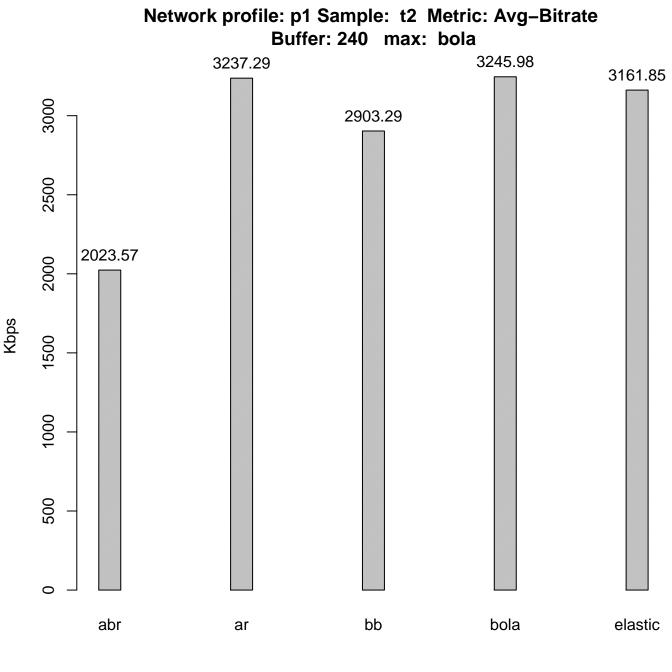
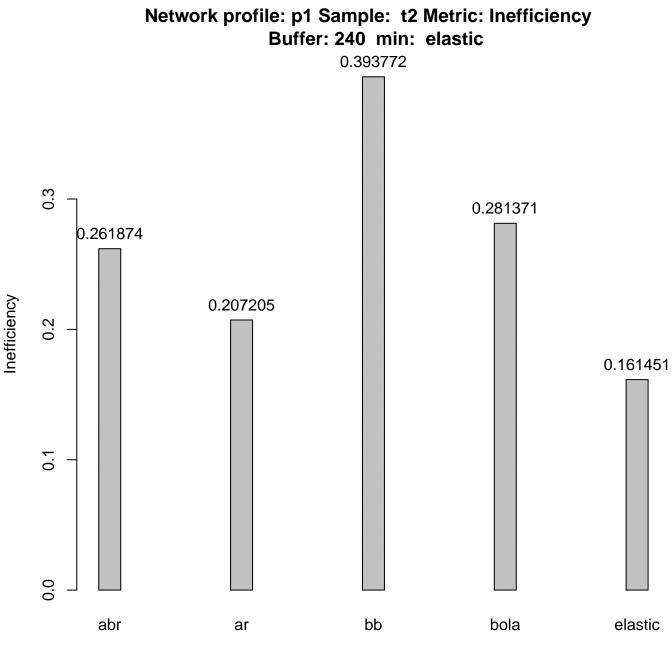
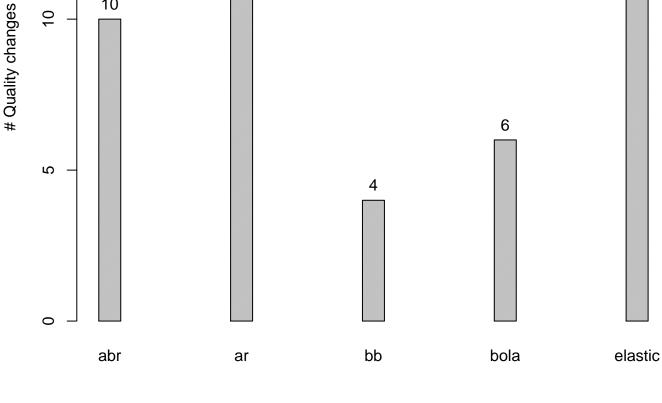


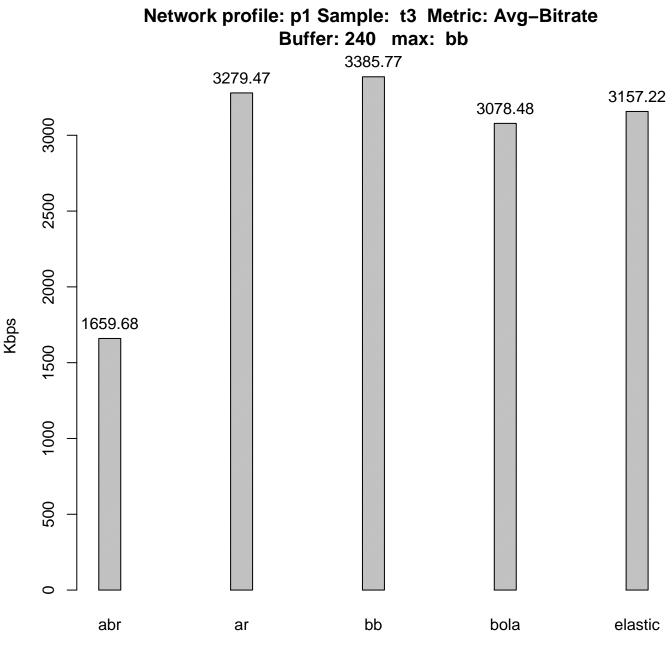
Network profile: p1 Sample: t1 Metric: # quality change Buffer: 240 min: bb 46 45 40 30 # Quality changes 20 10 8 6 elastic abr bb bola ar

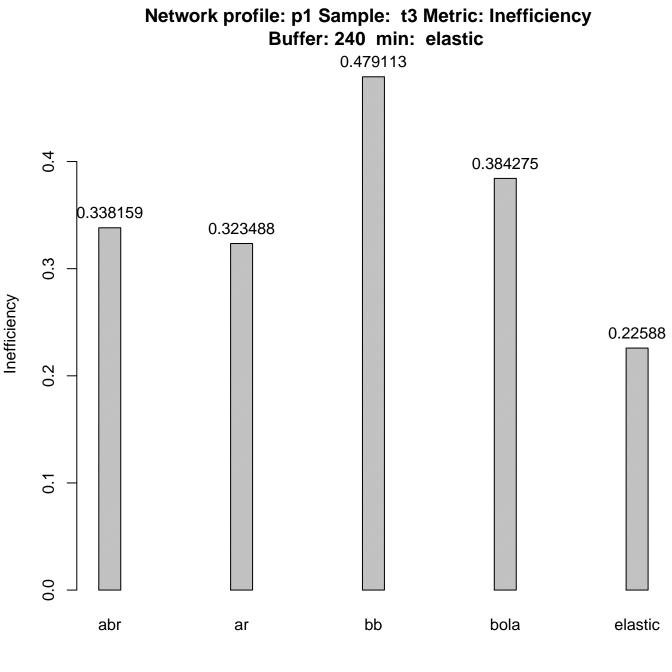


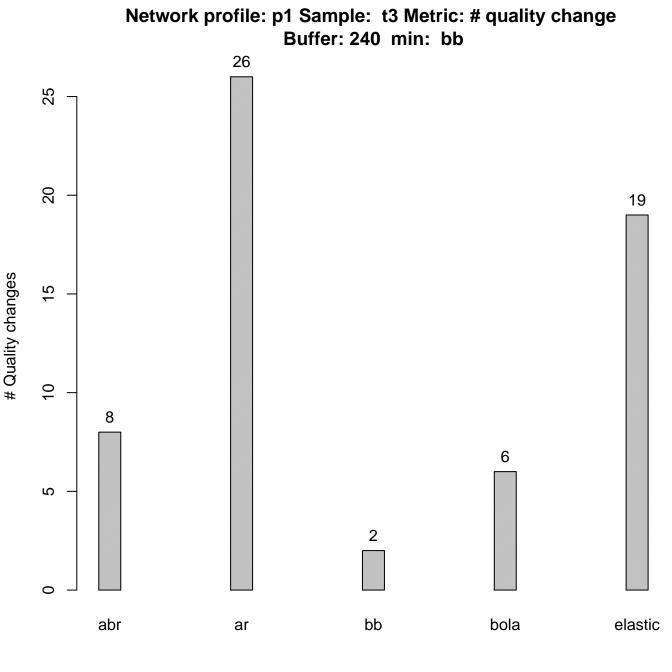


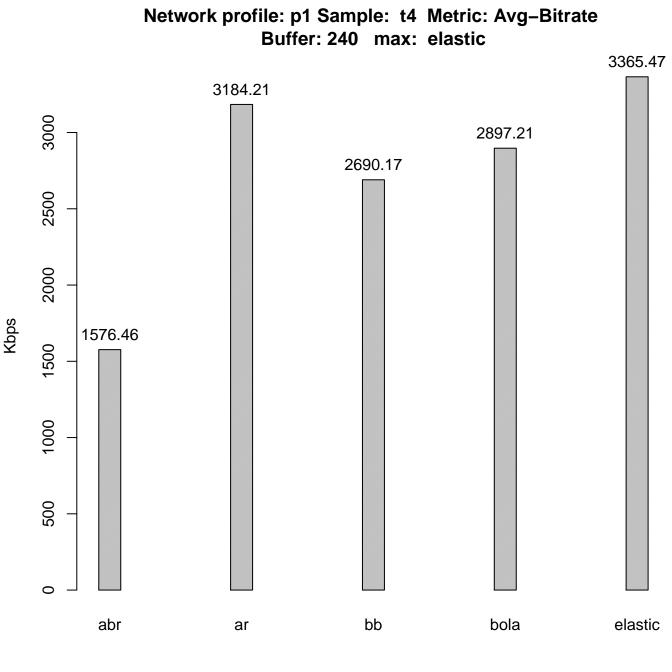
Network profile: p1 Sample: t2 Metric: # quality change Buffer: 240 min: bb

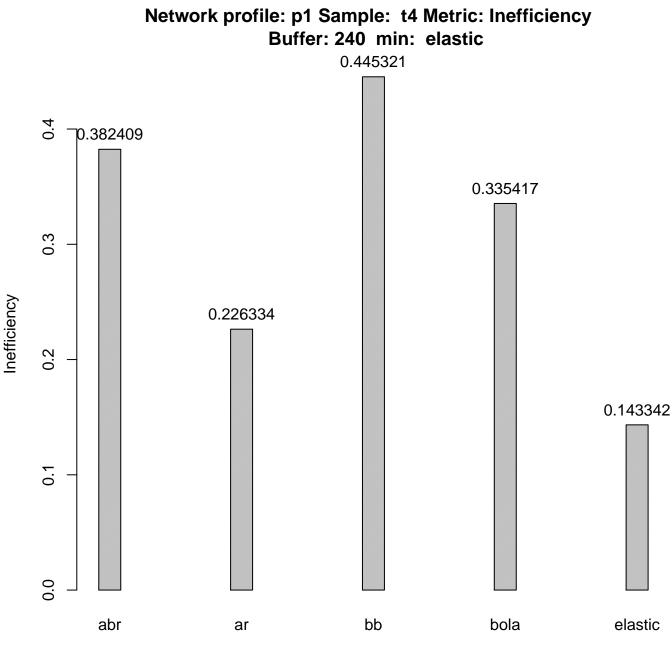


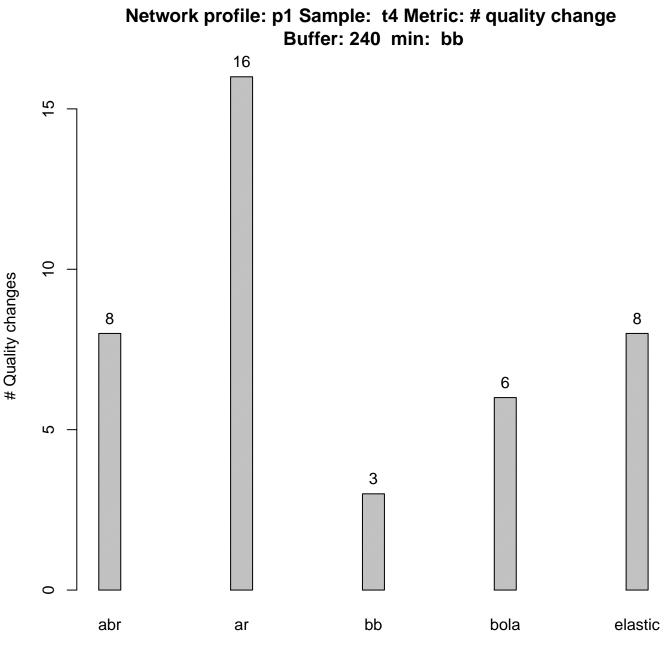




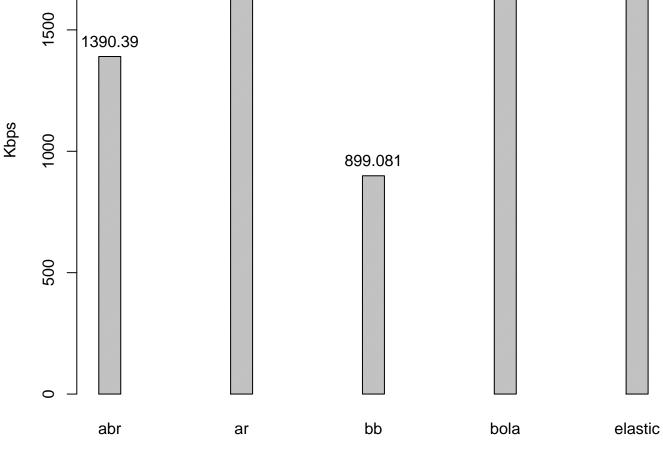


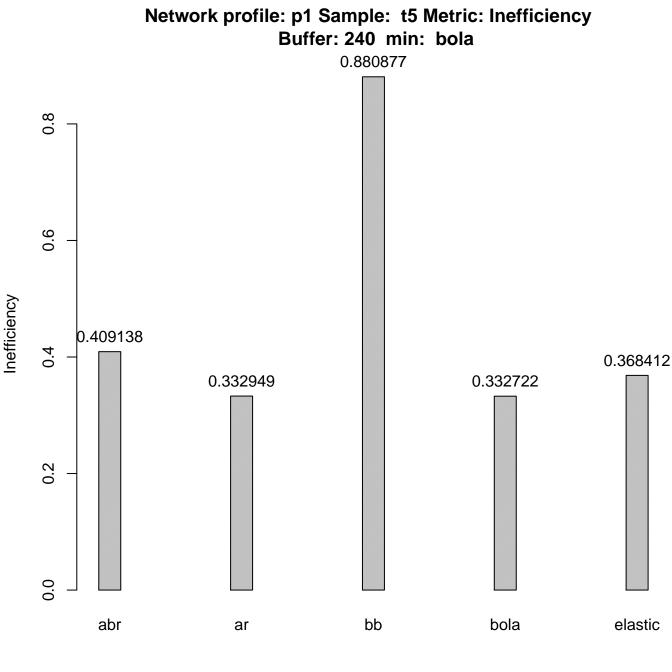


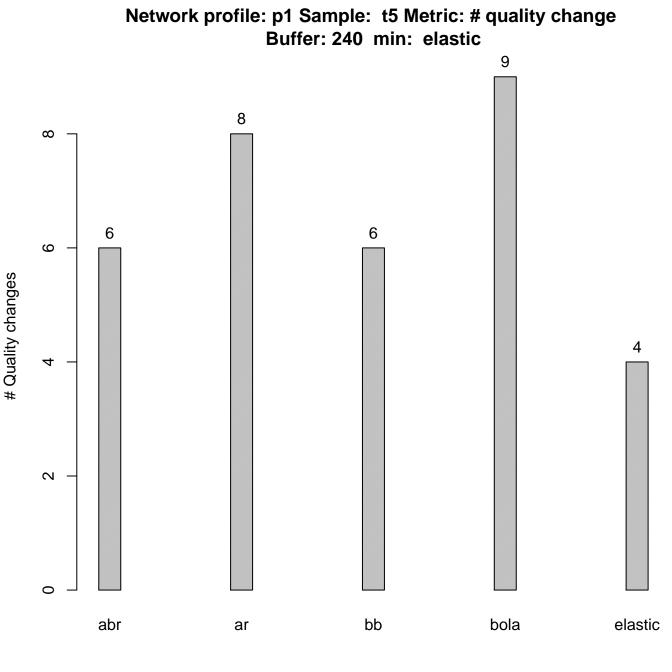


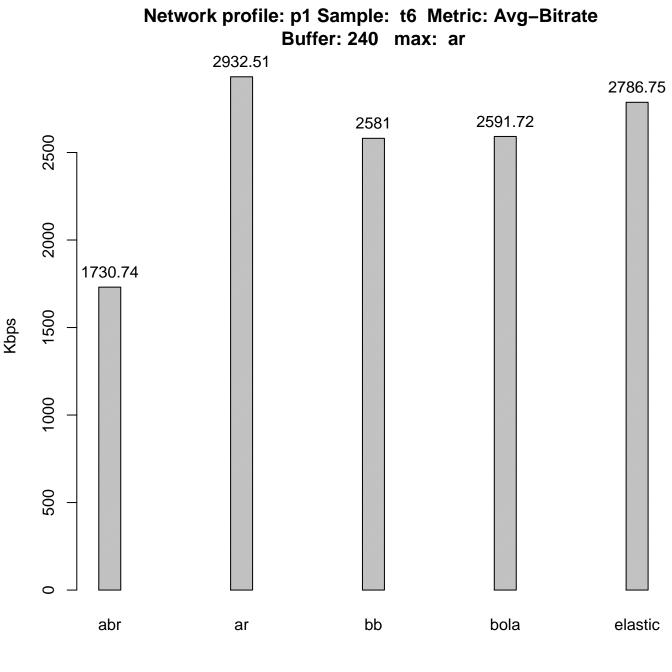


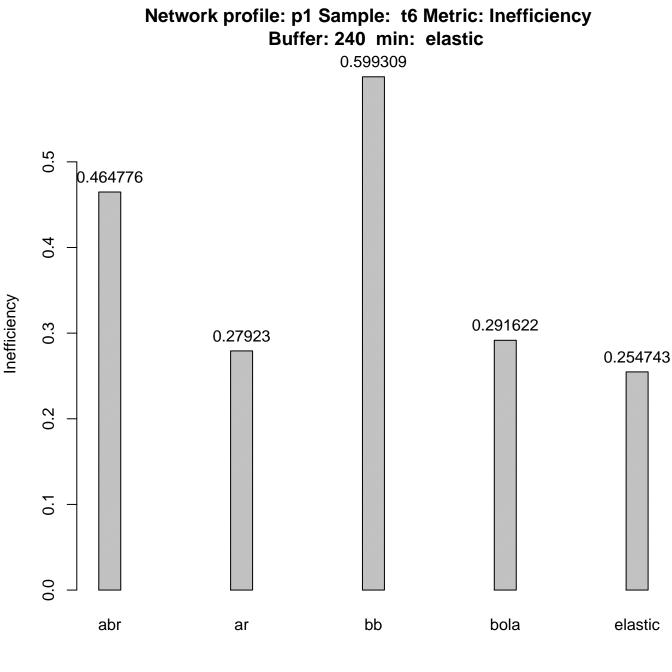
Network profile: p1 Sample: t5 Metric: Avg-Bitrate Buffer: 240 max: elastic 2114.1 2000 1915.66 1753.6 1500 1390.39 899.081

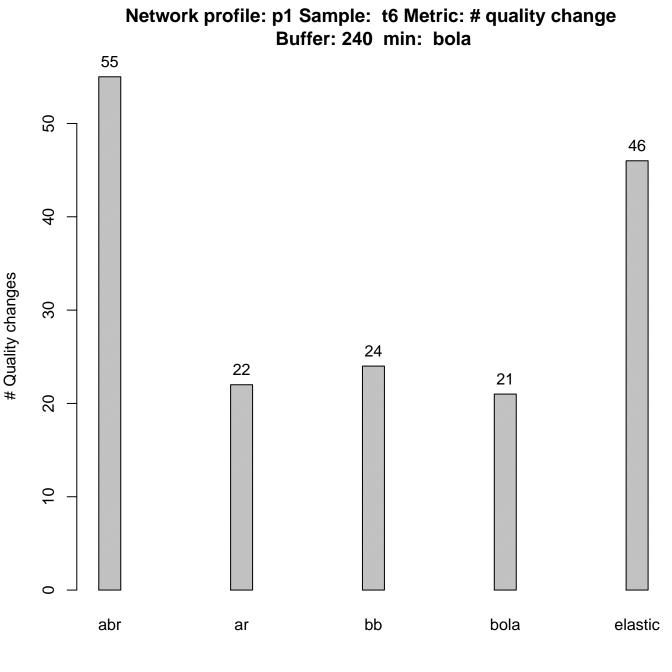




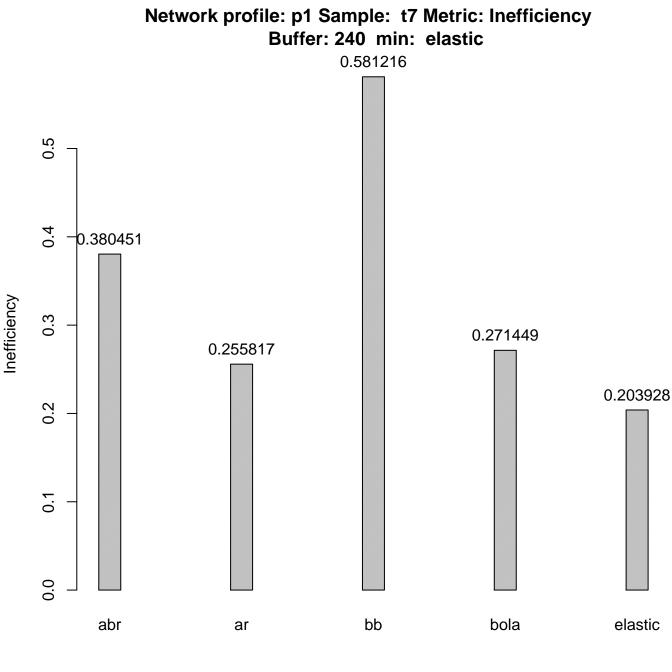




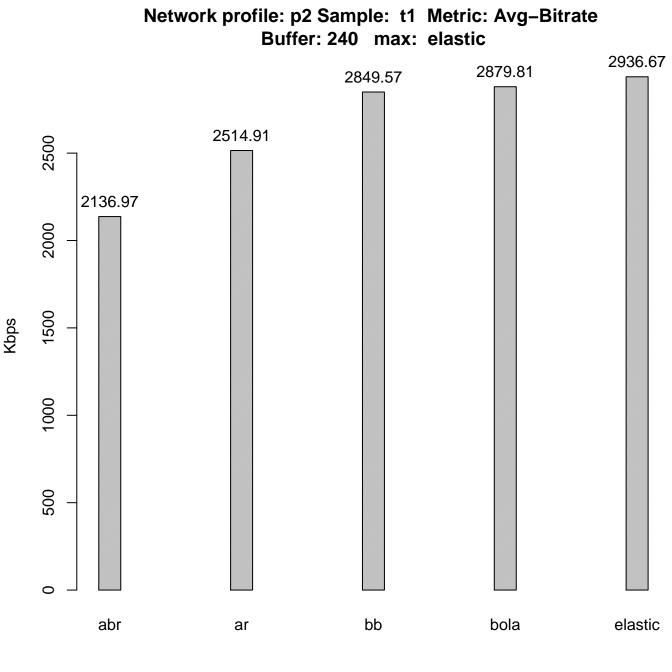


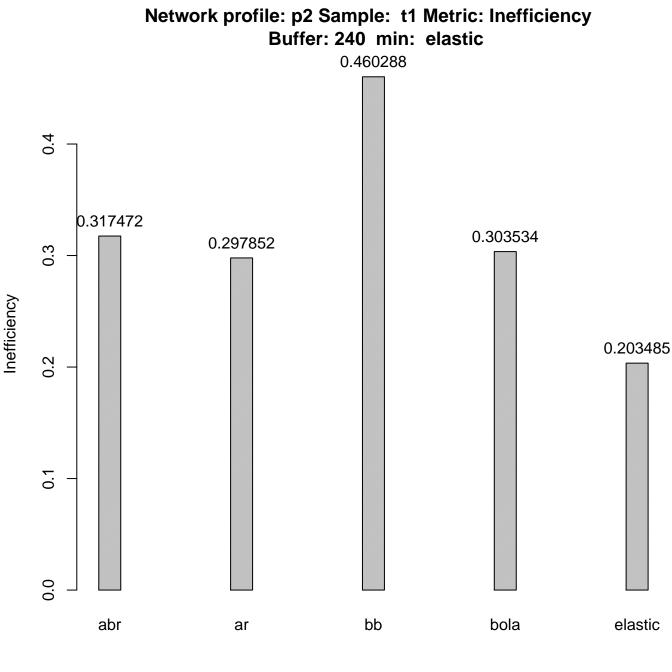


Network profile: p1 Sample: t7 Metric: Avg-Bitrate Buffer: 240 max: bola 2664 2657.37 2650.9 2523.29 2500 2466.26 2000 1500 1000 500 bb bola elastic abr ar

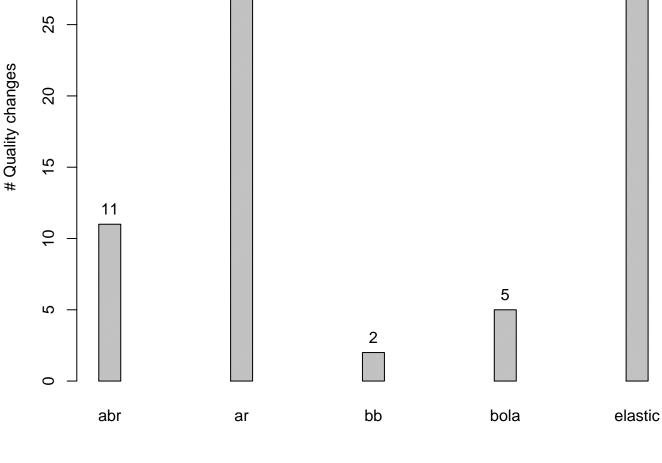


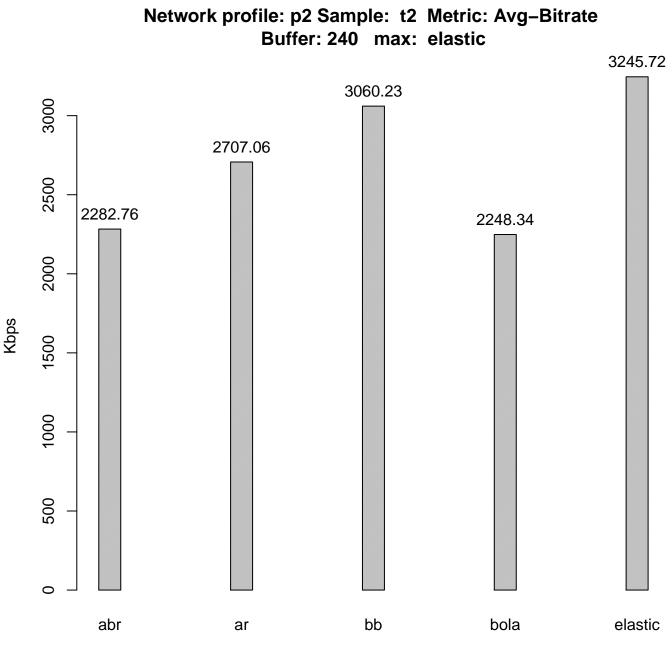
Network profile: p1 Sample: t7 Metric: # quality change Buffer: 240 min: bb 47 4 30 30 # Quality changes 20 18 18 10 7 abr bb bola elastic ar

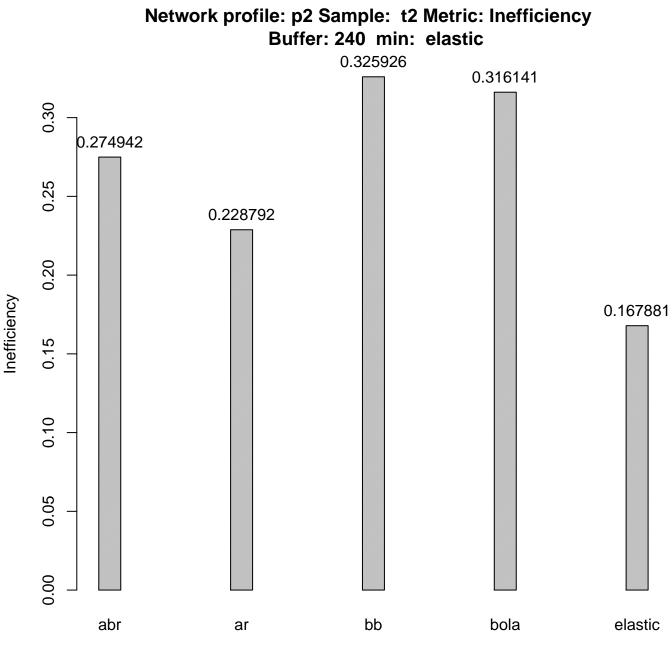


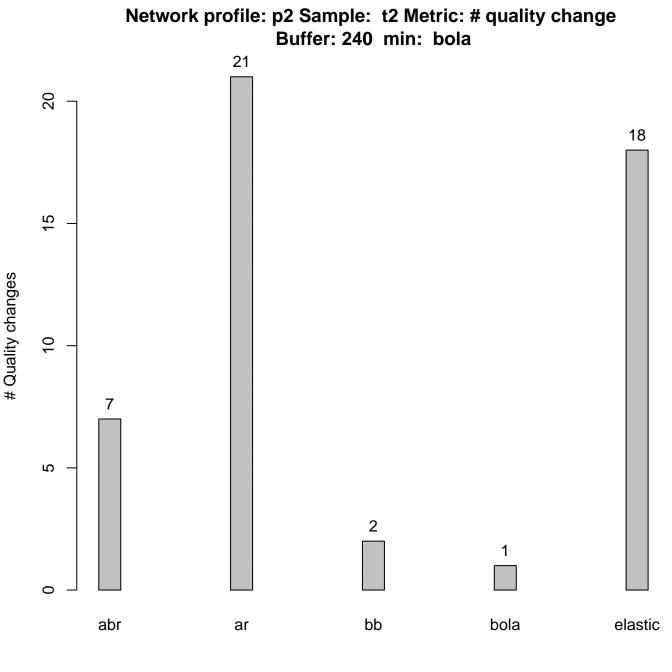


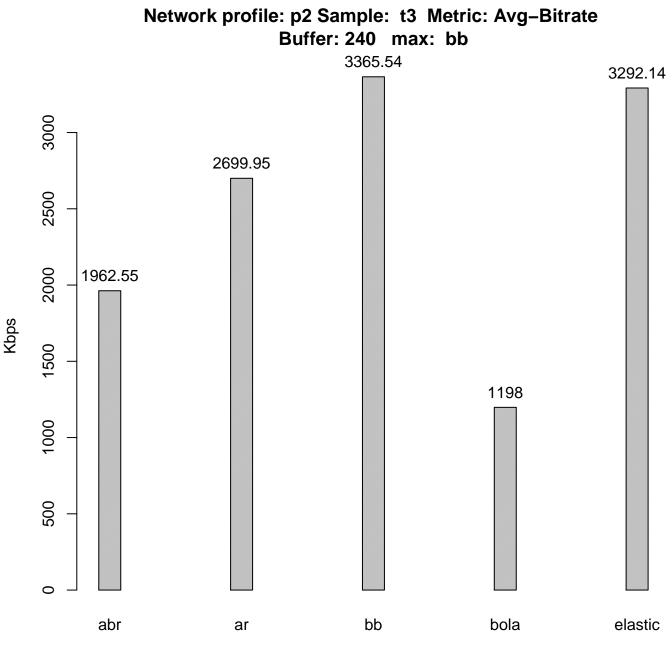
Network profile: p2 Sample: t1 Metric: # quality change Buffer: 240 min: bb

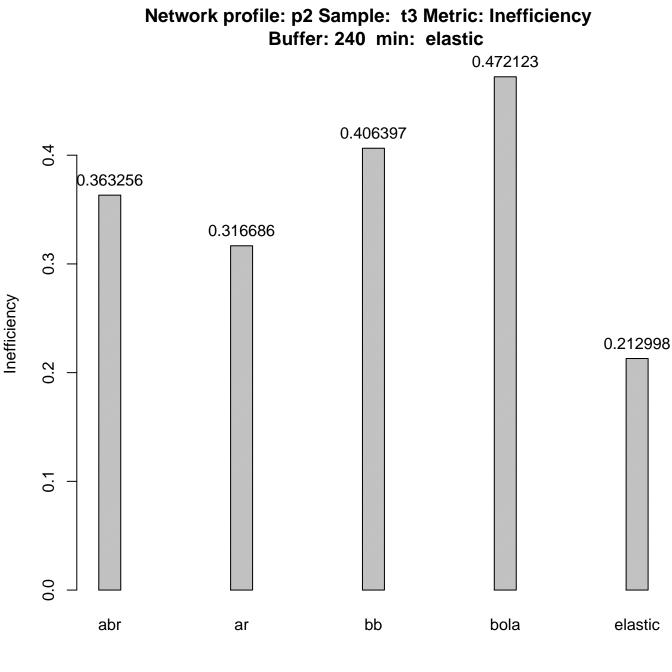


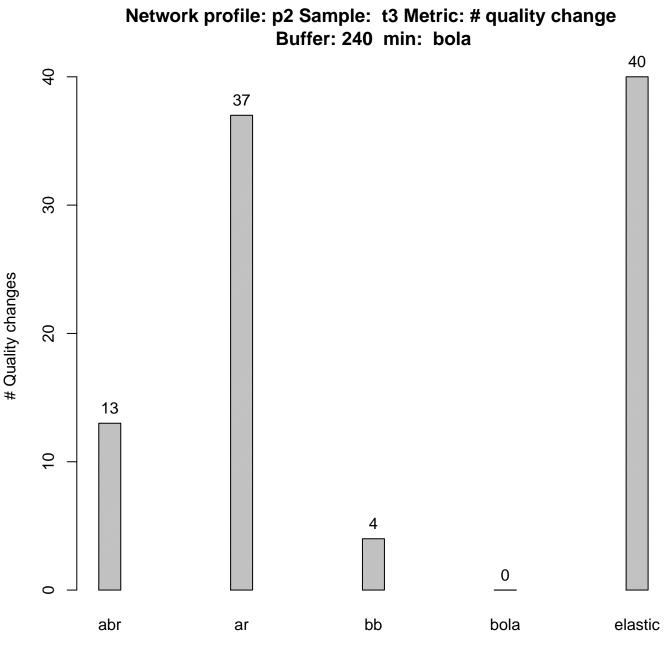


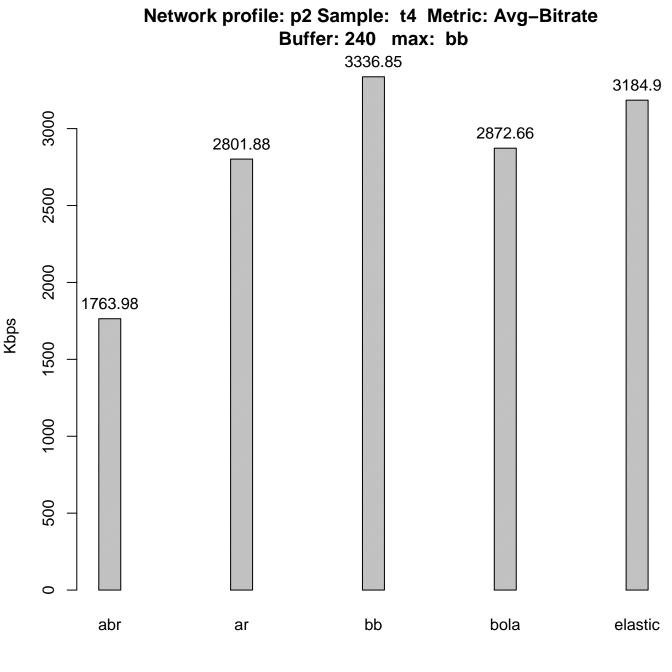


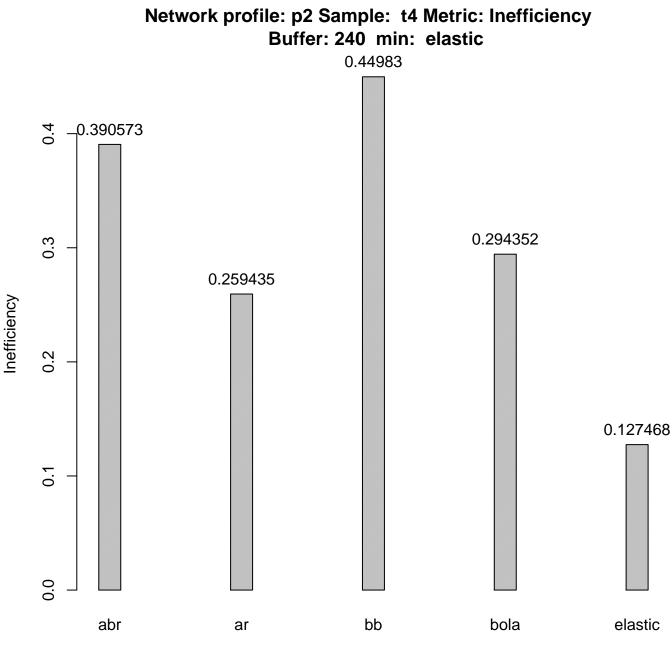


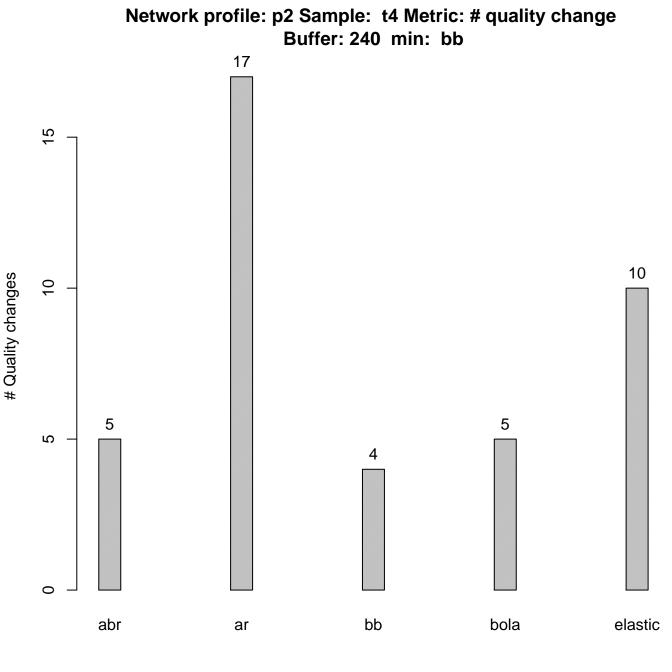


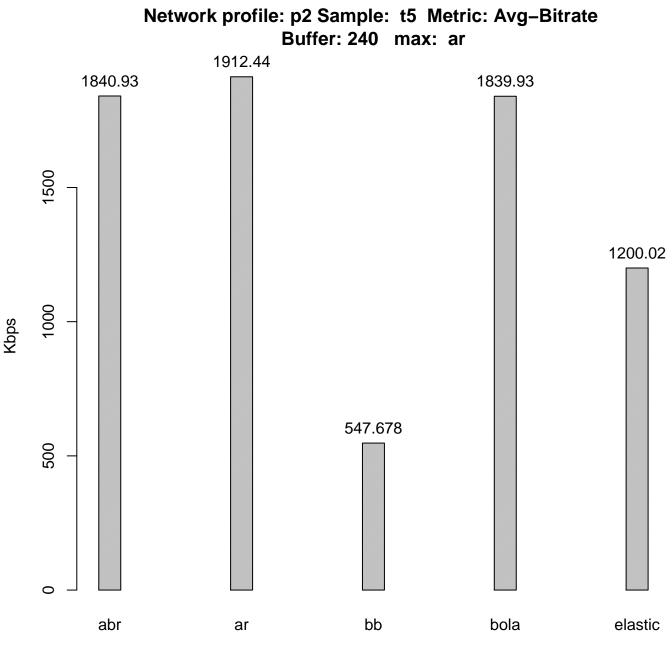


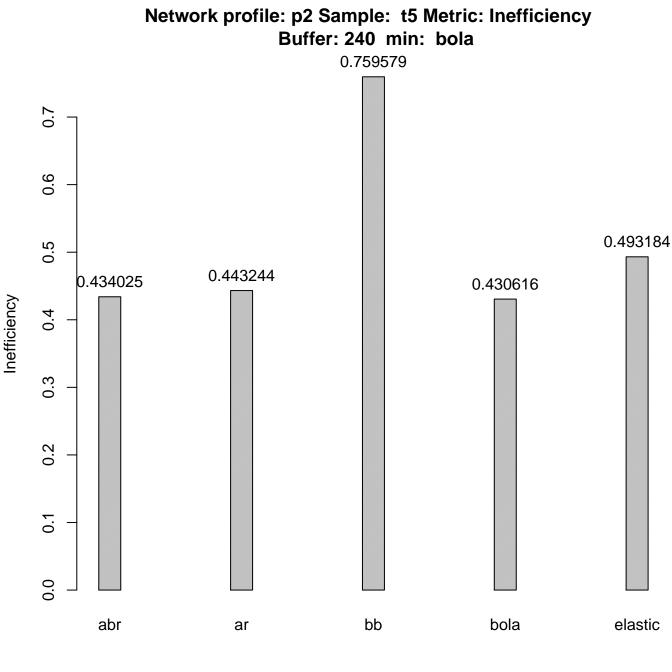




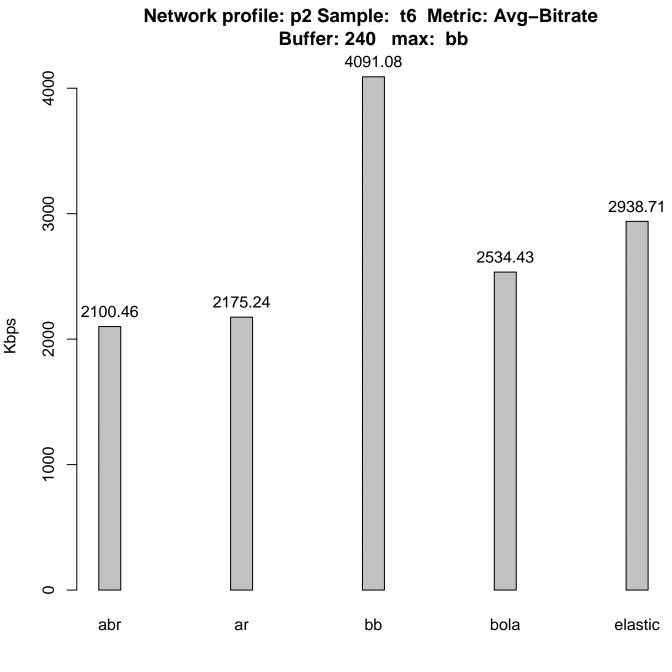


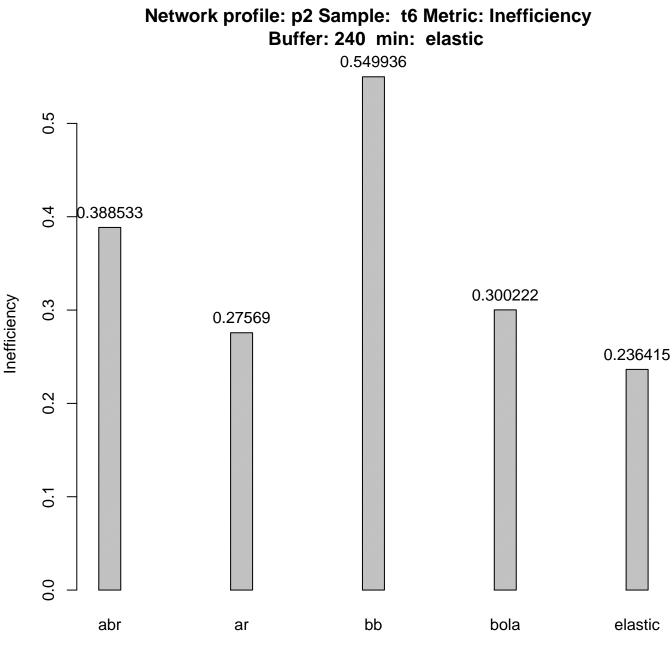


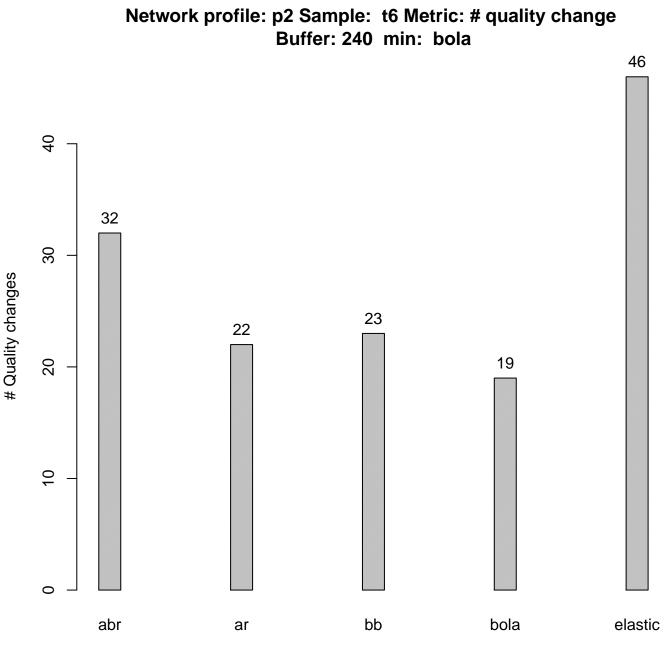


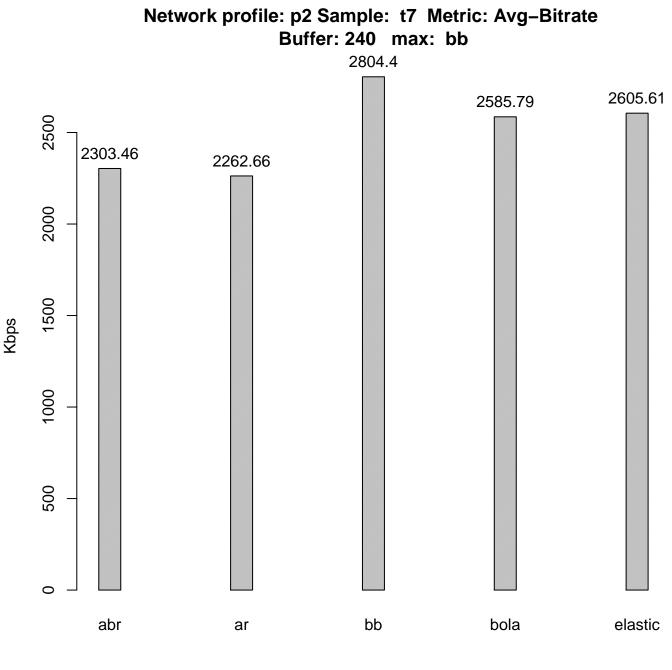


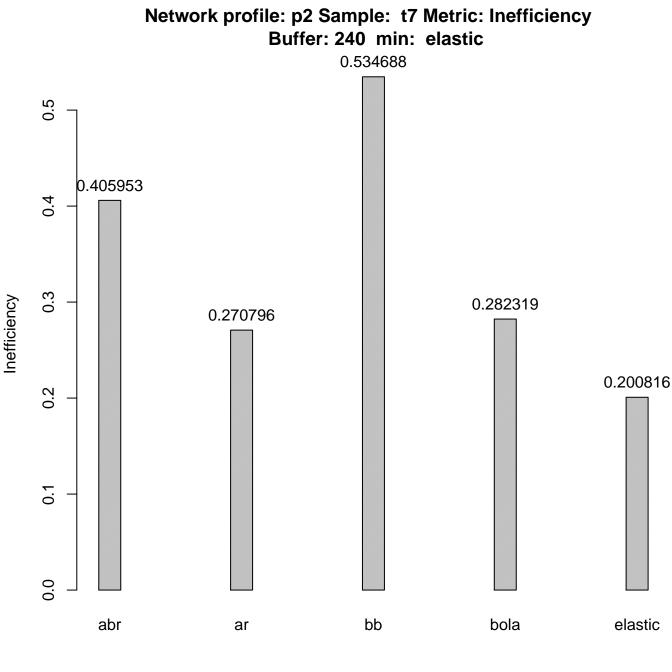
Network profile: p2 Sample: t5 Metric: # quality change Buffer: 240 min: abr 8 ∞ 9 5 # Quality changes 4 4 4 $^{\circ}$ abr bb bola elastic ar



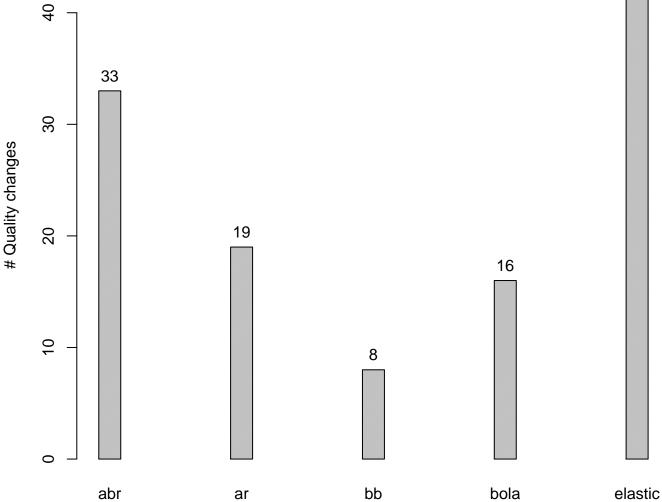


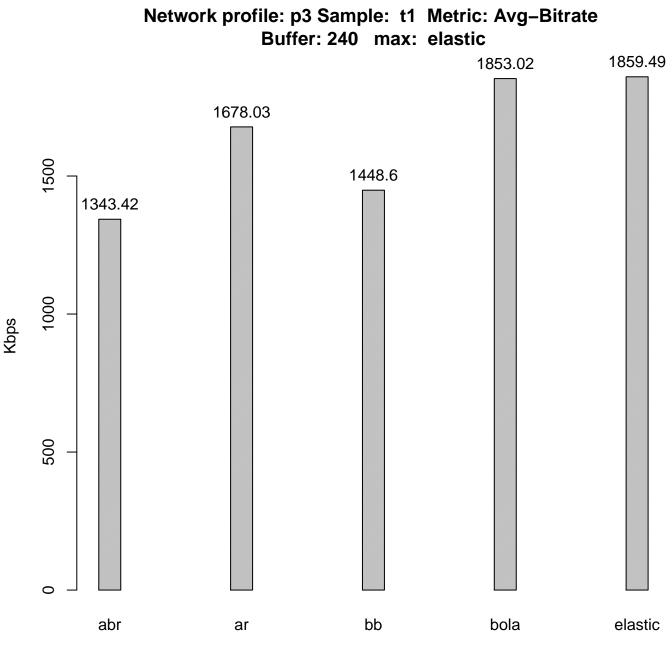


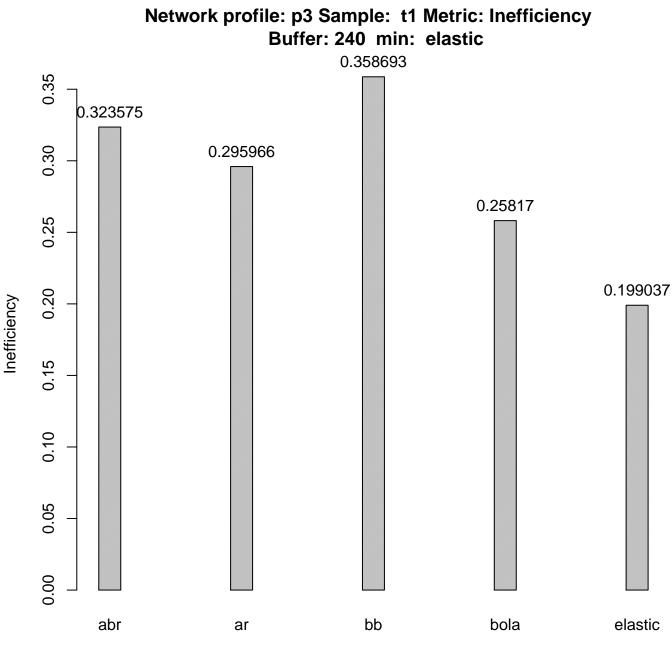




Network profile: p2 Sample: t7 Metric: # quality change
Buffer: 240 min: bb







Network profile: p3 Sample: t1 Metric: # quality change Buffer: 240 min: bb 49 40 30 # Quality changes 23 20 12 10 10

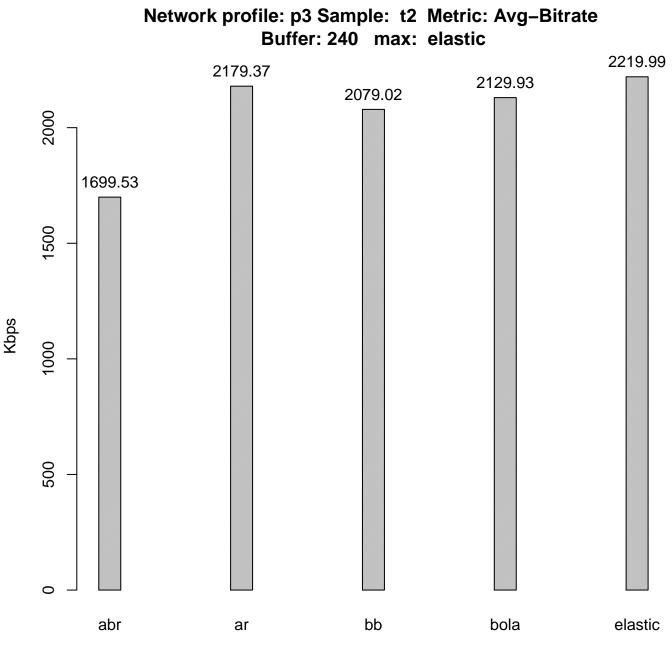
bb

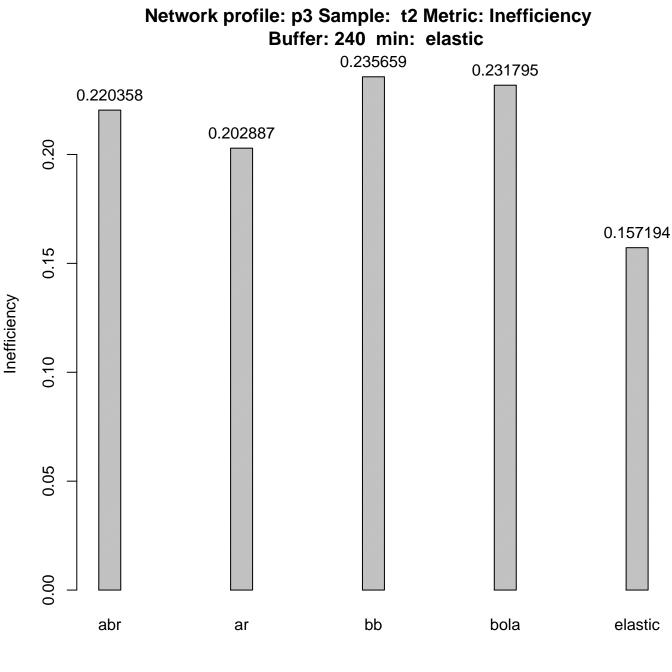
bola

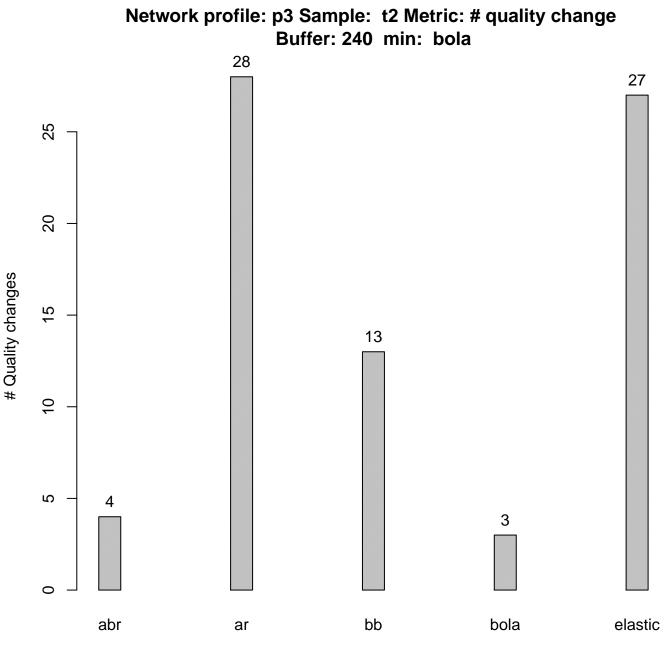
elastic

abr

ar



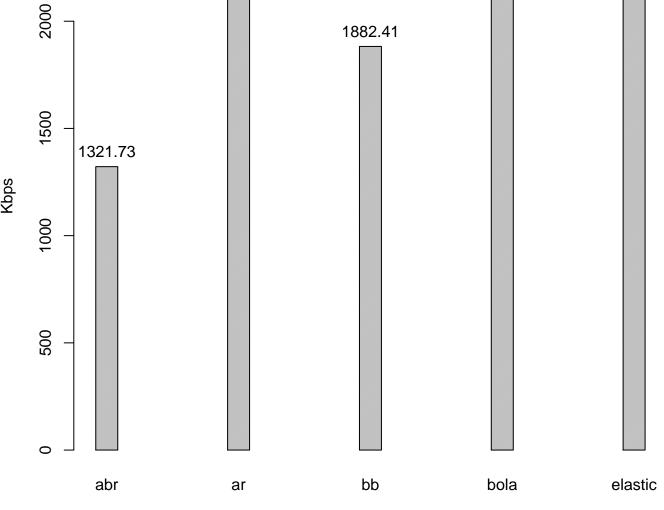


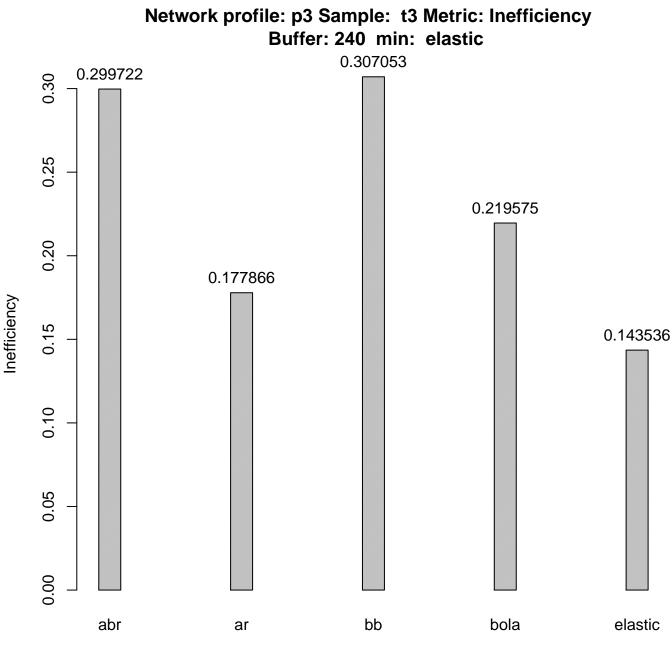


Network profile: p3 Sample: t3 Metric: Avg-Bitrate
Buffer: 240 max: ar

2393.71

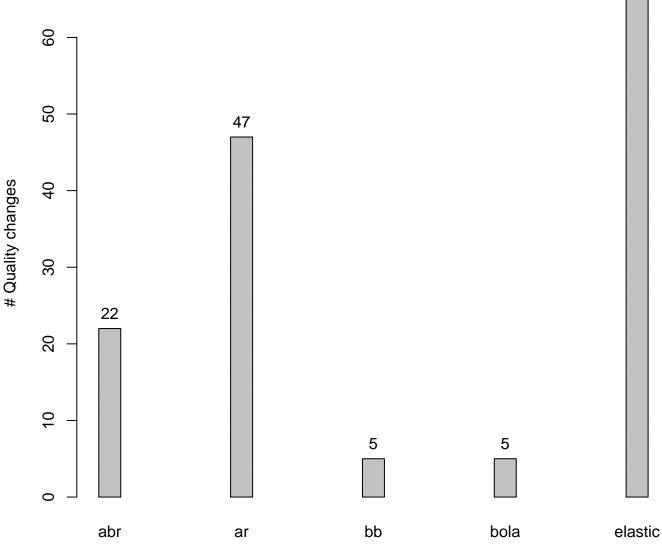
1882.41

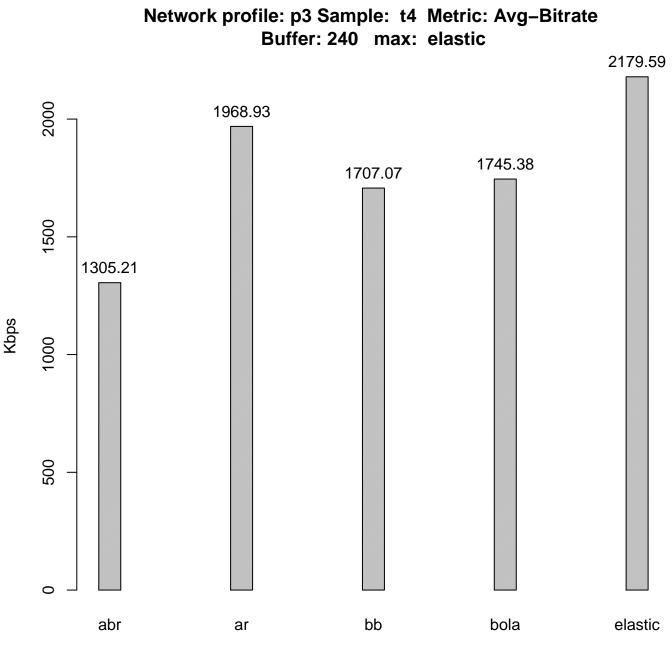


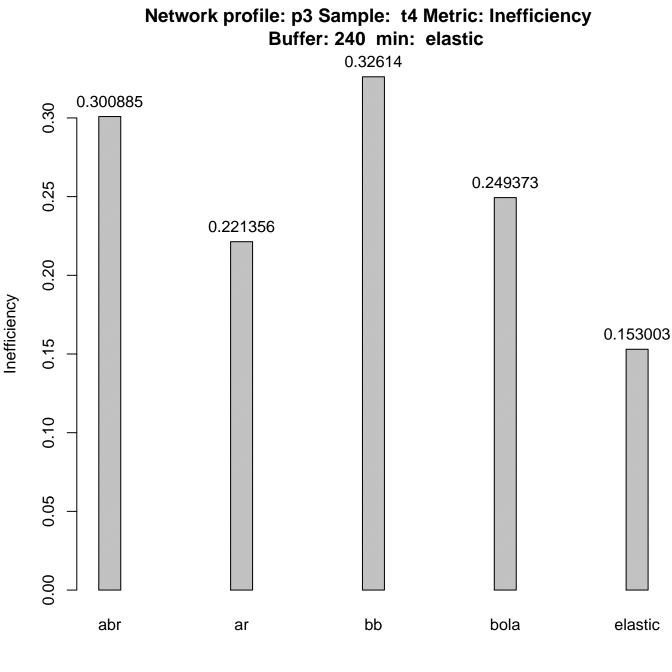


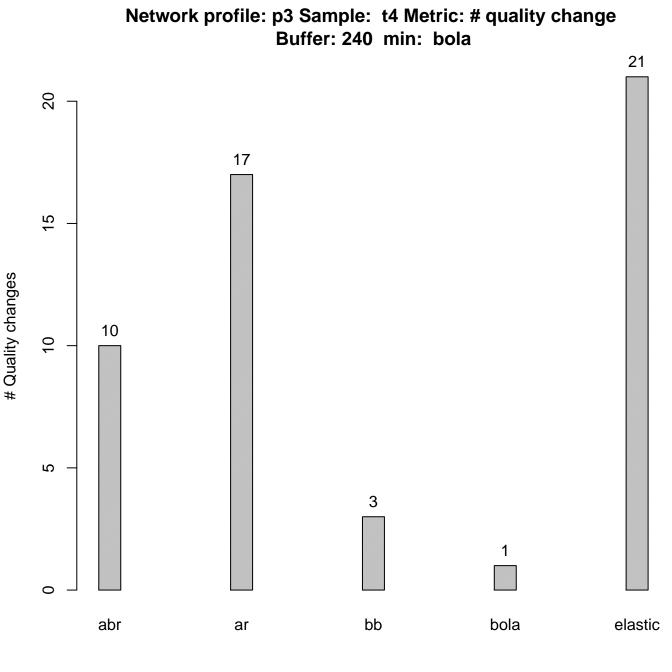
Network profile: p3 Sample: t3 Metric: # quality change Buffer: 240 min: bb

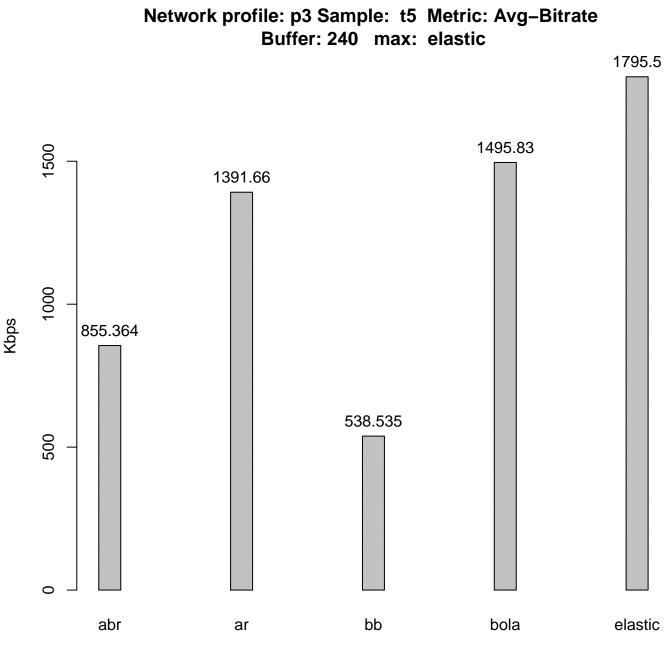
67

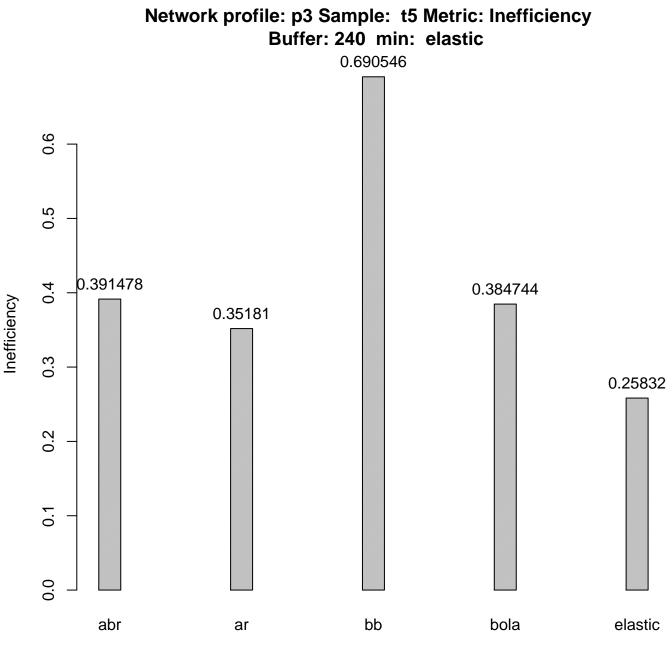




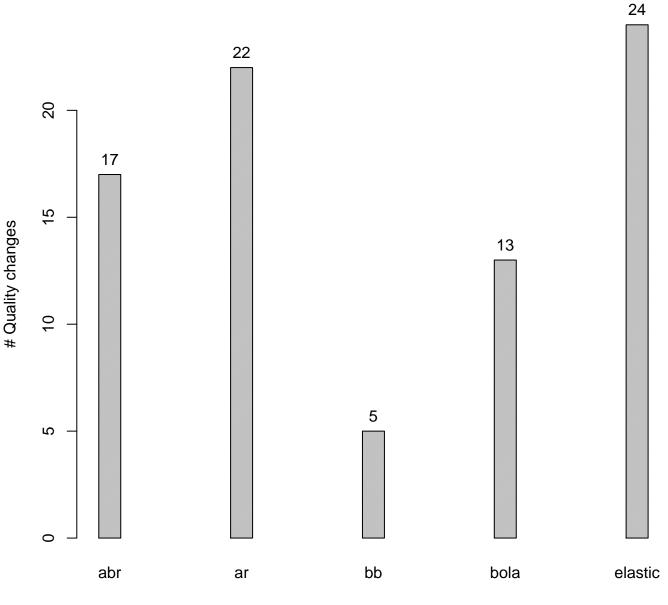


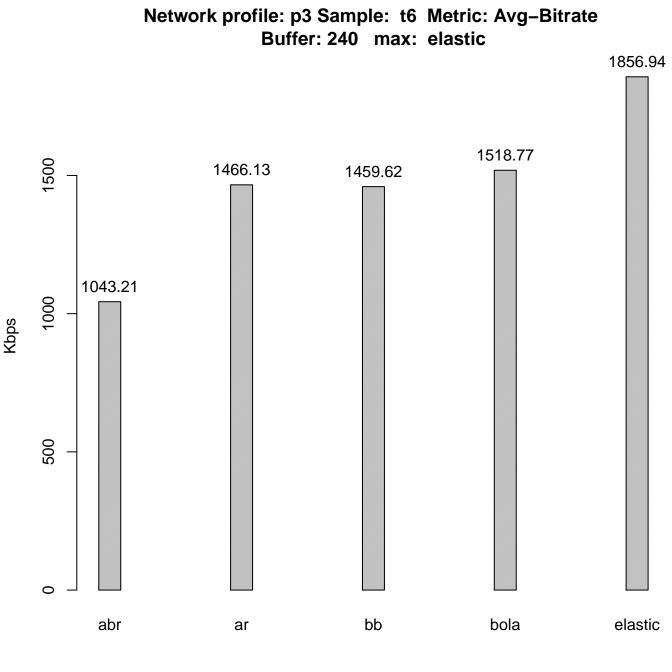


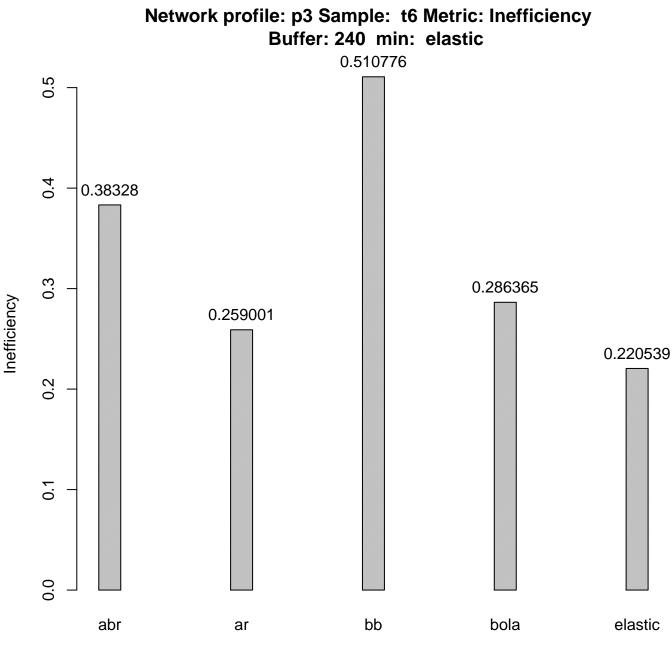




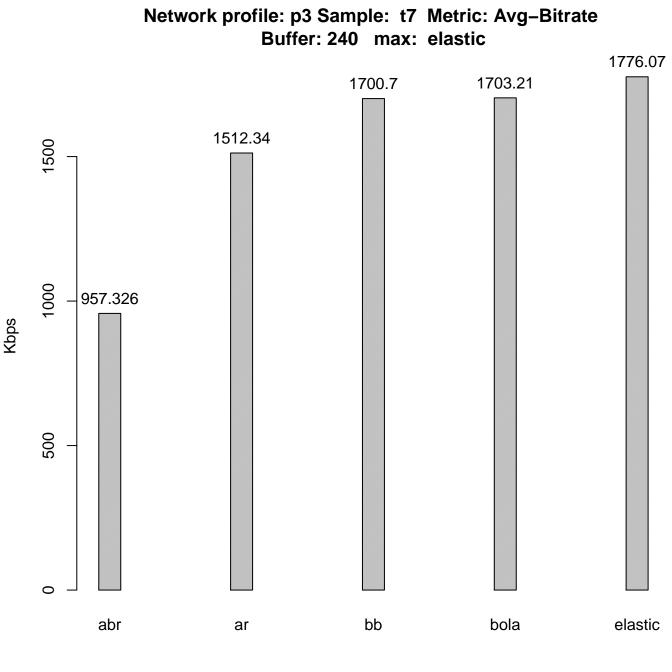
Network profile: p3 Sample: t5 Metric: # quality change Buffer: 240 min: bb

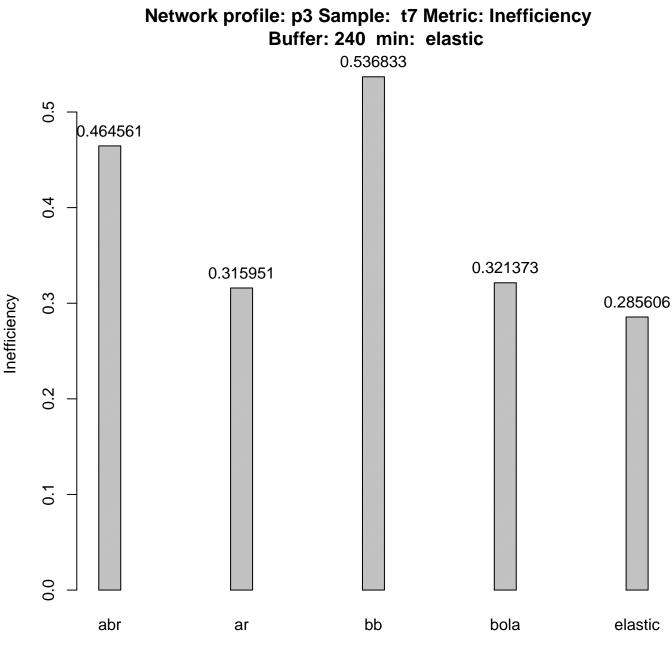




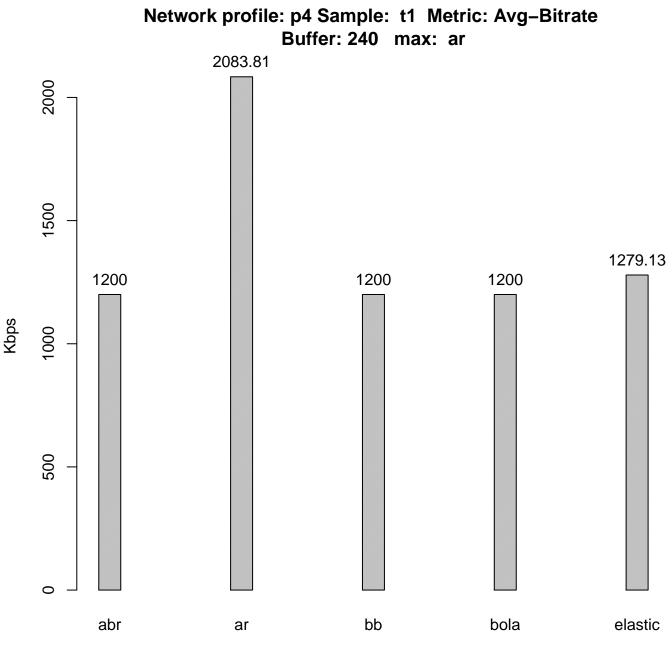


Network profile: p3 Sample: t6 Metric: # quality change Buffer: 240 min: bb 119 80 # Quality changes 63 9 56 40 36 20 16 bola abr bb elastic ar

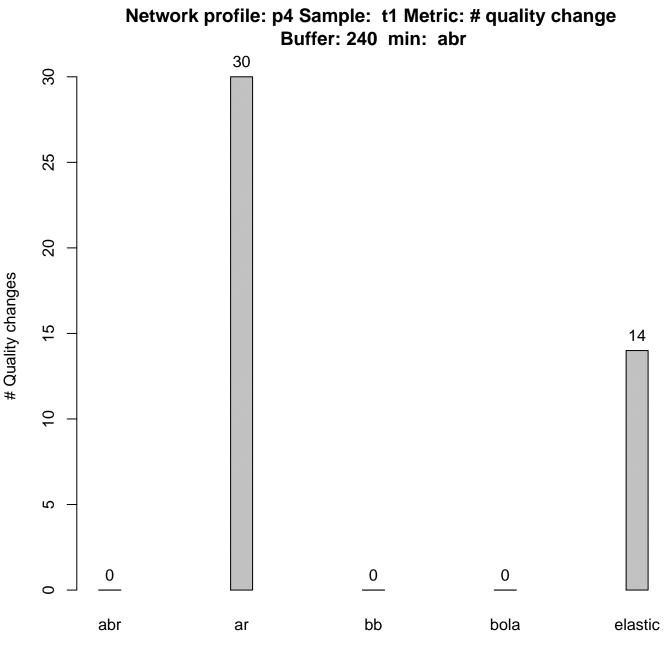


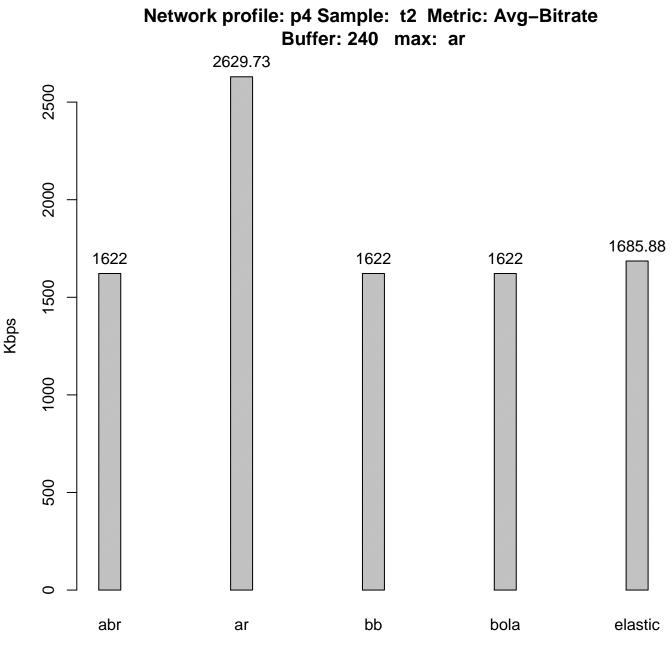


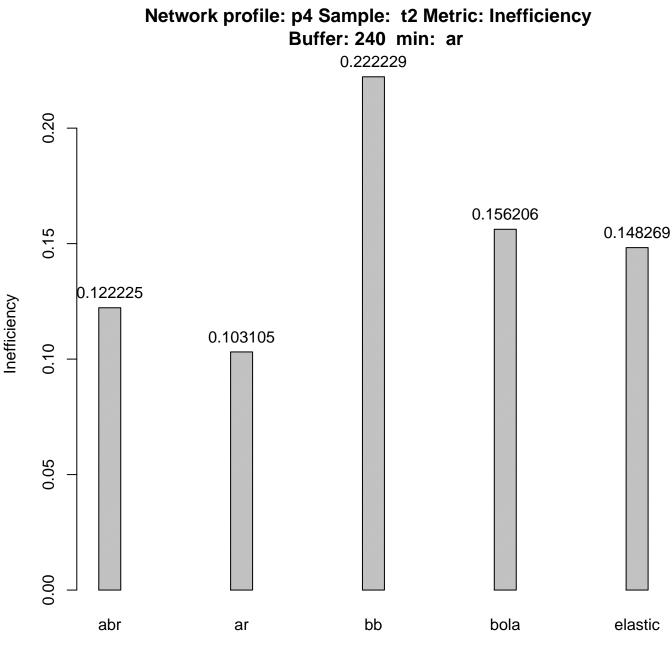
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 240 min: bb 111 100 80 # Quality changes 9 48 47 40 20 16 8 bola abr bb elastic ar

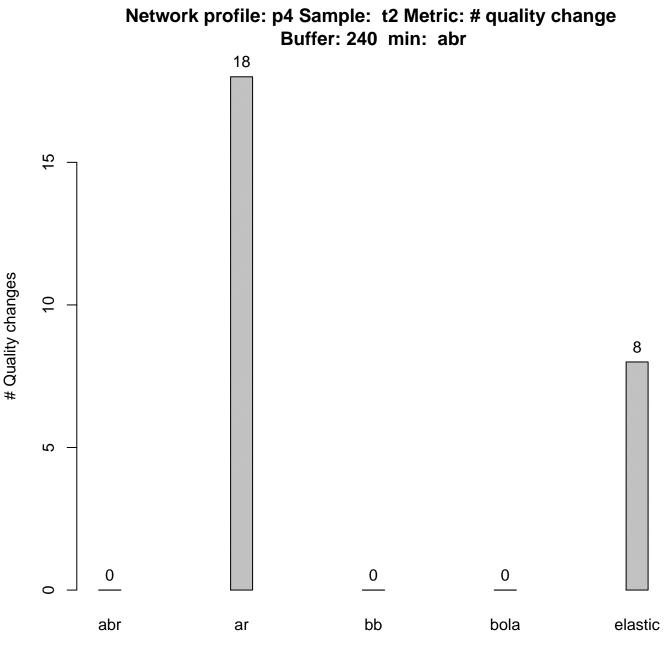


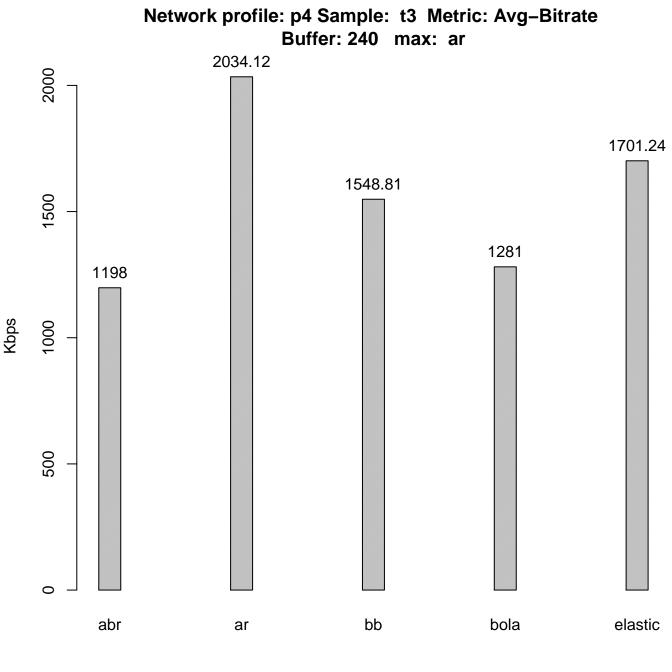
Network profile: p4 Sample: t1 Metric: Inefficiency Buffer: 240 min: elastic 0.15503 0.153942 0.152922 0.150657 0.15 0.125962 Inefficiency bola elastic abr bb ar

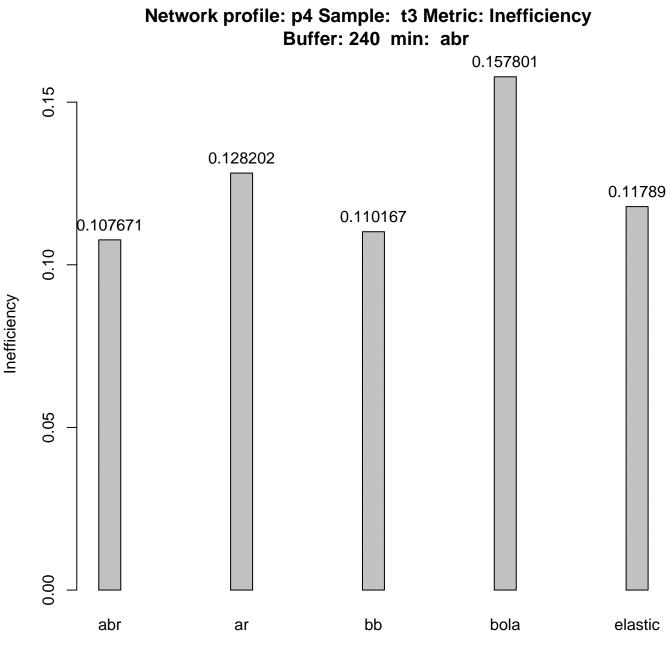






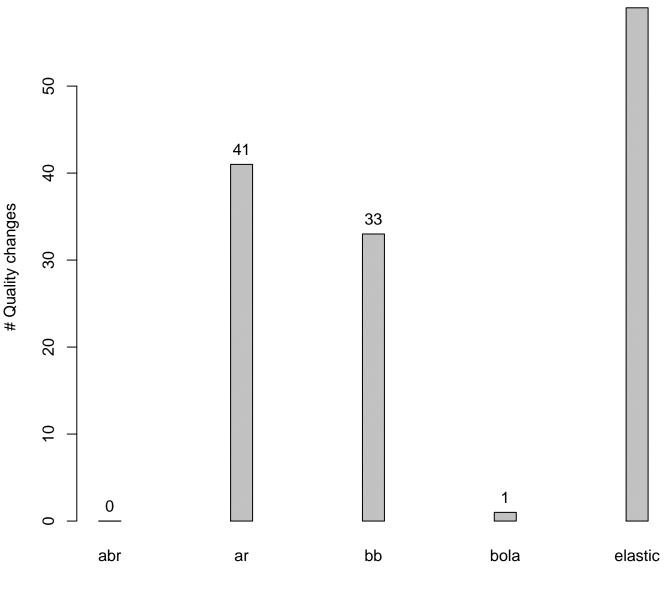


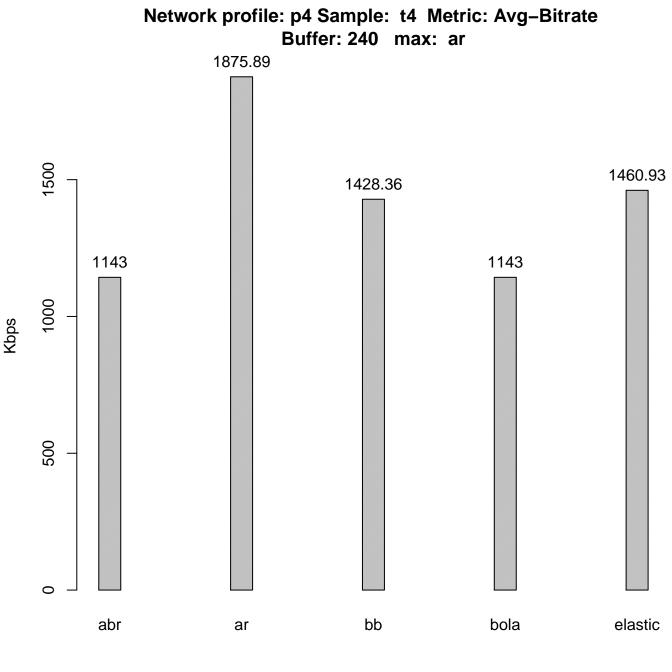




Network profile: p4 Sample: t3 Metric: # quality change Buffer: 240 min: abr

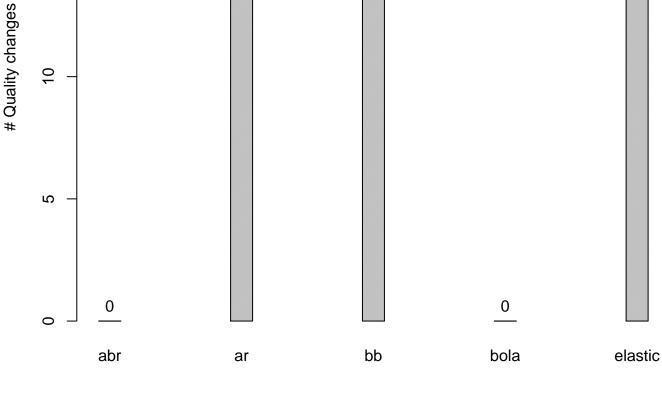
59

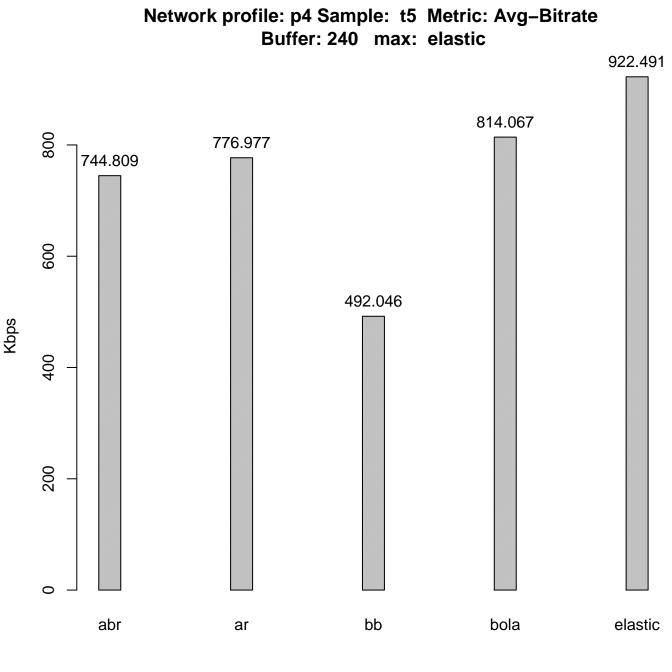


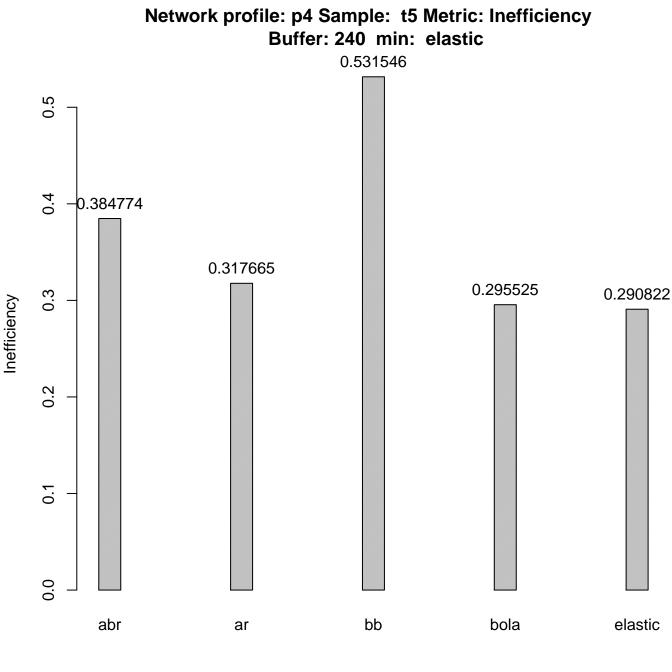


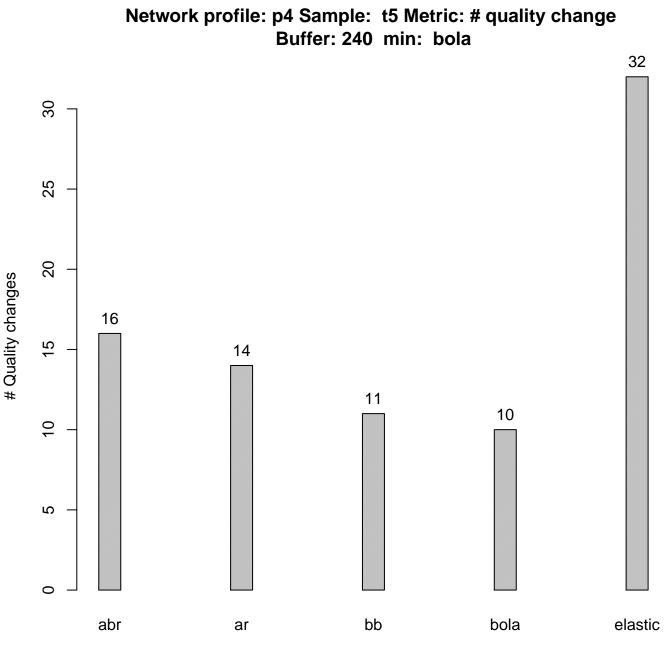
Network profile: p4 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.132667 0.129197 **−**0.115572 0.114813 0.10852 0.10 0.08 Inefficiency 0.04 0.02 bola elastic abr bb ar

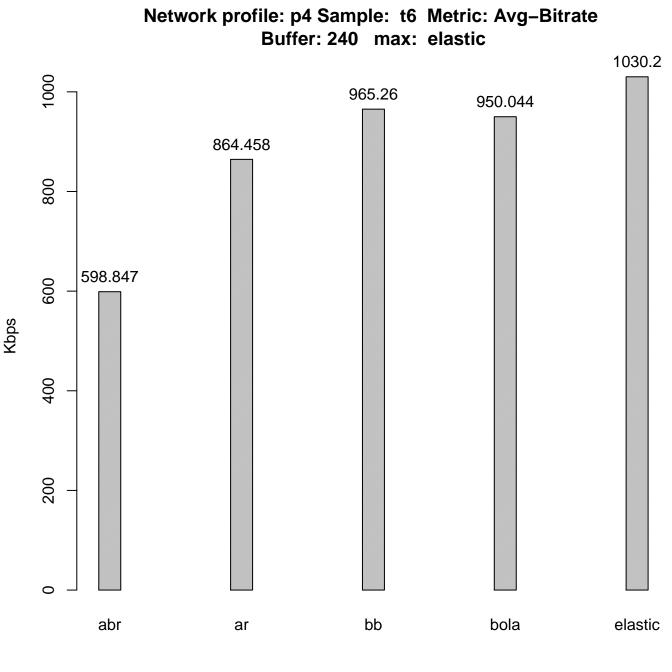
Network profile: p4 Sample: t4 Metric: # quality change Buffer: 240 min: abr

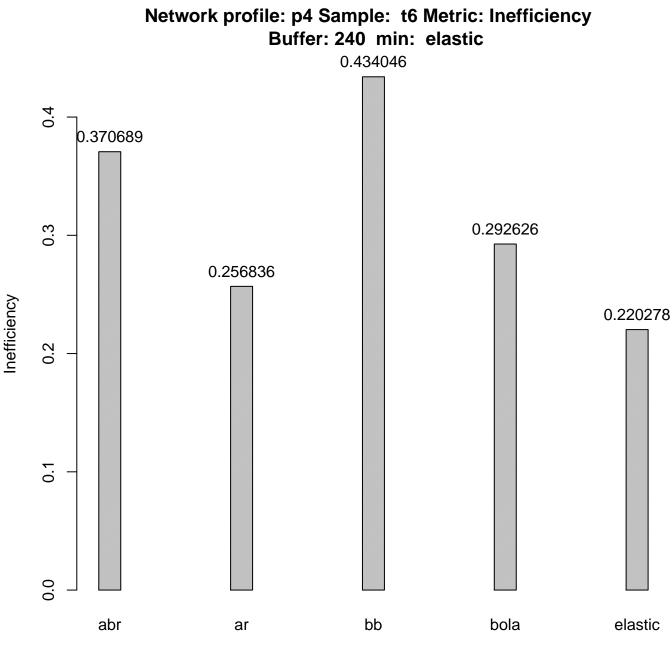




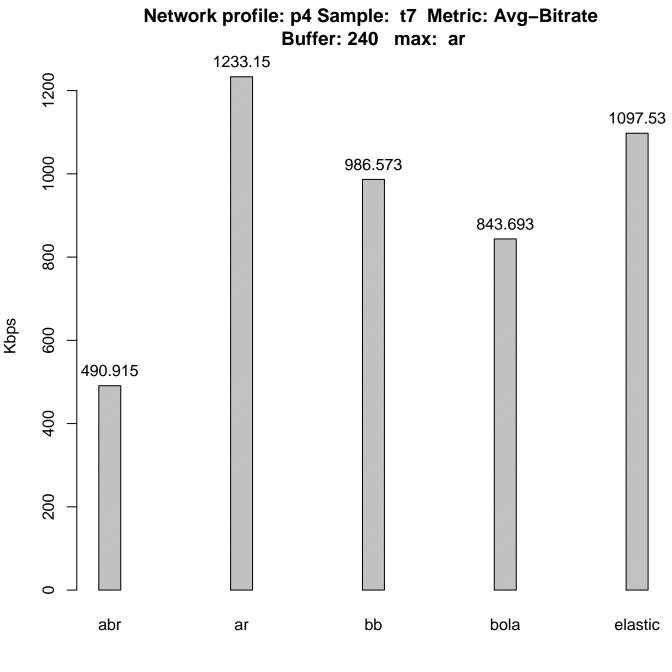


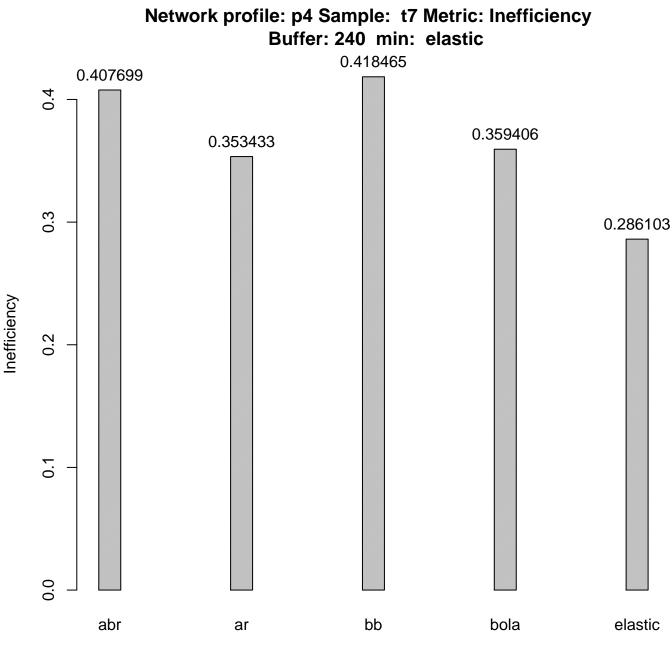






Network profile: p4 Sample: t6 Metric: # quality change Buffer: 240 min: bb 124 120 100 80 # Quality changes 64 9 55 42 4 20 13 bola abr bb elastic ar





Network profile: p4 Sample: t7 Metric: # quality change Buffer: 240 min: bb 90 80 9 53 # Quality changes 4 24 20 10 bola elastic abr bb ar