Supplementary Table 1. Differential Type of Histones are Overexpression in High Grade

Gene	FDR	Gene	FDR	Gene	FDR	Gene	FDR	Gene	FDR
H2AC4	2.46E-25	**H2BC3**	2.89E-16	**H3C1**	3.24E-13	**H4C1**	5.63E-33	**CCNA2**	1.38E-25
H2AC7	4.70E-20	**H2BC6**	2.04E-22	**H3C4**	1.21E-14	**H4C9**	3.51E-19	**ETV7**	2.04E-12
H2AC11	6.10E-32	**H2BC9**	1.00E-22	**H3C7**	4.98E-32	**H4C11**	1.34E-23	**MMP9**	4.34E-15
H2AC12	1.22E-24	**H2BC10**	6.79E-18	**H3C8**	2.64E-10	**H4C12**	3.72E-24		
H2AC13	4.55E-39	**H2BC11**	3.32E-25	**H3C10**	2.78E-37	**H4C14**	1.20E-37		
H2AC14	3.02E-34	**H2BC12**	1.47E-27	**H3C11**	7.65E-23	**H4C15**	3.72E-37		
H2AC16	1.29E-33	**H2BC13**	3.94E-34	**H3C12**	3.29E-26				
H2AC17	2.65E-38	**H2BC14**	3.66E-23	**H3C13**	3.34E-26				
H2AC18	1.23E-34	**H2BC17**	1.51E-39	**H3C14**	1.31E-43				
H2AC19	1.02E-39	**H2BU1**	3.35E-19	**H3C15**	1.31E-43				
H2AC21	2.23E-25								
H2AW	1.63E-17								
H2AX	7.89E-33								
H2AZ1	1.15E-32								