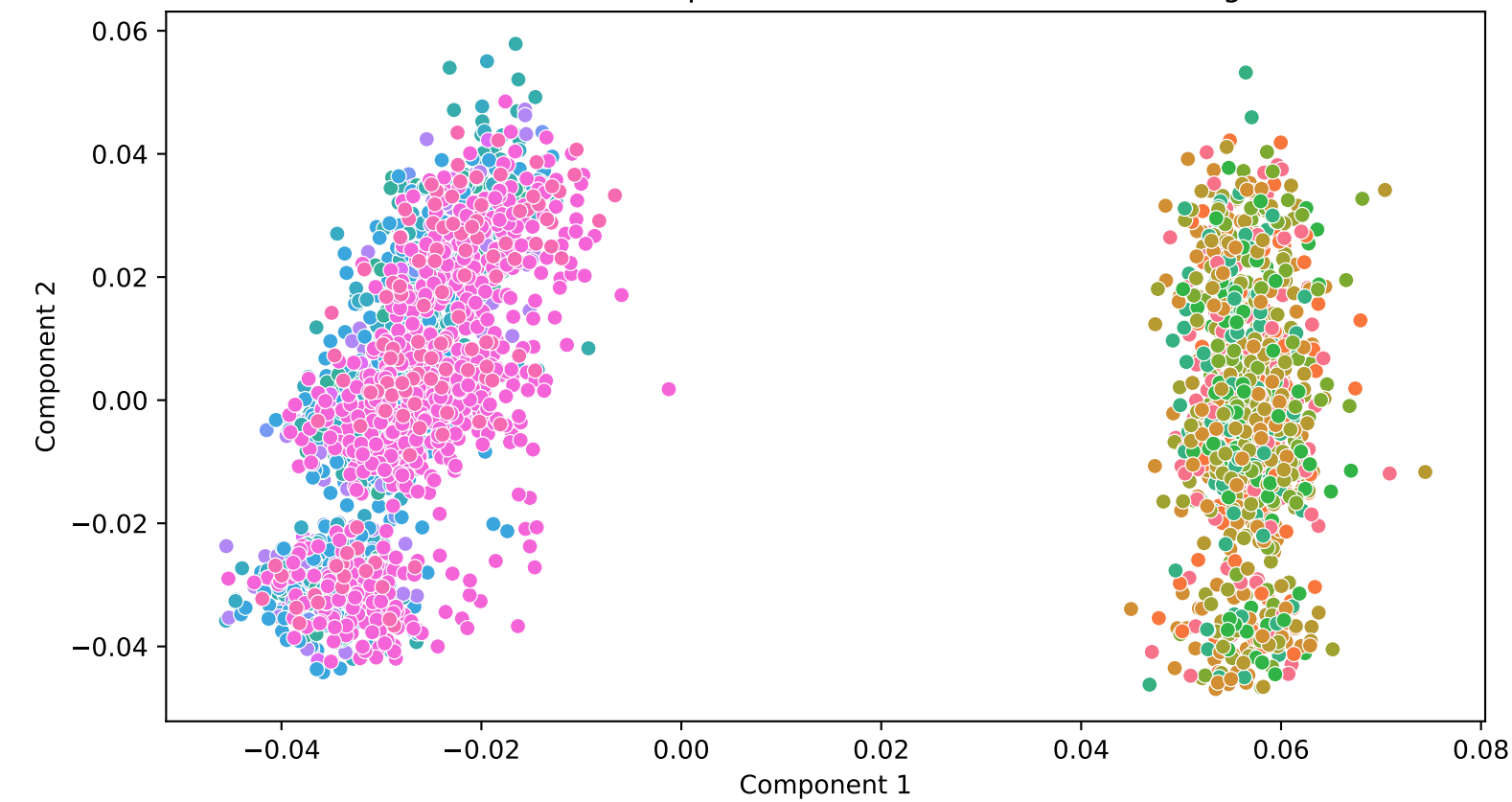
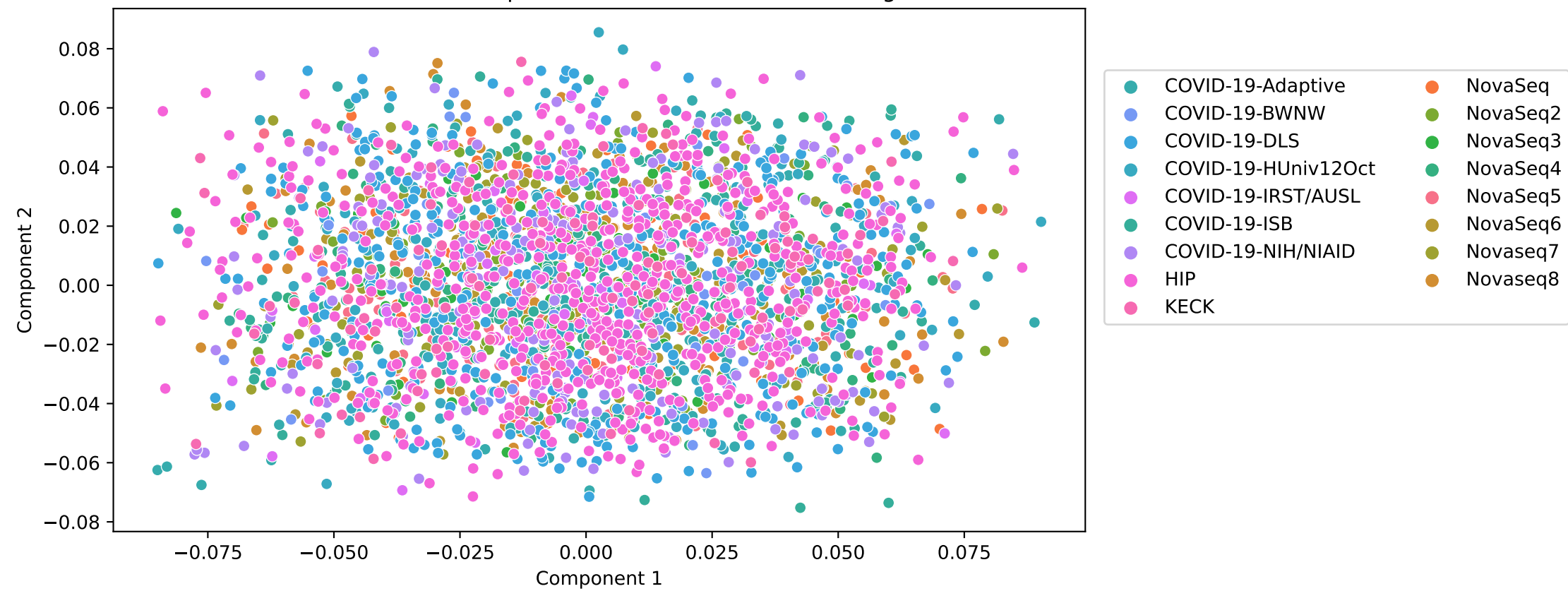
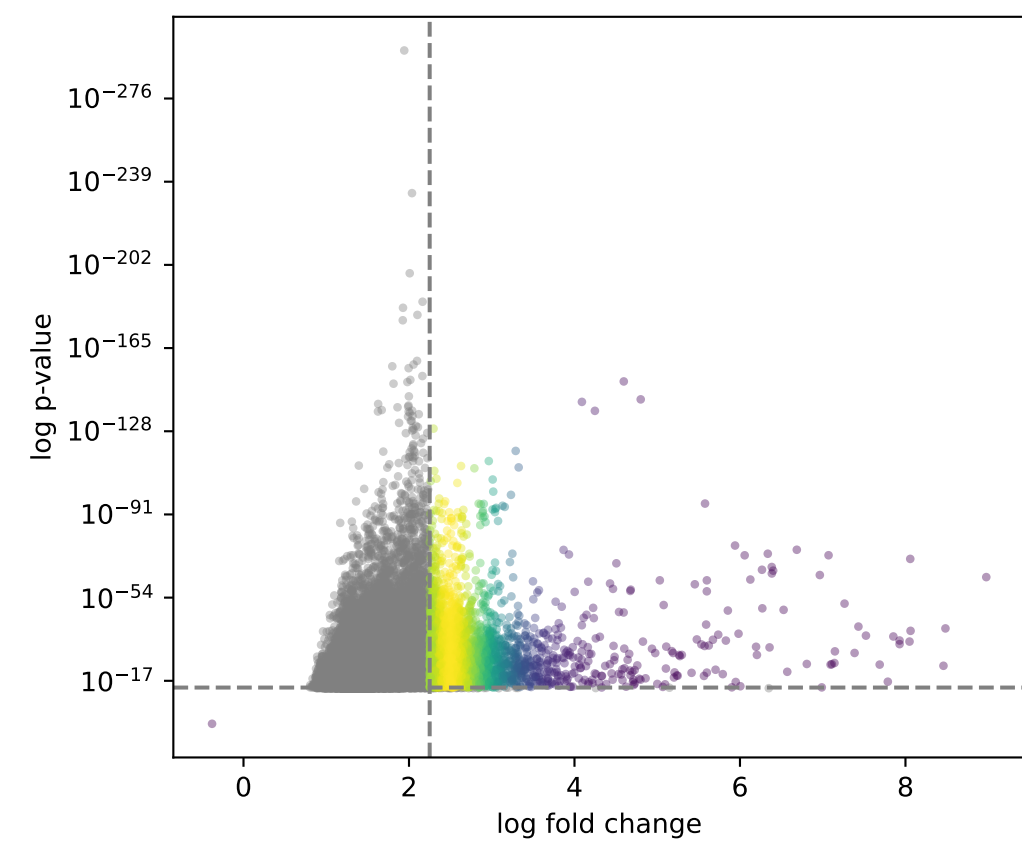
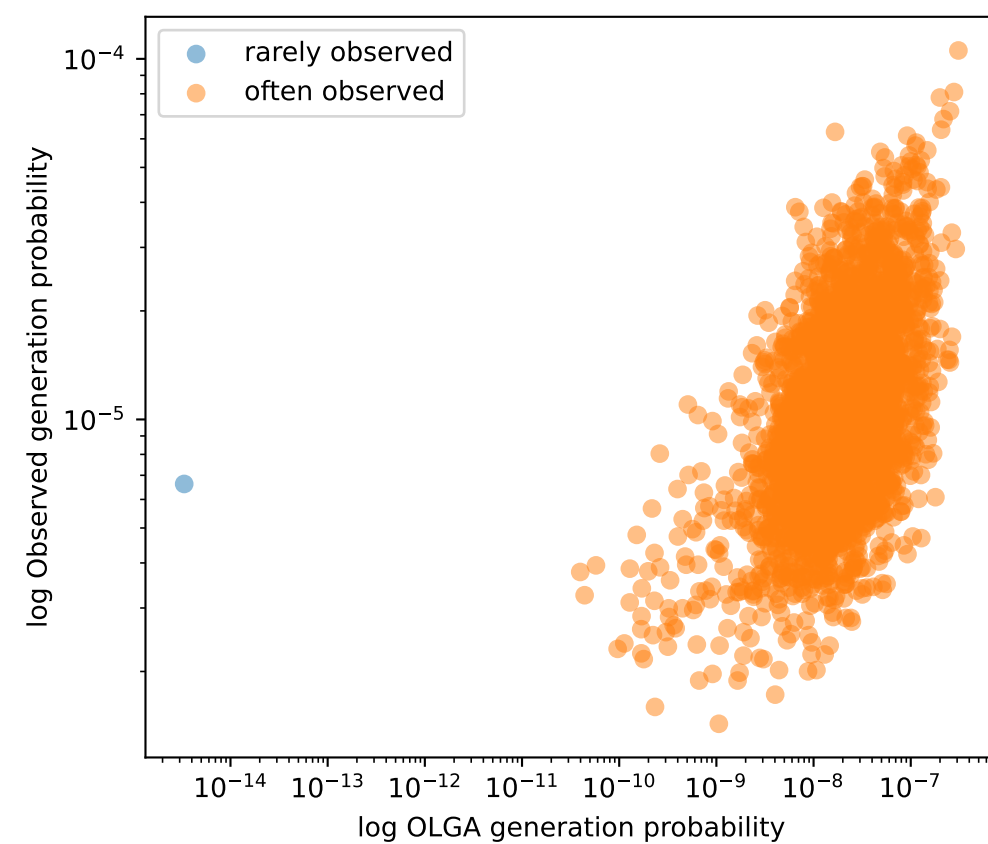
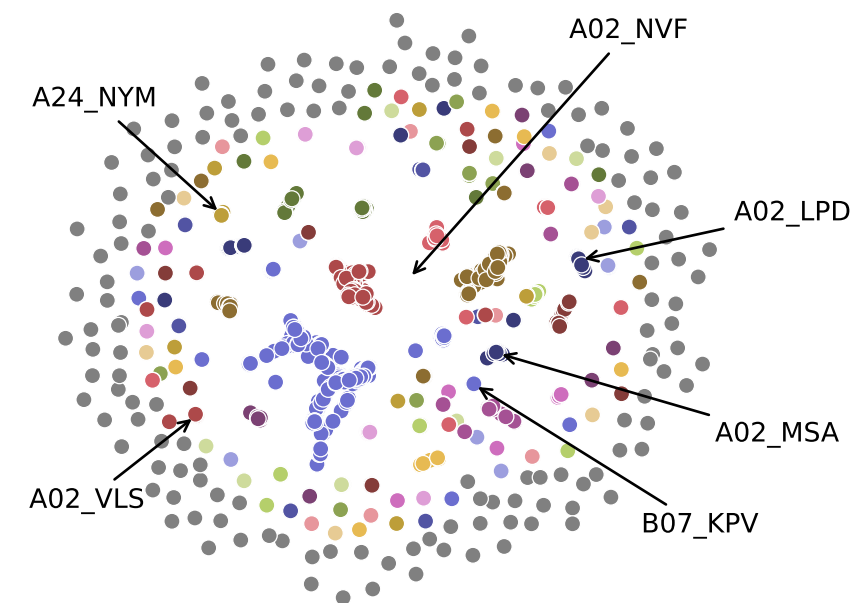


A

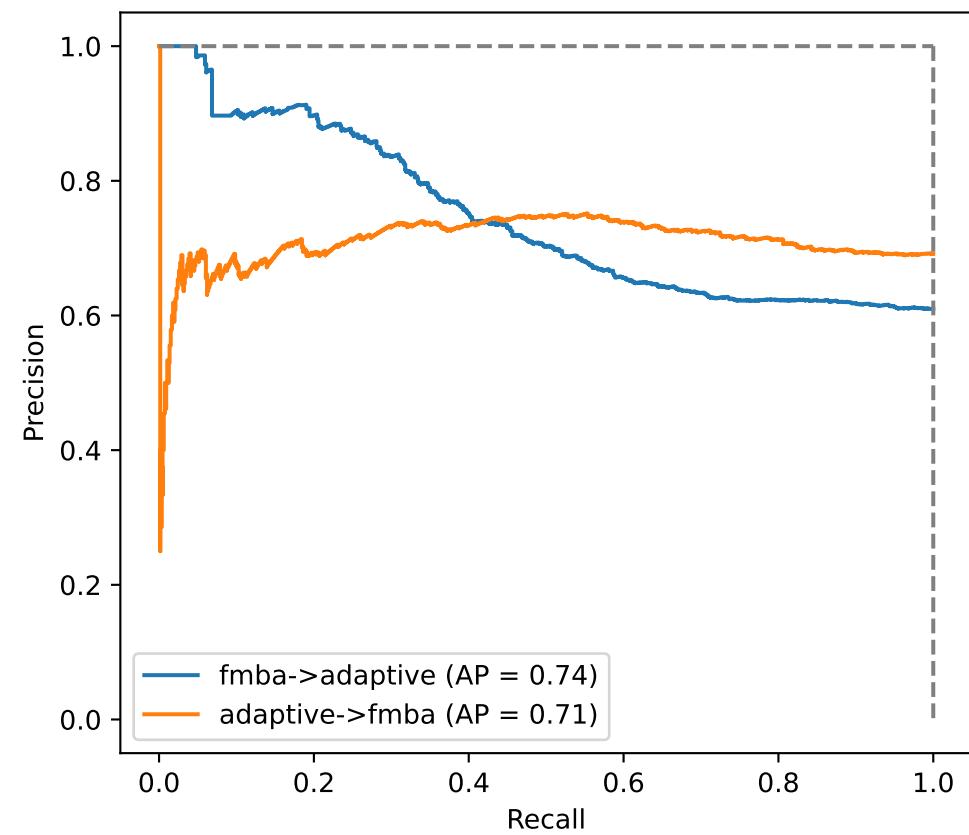
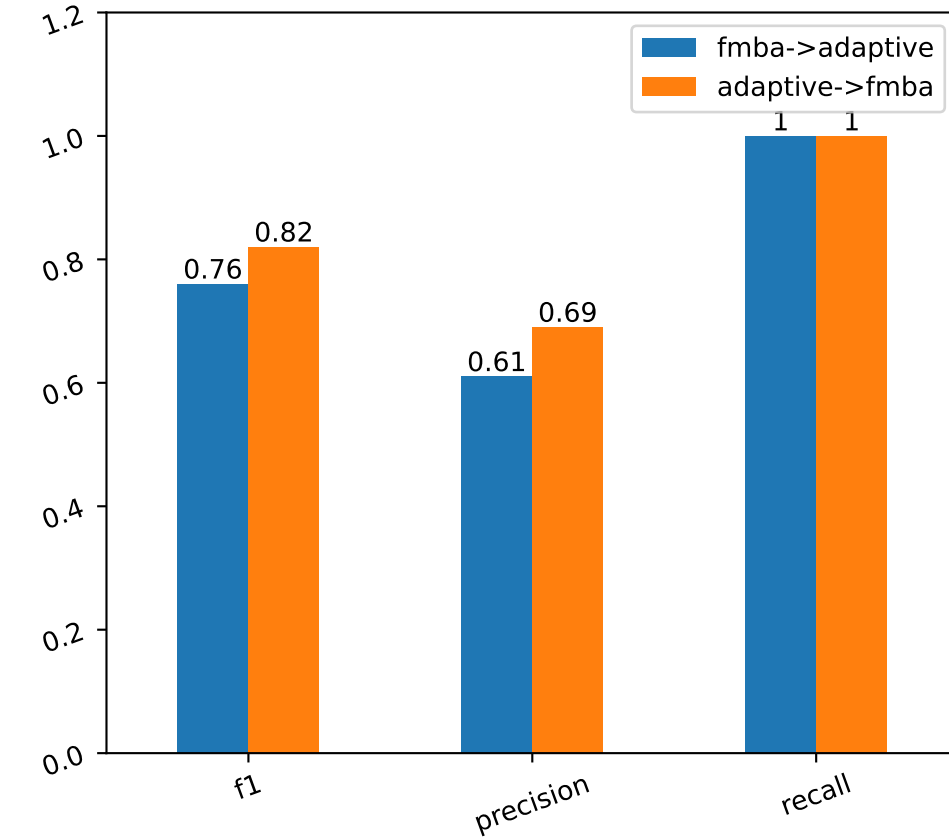
PCA for FMBA/Adaptive data before Batch effect fixing

**B**

PCA for FMBA/Adaptive data after Batch effect fixing

**C****D****E**Adaptive TCR β clone clustering, 280 clusters**F**

ROC-curve

**G****H**Adaptive/FMBA TCR β clone clustering