130 - H2B K116ubiq                             |
| H24 | 7.353566667 | ab179131 - H2B K120ac                               |
| H25 | 8.703826042 | ab179132 - H2B K120fo                               |
| I1  | 67.29027188 | ab179133 - H2B K120ubiq                             |
| I2  | 872.376326  | ab179134 - H2B K125ubiq                             |
| I3  | 12.61153958 | ab179135 - ScH2B unmod(102-132)                     |
| I4  | 8.56110625  | ab179136 - H3 unmod(1-33)                           |
| I5  | 6.978490625 | ab179137 - H3 R2cit                                 |
| I6  | 11.45740729 | ab179138 - H3 R2cit + K4me2                         |
| I7  | 6.174194792 | ab179139 - H3 R2cit + K4me3                         |
| I8  | 11.36169167 | ab179140 - H3 R2cit + K4me3 + K9ac + K14ac + K18ac  |
| I9  | 7.080709375 | ab179141 - H3 R2cit + K4ac + K9ac + K14ac + K18ac   |
| I10 | 7.135628125 | ab179142 - H3 R2me1                                 |
| I11 | 11.80413125 | ab179143 - H3 R2me1 + K4me2                         |
| I12 | 7.36990625  | ab179144 - H3 R2me1 + K4me3                         |
| I13 | 9.905377083 | ab179145 - H3 R2me1 + K4me3 + K9ac + K14ac + K18ac  |
| I14 | 5.767464583 | ab179146 - H3 R2me2s                                |
| I15 | 8.924217708 | ab179147 - H3 R2me2s + K4me2                        |
| I16 | 7.914022917 | ab179148 - H3 R2me2s + K4me3                        |
| I17 | 7.999570833 | ab179149 - H3 R2me2s + K4me3 + K9ac + K14ac + K18ac |
| I18 | 7.017867708 | ab179150 - H3 R2me2a                                |

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| I19 | 5.594721875 | ab179151 - H3 R2me2a + K4me2                               |
| I20 | 4.933017708 | ab179152 - H3 R2me2a + K4me3                               |
| I21 | 6.779398958 | ab179153 - H3 R2me2a + K4me3 + S10p                        |
| I22 | 7.035622917 | ab179154 - H3 R2me2a + T3p + K4me3                         |
| I23 | 8.237366667 | ab179155 - H3 R2me2a + K4ac + K9ac + K14ac + K18ac         |
| I24 | 5.901810417 | ab179156 - H3 R2me2a + K4me3 + K9ac + K14ac + K18ac        |
| I25 | 4.313569792 | ab179157 - H3 R2me2a + T3p + K4me3 + K9ac + K14ac + K18ac  |
| J1  | 5.861163542 | ab179158 - H3 R2me2a + K4me3 + K9ac + S10p + K14ac + K18ac |
| J2  | 6.260366667 | ab179159 - H3 T3p                                          |
| J3  | 6.62428125  | ab179160 - H3 T3p + K4me1                                  |
| J4  | 5.551976042 | ab179161 - H3 T3p + K4me2                                  |
| J5  | 4.909679167 | ab179162 - H3 T3p + K4me3 + K9ac + K14ac + K18ac           |
| J6  | 6.80848125  | ab179163 - H3 K4ac                                         |
| J7  | 8.605942708 | ab179164 - H3 K4ac + K9ac                                  |
| J8  | 6.81318125  | ab179165 - H3 K4ac + K14ac                                 |
| J9  | 8.276354167 | ab179166 - H3 K4ac + K18ac                                 |
| J10 | 8.450685417 | ab179167 - H3 K4ac + K9me3                                 |
| J11 | 6.313258333 | ab179168 - H3 K4ac + K9ac + K14ac                          |
| J12 | 6.890369792 | ab179169 - H3 K4ac + K9ac + K18ac                          |
| J13 | 10.46791979 | ab179170 - H3 K4ac + K14ac + K18ac                         |
| J14 | 8.057748958 | ab179171 - H3 K4ac + K9ac + K14ac + K18ac                  |
| J15 | 6.501469792 | ab179172 - H3 K4ac + K9me1 + K14ac + K18ac                 |
| J16 | 6.947872917 | ab179173 - H3 K4ac + K9me2 + K14ac + K18ac                 |
| J17 | 8.618765625 | ab179174 - H3 K4ac + K9me3 + K14ac + K18ac                 |
| J18 | 7.638117708 | ab179175 - H3 K4ac + K9ac + S10p + K14ac + K18ac           |
| J19 | 7.370555208 | ab179176 - H3 K4cr                                         |
| J20 | 7.341838542 | ab179177 - H3 K4me1 + K9me2                                |
| J21 | 5.508758333 | ab179178 - H3 K4me1 + K9ac + K18ac                         |
| J22 | 4.508776042 | ab179179 - H3 K4me1 + K9ac + K14ac + K18ac                 |
| J23 | 4.915136458 | ab179180 - H3 K4me2 + T6p                                  |
| J24 | 5.768454167 | ab179181 - H3 K4me2 + K9me2                                |
| J25 | 5.112986458 | ab179182 - H3 K4me2 + K9ac + K18ac                         |
| K1  | 5.751969792 | ab179183 - H3 K4me2 + K9ac + K14ac + K18ac                 |
| K2  | 6.523313542 | ab179184 - H3 K4me3 + T6p                                  |
| K3  | 11.2481125  | ab179185 - H3 K4me3 + K9ac                                 |
| K4  | 7.347727083 | ab179186 - H3 K4me3 + K9me2                                |
| K5  | 8.755827083 | ab179187 - H3 K4me3 + K9me3                                |
| K6  | 6.786408333 | ab179188 - H3 K4me3 + S10p                                 |
| K7  | 10.25732708 | ab179189 - H3 K4me3 + K14ac                                |
| K8  | 9.240355208 | ab179190 - H3 K4me3 + K18ac                                |
| K9  | 8.130322917 | ab179191 - H3 K4me3 + R8me2s + K9me3                       |
| K10 | 7.967165625 | ab179192 - H3 K4me3 + R8me2a + K9me3                       |
| K11 | 7.753164583 | ab179193 - H3 K4me3 + K9ac + S10p                          |
| K12 | 5.262157292 | ab179194 - H3 K4me3 + K9ac + K14ac                         |
| K13 | 7.545019792 | ab179195 - H3 K4me3 + K9ac + K18ac                         |
| K14 | 7.703098958 | ab179196 - H3 K4me3 + K14ac + K18ac                        |
| K15 | 6.795598958 | ab179197 - H3 K4me3 + K9ac + K14ac + K18ac                 |
| K16 | 8.018482292 | ab179198 - H3 K4me3 + K9ac + S10p + K14ac + K18ac          |
| K17 | 7.028058333 | ab179199 - H3 K4me3 + T6p + K9ac + K14ac + K18ac           |
| K18 | 5.72923125  | ab179200 - H3 K4me2 + T6p + K9ac + K14ac + K18ac           |
| K19 | 6.679677083 | ab179201 - H3 K4bio + K9bio + K18bio                       |
| K20 | 5.683694792 | ab179202 - H3 T6p + K9me3                                  |
| K21 | 5.187153125 | ab179203 - H3 T6p + R8me2a + K9me3                         |
| K22 | 6.594010417 | ab179204 - H3 T6p + K9ac + K14ac + K18ac                   |
| K23 | 10.78062083 | ab179205 - H3 R8me1                                        |
| K24 | 5.176064583 | ab179206 - H3 R8me1 + K9me1                                |
| K25 | 7.416677083 | ab179207 - H3 R8me1 + K9me2                                |
| L1  | 8.28504375  | ab179208 - H3 R8me1 + K9me3                                |
| L2  | 7.756763542 | ab179209 - H3 R8me2s                                       |
| L3  | 9.191269792 | ab179210 - H3 R8me2s + K9me1                               |
| L4  | 7.672086458 | ab179211 - H3 R8me2s + K9me2                               |
| L5  | 5.583769792 | ab179212 - H3 R8me2s + K9me3                               |
| L6  | 7.55448125  | ab179213 - H3 R8me2a                                       |
| L7  | 8.26330625  | ab179214 - H3 R8me2a + K9me1                               |
| L8  | 7.775058333 | ab179215 - H3 R8me2a + K9me2                               |
| L9  | 7.39944375  | ab179216 - H3 R8me2a + K9me3                               |
| L10 | 6.868661458 | ab179217 - H3 R8cit                                        |
| L11 | 5.849702083 | ab179218 - H3 K9ac + K14ac                                 |
| L12 | 11.25997292 | ab179219 - H3 K9ac + K18ac                                 |
| L13 | 4.627783333 | ab179220 - H3 K9ac + K14ac + K18ac                         |
| L14 | 8.743239583 | ab179221 - H3 K9ac + K14ac + K18ac + K23ac + K27ac         |
| L15 | 5.435253125 | ab179222 - H3 K9ac + S10p                                  |
| L16 | 8.787488542 | ab179223 - H3 K9cr                                         |
| L17 | 6.883132292 | ab179224 - H3 K9me2                                        |

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| L18 | 4.341933333 | ab179225 - H3 K9me2 + S10p     |
| L19 | 6.583601042 | ab179226 - H3 K9me2 + K27me2   |
| L20 | 5.1201      | ab179227 - H3 S10p + S28p      |
| L21 | 6.00445625  | ab179228 - H3 S10p K14ac       |
| L22 | 6.438126042 | ab179229 - H3 K14me1           |
| L23 | 9.552035417 | ab179230 - H3 K14me2           |
| L24 | 6.159898958 | ab179231 - H3 K14me3           |
| L25 | 7.832161458 | ab179232 - H3 K14ac + K18ac    |
| M1  | 7.60708125  | ab179233 - H3 R17cit           |
| M2  | 6.754858333 | ab179234 - H3 R17me1           |
| M3  | 5.660452083 | ab179235 - H3 R17me2s          |
| M4  | 5.349852083 | ab179236 - H3 R17me2a + K18ac  |
| M5  | 5.744370833 | ab179237 - H3 K18cr            |
| M6  | 10.56748333 | ab179238 - H3 K18me1           |
| M7  | 4.908697917 | ab179239 - H3 K18me2           |
| M8  | 6.298764583 | ab179240 - H3 K18me3 + K36me3  |
| M9  | 5.878611458 | ab179241 - H3 K23cr            |
| M10 | 4.255414583 | ab179242 - H3 K23me1           |
| M11 | 7.001825    | ab179243 - H3 K23me2           |
| M12 | 4.893572917 | ab179244 - H3 K23me3           |
| M13 | 5.28363125  | ab179245 - H3 T22p + K23me3    |
| M14 | 6.12454375  | ab179246 - H3 K23pr            |
| M15 | 9.678614583 | ab179247 - H3 unmod(20-51)     |
| M16 | 9.017032292 | ab179248 - H3 R26me1           |
| M17 | 8.151721875 | ab179249 - H3 R26me2a          |
| M18 | 6.909717708 | ab179250 - H3 R26me2a + K27me1 |
| M19 | 8.806740625 | ab179251 - H3 R26me2a + K27me3 |
| M20 | 11.03262396 | ab179252 - H3 K27ac + S28p     |
| M21 | 5.4359625   | ab179253 - H3 K27cr            |
| M22 | 9.960617708 | ab179254 - H3 K27me1           |
| M23 | 9.869566667 | ab179255 - H3 K27me2 + S28p    |
| M24 | 5.640069792 | ab179256 - H3 K27me3           |
| M25 | 8.994041667 | ab179257 - H3 K27me3 + S28p    |
| N1  | 7.490810417 | ab179258 - H3 P30hpro          |
| N2  | 4.986315625 | ab179259 - H3 P30(5,5me2)      |
| N3  | 7.29259375  | ab179260 - H3 P30              |
| N4  | 4.305583333 | ab179261 - H3 P30mutA          |
| N5  | 7.801476042 | ab179262 - H3 T32GlcNAc        |
| N6  | 7.224290625 | ab179263 - H3 K36ac            |
| N7  | 8.642503125 | ab179264 - H3 P38hpro          |
| N8  | 9.520305208 | ab179265 - H3 P38(5,5me2)      |
| N9  | 5.605297917 | ab179266 - H3 P38              |
| N10 | 8.575653125 | ab179267 - H3 P38mutA          |
| N11 | 5.960603125 | ab179268 - H3 Y41p             |
| N12 | 8.514011458 | ab179269 - H3 unmod(50-80)     |
| N13 | 9.271602083 | ab179270 - H3 K56ac            |
| N14 | 6.888277083 | ab179271 - H3 K56cr            |
| N15 | 8.984348958 | ab179272 - H3 K56fo            |
| N16 | 5.400741667 | ab179273 - H3 K56me1           |
| N17 | 5.935       | ab179274 - H3 K56me2           |
| N18 | 6.394721875 | ab179275 - H3 K56me3           |
| N19 | 4.593139583 | ab179276 - H3 R63me1           |
| N20 | 6.137141667 | ab179277 - H3 R63me2s          |
| N21 | 5.161127083 | ab179278 - H3 R63me2a          |
| N22 | 6.086896875 | ab179279 - H3 K64ac            |
| N23 | 9.548022917 | ab179280 - H3 K64me2           |
| N24 | 12.25817604 | ab179281 - H3 K64me3           |
| N25 | 7.143932292 | ab179282 - H3 unmod(73-103)    |
| O1  | 10.18334583 | ab179283 - H3 K79ac            |
| O2  | 8.288836458 | ab179284 - H3 K79fo            |
| O3  | 5.7790375   | ab179285 - H3 T80p             |
| O4  | 7.51695     | ab179286 - H3 K79me3 + T80p    |
| O5  | 6.138678125 | ab179287 - H3 unmod(99-135)    |
| O6  | 8.599104167 | ab179288 - H3 T118O-ac         |
| O7  | 5.991444792 | ab179289 - H3 K122fo           |
| O8  | 11.25484375 | ab179290 - H3 K122me1          |
| O9  | 7.066796875 | ab179291 - H3 R128me1          |
| O10 | 6.167729167 | ab179292 - H3 R128me2s         |
| O11 | 6.242589583 | ab179293 - H3.3 unmod(10-40)   |
| O12 | 7.158945833 | ab179294 - H3.3 S28p           |
| O13 | 5.681947917 | ab179295 - H3.3 S28p + S31p    |
| O14 | 7.755520833 | ab179296 - H3.3 S31p           |
| O15 | 12.06194063 | ab179297 - H4 unmod(1-30)      |
| O16 | 5.982448958 | ab179298 - H4 S1p + R3me1      |

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| O17 | 7.693129167 | ab179299 - H4 S1p + R3me2s                                 |
| O18 | 7.896252083 | ab179300 - H4 S1p + R3me2a                                 |
| O19 | 7.75745     | ab179301 - H4 S1p + K5ac + K8ac + K12ac + K16ac            |
| O20 | 8.062210417 | ab179302 - H4 R3cit                                        |
| O21 | 9.694870833 | ab179303 - H4 R3me1 + K5ac + K8ac + K12ac + K16ac + K20ac  |
| O22 | 6.39995625  | ab179304 - H4 R3me2s                                       |
| O23 | 9.019872917 | ab179305 - H4 R3me2s + K5ac + K8ac + K12ac + K16ac + K20ac |
| O24 | 6.217555208 | ab179306 - H4 R3me2a                                       |
| O25 | 7.275151042 | ab179307 - H4 R3me2a + K5ac                                |
| P1  | 6.998696875 | ab179308 - H4 R3me2a + K5ac + K8ac + K12ac + K16ac + K20ac |
| P2  | 5.43493125  | ab179309 - H4 K5ac                                         |
| P3  | 6.413863542 | ab179310 - H4 K5ac + K8ac                                  |
| P4  | 7.643686458 | ab179311 - H4 K5ac + K12ac                                 |
| P5  | 6.541402083 | ab179312 - H4 K5ac + K16ac                                 |
| P6  | 7.587658333 | ab179313 - H4 K5ac + K8ac + K12ac                          |
| P7  | 6.880148958 | ab179314 - H4 K5ac + K8me1 + K12ac                         |
| P8  | 8.540070833 | ab179315 - H4 K5ac + K8ac + K12ac + K16ac                  |
| P9  | 9.664171875 | ab179316 - H4 K5ac + K8me1 + K12ac + K16ac                 |
| P10 | 9.635741667 | ab179317 - H4 K5ac + K8ac + K12me1 + K16ac                 |
| P11 | 6.42671875  | ab179318 - H4 K5me1                                        |
| P12 | 6.72726875  | ab179319 - H4 K5me1 + K8ac + K12me1                        |
| P13 | 5.239936458 | ab179320 - H4 K5me1 + K8me1 + K12me1                       |
| P14 | 10.98960625 | ab179321 - H4 K5me1 + K8ac + K12ac + K16ac                 |
| P15 | 5.387792708 | ab179322 - H4 K5me2                                        |
| P16 | 8.226182292 | ab179323 - H4 K5me3                                        |
| P17 | 6.133423958 | ab179324 - H4 K5cr                                         |
| P18 | 6.45204375  | ab179325 - H4 K8ac + K12ac                                 |
| P19 | 8.586234375 | ab179326 - H4 K8ac + K16ac                                 |
| P20 | 6.410417708 | ab179327 - H4 K8cr                                         |
| P21 | 7.837860417 | ab179328 - H4 K8me1                                        |
| P22 | 5.56050625  | ab179329 - H4 K12ac                                        |
| P23 | 8.802714583 | ab179330 - H4 K12ac + K16ac                                |
| P24 | 5.957121875 | ab179331 - H4 K12ac + K16ac + K20me2                       |
| P25 | 10.32989688 | ab179332 - H4 K12ac + K16ac + K20me3                       |
| Q1  | 7.230984375 | ab179333 - H4 K5mutQ + K8mutQ + K12ac + K16mutQ + K20mutQ  |
| Q2  | 6.432455208 | ab179334 - H4 K12cr                                        |
| Q3  | 6.434213542 | ab179335 - H4 K12fo                                        |
| Q4  | 8.369897917 | ab179336 - H4 K12me1                                       |
| Q5  | 7.188445833 | ab179337 - H4 K12me2                                       |
| Q6  | 8.960041667 | ab179338 - H4 K12me3                                       |
| Q7  | 6.414133333 | ab179339 - H4 K16ac                                        |
| Q8  | 8.80679375  | ab179340 - H4 K16ac + K20ac                                |
| Q9  | 7.135590625 | ab179341 - H4 K16cr                                        |
| Q10 | 7.461332292 | ab179342 - H4 K16me1                                       |
| Q11 | 8.506955208 | ab179343 - H4 K16me3                                       |
| Q12 | 12.99791667 | ab179344 - H4 R17me1                                       |
| Q13 | 8.751395833 | ab179345 - H4 R17me2s                                      |
| Q14 | 7.953759375 | ab179346 - H4 R17me2a                                      |
| Q15 | 5.006770833 | ab179347 - H4 R19me1                                       |
| Q16 | 10.62910104 | ab179348 - H4 R19me2s                                      |
| Q17 | 6.849494792 | ab179349 - H4 R19me2a                                      |
| Q18 | 8.640872917 | ab179350 - H4 K20ac                                        |
| Q19 | 6.564346875 | ab179351 - H4 R23me1                                       |
| Q20 | 7.648741667 | ab179352 - H4 R23me2s                                      |
| Q21 | 7.723251042 | ab179353 - H4 R23me2a                                      |
| Q22 | 7.41220625  | ab179354 - H4 unmod(24-54)                                 |
| Q23 | 6.512315625 | ab179355 - H4 K31fo                                        |
| Q24 | 8.3062375   | ab179356 - H4 K31me1                                       |
| Q25 | 5.283242708 | ab179357 - H4 K31me2                                       |
| R1  | 6.27479375  | ab179358 - H4 K31me3                                       |
| R2  | 6.686721875 | ab179359 - H4 P32hyd                                       |
| R3  | 7.326017708 | ab179360 - H4 R35me1                                       |
| R4  | 7.183194792 | ab179361 - H4 R35me2s                                      |
| R5  | 8.375932292 | ab179362 - H4 R35me2a                                      |
| R6  | 7.514126042 | ab179363 - H4 S47O-ac                                      |
| R7  | 6.000002083 | ab179364 - H4 S47GlcNAc                                    |
| R8  | 6.975609375 | ab179365 - H4 S47p                                         |
| R9  | 6.912561458 | ab179366 - H4 unmod(45-75)                                 |
| R10 | 9.042742708 | ab179367 - H4 Y51hyd                                       |
| R11 | 6.802232292 | ab179368 - H4 R55me1                                       |
| R12 | 5.839235417 | ab179369 - H4 R55me2s                                      |
| R13 | 6.942735417 | ab179370 - H4 R55me2a                                      |
| R14 | 6.597929167 | ab179371 - H4 K59fo                                        |
| R15 | 7.950576042 | ab179372 - H4 K59me1                                       |

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| R16 | 14.5662875  | ab179373 - H4 K59me2                |
| R17 | 11.05480417 | ab179374 - H4 R67me1                |
| R18 | 11.36703958 | ab179375 - H4 R67me2s               |
| R19 | 11.20078958 | ab179376 - H4 R67me2a               |
| R20 | 9.548873958 | ab179377 - H4 unmod(71-102)         |
| R21 | 9.443059375 | ab179378 - H4 K77me1                |
| R22 | 10.69936042 | ab179379 - H4 K77me2                |
| R23 | 6.78915625  | ab179380 - H4 K77me3                |
| R24 | 7.142269792 | ab179381 - H4 K79fo                 |
| R25 | 7.978666667 | ab179382 - H4 K79me1                |
| S1  | 7.300110417 | ab179383 - H4 K79me3                |
| S2  | 8.731765625 | ab179384 - H4 T82O-ac               |
| S3  | 7.443522917 | ab179385 - H4 Y88hyd                |
| S4  | 5.390353125 | ab179386 - H4 Y88nitro              |
| S5  | 5.908542708 | ab179387 - H4 K91fo                 |
| S6  | 6.046661458 | ab179403 - H2A K5ac                 |
| S7  | 5.775407292 | ab179404 - H2A K9me1                |
| S8  | 4.9996875   | ab18504 - H2B S32p                  |
| S9  | 8.649791667 | ab19828 - ScH2A S129p               |
| S10 | 6.70370625  | ab20631 - H3 R26cit                 |
| S11 | 7.995210417 | ab20635 - H3 T3p + K4me3            |
| S12 | 7.970272917 | ab21043 - H3 K37me1                 |
| S13 | 7.285469792 | ab21998 - H1.4 K25me2               |
| S14 | 11.36660729 | ab22079 - H4 K59me3                 |
| S15 | 6.506198958 | ab22080 - H3 K122me2                |
| S16 | 6.557089583 | ab22082 - H3 K122me3                |
| S17 | 7.839772917 | ab22214 - H3 K37me2                 |
| S18 | 5.896572917 | ab22398 - H2A R3me2a                |
| S19 | 7.48380625  | ab22399 - H2A R3me2s                |
| S20 | 6.259232292 | ab23539 - H3 T22p                   |
| S21 | 12.78453438 | ab24003 - H3 K18ac                  |
| S22 | 6.446017708 | ab24404 - H3 K27ac                  |
| S23 | 7.835985417 | ab24417 - H3 K37me3                 |
| S24 | 6.589922917 | ab24444 - H3 T11p                   |
| S25 | 8.119458333 | ab24659 - H2A K127me3               |
| T1  | 6.683289583 | ab24660 - H2A K125me3               |
| T2  | 7.363054167 | ab26307 - H3 T45p                   |
| T3  | 4.235798958 | ab26342 - H2B K5me2                 |
| T4  | 5.993225    | ab26739 - H4 T30p                   |
| T5  | 7.694616667 | ab27896 - H4 T96p                   |
| T6  | 7.360328125 | ab27898 - H4 T80p                   |
| T7  | 5.529552083 | ab28756 - H2A R3me1                 |
| T8  | 9.698060417 | ab32876 - H3 R2cit + R8cit + R17cit |
| T9  | 11.02305208 | ab33047 - H2A K127me2               |
| T10 | 5.6671875   | ab33505 - H3 T118p                  |
| T11 | 9.277328125 | ab33594 - H3 R128me2a               |
| T12 | 10.40226667 | ab34466 - H3 K122ac                 |
| T13 | 6.4741375   | ab36927 - H2A S122p                 |
| T14 | 10.22389271 | ab4555 - H3 K79me1                  |
| T15 | 8.737801042 | ab4556 - H3 K79me2                  |
| T16 | 10.42945833 | ab4557 - H3 K79me3                  |
| T17 | 6.477865625 | ab4560 - H4 K79me2                  |
| T18 | 10.90362292 | ab46854 - H3 K18me3                 |
| T19 | 5.880241667 | ab48359 - H3 K23ac                  |
| T20 | 5.821671875 | ab53244 - H3 K64me1                 |
| T21 | 18.17613333 | ab54016 - H2A K9ac                  |
| T22 | 5.280475    | ab5499 - H3 S28p                    |
| T23 | 5.87584375  | ab7768 - H3 K4me2                   |
| T24 | 8.053438542 | ab89018 - H1.4 S26p                 |
| T25 | 6.251409375 | ab92374 - H3 K4me3 (HEXI)           |
| U1  | 6.788566667 | ab95444 - H4 K16me2                 |