Supplemental Figure 8. A. Average proportions of the major cell types found at the primary and metastatic sites of acral melanoma. **B.** Proportions of the major cell types found at the patient-matched primary and metastatic site for acral melanoma patient AM8. **C.** tSNE plots showing lymphocyte landscapes between primary and metastatic sites of acral melanoma. **D**. tSNE plots showing myeloid cell landscapes between primary and metastatic sites of acral melanoma.
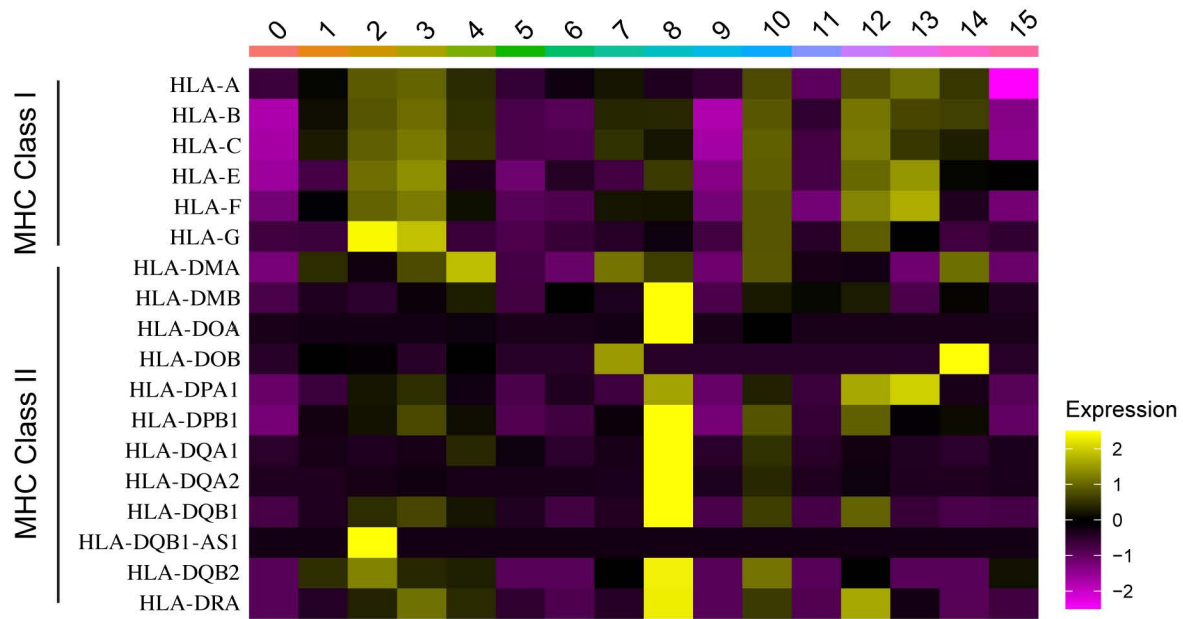
Supplemental Figure 9. Heatmap showing the expression of MHC class I and II genes in the individual clusters of tumor cells
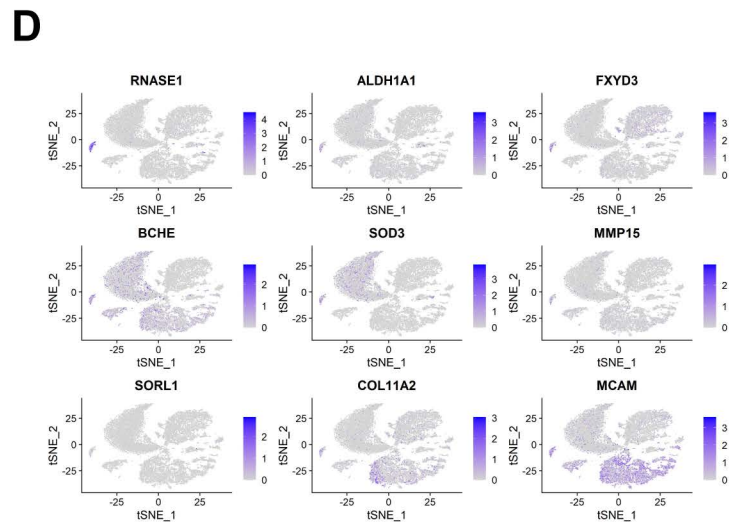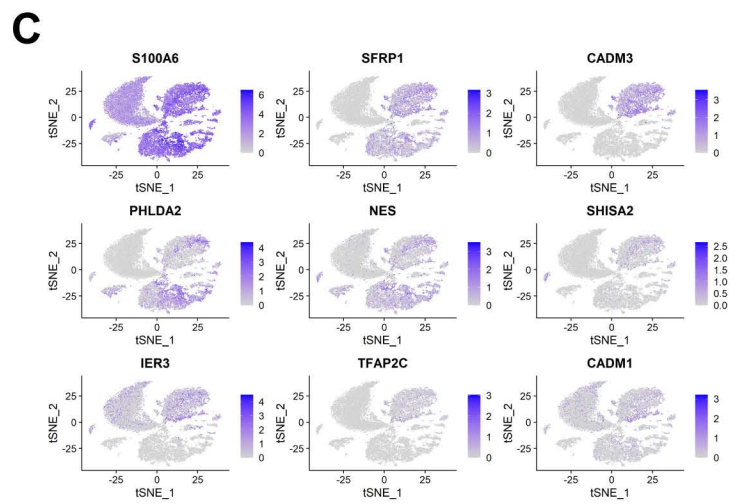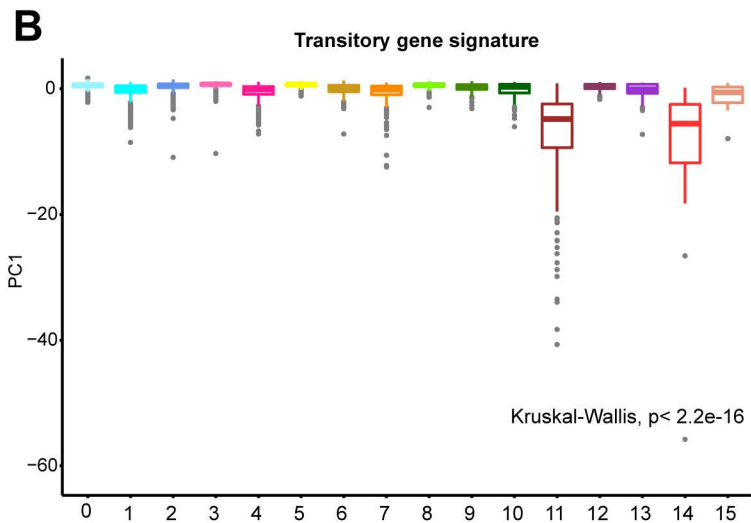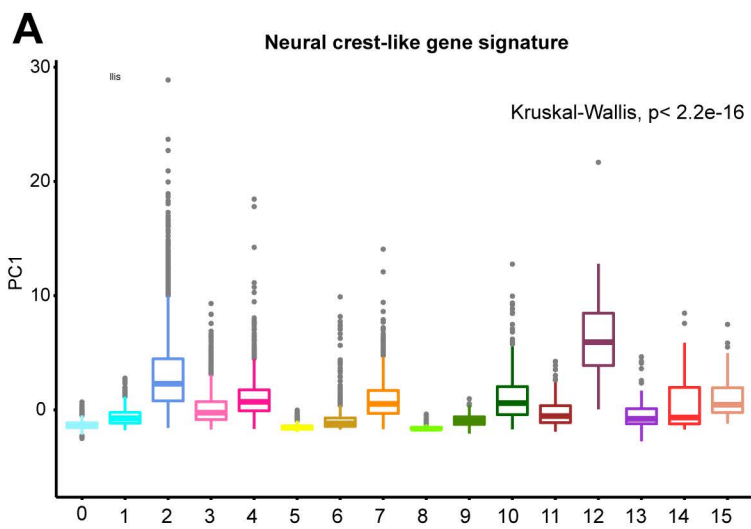
Supplemental Figure 10. A. Box plots summarizing the PC1 scores across 16 clusters of melanoma cells following PCA analysis for neural crest-like signatures previously identified (26). **B.** Box plots summarizing the PC1 scores across 16 clusters of melanoma cells following PCA analysis for transitory gene signatures previously identified (26). **C.** Expression of genes from neural crest-like signature in melanoma cells, visualized on the melanoma tSNE plots from Figure 4C. **D.** Expression of genes from transitory signature in melanoma cells, visualized on the melanoma tSNE plots from Figure 4C.
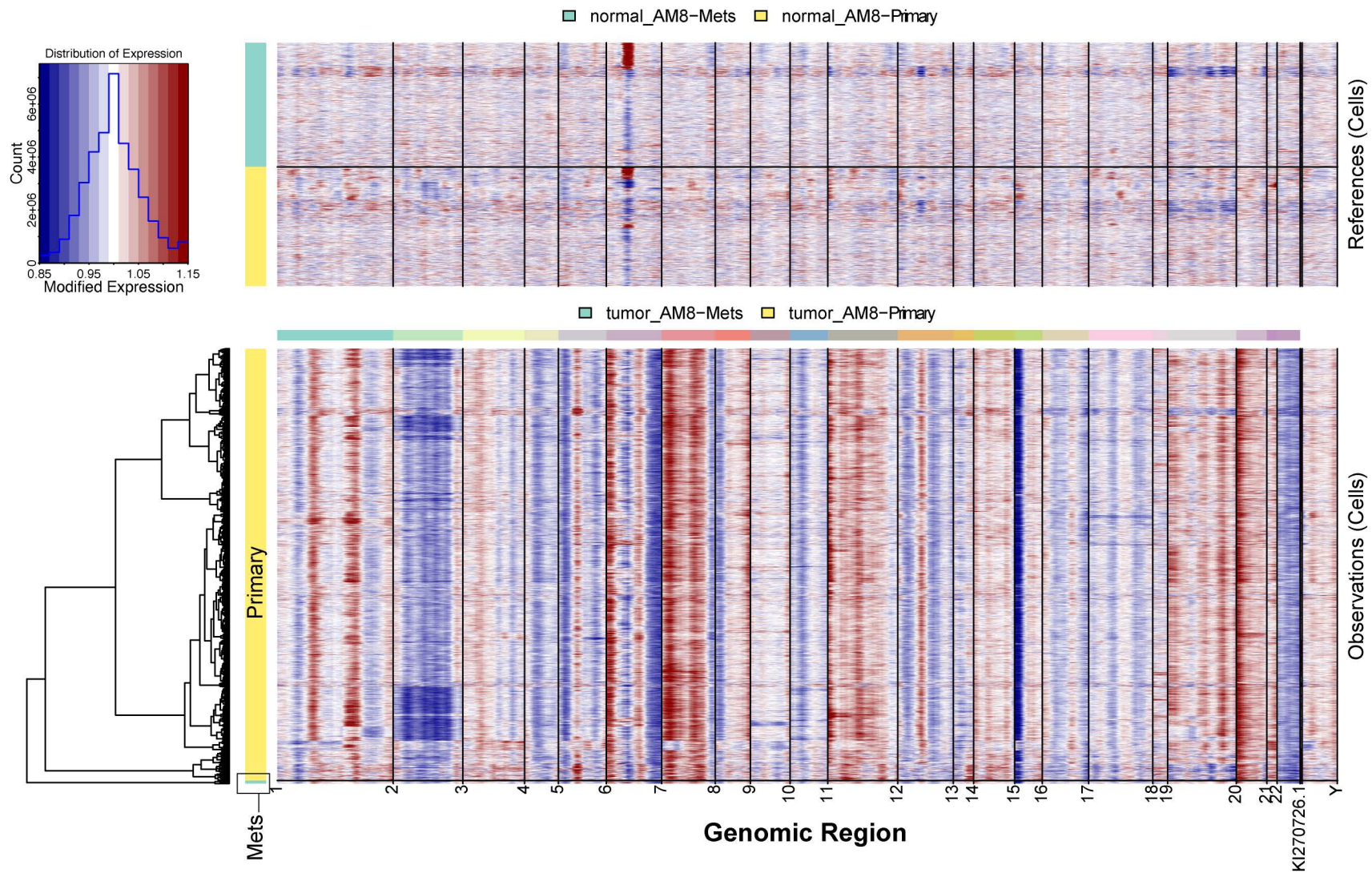
Supplemental Figure 11. Infer CNV analysis of acral samples AM8 primary and AM8 metastasis.