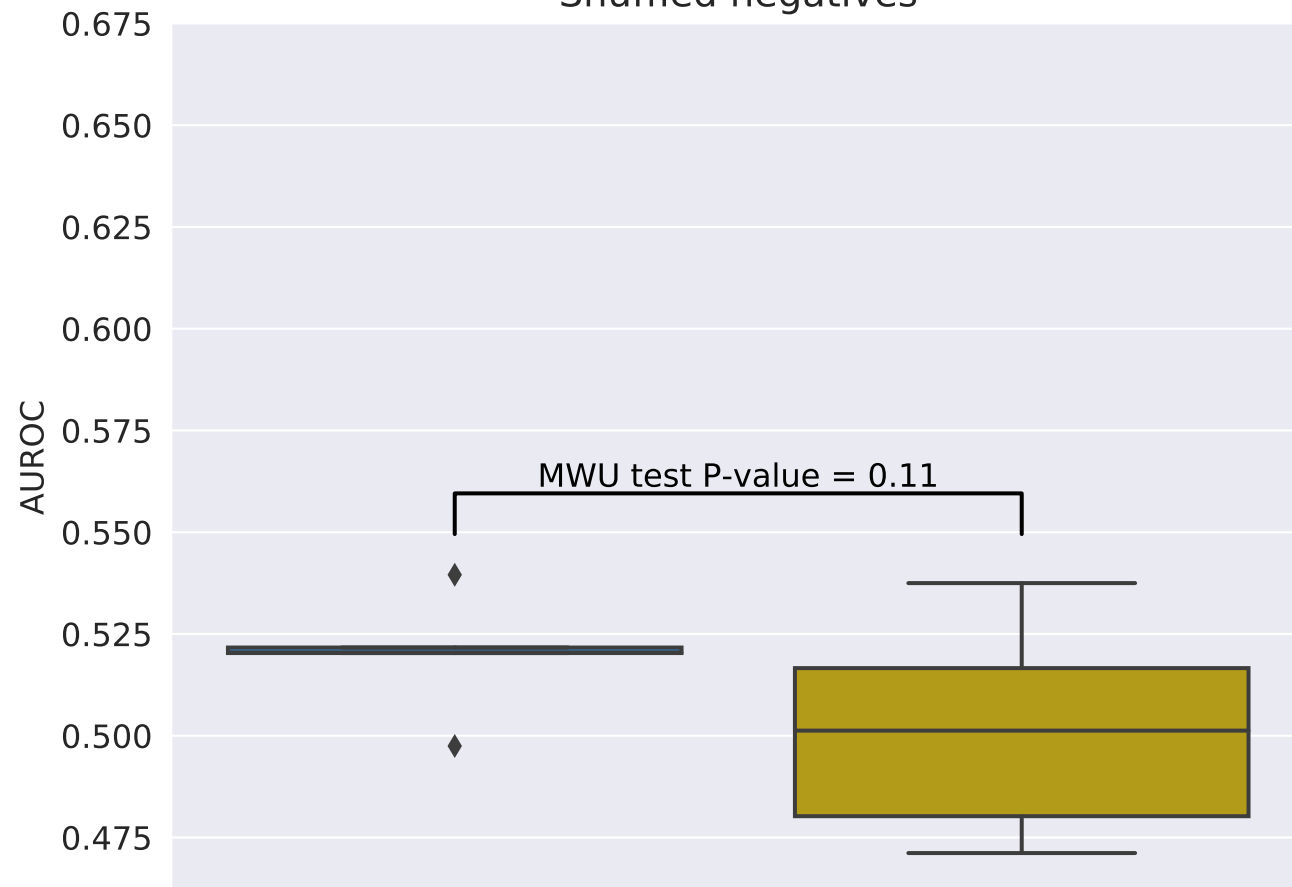


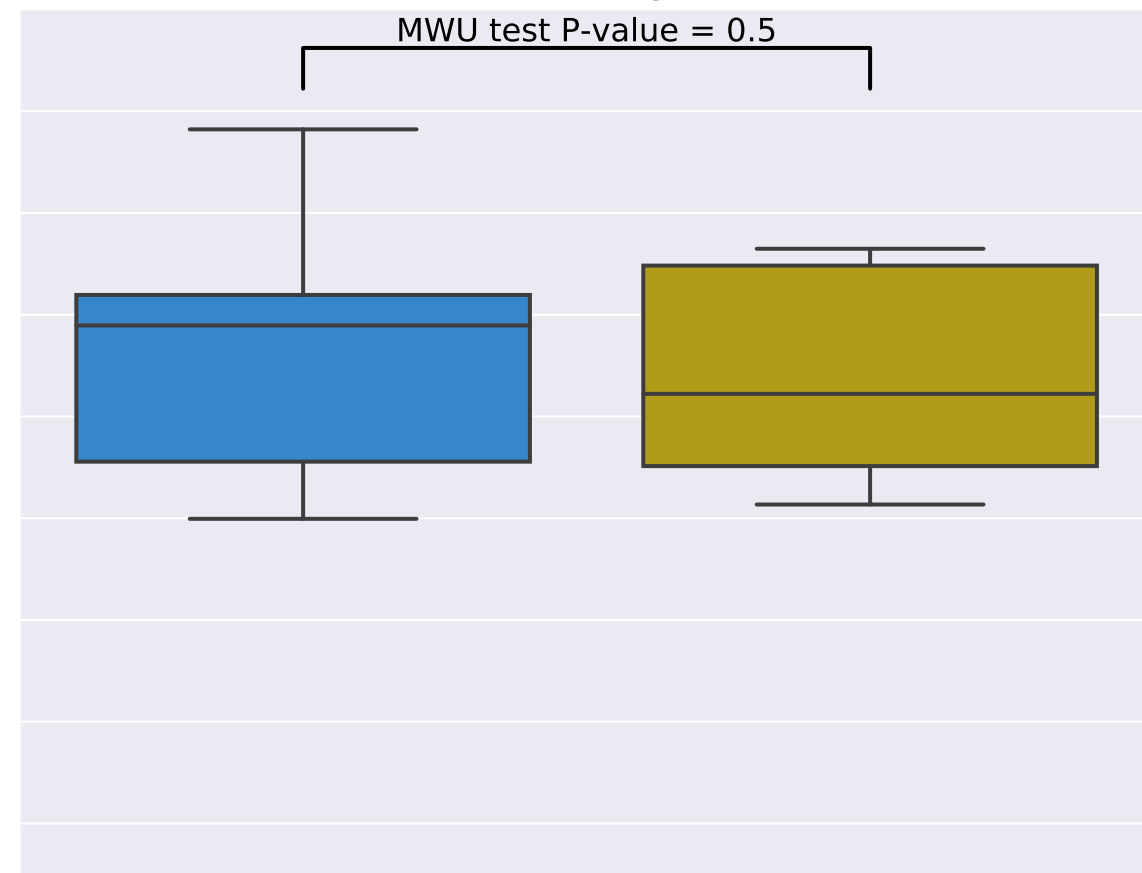
Shuffled negatives



■ Dual input - TRB - epitope-grouped - shuffled negatives ($\overline{AUROC} = 0.52 \pm 0.01$ s)

■ Dual input - TRB - epitope-grouped - shuffled negatives - decoy ($\overline{AUROC} = 0.50 \pm 0.03$ s)

Reference negatives



■ Dual input - TRB - epitope-grouped - reference negatives ($\overline{AUROC} = 0.59 \pm 0.04$ s)

■ Dual input - TRB - epitope-grouped - reference negatives - decoy ($\overline{AUROC} = 0.58 \pm 0.03$ s)