Supplementary Table 1

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| HP1α | GKKTKRTADSSSSEDEE**EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY**PEDAENKEKETAKS |
| HP1β | MGKKQNKKKVEEVLEEEEE**EYVVEKVLDRRVVKGKVEYLLKWKGFSDEDNTWEPEENLDCPDLIAEFL**QSQKTAHETDKSEGGKRKADSDSEDKGEESKPKKKKEESEKPR**GFARGLEPERIIGATDSSGELMFLMKWKNSDEADLVPAKEANVKCPQVVISFYEERLTWHSY**PSEDDDKKDDKN |
| HP1γ | ASNKTTLQKMGKKQNGKSKKVEEAEPE**EFVVEKVLDRRVVNGKVEYFLKWKGFTDADNTWEPEENLDCPELIEAFLNSQ**KAGKEKDGTKRKSLSDSESDDSKSKKKRDAADKPR**GFARGLDPERIIGATDSSGELMFLMKWKDSDEADLVLAKEANMKCPQIVIAFYEERLTWHSC**PEDEAQ |
| HP1α hinge | KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR |
| HP1α ΔNTE | **EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY**PEDAENKEKETAKS |
| HP1α ΔCTE | GKKTKRTADSSSSEDEE**EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY** |
| HP1α ΔNTEΔCTE | **EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY** |
| HP1α β-hinge | GKKTKRTADSSSSEDEE**EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**QSQKTAHETDKSEGGKRKADSDSEDKGEESKPKKKKEESEKPR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY**PEDAENKEKETAKS |
| HP1α γ-hinge | GKKTKRTADSSSSEDEE**EYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFM**KAGKEKDGTKRKSLSDSESDDSKSKKKRDAADKPR**GFERGLEPEKIIGATDSCGDLMFLMKWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAY**PEDAENKEKETAKS |
| HP1β α-hinge | MGKKQNKKKVEEVLEEEEE**EYVVEKVLDRRVVKGKVEYLLKWKGFSDEDNTWEPEENLDCPDLIAEFL**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFARGLEPERIIGATDSSGELMFLMKWKNSDEADLVPAKEANVKCPQVVISFYEERLTWHSY**PSEDDDKKDDKN |
| HP1γ α-hinge | ASNKTTLQKMGKKQNGKSKKVEEAEPE**EFVVEKVLDRRVVNGKVEYFLKWKGFTDADNTWEPEENLDCPELIEAFLNSQ**KKYKKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIAR**GFARGLDPERIIGATDSSGELMFLMKWKDSDEADLVLAKEANMKCPQIVIAFYEERLTWHSC**PEDEAQ |