

**S2 Table.** Results of ROC curve analysis and specificity-sensitivity test for determining cutoff value of histone H3 lysine methylation

	Mean±SE	AUC in ROC curve	Cutoff value	Sensitivity	Specificity
H3K4me1	26.6±9.0	0.662	25	0.647	0.690
H3K4me3	34.2±12.1	0.716	35	0.659	0.772
H3K9me1	21.8±11.5	0.659	20	0.715	0.616
H3K9me2	27.6±12.6	0.821	25	0.774	0.888
H3K9me3	18.4±7.2	0.740	20	0.699	0.773
H3K14	40.5±15.3	0.709	40	0.730	0.747
H3K27me1	15.3±5.6	0.671	15	0.684	0.625
H3K27me2	19.5±7.5	0.728	20	0.767	0.705
H3K27me3	22.9±10.2	0.804	24	0.782	0.831
H3K36me1	11.0±4.9	0.750	11	0.799	0.712
H3K36me2	14.8±5.2	0.624	15	0.705	0.665
H3K36me3	18.2±6.3	0.781	18	0.763	0.792

AUC, area under the curve; ROC, receiver operating characteristic; SE, standard error.