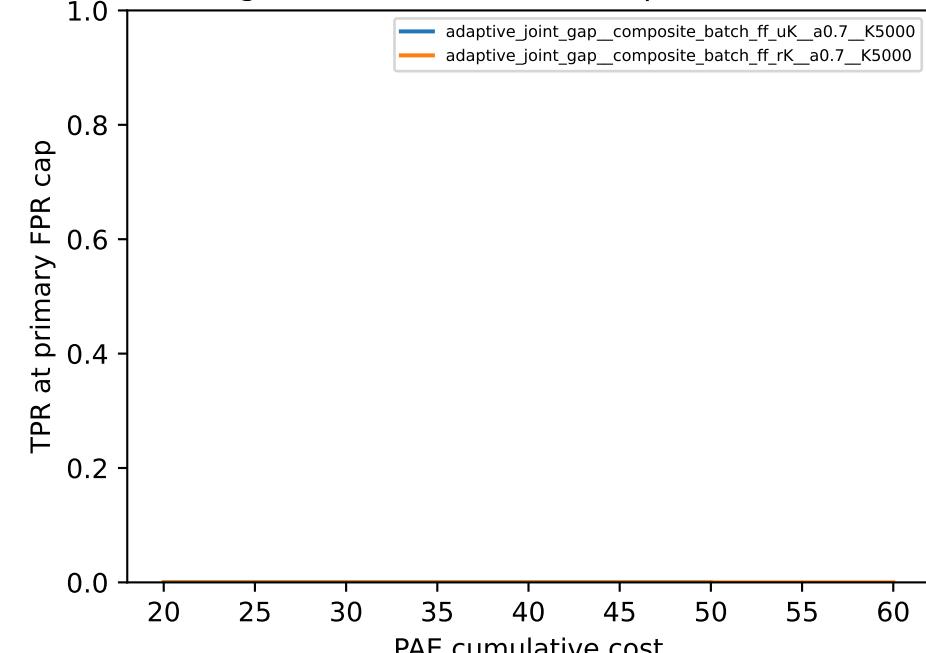
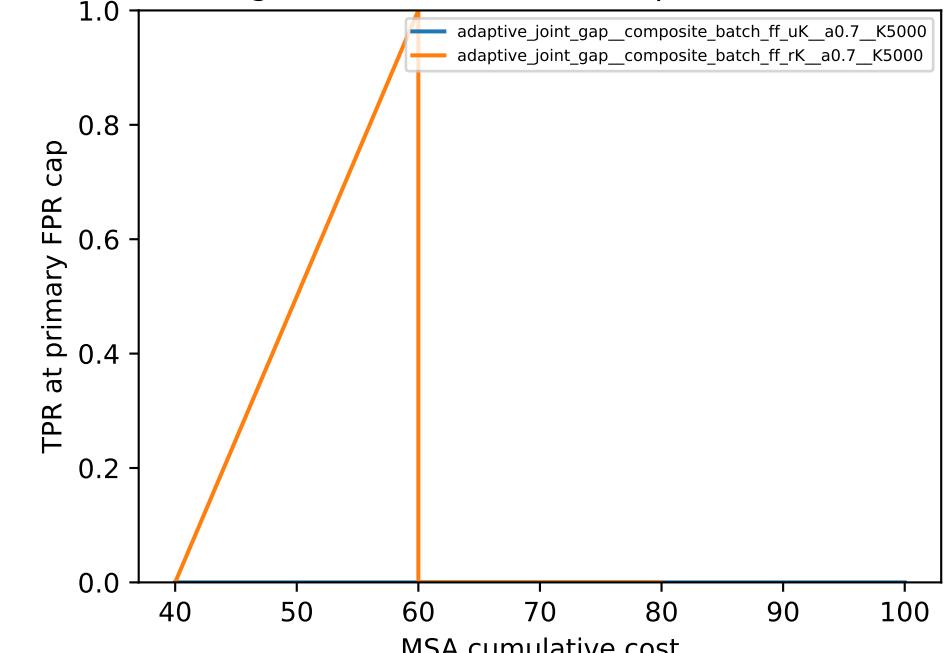


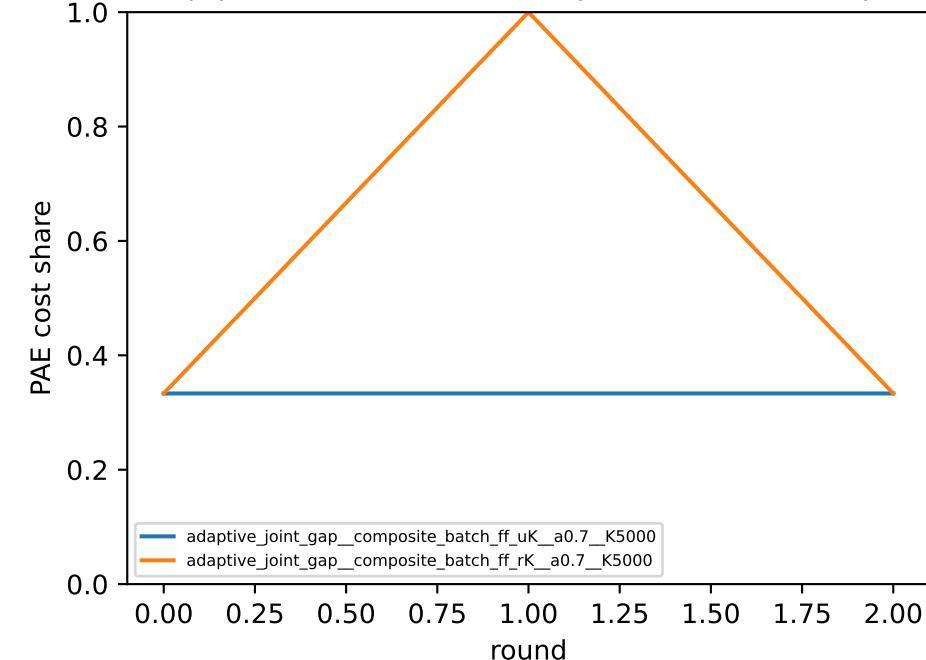
(A) PAE learning curve (holdout TPR@cap vs PAE cumulative cost)



(B) MSA learning curve (holdout TPR@cap vs MSA cumulative cost)

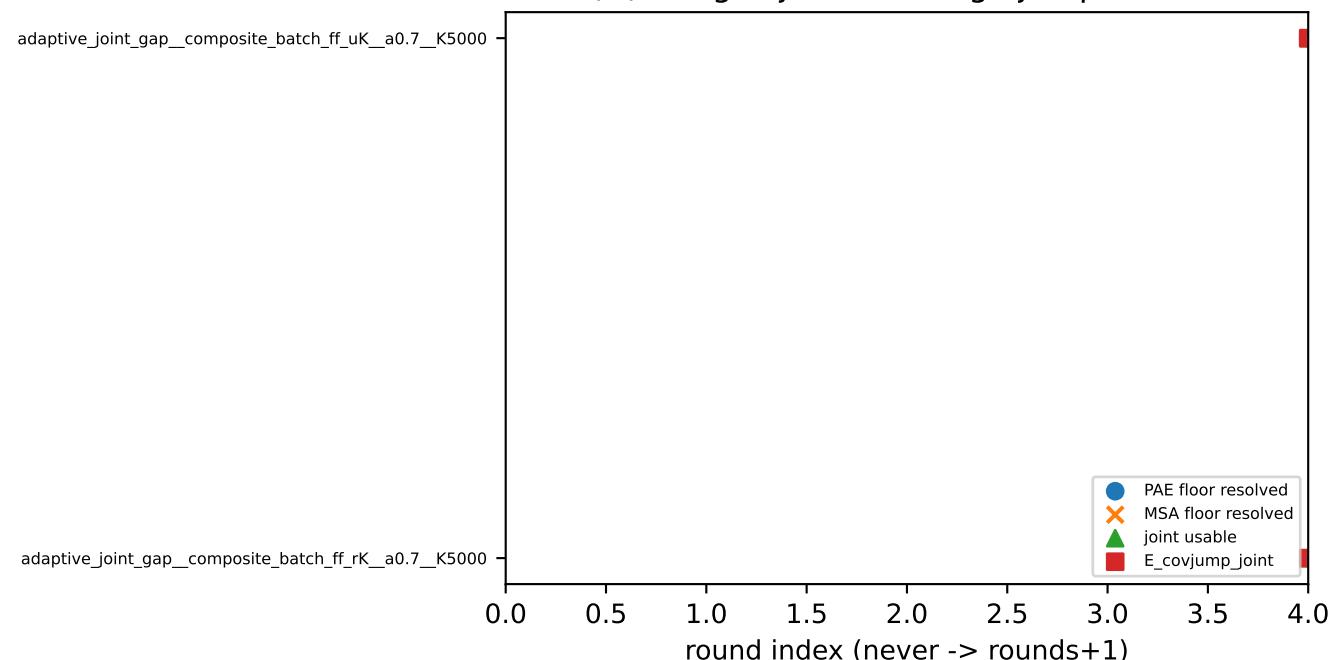


(C) Allocation over time (cost share to PAE)



adaptive_joint_gap_composite_batch_ff_uK_a0.7_K5000

adaptive_joint_gap_composite_batch_ff_rK_a0.7_K5000

(D) Δ -lag + joint coverage jump marker

- PAE floor resolved
- ✖ MSA floor resolved
- ▲ joint usable
- E_covjump_joint