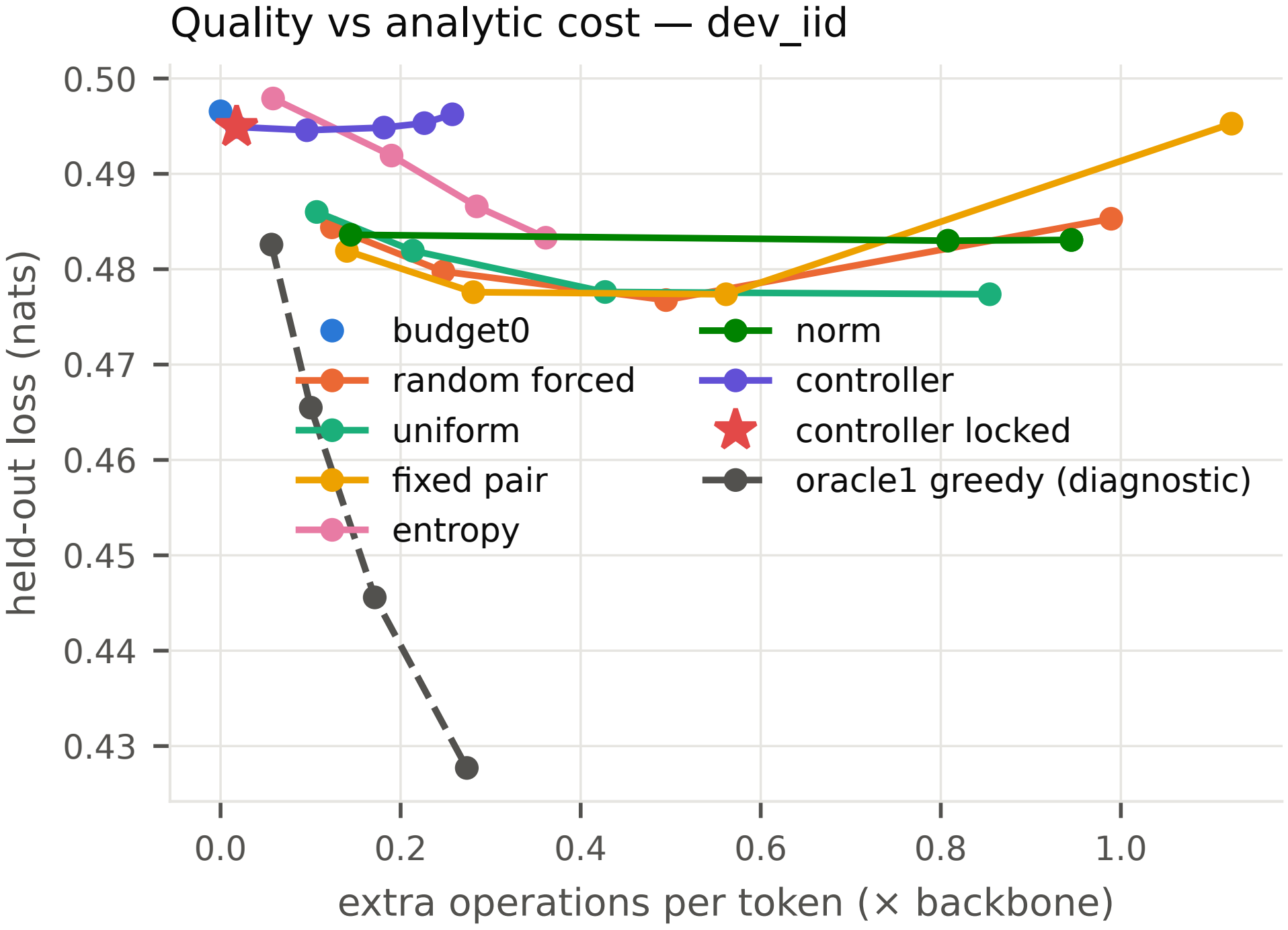

Quality vs analytic cost — dev_iid
held-out loss (nats)
0.50
0.49
0.48
0.47
0.46
0.45
0.44
0.43
0.0
0.2
0.4
0.6
0.8
1.0
extra operations per token (× backbone)
budget0
random forced
uniform
fixed pair
entropy
norm
controller
controller locked
oracle1 greedy (diagnostic)