The graph shows the H3K9me2/H3 levels in different weight categories. The H3K9me2/H3 levels are higher in the Overweight and Overweight-T2D groups compared to the Normal weight group. The statistical significance is indicated by the p-values: p=0.273 for the comparison between Normal weight and Overweight groups, and p=0.091 for the comparison between Normal weight and Overweight-T2D groups. The p-value of 0.091 is close to the conventional threshold of 0.05 for statistical significance, indicating a trend towards higher H3K9me2/H3 levels in the Overweight-T2D group compared to the Normal weight group.