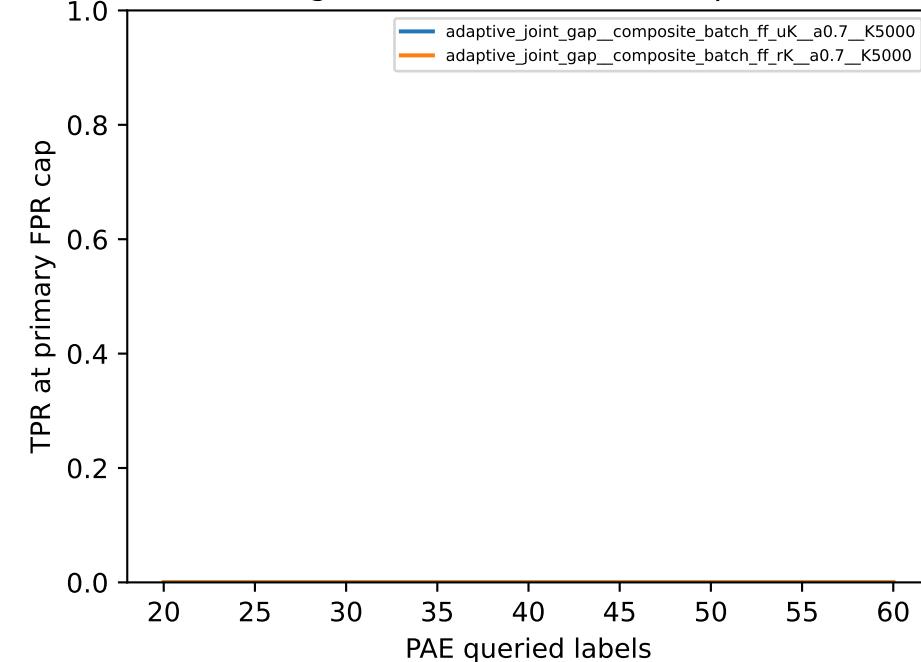
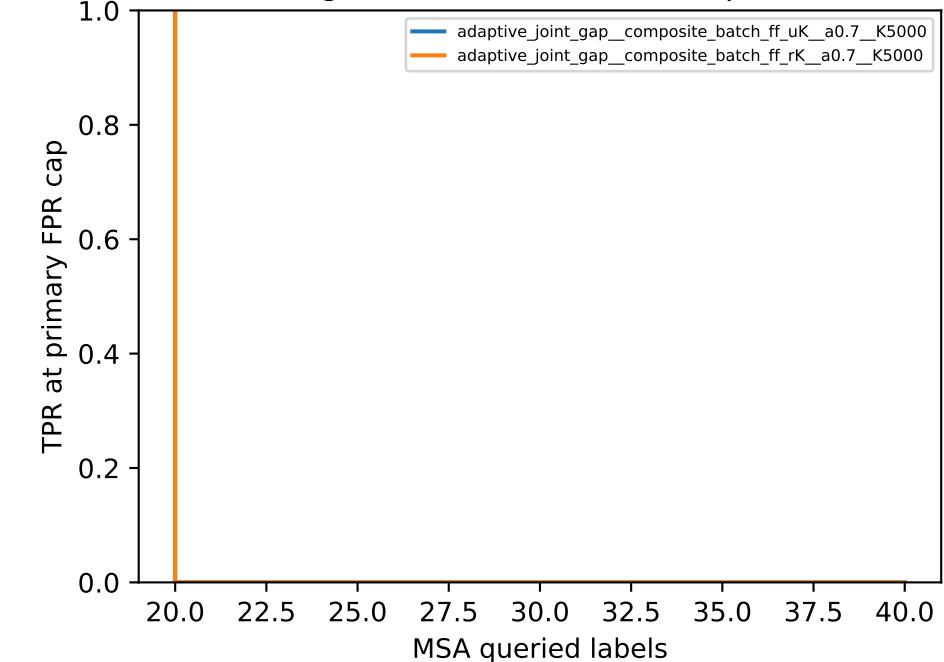


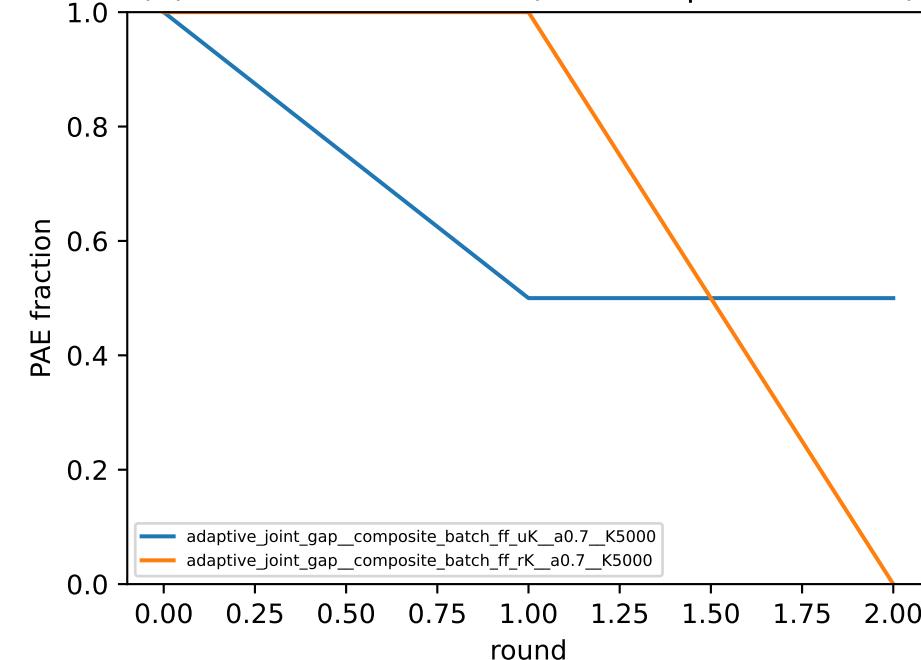
(A) PAE learning curve (holdout TPR@cap vs PAE budget)



(B) MSA learning curve (holdout TPR@cap vs MSA budget)



(C) Allocation over time (fraction queries to PAE)

(D)  $\Delta$ -lag: floor-clear  $\rightarrow$  joint-useable