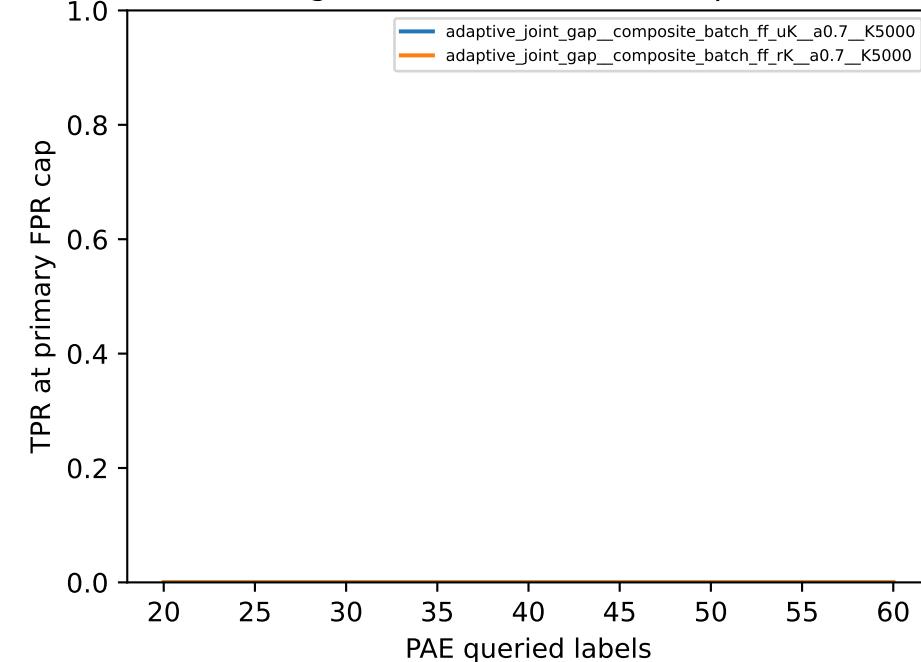
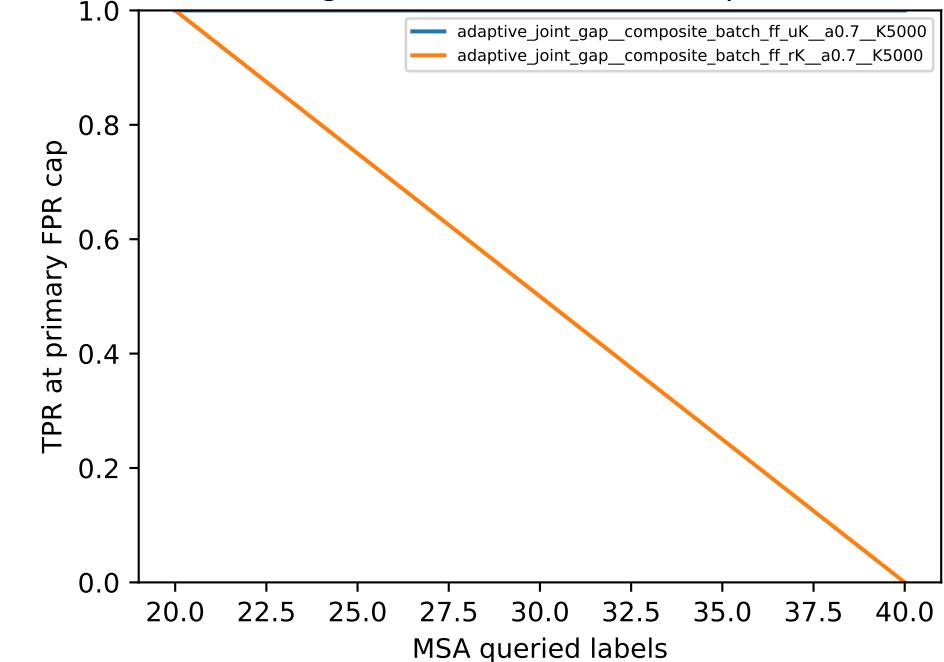


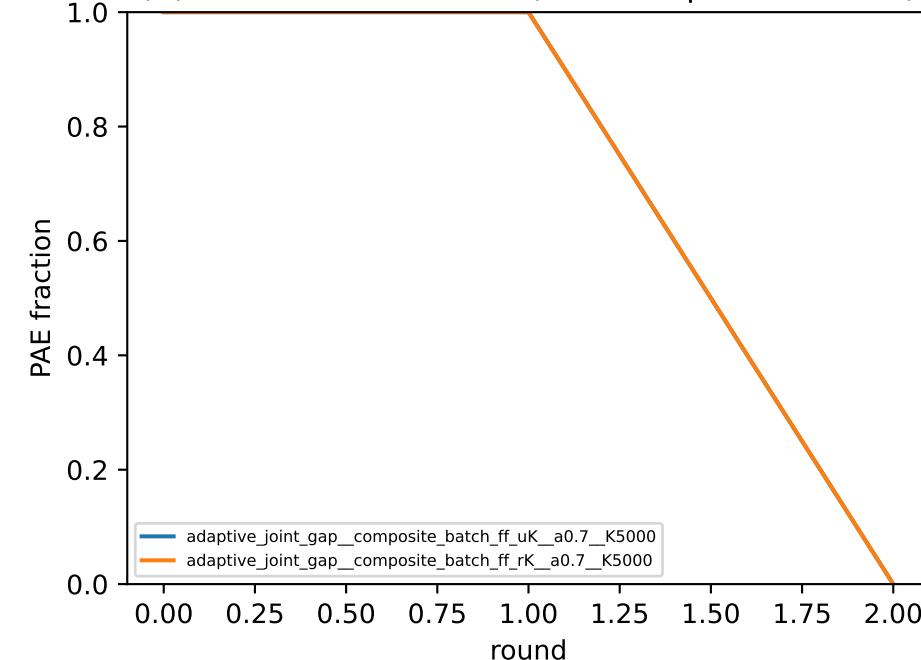
(A) PAE learning curve (holdout TPR@cap vs PAE budget)



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



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



(D) Δ-lag: floor-clear → joint-useable

