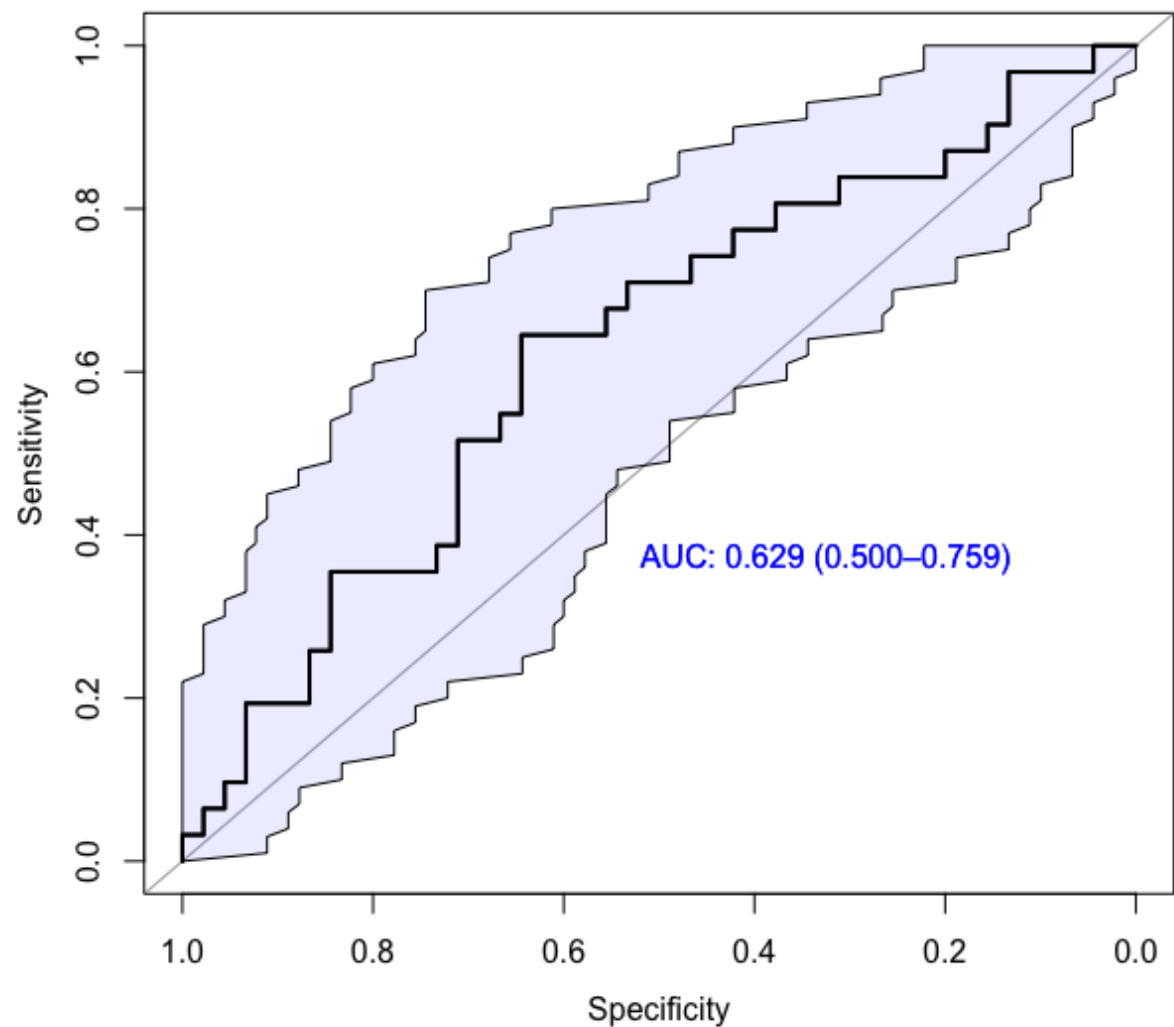
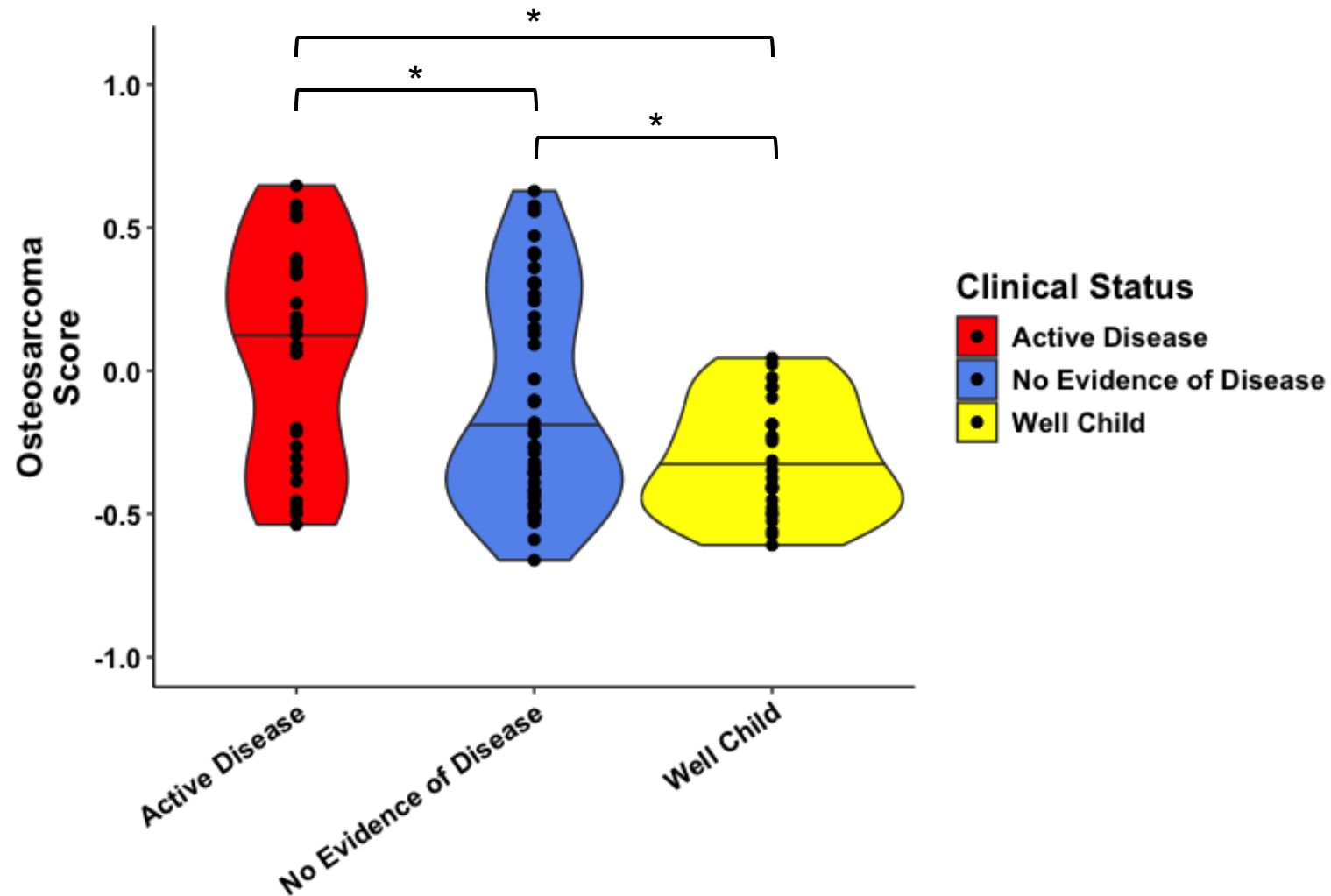


Supplementary Figure 1: Receiver operator curve (ROC) for osteosarcoma signatures against disease status for all patient samples in both cohorts. AUC indicates area under the curve and is shown in blue text with the 95% confidence interval reported in parentheses. 95% Confidence intervals are shown along the ROC graph in light blue shading.



Supplementary Figure 2: Violin plot of osteosarcoma signature scores by clinical status in all osteosarcoma patients and well children. Horizontal lines are at the median score for each group. The gene set used in this analysis contained 136 genes identified to have increased 5-hmC in osteosarcoma patients versus healthy controls. *: $p < 0.05$ by Kruskal-Wallis test with post-hoc Dunn's testing.



Supplementary Figure 3: Representative images of osteosarcoma signature scores. Serial samples obtained from two patients before and after resection of either A) a metastatic relapse or B) their primary tumor.

