

Network profile: p1 Sample: t1 Metric: # quality change Buffer: 240 min: bb 45 4 32 30 20 10 8 6

bola

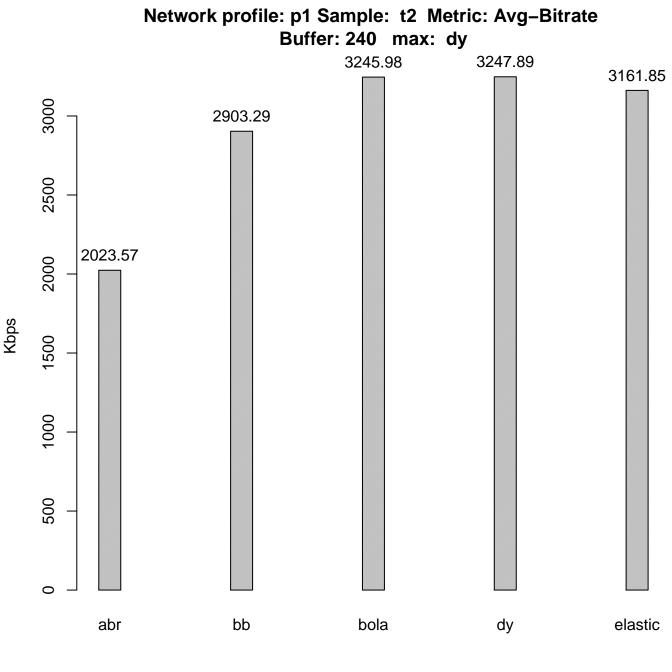
dy

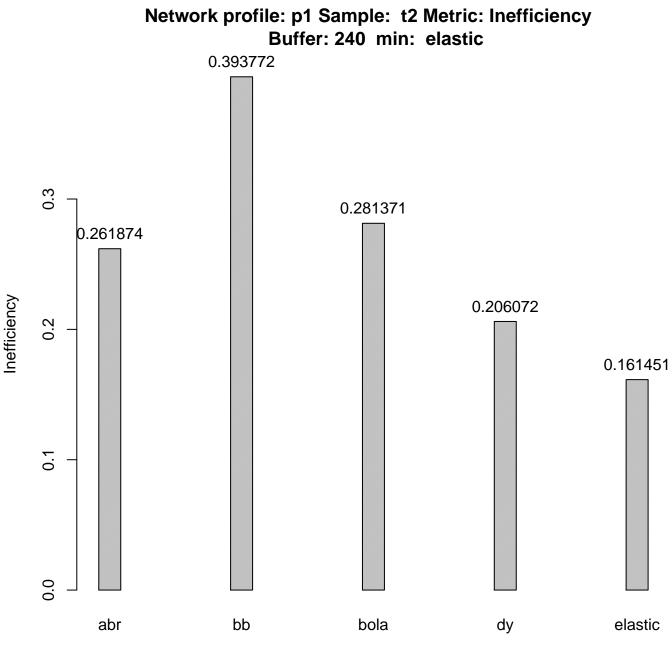
elastic

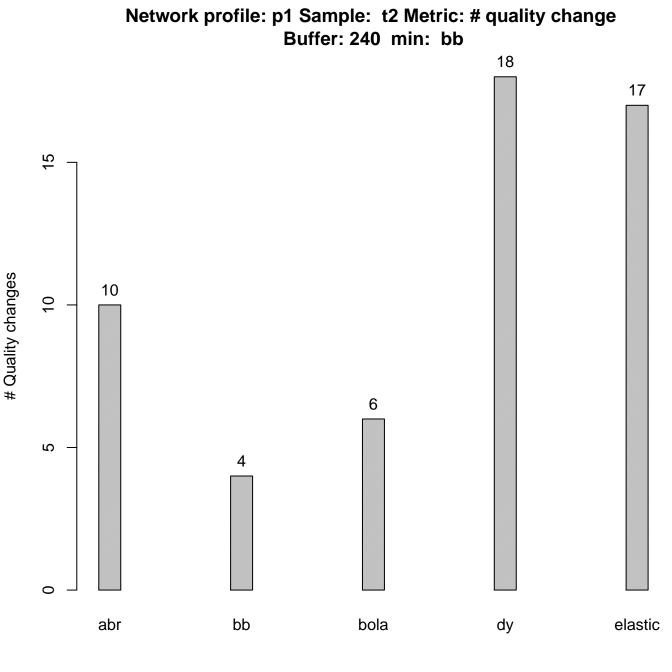
Quality changes

abr

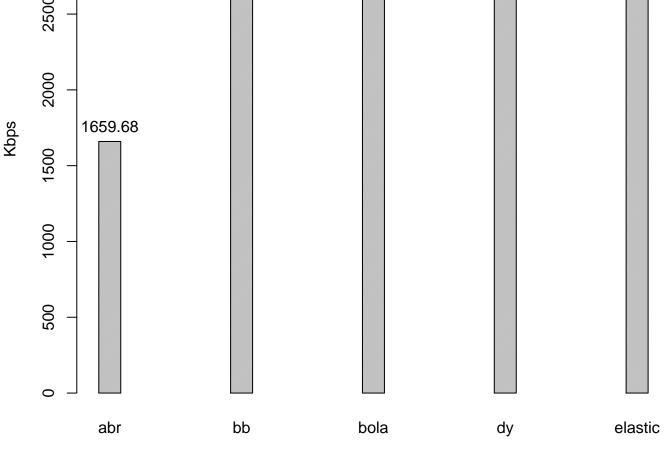
bb

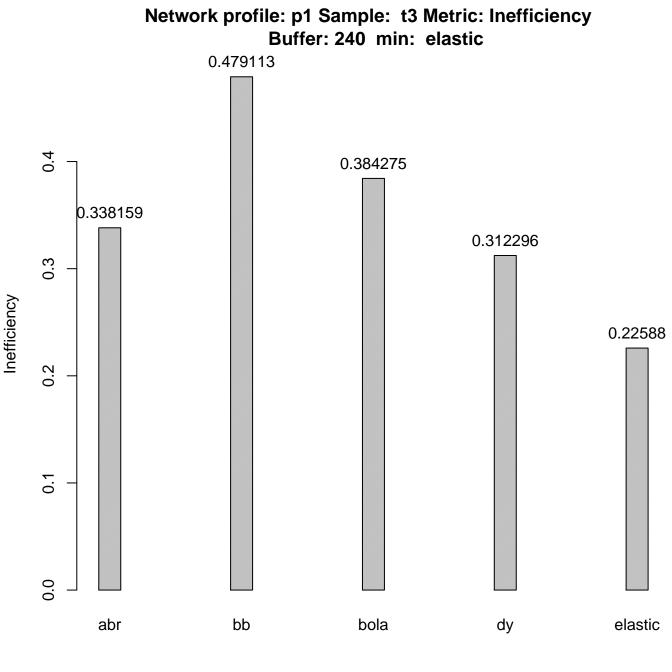


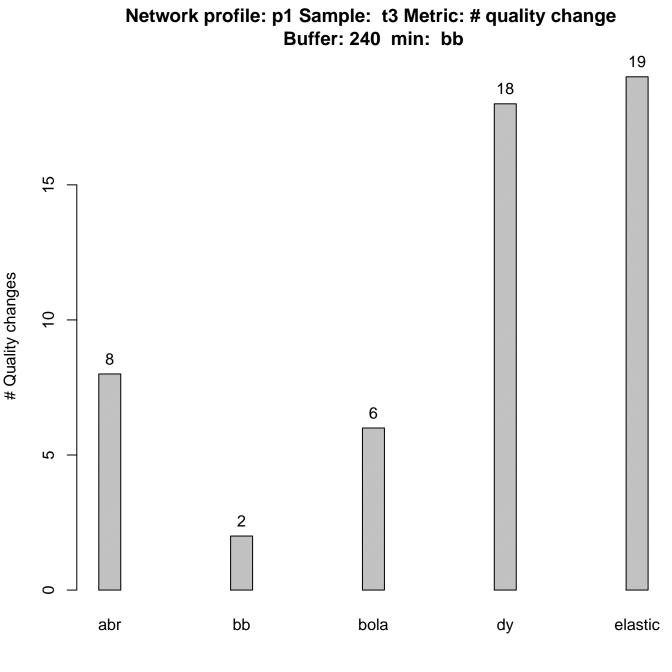


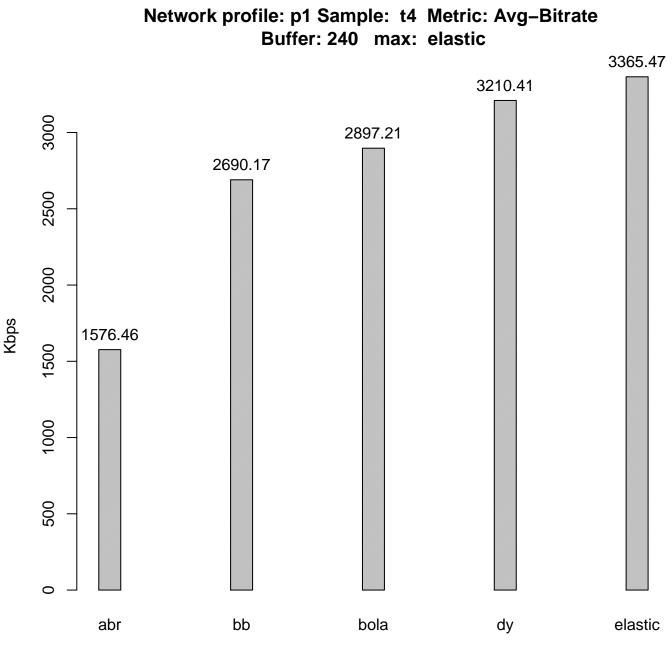


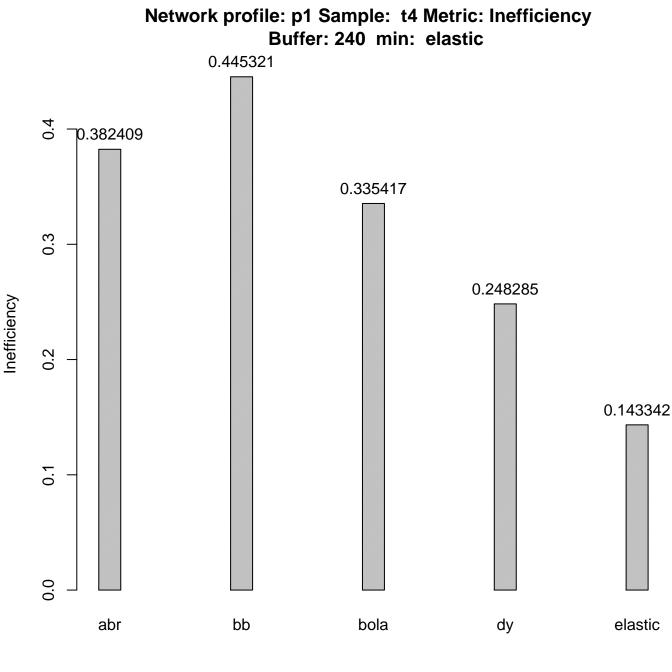
Network profile: p1 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: bb 3385.77 3288.13 3157.22 3078.48 3000 2500 2000 1659.68 1500

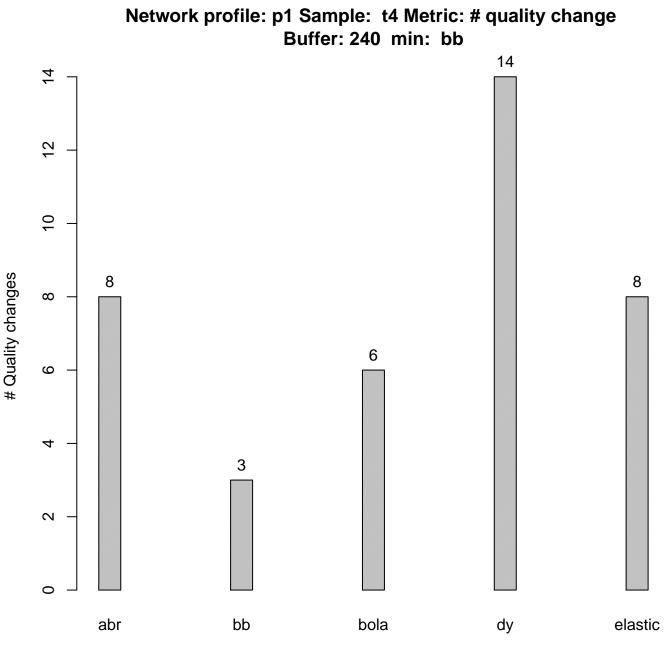


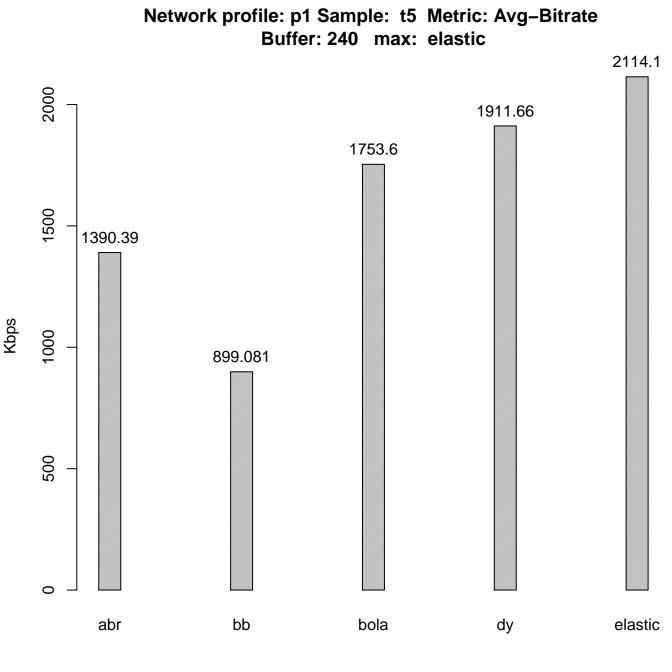


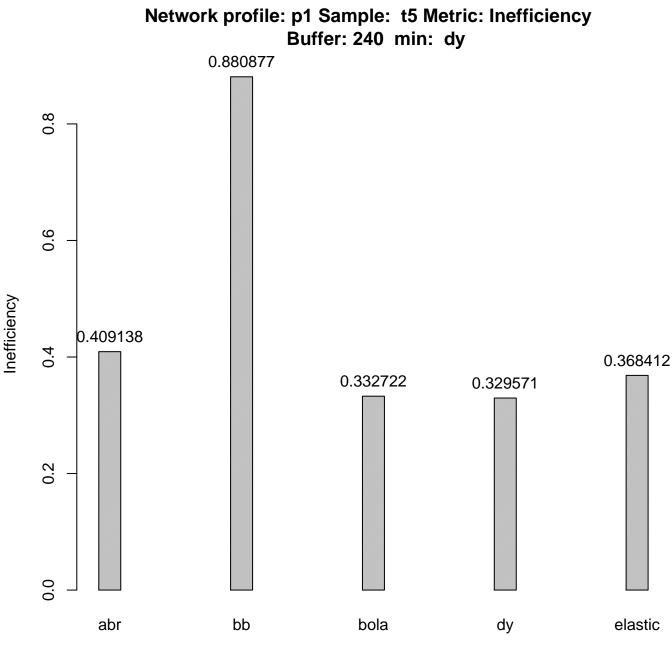


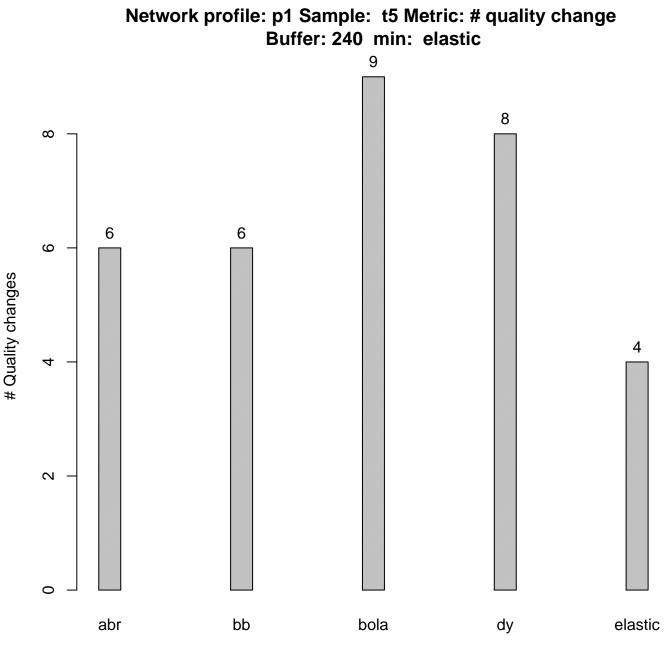


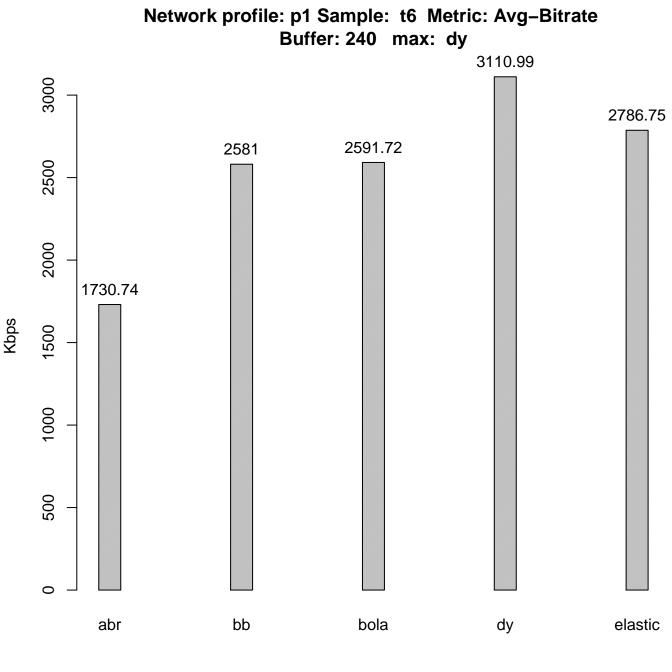


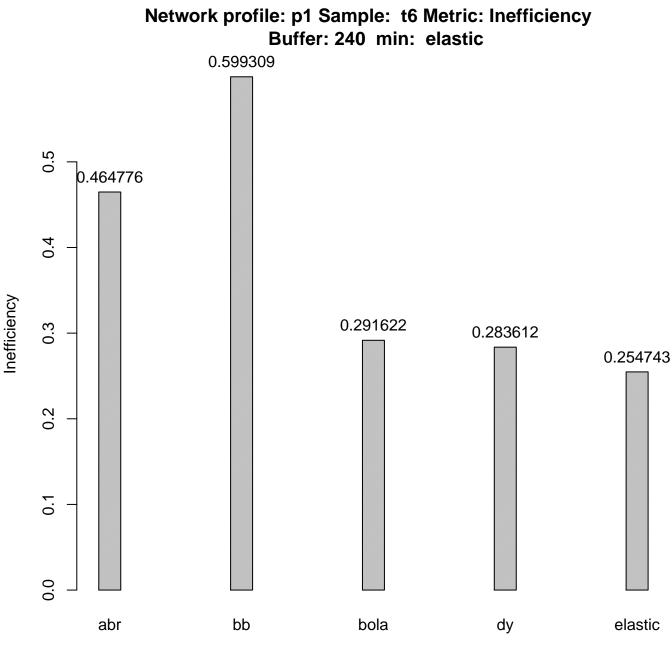


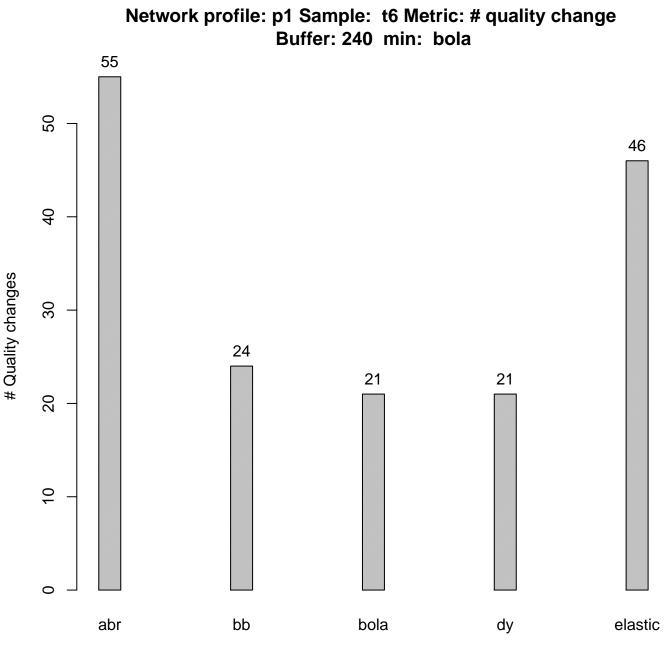


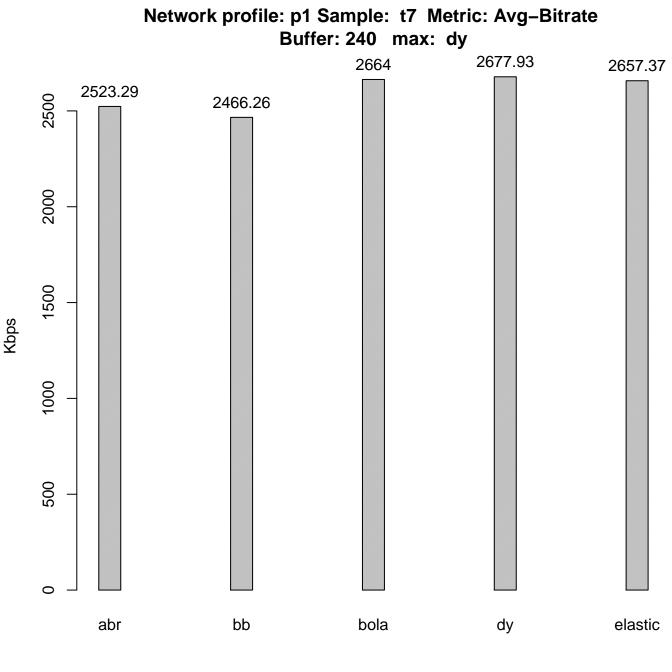


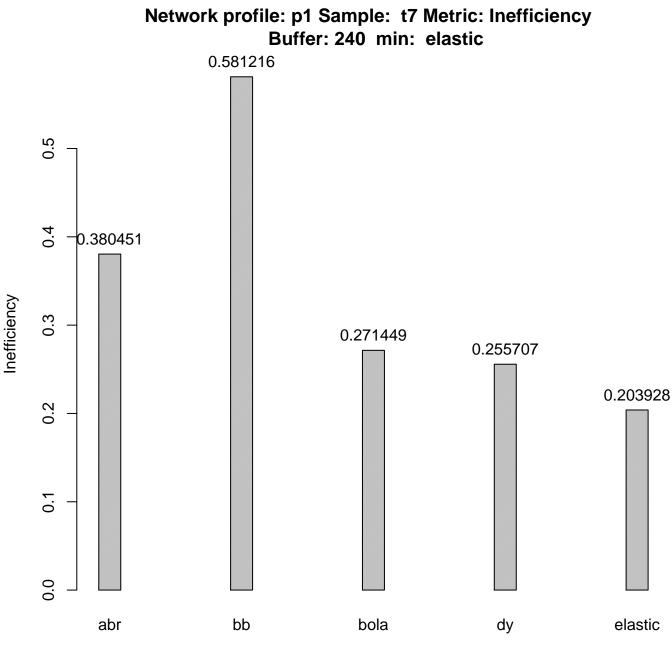












Network profile: p1 Sample: t7 Metric: # quality change Buffer: 240 min: bb 47 4 30 30 # Quality changes 20 18 16 10 7

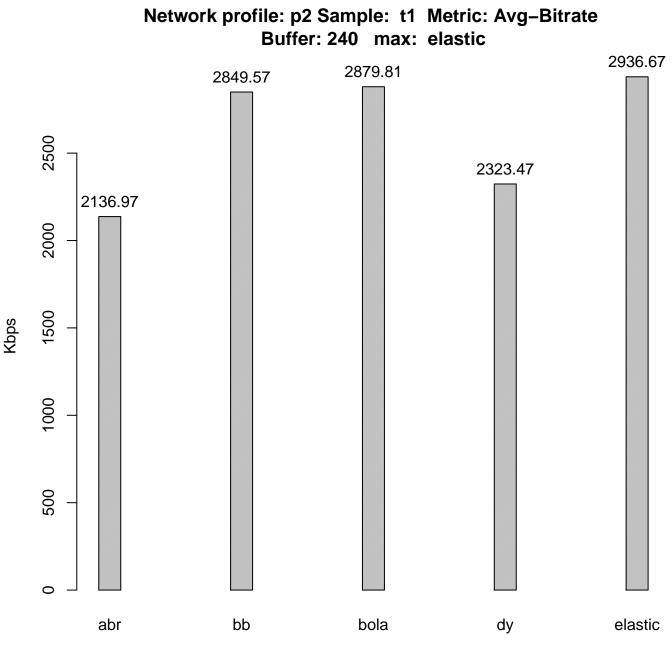
bola

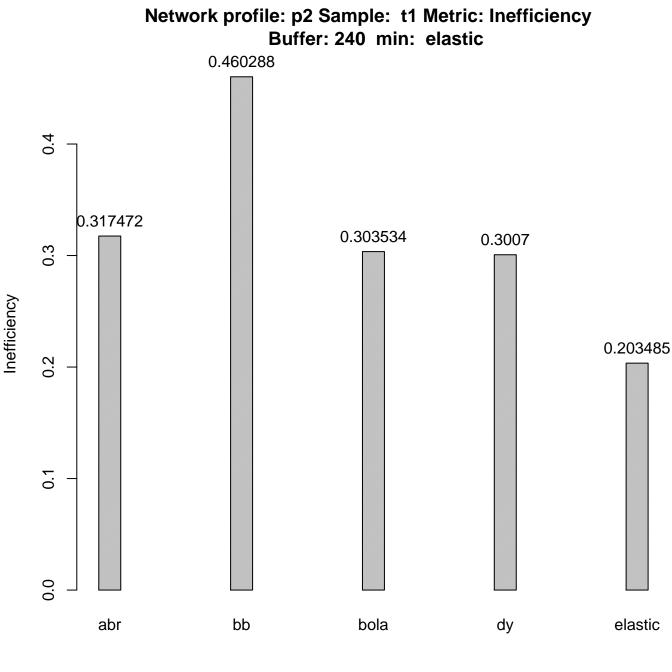
dy

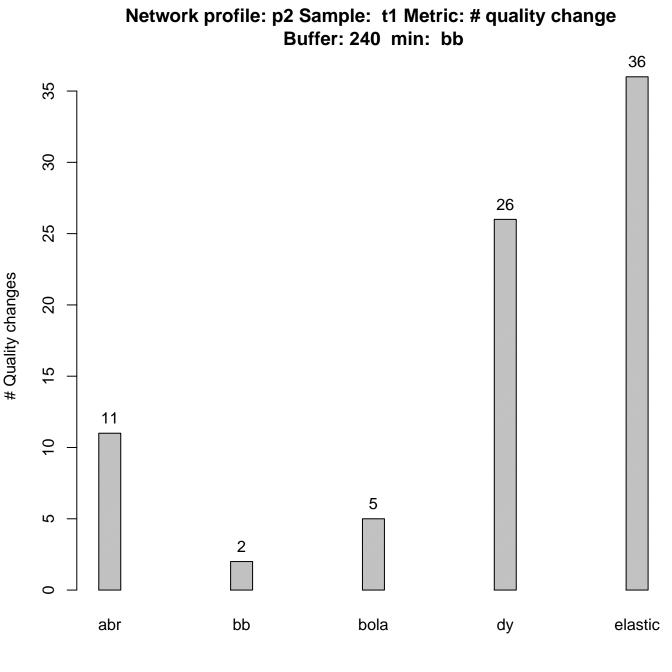
elastic

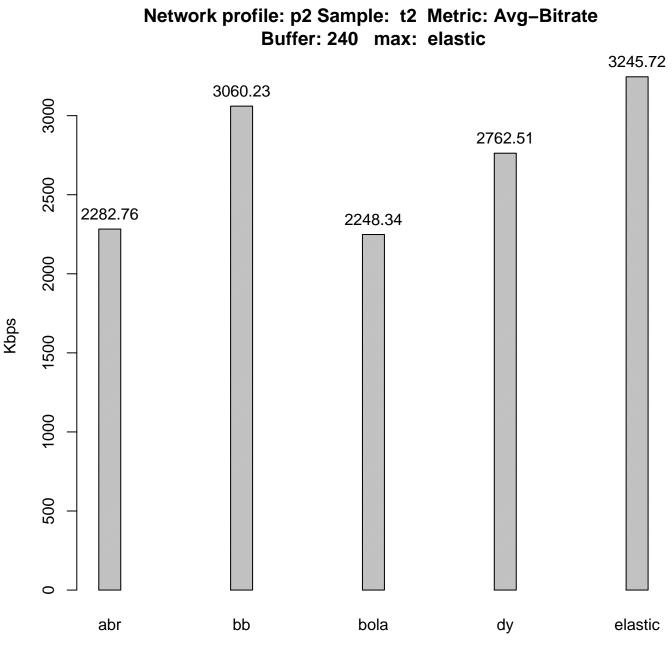
abr

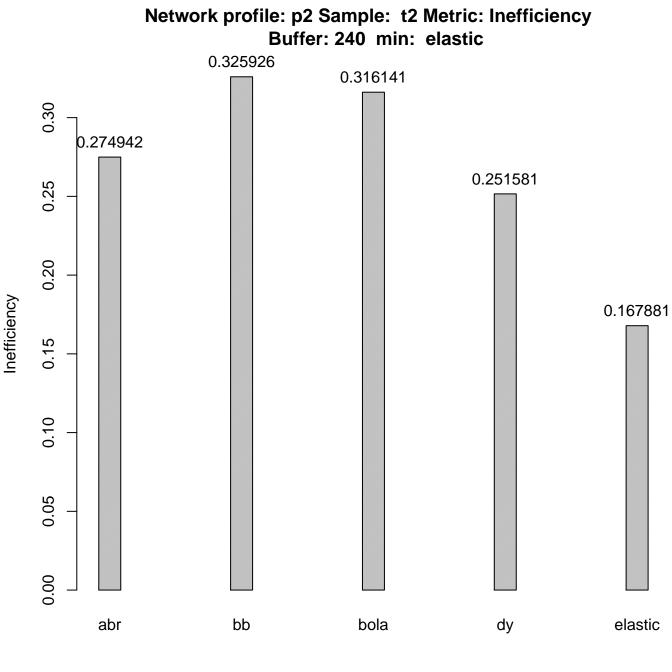
bb

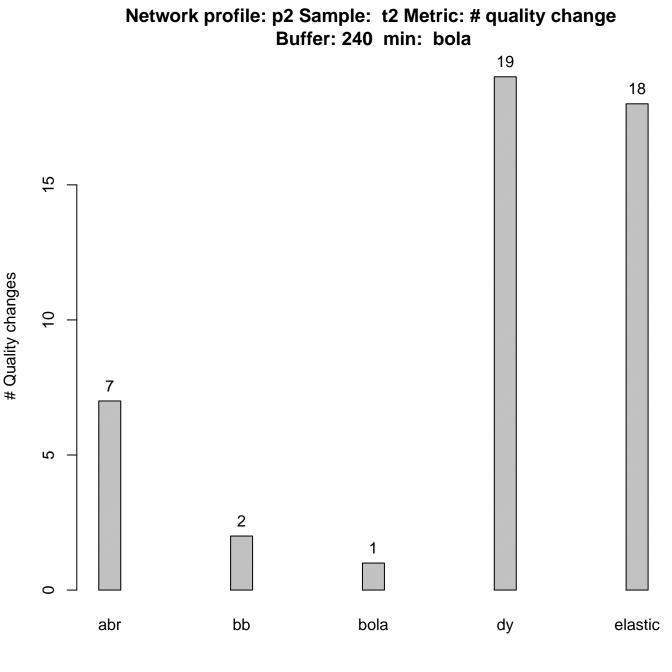












Network profile: p2 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: bb 3365.54 3292.14 3000 2729.54 2500 2000 1962.55 Kbps 1500 1198 1000 500

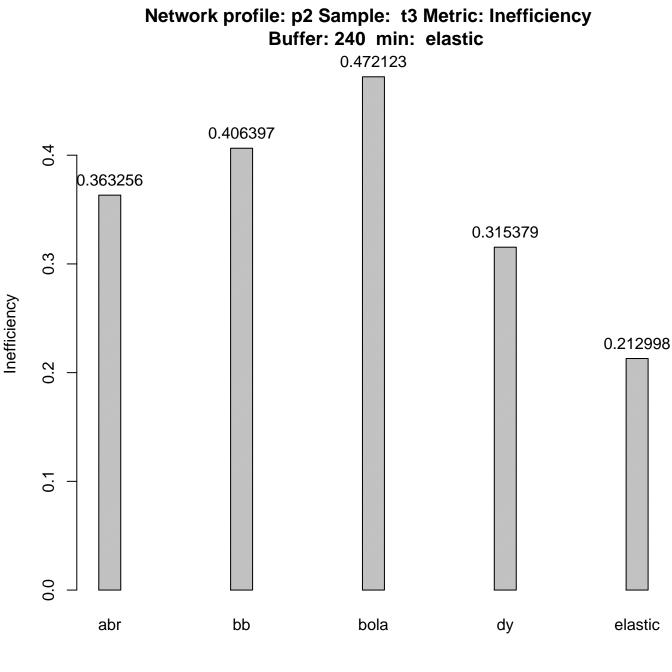
bola

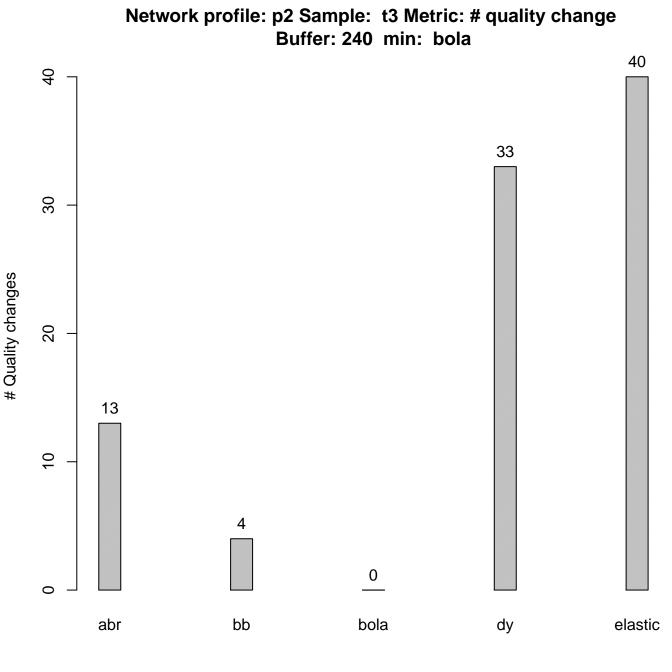
elastic

dy

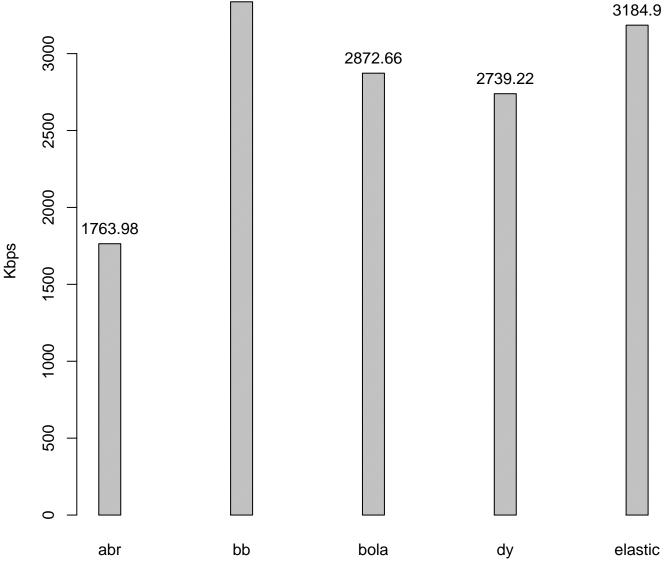
abr

bb

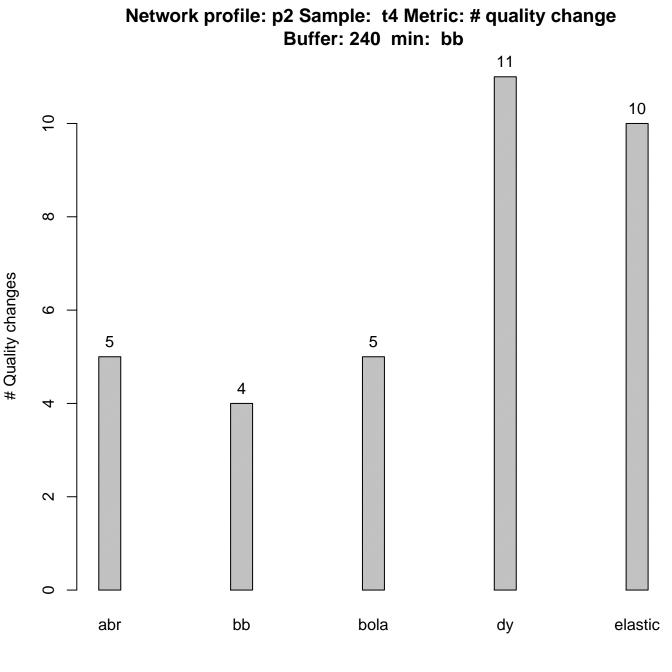


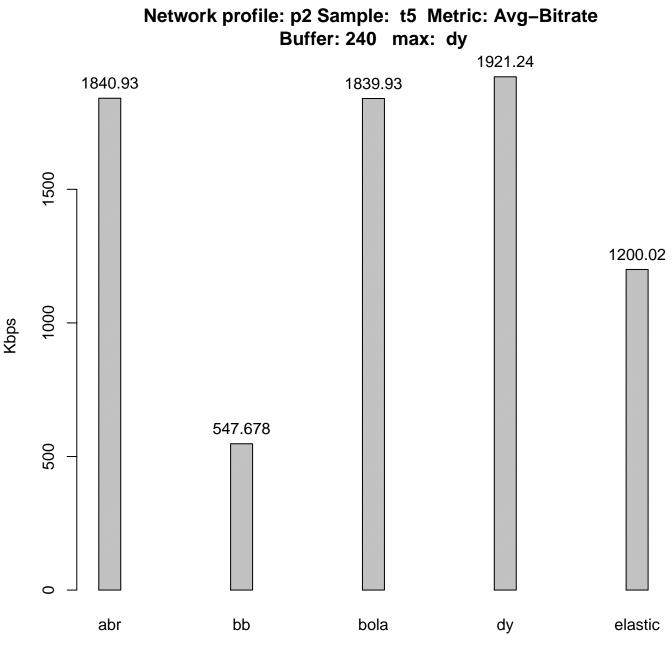


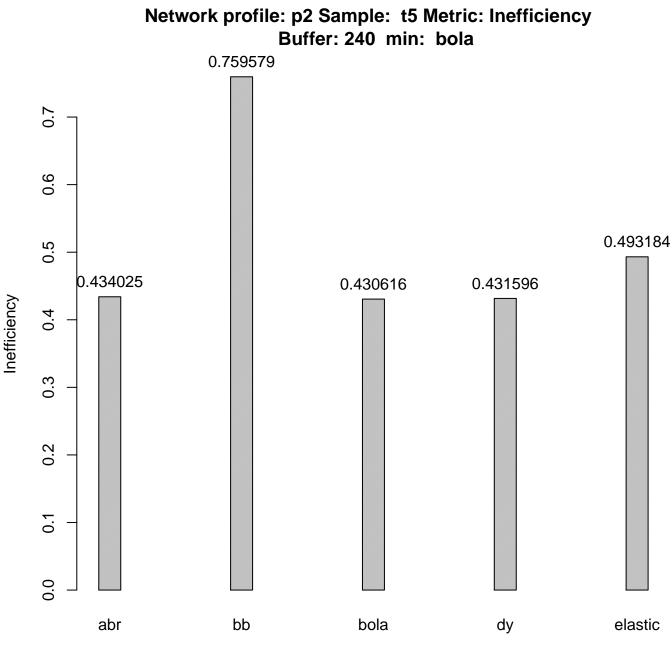
Network profile: p2 Sample: t4 Metric: Avg-Bitrate
Buffer: 240 max: bb
3336.85



Network profile: p2 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.44983 0.390573 0.294352 Inefficiency 0.238396 0.127468 bb bola elastic abr dy







Network profile: p2 Sample: t5 Metric: # quality change Buffer: 240 min: abr 8 5 4 4 4

bola

dy

elastic

 ∞

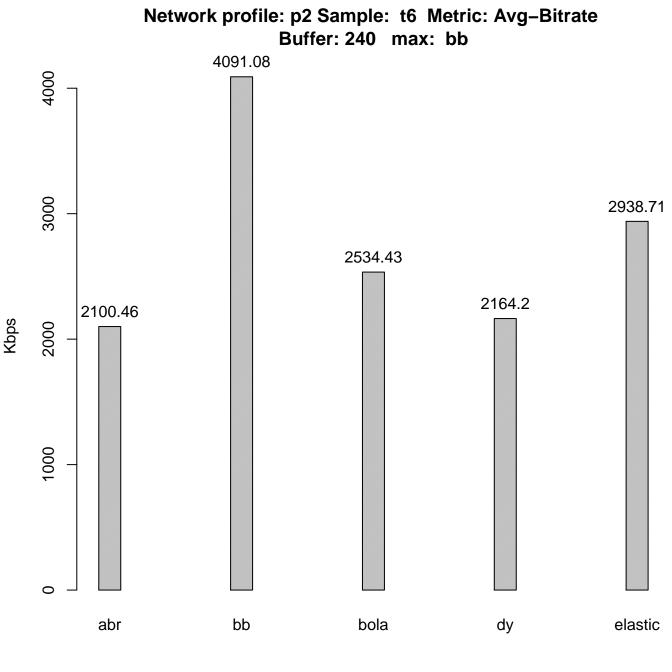
9

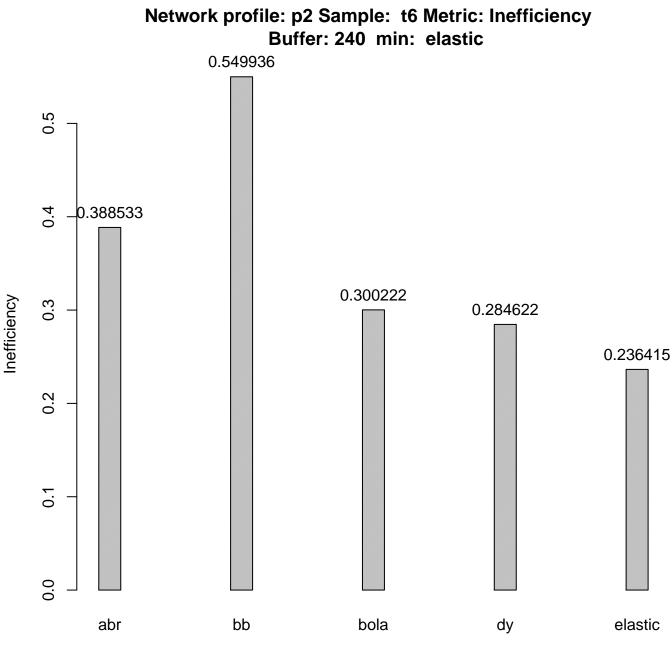
 $^{\circ}$

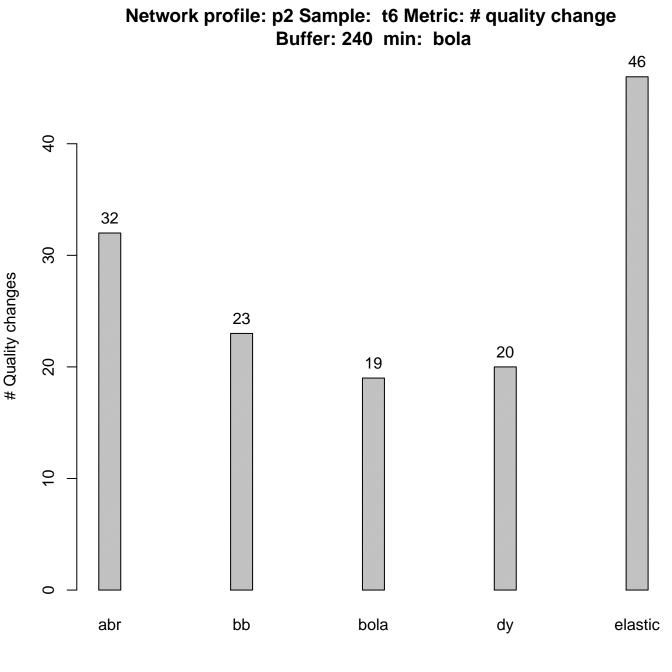
abr

bb

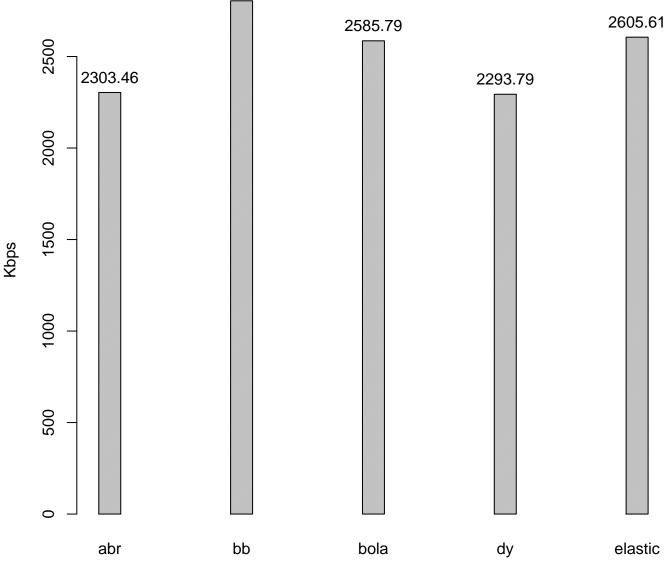
Quality changes

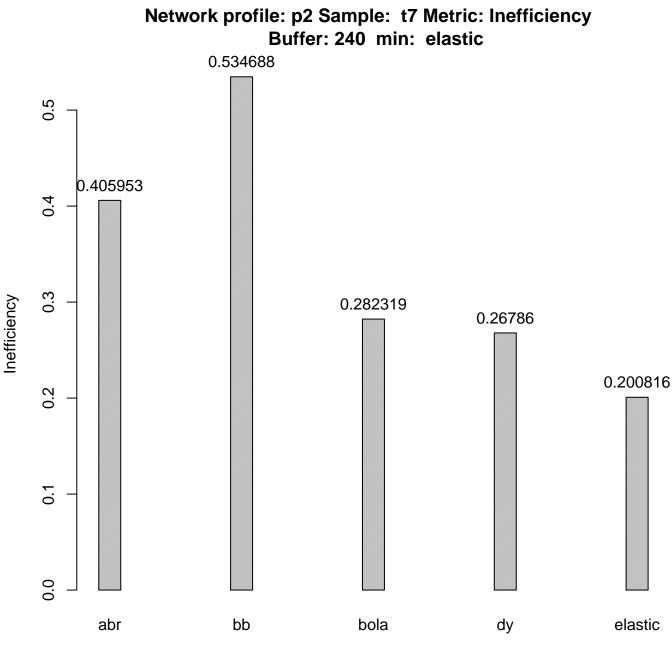




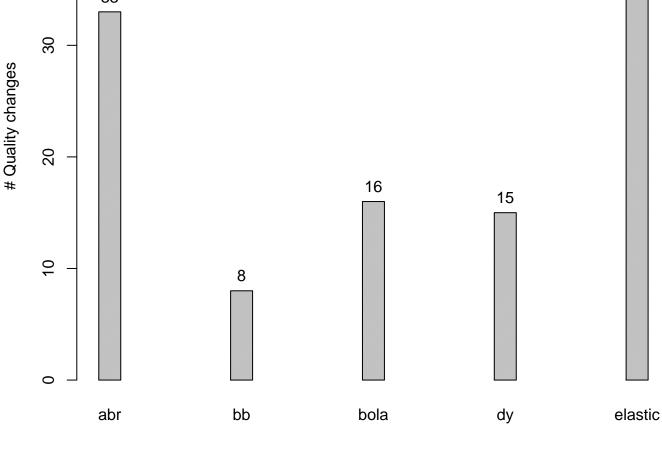


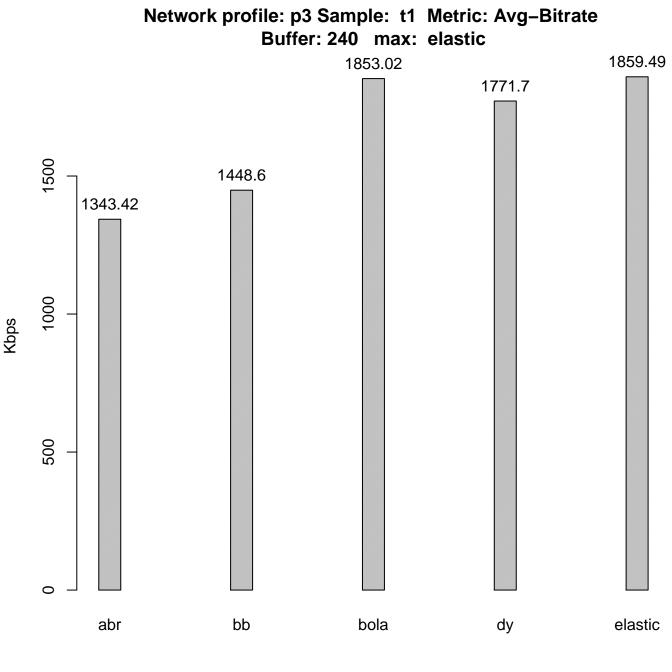
Network profile: p2 Sample: t7 Metric: Avg-Bitrate
Buffer: 240 max: bb
2804.4





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





Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 240 min: elastic 0.358693 0.35 0.335061 0.323575 0.30 0.25817 0.25 0.199037 0.20 Inefficiency 0.15 0.10 0.05 bb bola elastic abr dy

Network profile: p3 Sample: t1 Metric: # quality change Buffer: 240 min: bb 49 40 30 # Quality changes 20 13 12 10 10

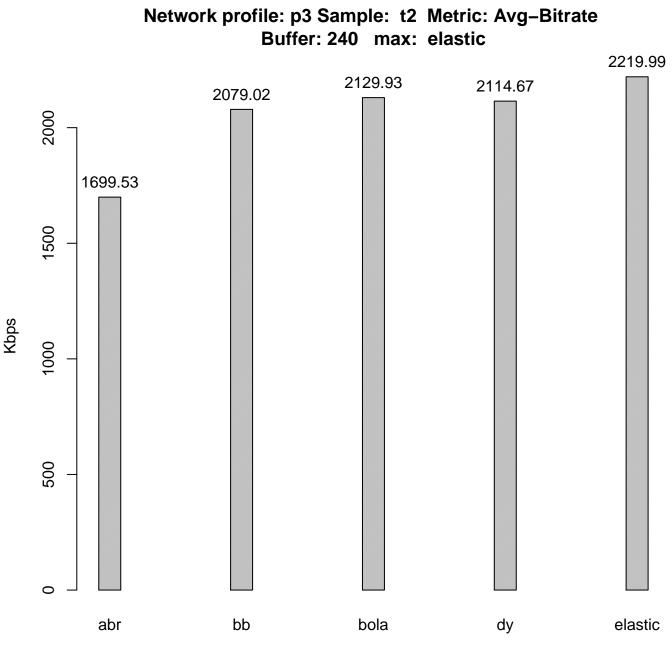
bola

dy

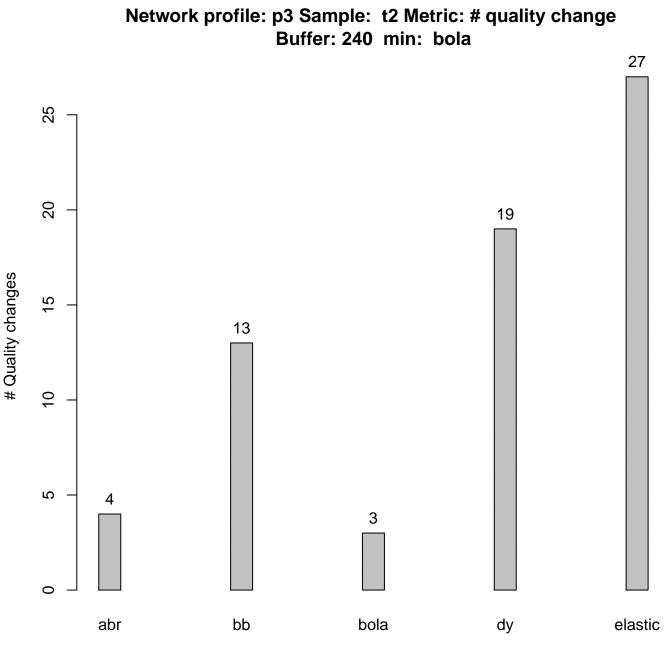
elastic

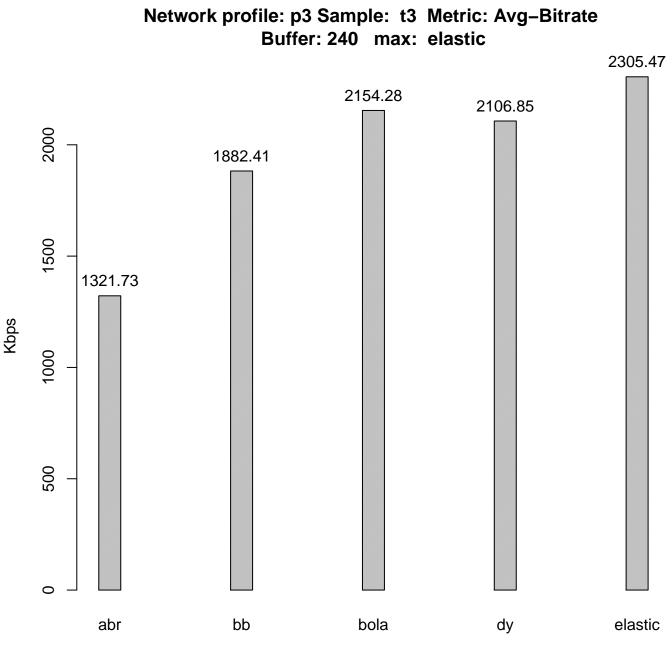
abr

bb

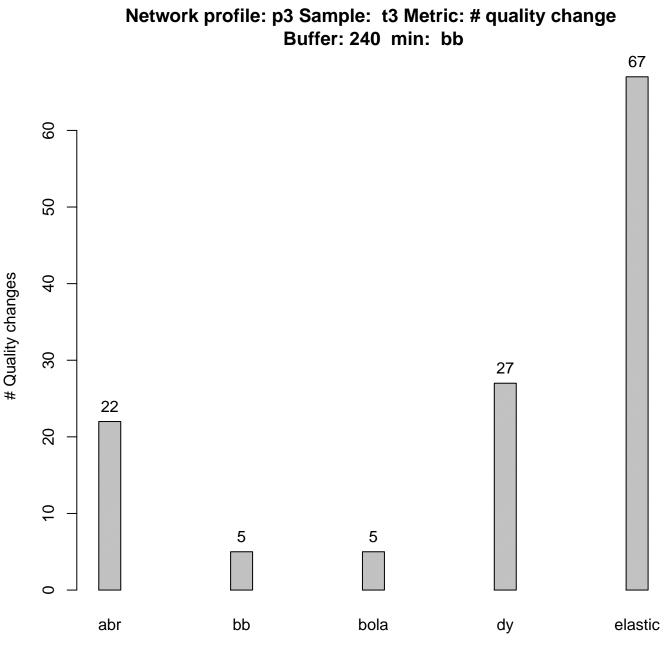


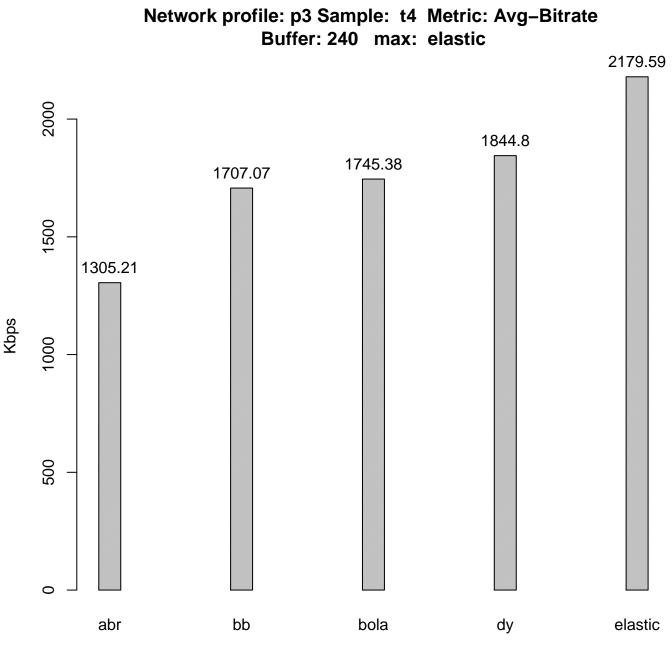
Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 240 min: elastic 0.235659 0.231795 0.220358 0.206399 0.20 0.157194 0.15 Inefficiency 0.05 bb bola elastic abr dy



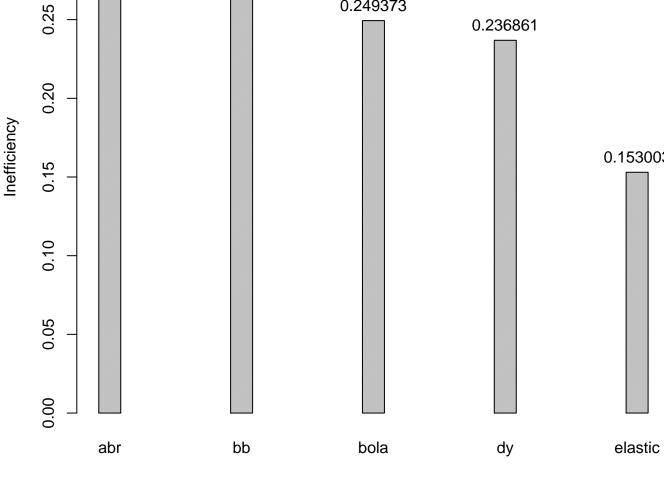


Network profile: p3 Sample: t3 Metric: Inefficiency Buffer: 240 min: elastic 0.307053 0.299722 0.25 0.219575 0.198823 0.20 Inefficiency 0.143536 0.10 0.05 bb bola elastic abr dy

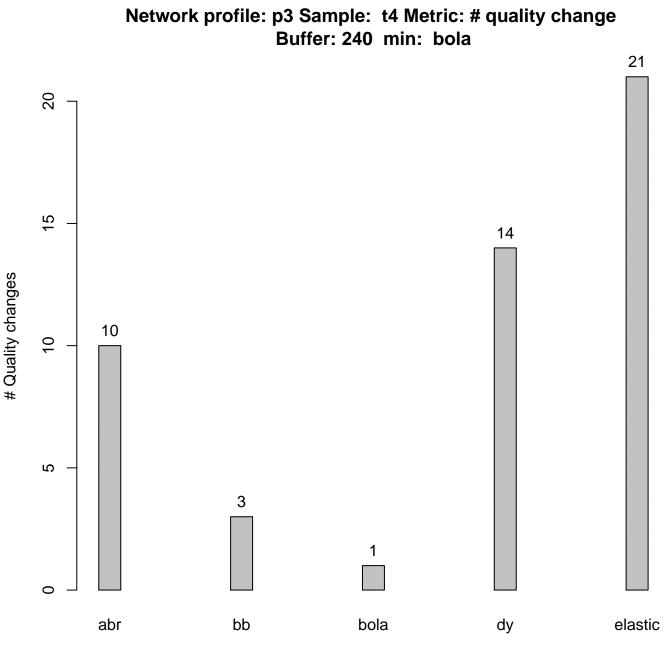


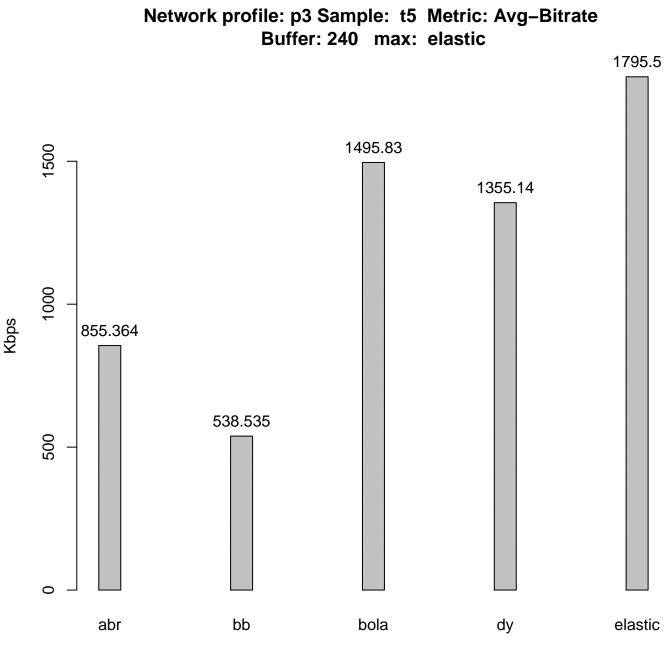


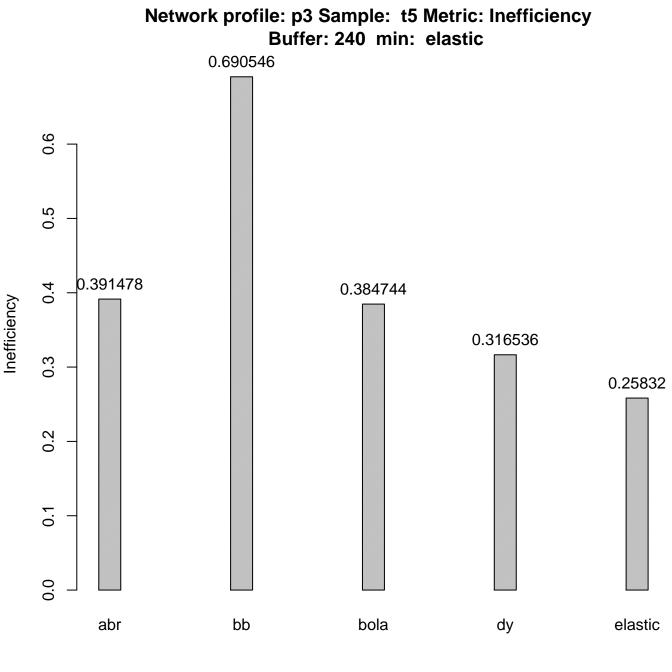
Network profile: p3 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.32614 0.300885 0.249373 0.236861 0.153003



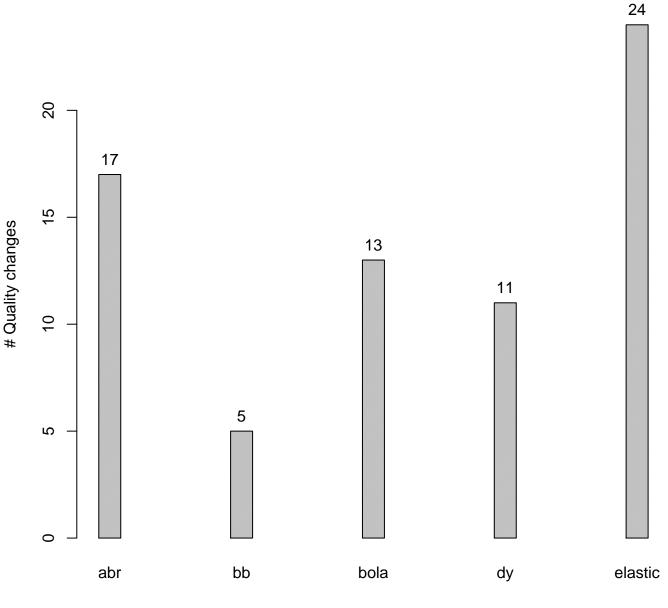
0.30

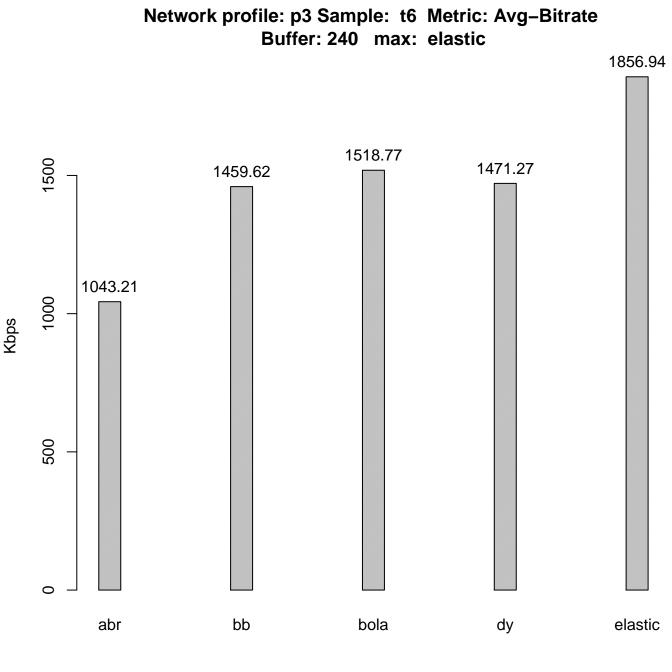


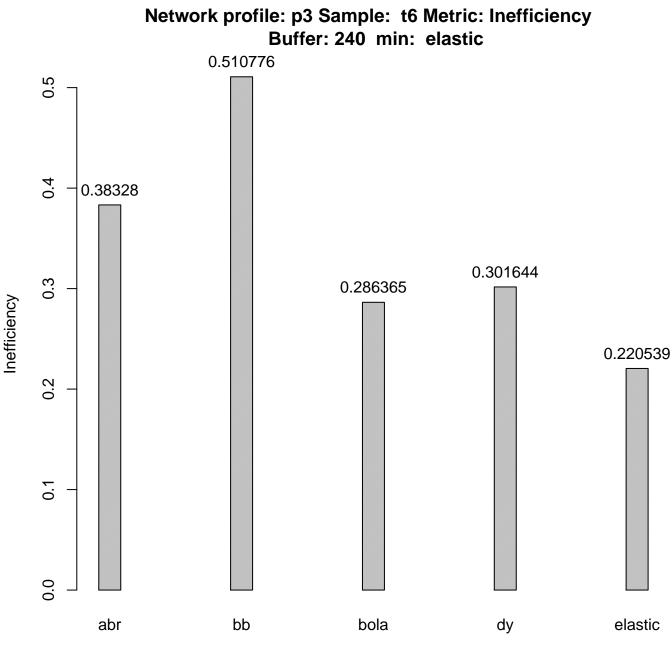




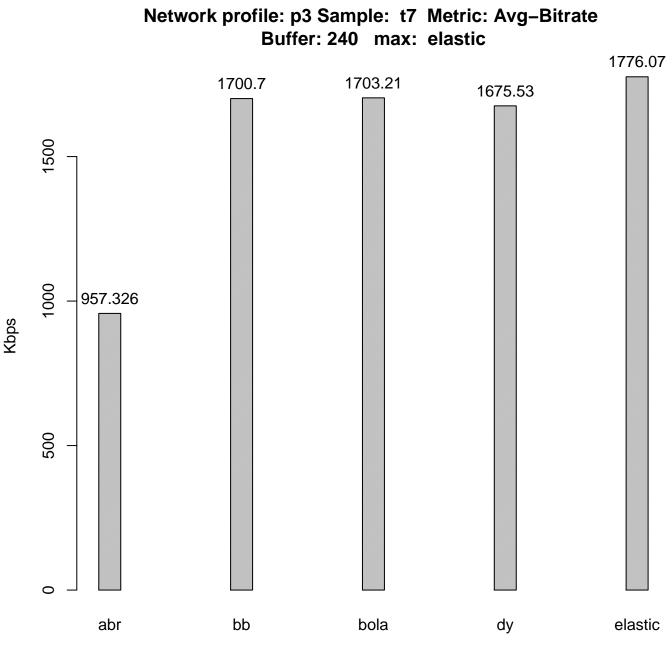
Network profile: p3 Sample: t5 Metric: # quality change Buffer: 240 min: bb

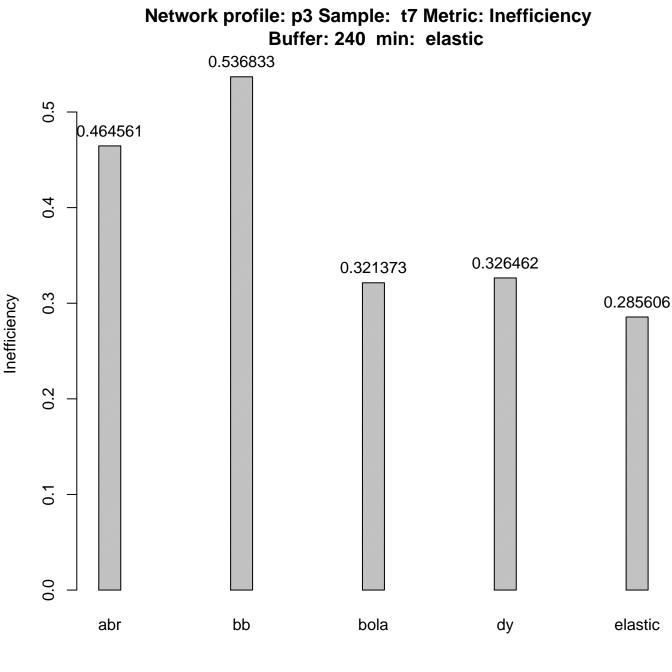




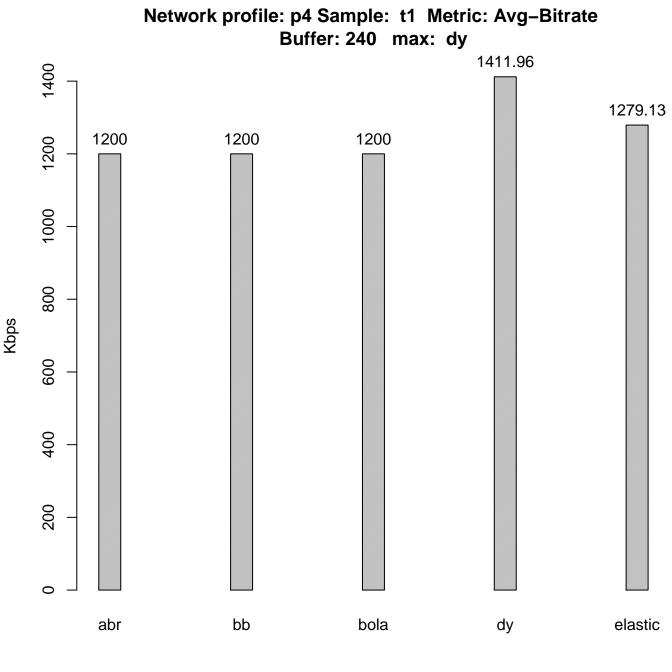


Network profile: p3 Sample: t6 Metric: # quality change Buffer: 240 min: bb 119 100 80 # Quality changes 63 9 40 36 26 20 16 bola abr bb elastic dy



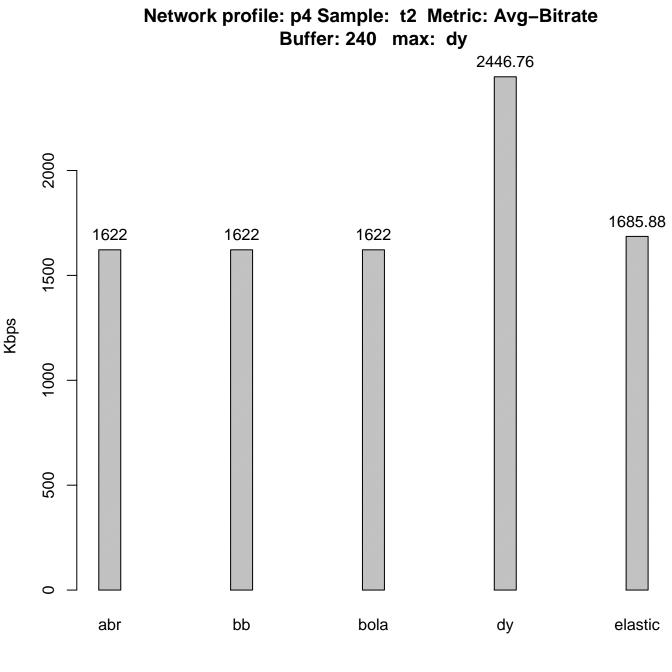


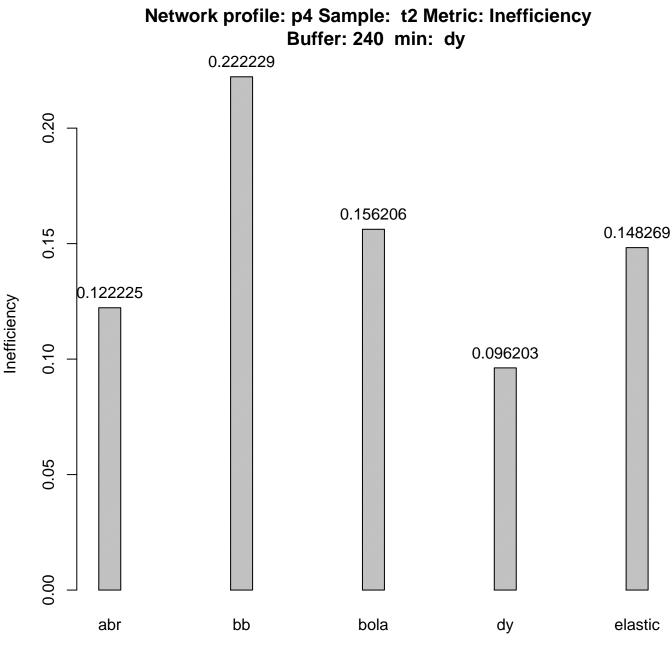
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 240 min: bb 111 100 80 # Quality changes 9 47 40 20 16 15 8 elastic abr bb bola dy

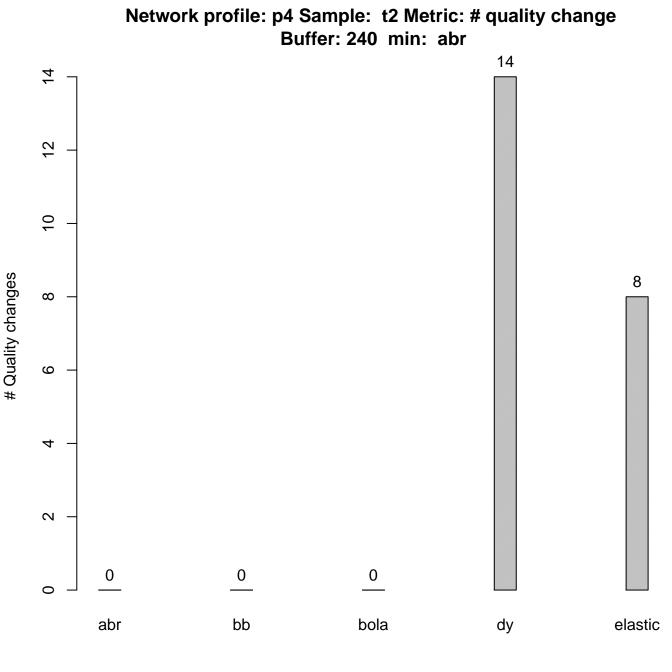


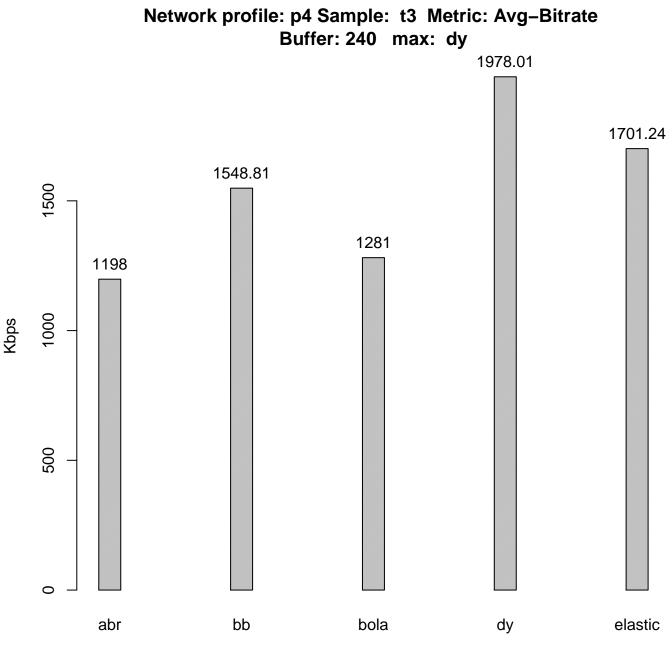
Network profile: p4 Sample: t1 Metric: Inefficiency Buffer: 240 min: elastic 0.1572 0.15503 0.153942 0.150657 0.125962 Inefficiency 0.05 bb bola elastic abr dy

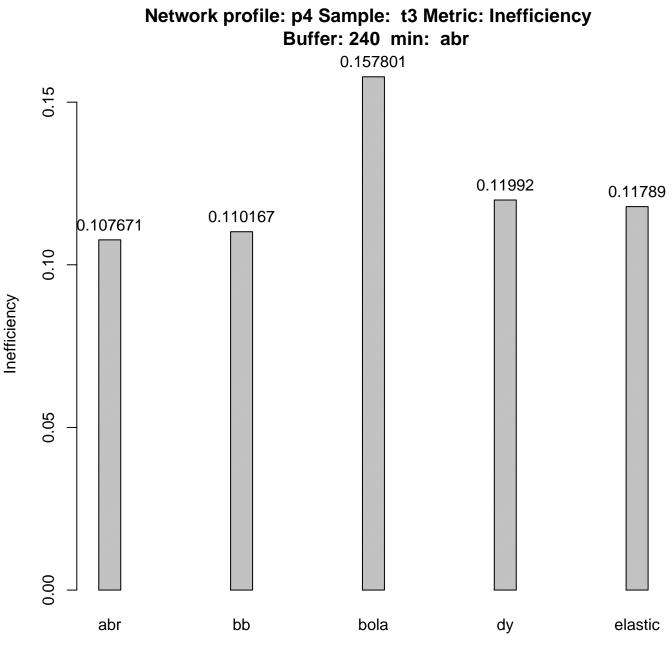
Network profile: p4 Sample: t1 Metric: # quality change Buffer: 240 min: abr 14 12 10 # Quality changes 8 ∞ 9 $^{\circ}$ abr bb bola dy elastic





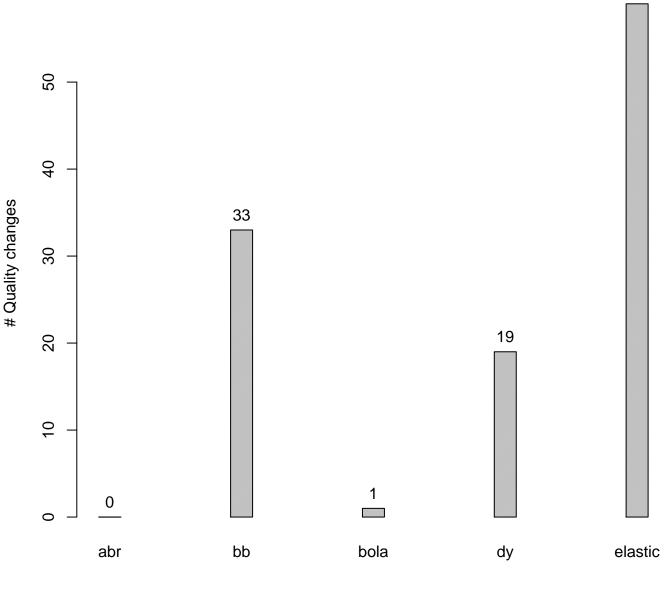


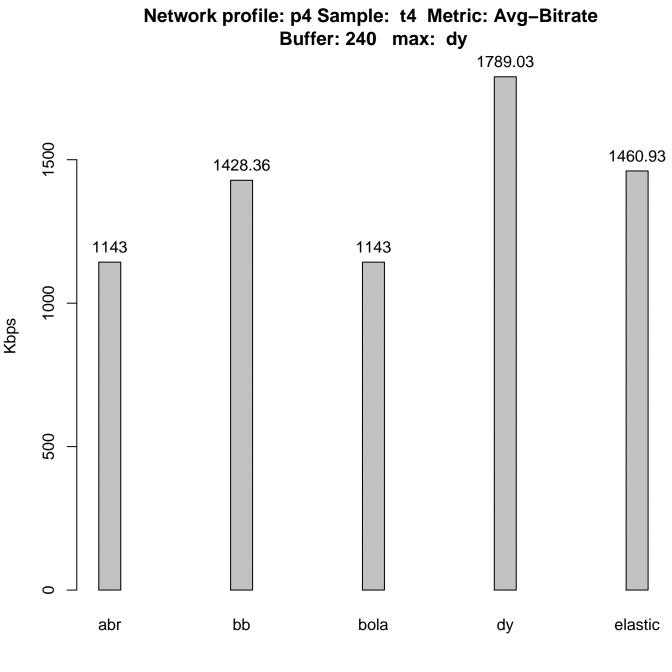


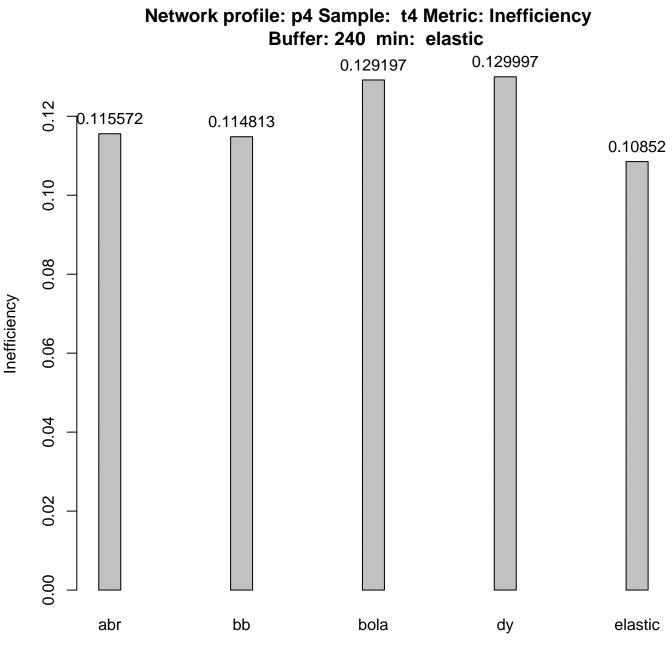


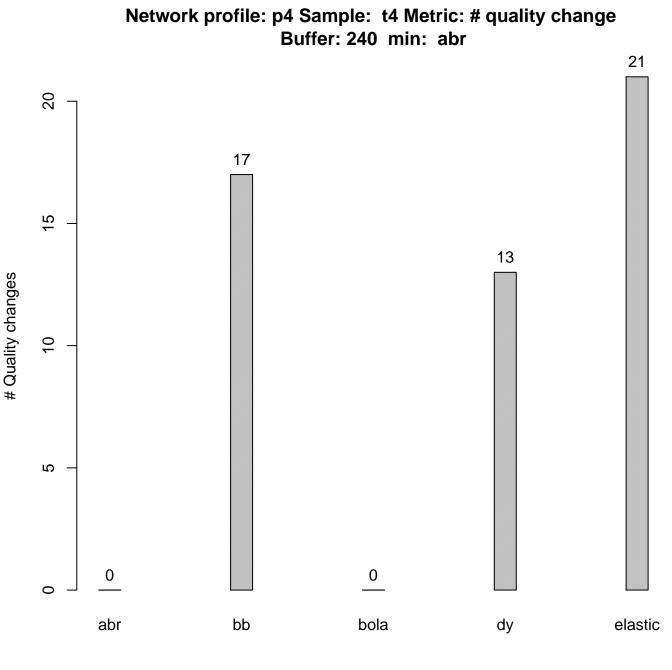
Network profile: p4 Sample: t3 Metric: # quality change Buffer: 240 min: abr

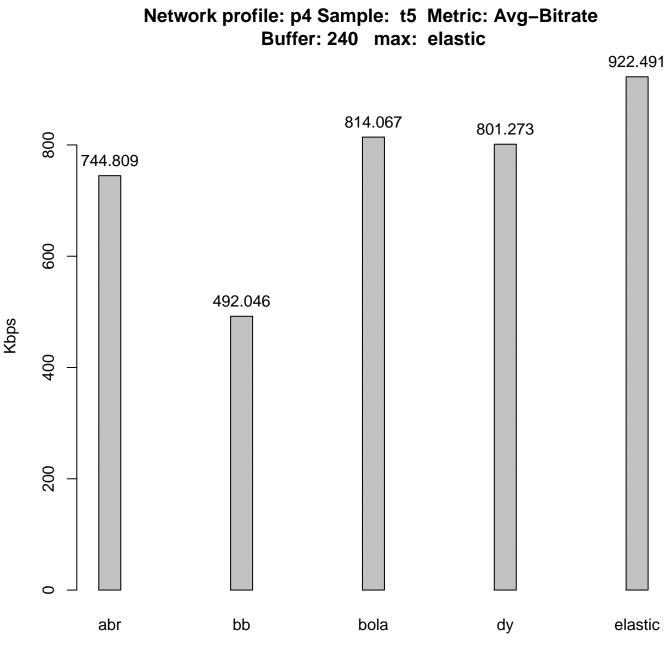
59

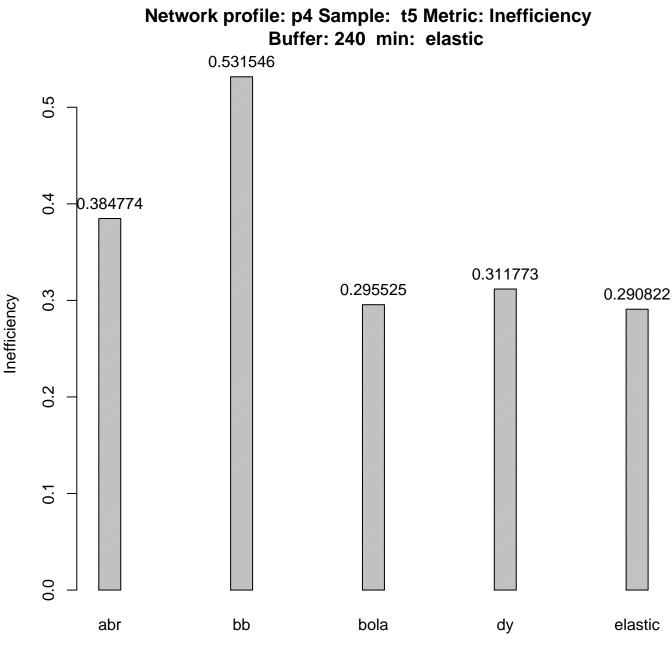




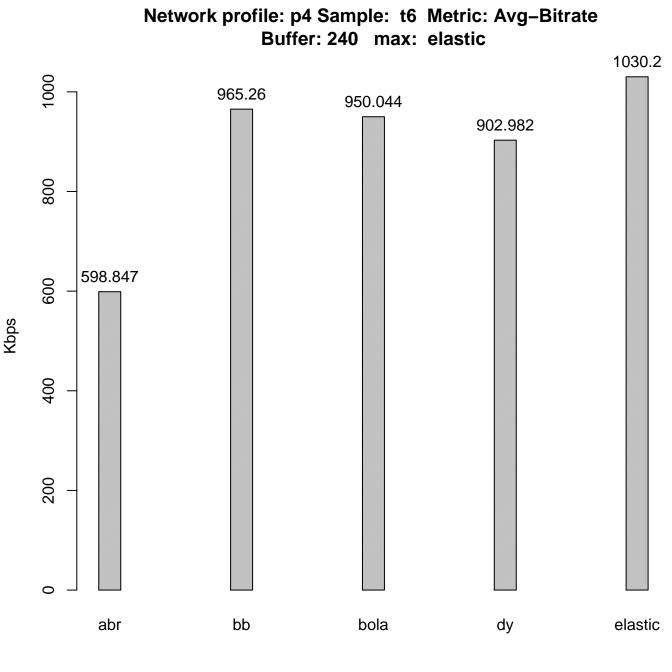




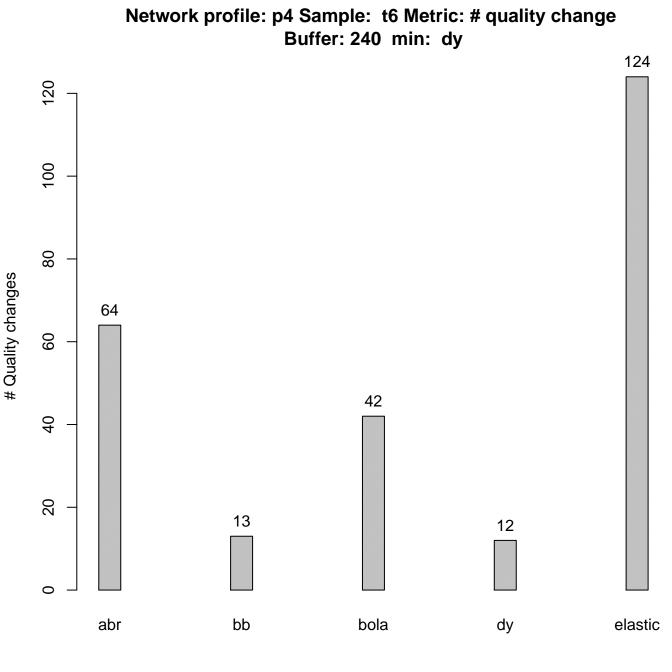


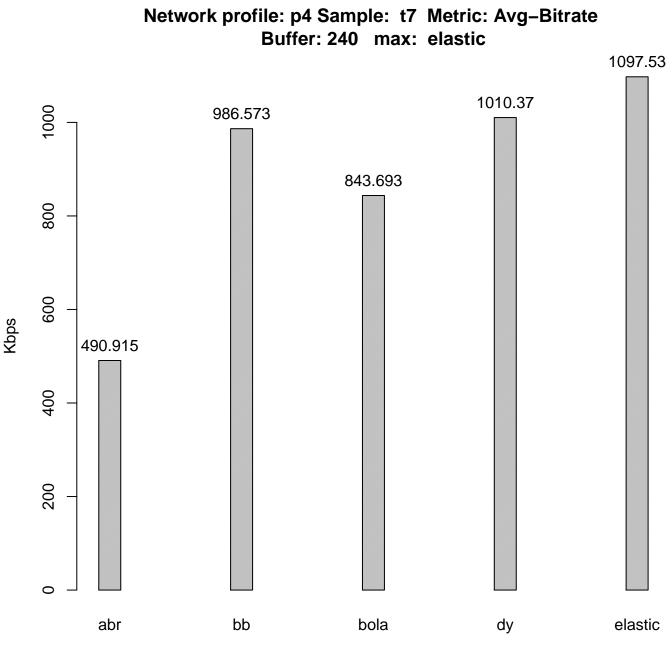


Network profile: p4 Sample: t5 Metric: # quality change Buffer: 240 min: dy 32 30 25 20 # Quality changes 16 15 11 10 10 8 2 abr bb bola elastic dy



Network profile: p4 Sample: t6 Metric: Inefficiency Buffer: 240 min: elastic 0.434046 0.370689 0.292626 0.264535 Inefficiency 0.220278 bb bola elastic abr dy





Buffer: 240 min: elastic 0.418465 0.407699 0.373146 0.359406 0.286103 Inefficiency bb bola elastic abr dy

Network profile: p4 Sample: t7 Metric: Inefficiency

Network profile: p4 Sample: t7 Metric: # quality change Buffer: 240 min: bb 90 80 9 # Quality changes 46 4 24 20 10 abr bb bola elastic dy