

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Mass spectrometry determination of differentially modified histone H3 peptides in purified *Paramecium* histone H3 samples obtained from *in vitro* methylation reactions with Ezl1^{wt} and Ezl1^{H526A} proteins.

File name: Supplementary Data 2

Description: List of DE genes upon *EZL1* RNAi.