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

| Protein   | 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.