

Network profile: p1 Sample: t1 Metric: # quality change Buffer: 240 min: bb 45 34 8 6

bola

dy

elastic

4

30

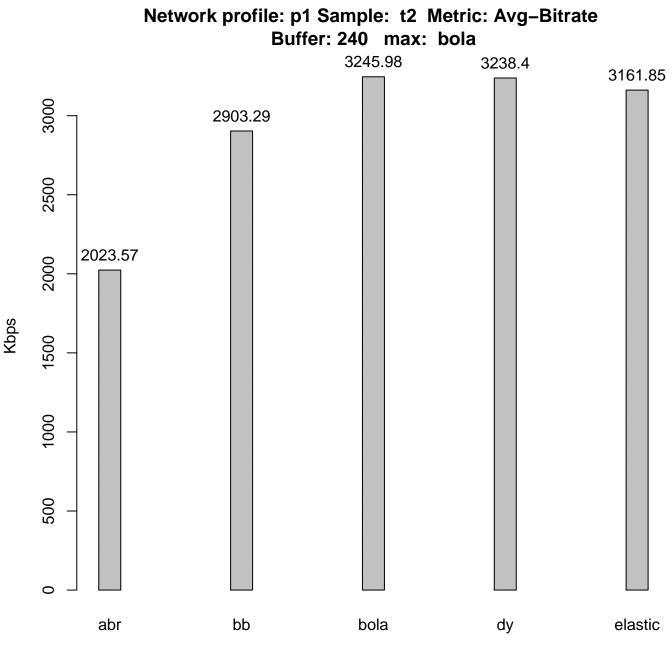
20

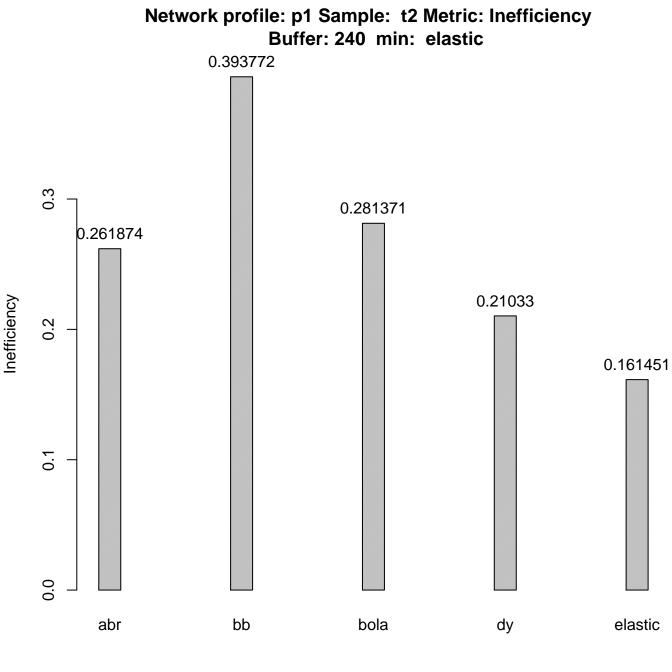
10

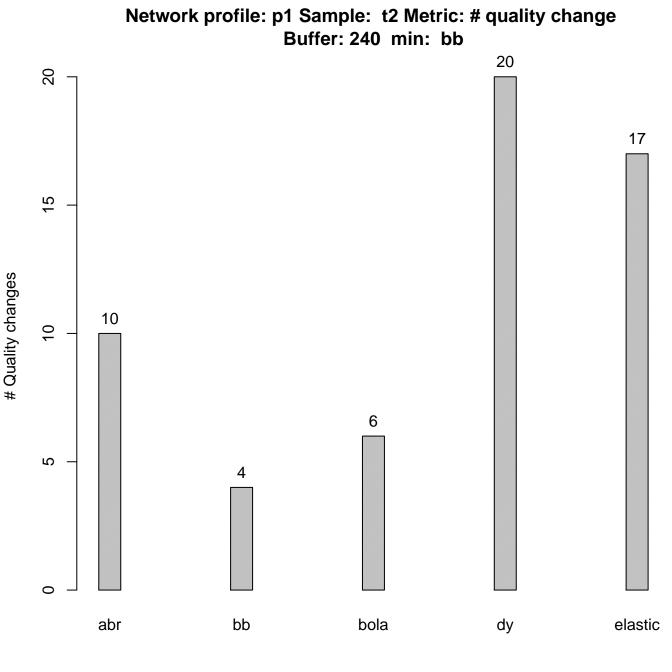
abr

bb

Quality changes

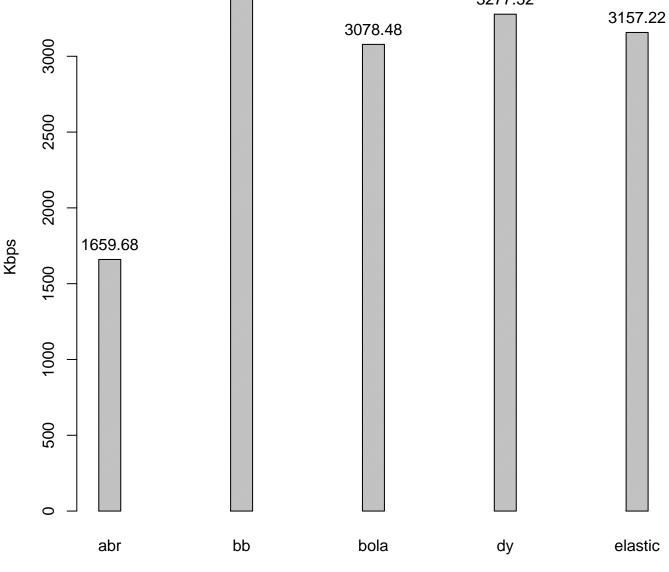


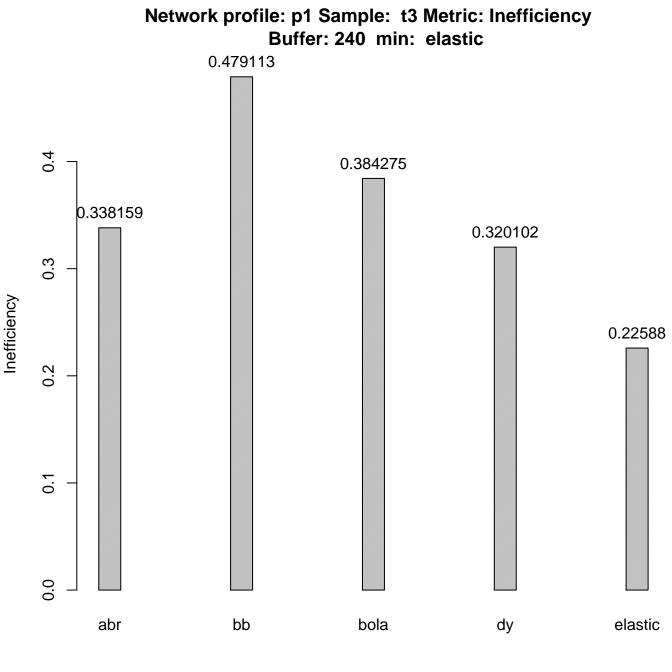


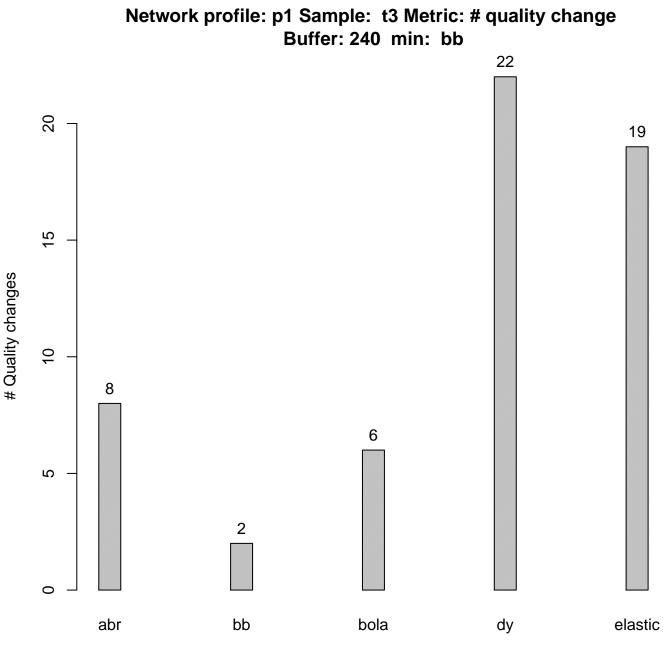


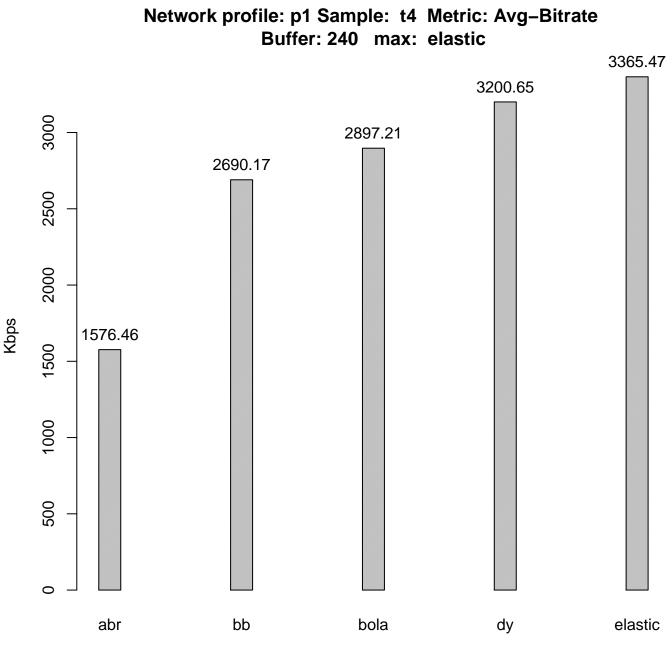
Network profile: p1 Sample: t3 Metric: Avg-Bitrate
Buffer: 240 max: bb

3385.77
3277.52

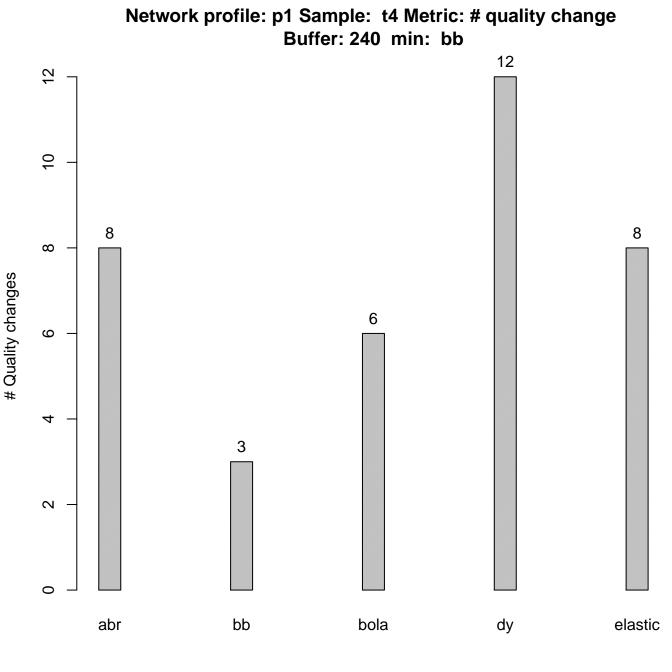


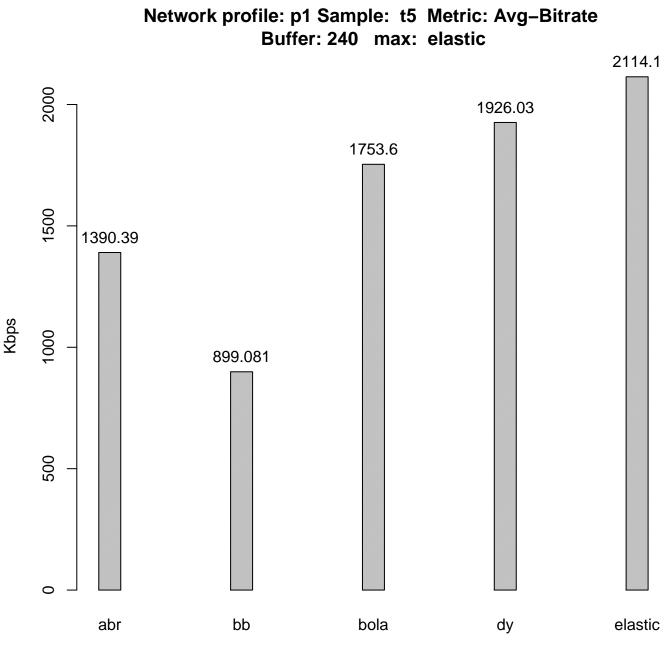


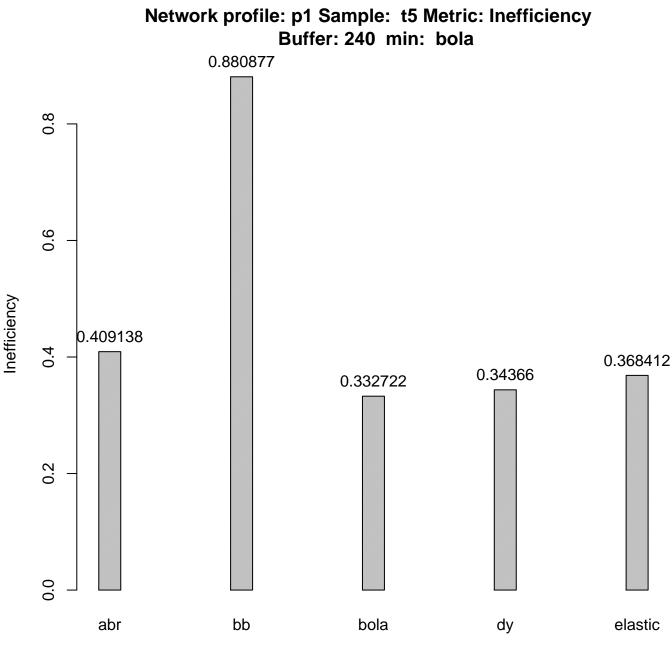


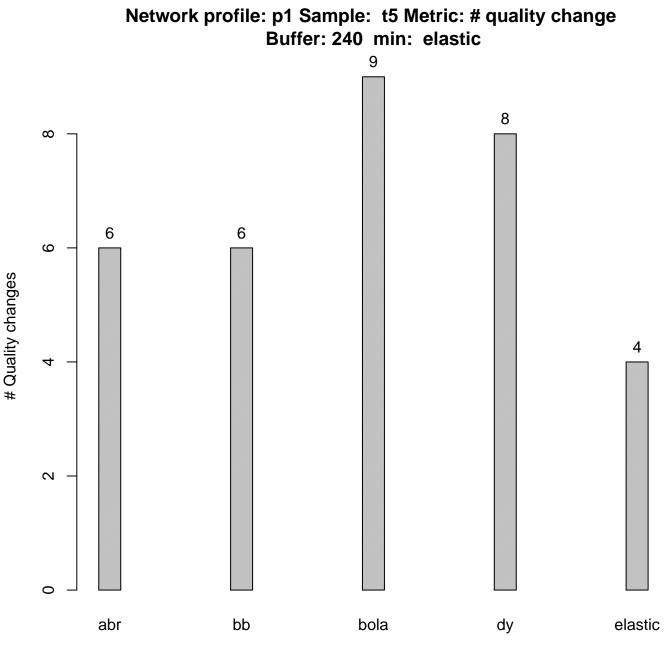


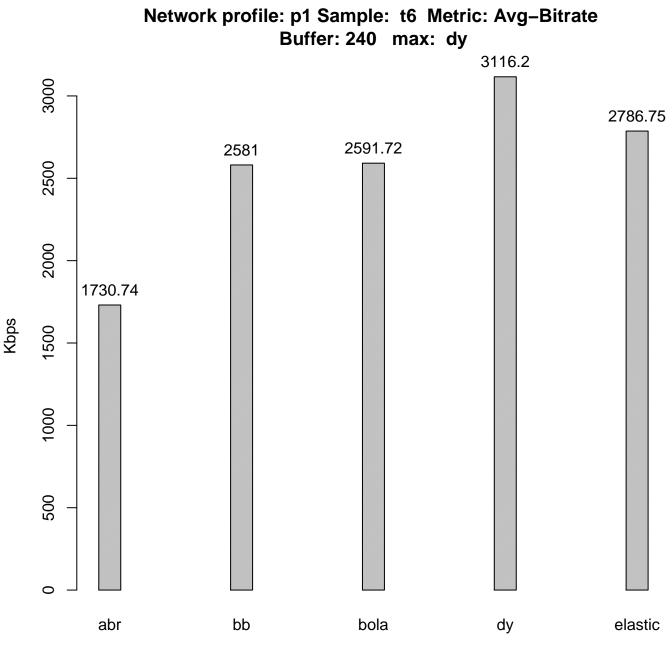
Network profile: p1 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.445321 70.382409 0.335417 0.240451 Inefficiency 0.143342 bb bola elastic abr dy

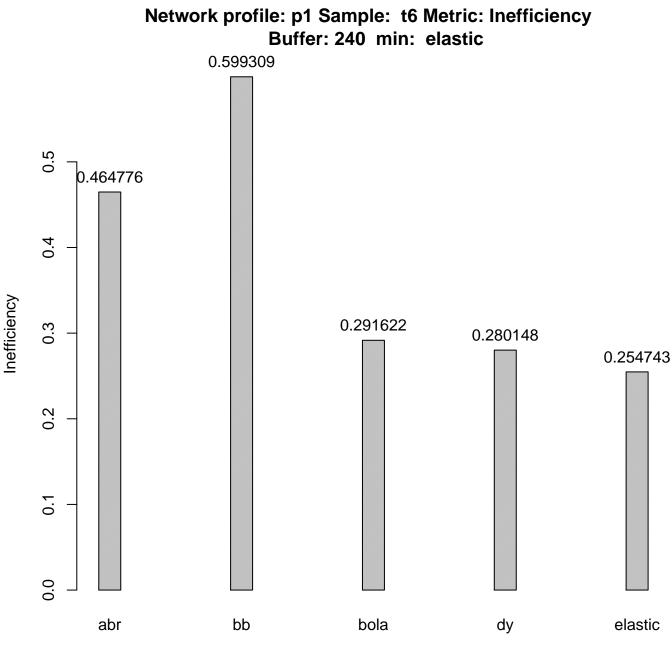


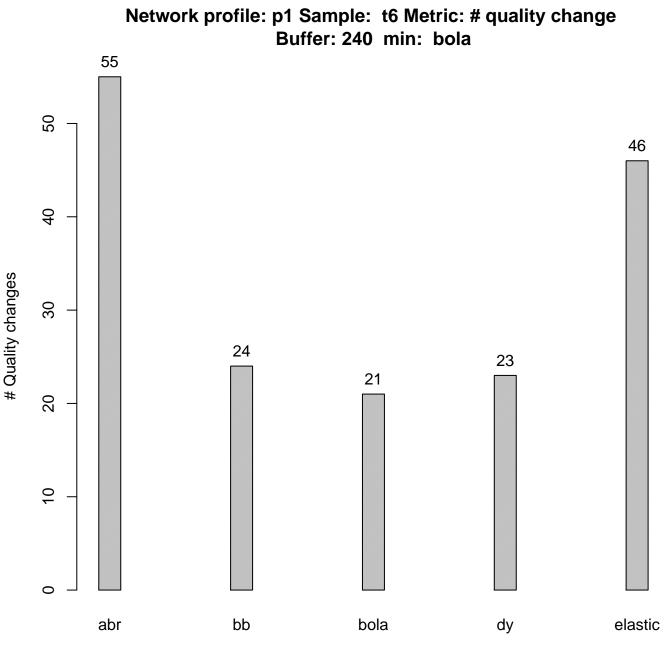


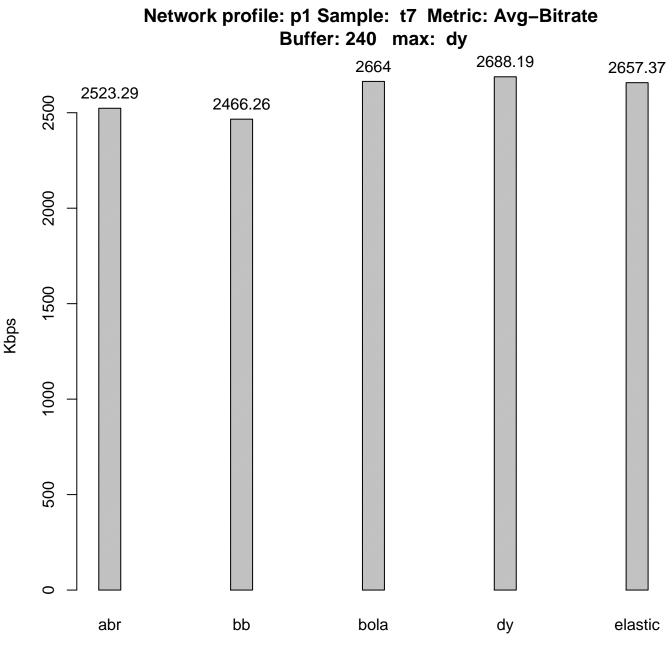


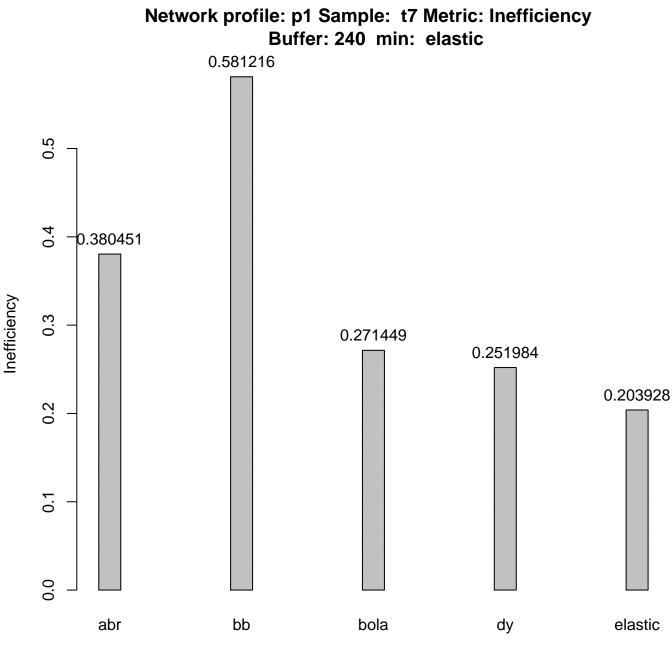












Network profile: p1 Sample: t7 Metric: # quality change Buffer: 240 min: bb 47 4 30 30 # Quality changes 20 18 16 10 7

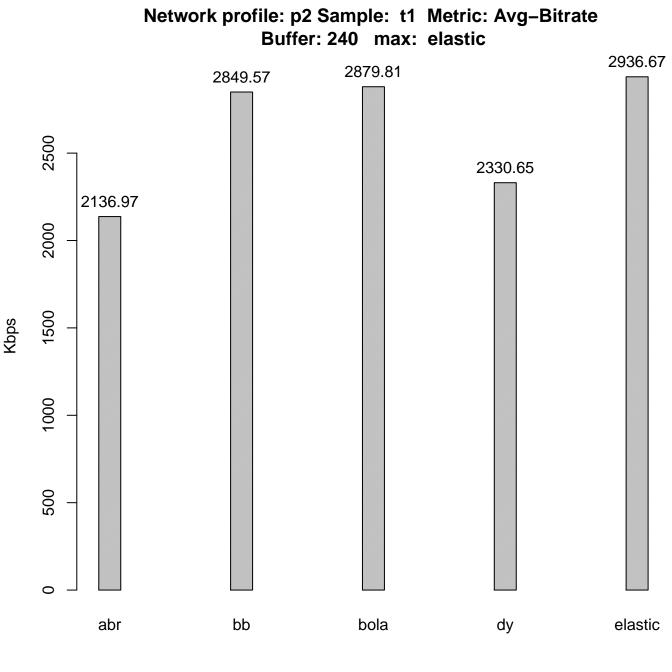
bola

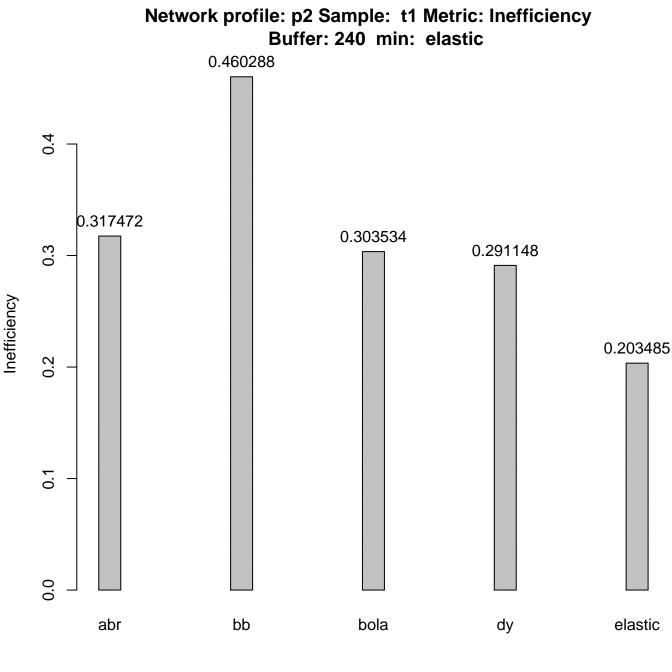
dy

elastic

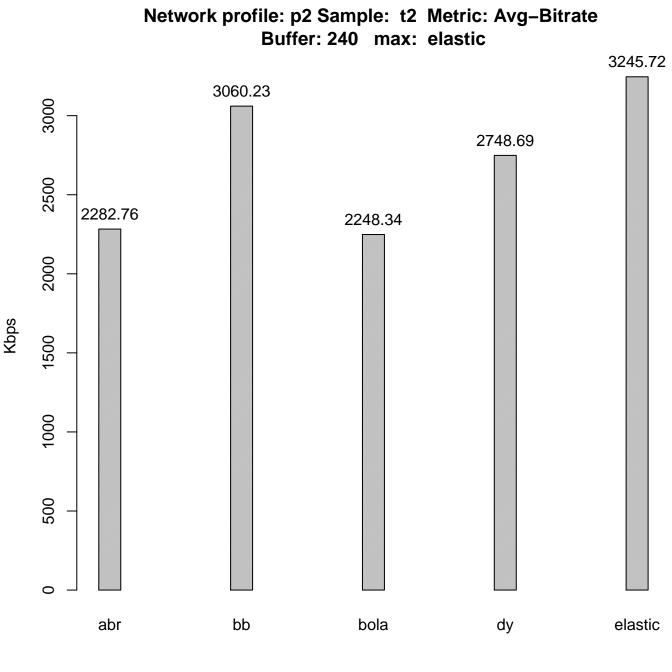
abr

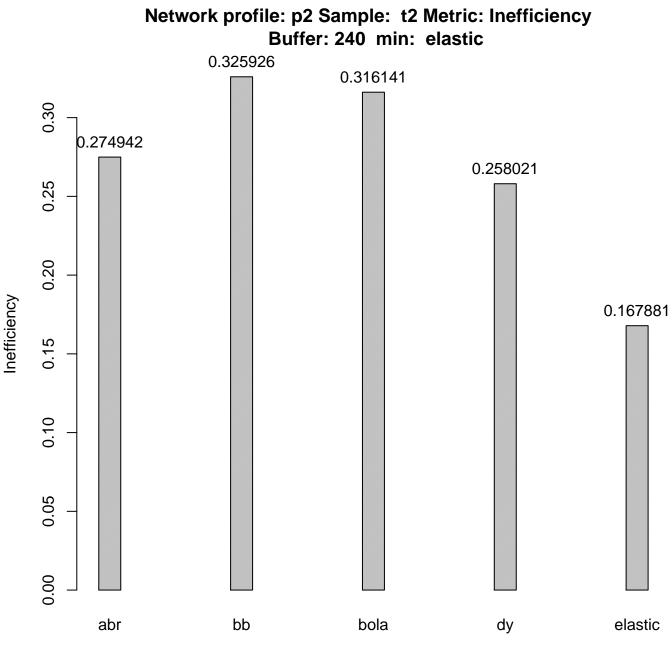
bb

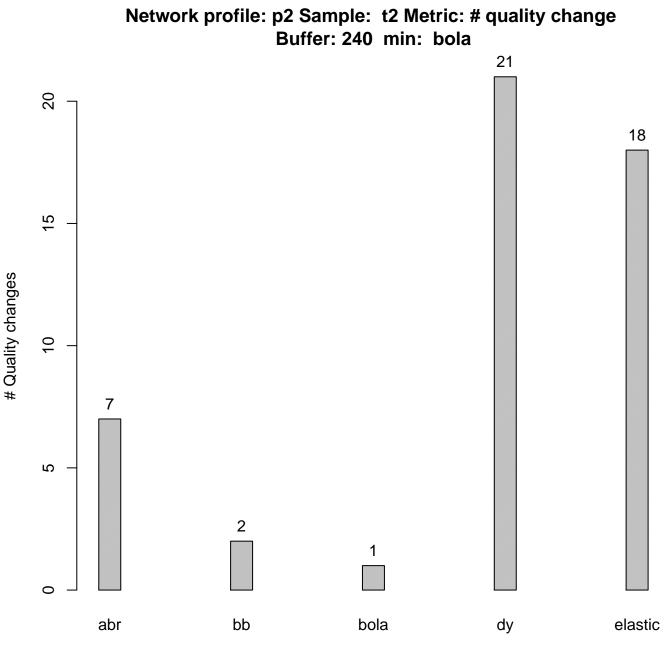




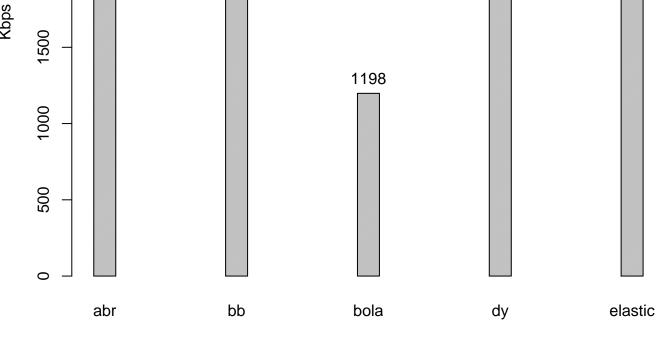
Network profile: p2 Sample: t1 Metric: # quality change Buffer: 240 min: bb 36 35 30 30 25 # Quality changes 20 15 11 10 5 2 2 bola abr bb elastic dy

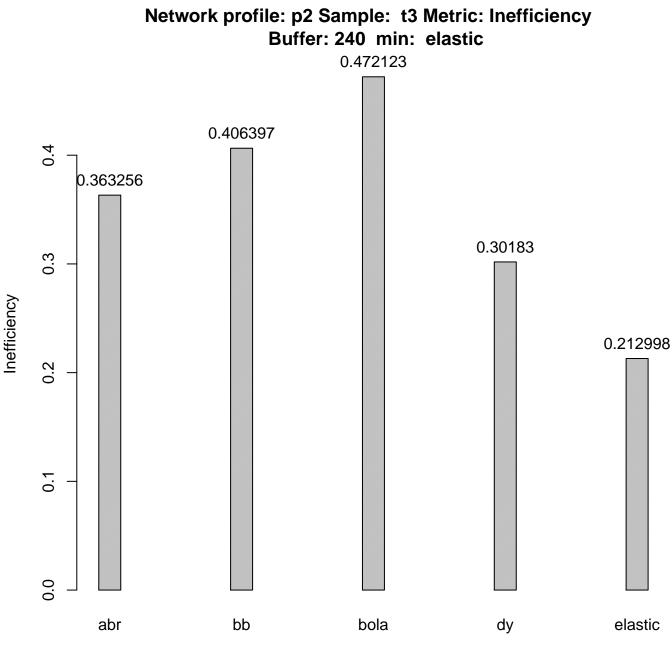


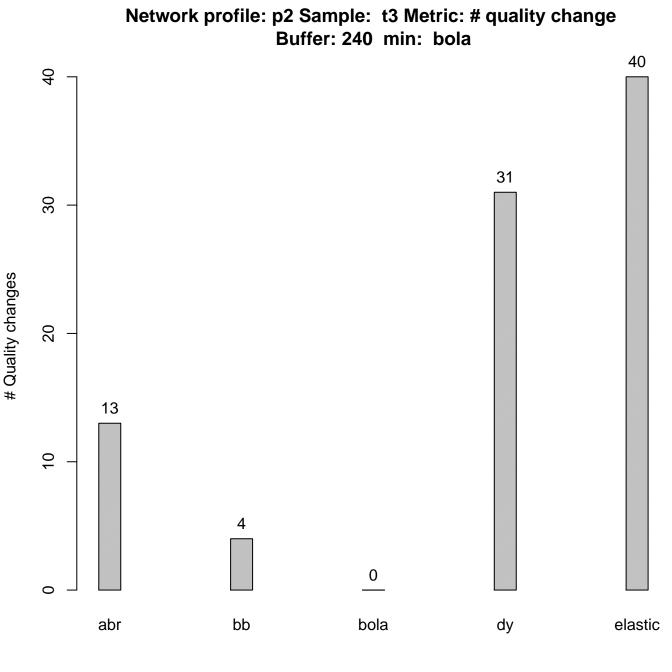




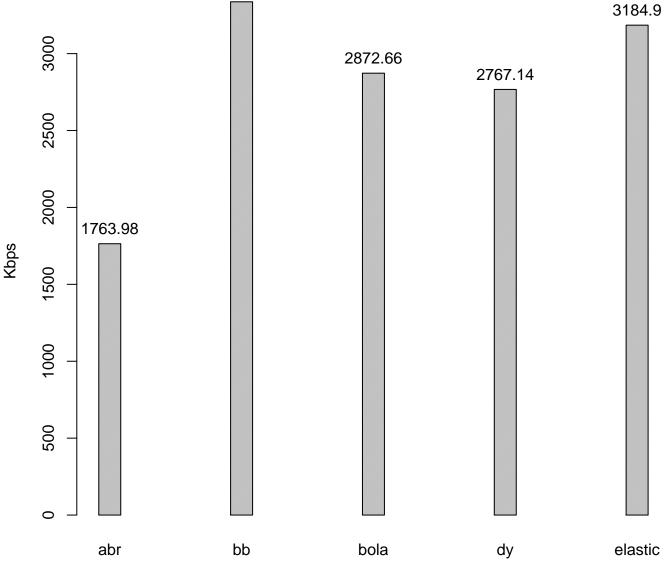
Network profile: p2 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: bb 3365.54 3292.14 3000 2698.51 2500 2000 1962.55 Kbps 1500 1198 1000 500



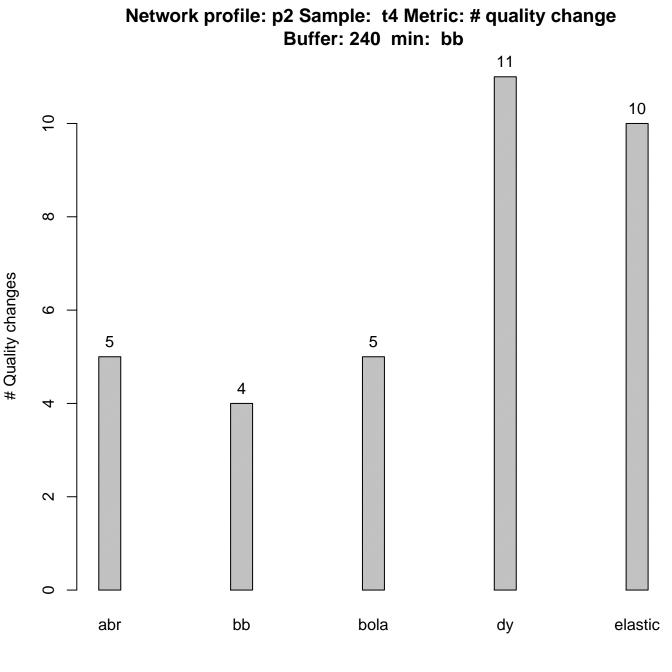




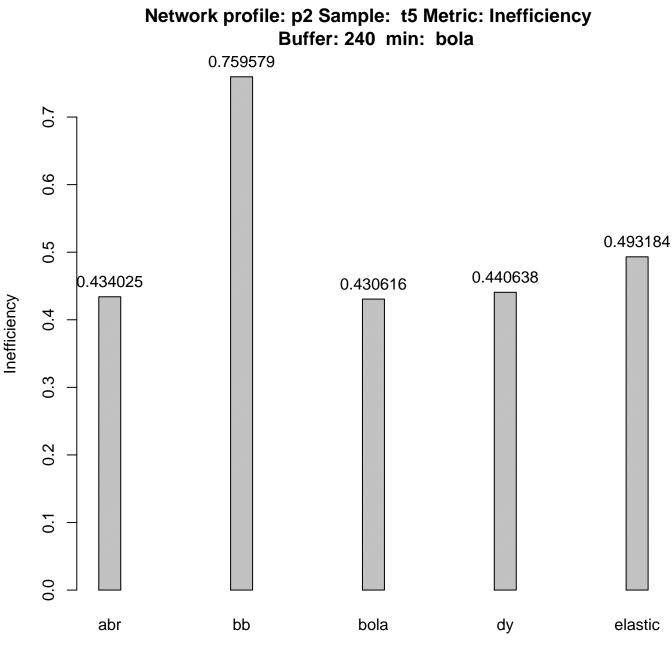
Network profile: p2 Sample: t4 Metric: Avg-Bitrate
Buffer: 240 max: bb
3336.85



Network profile: p2 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.44983 0.390573 0.294352 0.241084 Inefficiency 0.127468 0.1 bb bola elastic abr dy



Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 240 max: dy 1923.41 1840.93 1839.93 1500 1200.02 547.678 500 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

 ∞

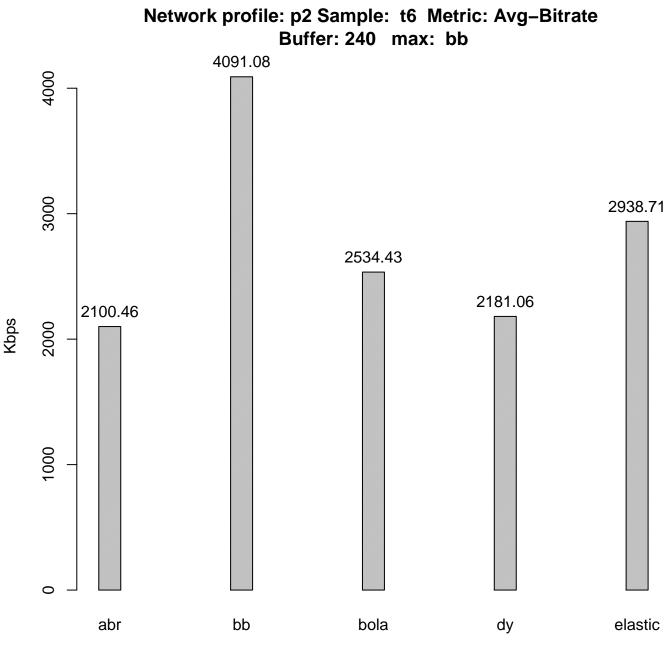
9

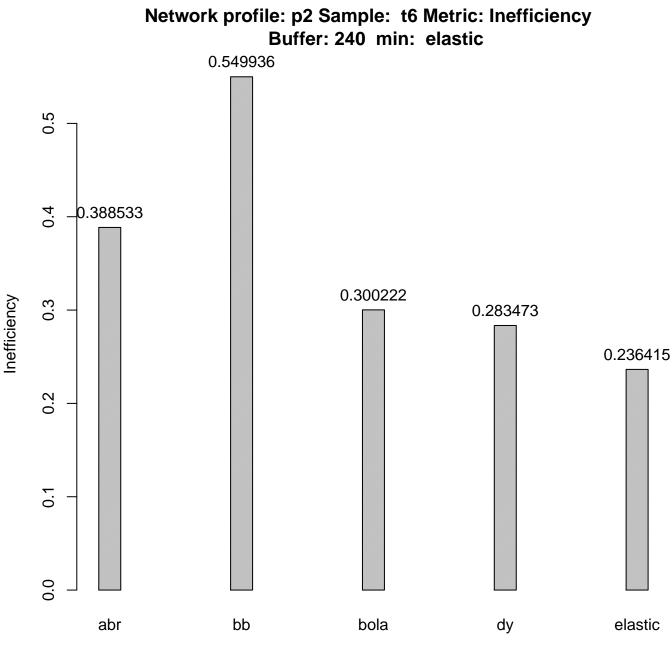
 $^{\circ}$

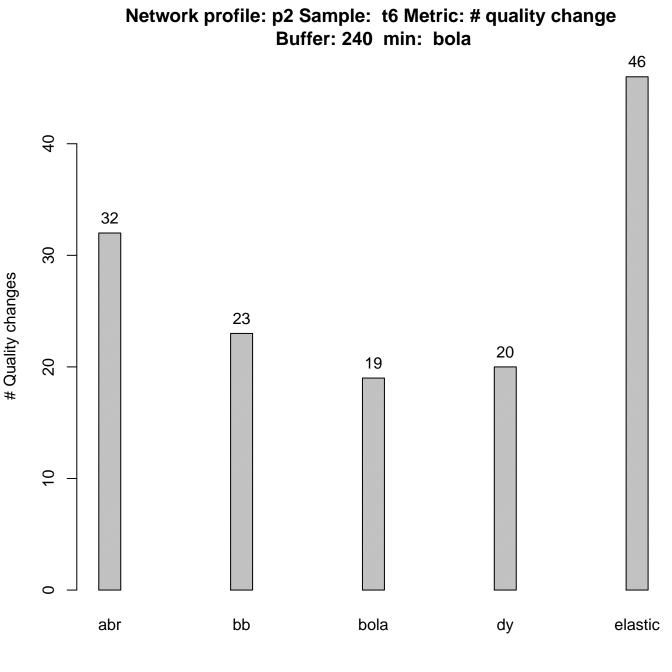
abr

bb

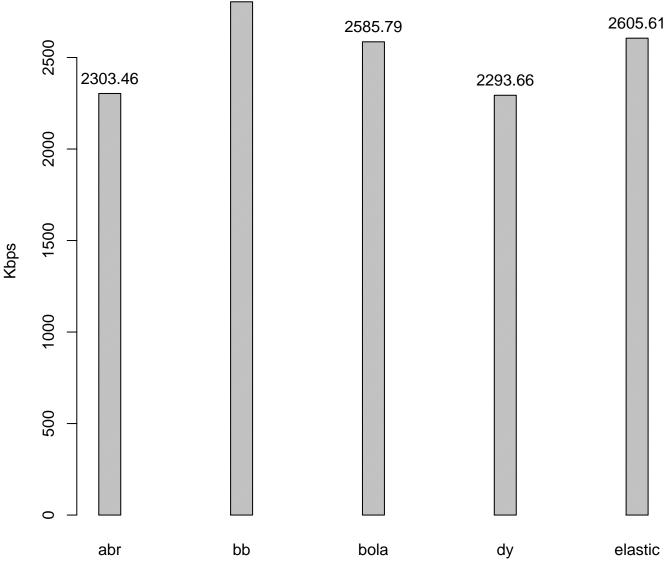
Quality changes

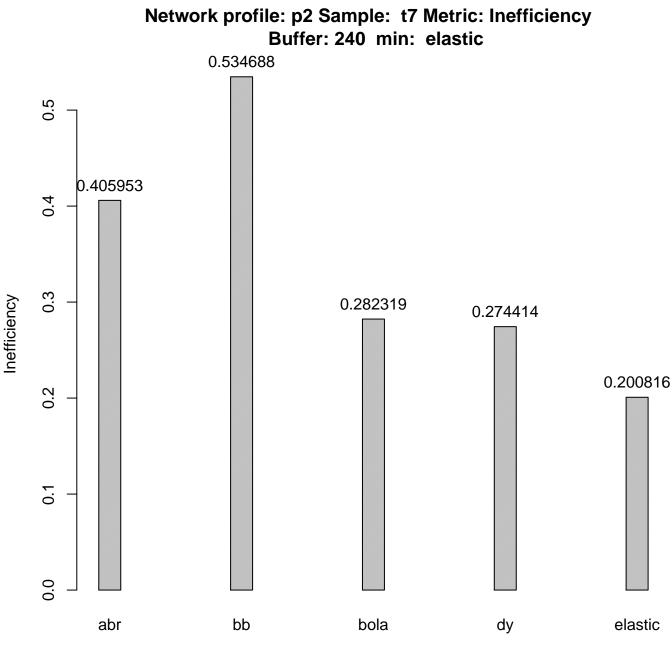




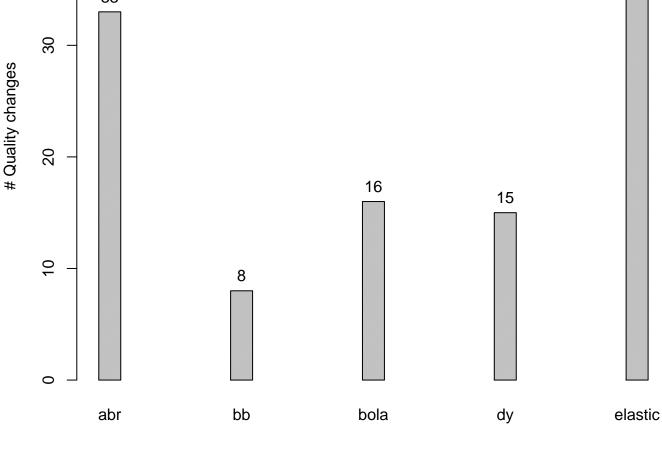


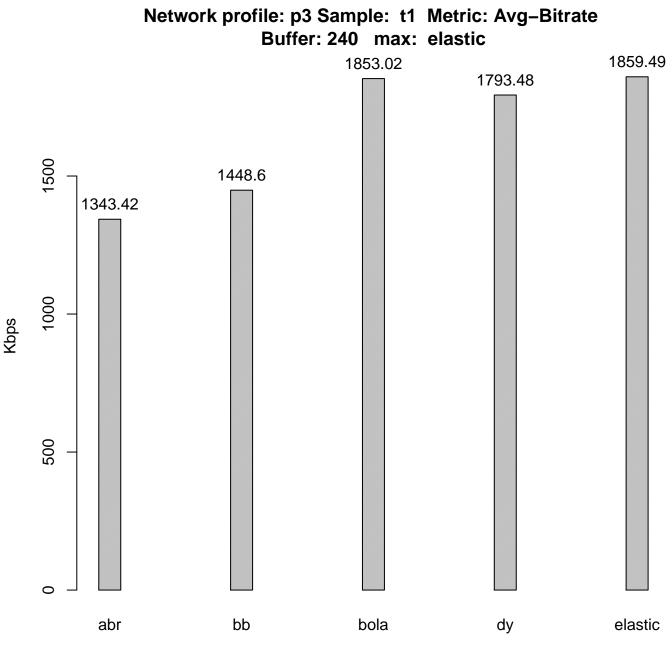
Network profile: p2 Sample: t7 Metric: Avg-Bitrate
Buffer: 240 max: bb
2804.4





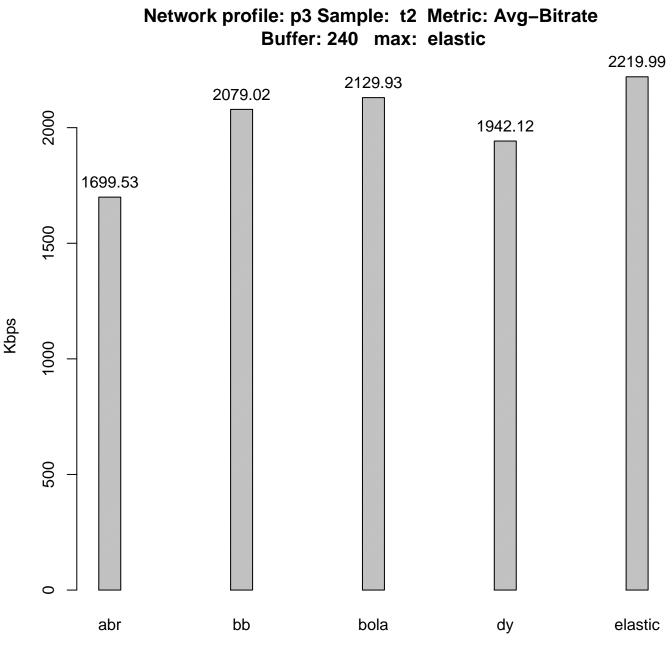
Network profile: p2 Sample: t7 Metric: # quality change Buffer: 240 min: bb



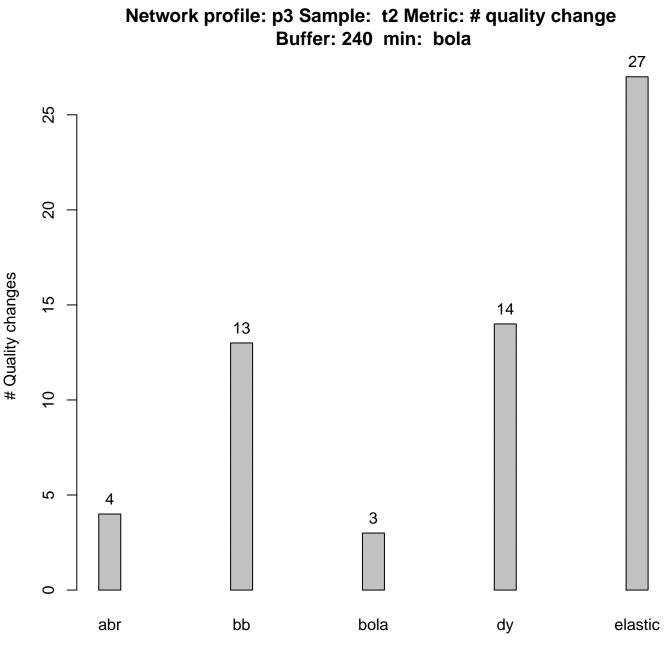


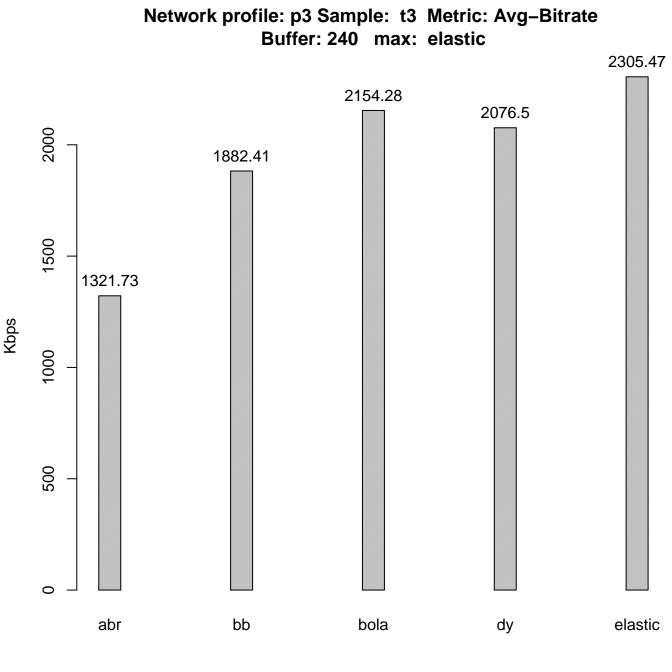
Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 240 min: elastic 0.358693 0.35 0.342284 0.323575 0.30 0.25817 0.25 0.199037 0.20 Inefficiency 0.15 0.10 0.05 bb bola elastic abr dy

Network profile: p3 Sample: t1 Metric: # quality change Buffer: 240 min: bb 49 40 30 # Quality changes 20 17 12 10 10 10 abr bb bola elastic dy



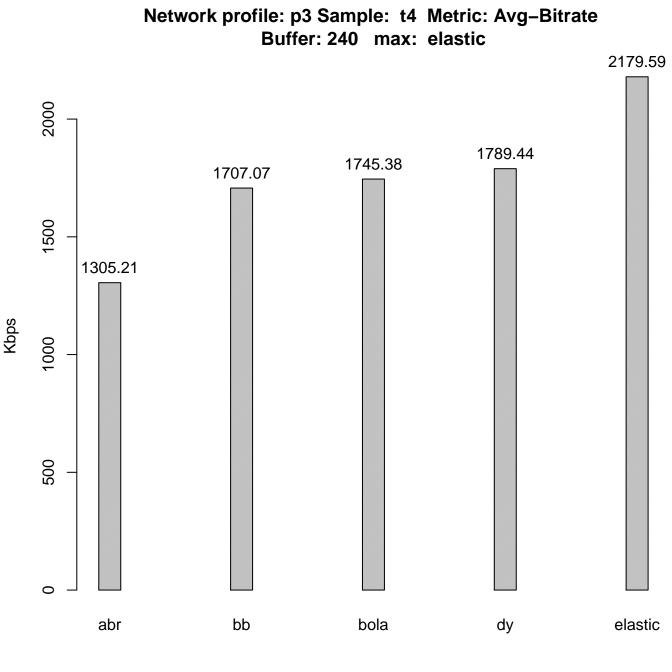
Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 240 min: elastic 0.236742 0.235659 0.231795 0.220358 0.20 0.157194 0.15 Inefficiency 0.05 bb bola elastic abr dy



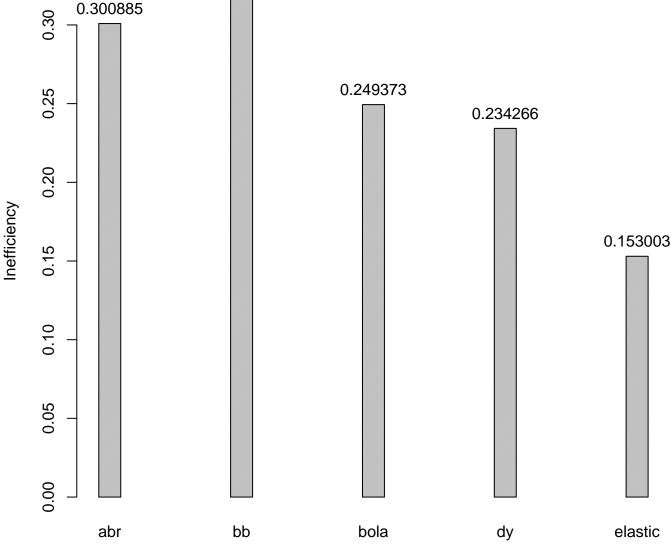


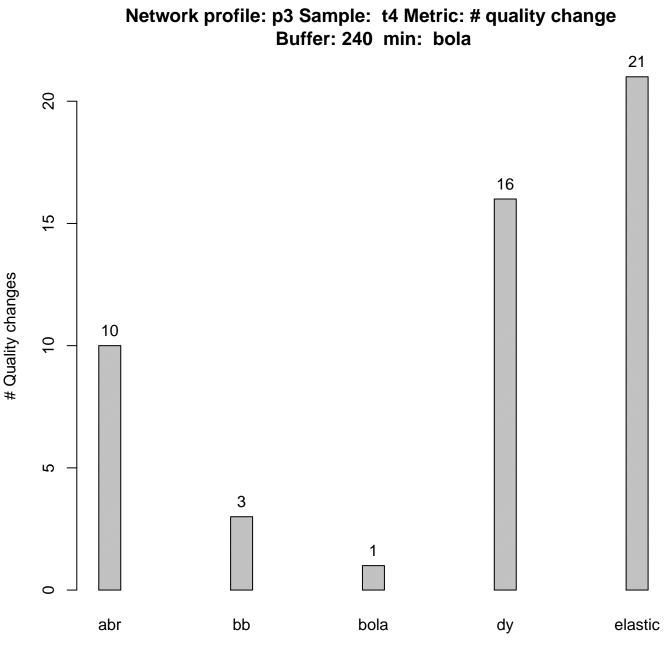
Network profile: p3 Sample: t3 Metric: Inefficiency Buffer: 240 min: elastic 0.307053 0.299722 0.25 0.219575 0.201996 0.20 Inefficiency 0.15 0.143536 0.10 0.05 bb bola elastic abr dy

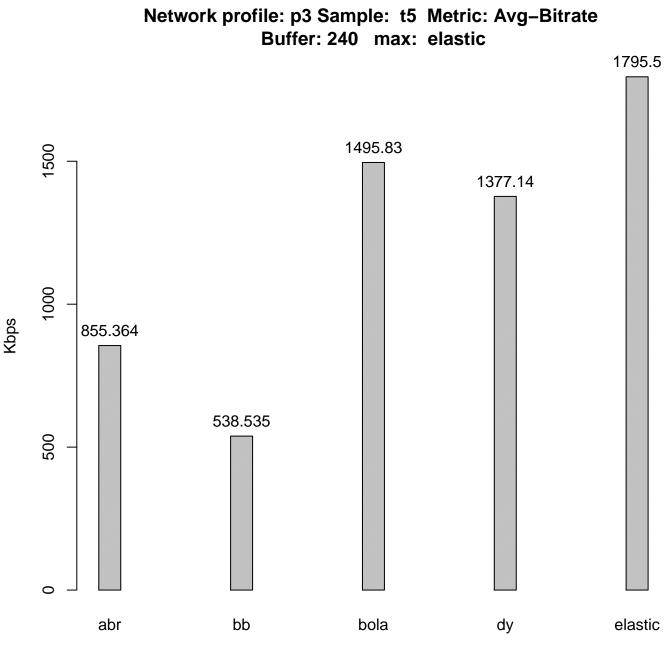
Network profile: p3 Sample: t3 Metric: # quality change Buffer: 240 min: bb 67 9 50 # Quality changes 40 30 25 22 20 10 5 5 elastic abr bb bola dy

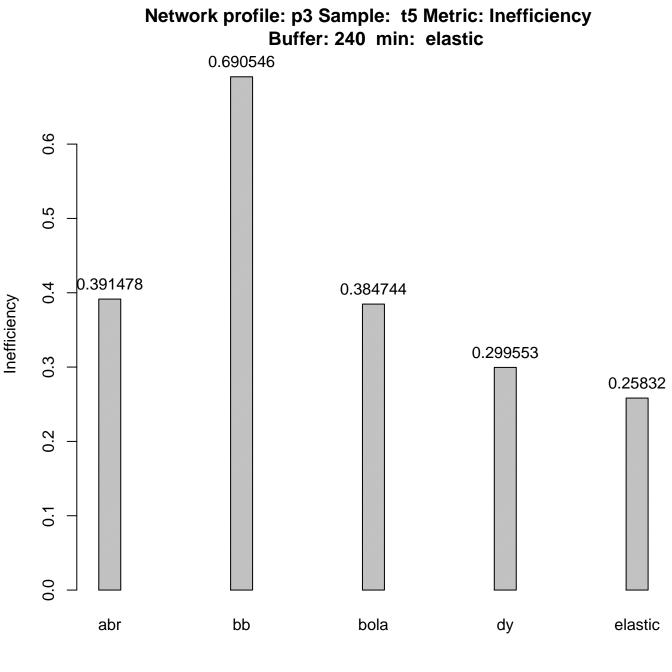


Network profile: p3 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic
0.32614

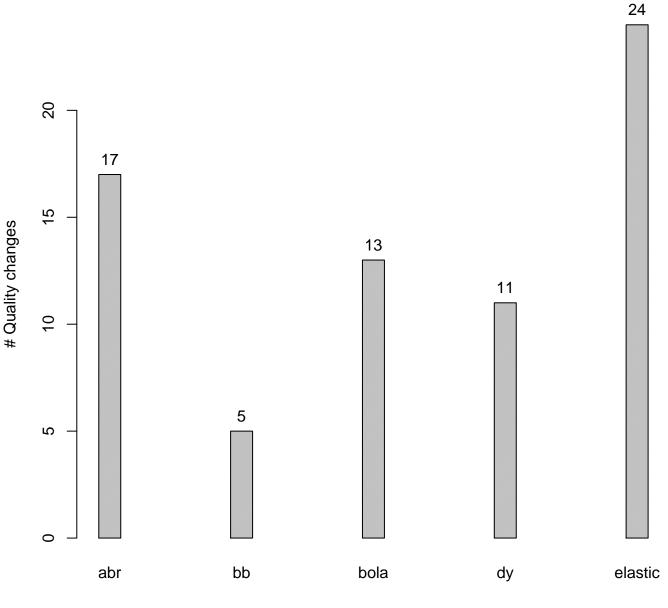


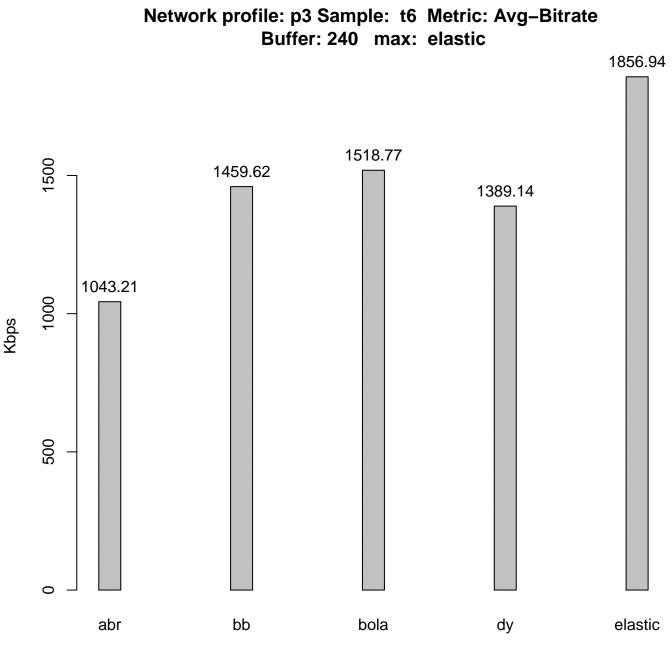


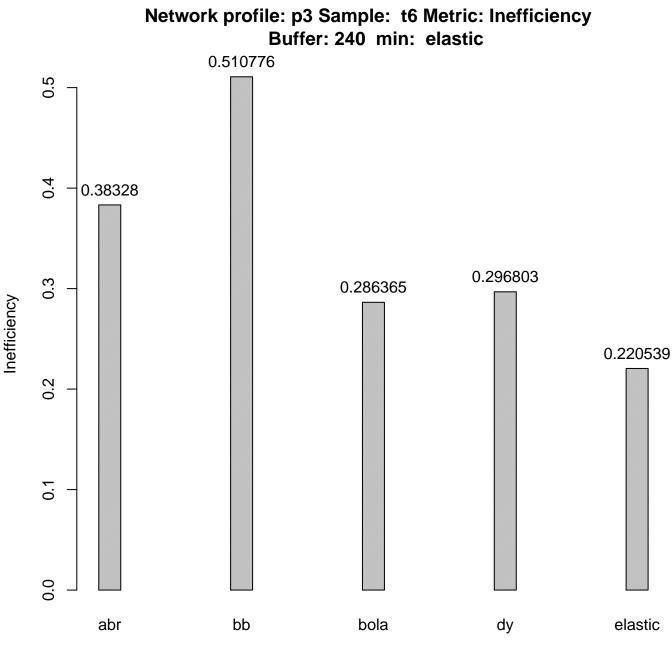




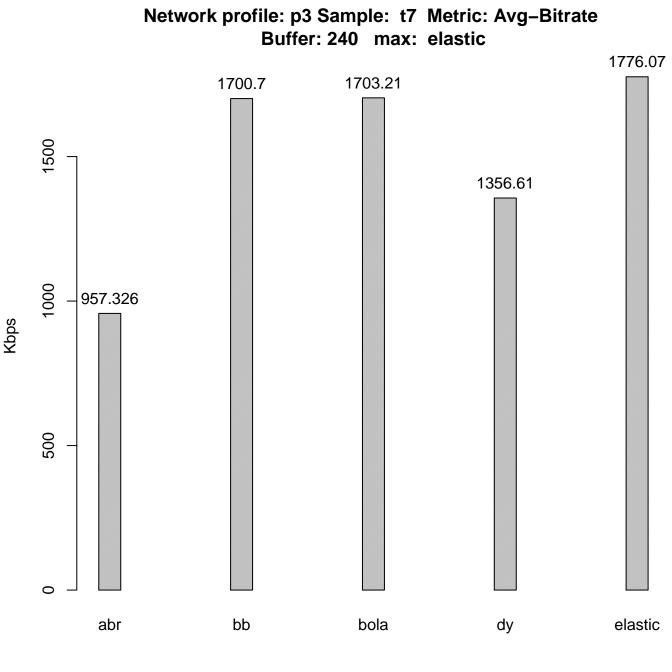
Network profile: p3 Sample: t5 Metric: # quality change Buffer: 240 min: bb

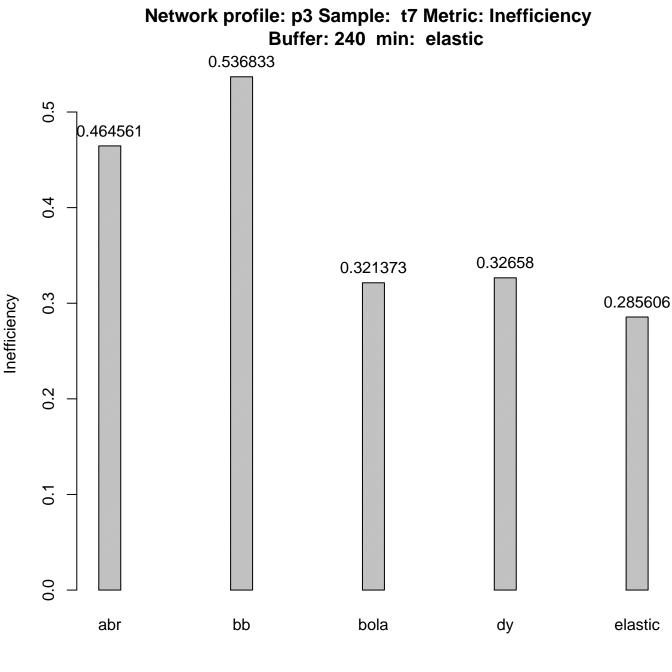




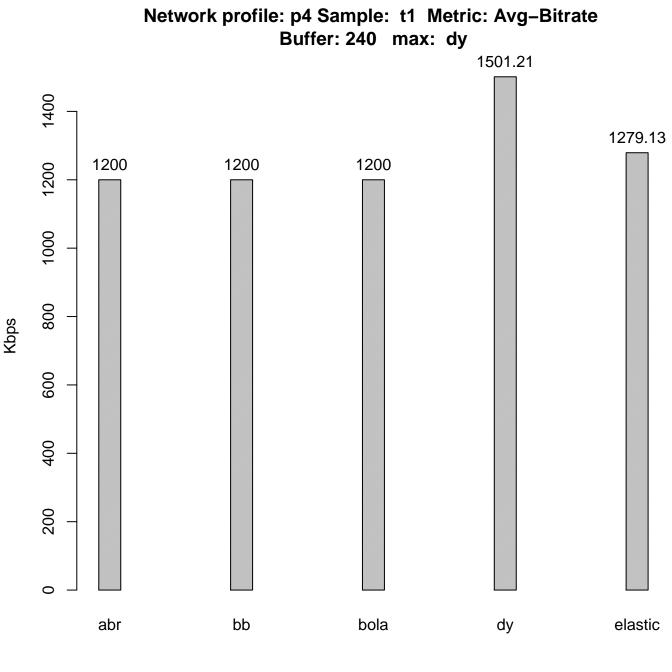


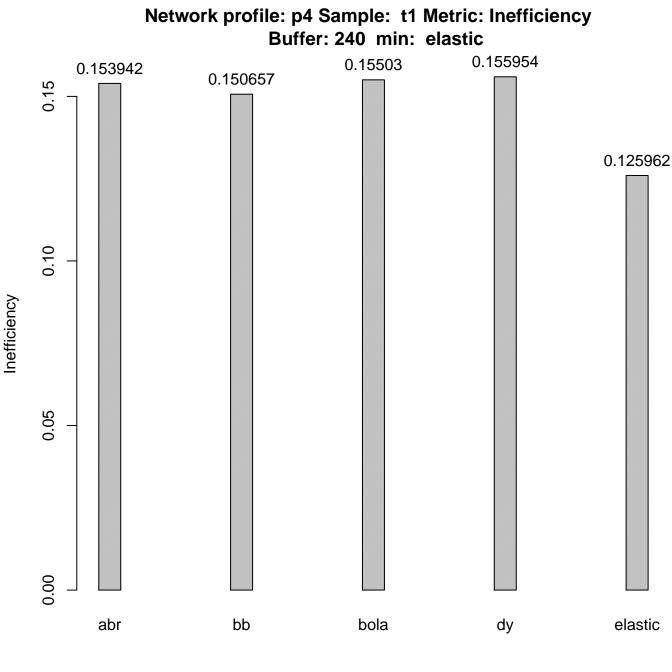
Network profile: p3 Sample: t6 Metric: # quality change Buffer: 240 min: bb 119 100 80 # Quality changes 63 9 40 36 26 20 16 bola abr bb elastic dy



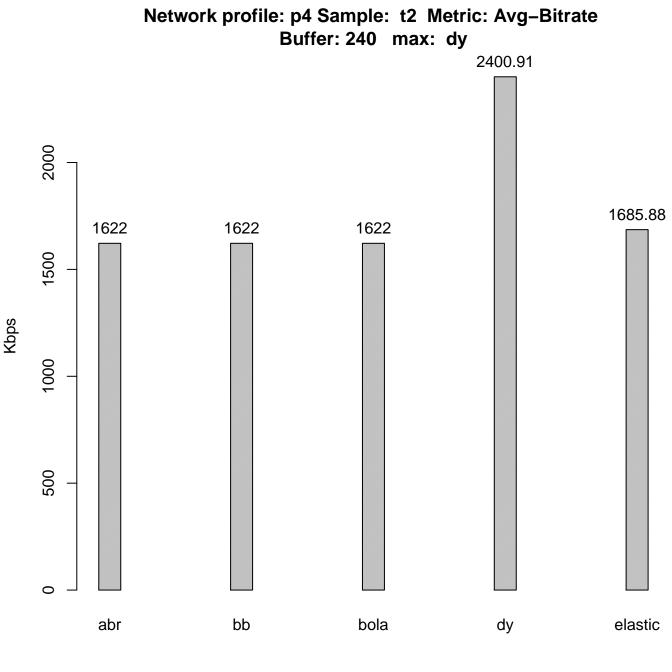


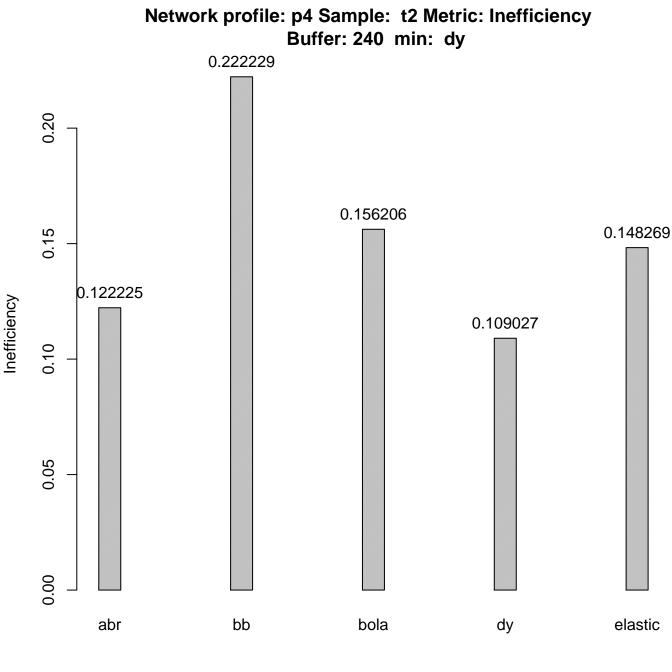
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 240 min: bb 111 100 80 # Quality changes 9 47 40 20 16 15 8 elastic abr bb bola dy



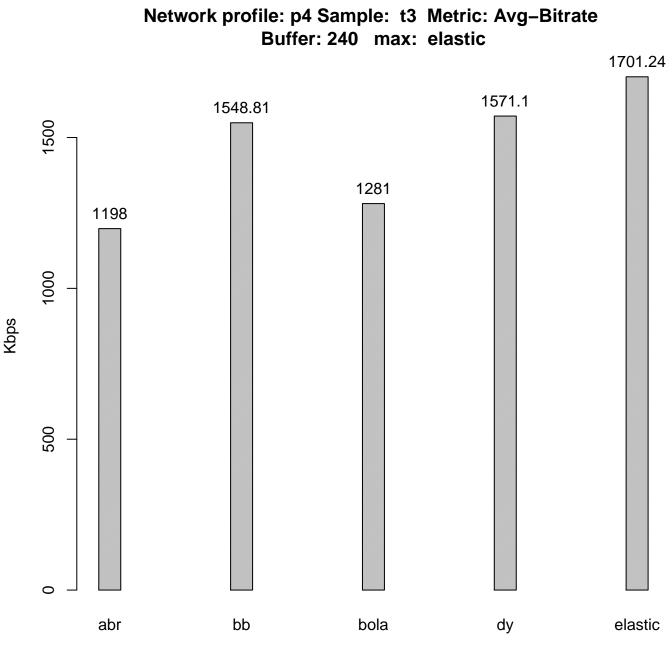


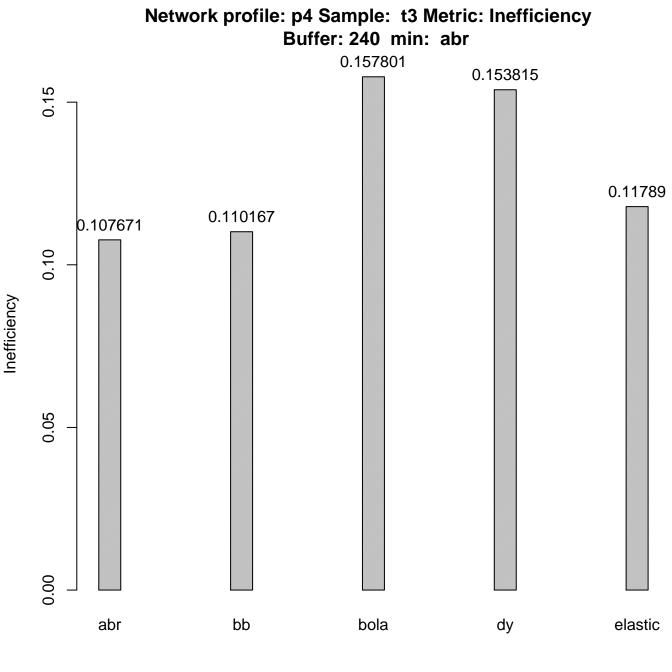
Network profile: p4 Sample: t1 Metric: # quality change Buffer: 240 min: abr 14 12 12 10 # Quality changes ∞ 9 α abr bb bola dy elastic





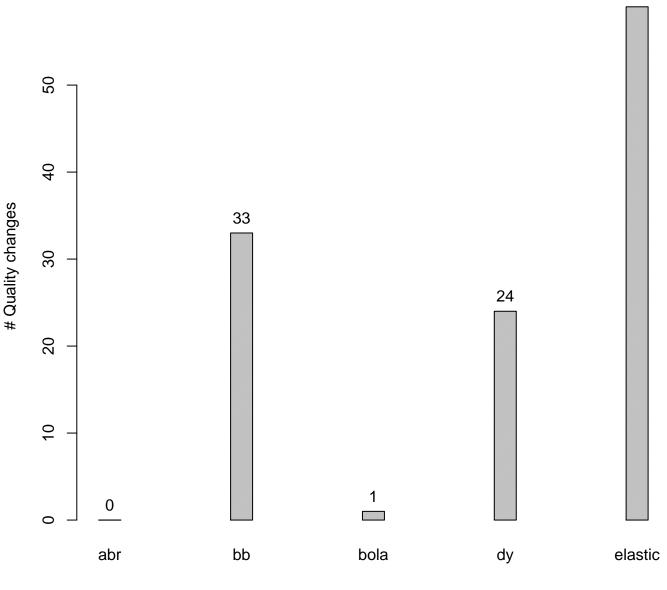
Network profile: p4 Sample: t2 Metric: # quality change Buffer: 240 min: abr 8 ∞ 6 9 # Quality changes $^{\circ}$ elastic abr bb bola dy

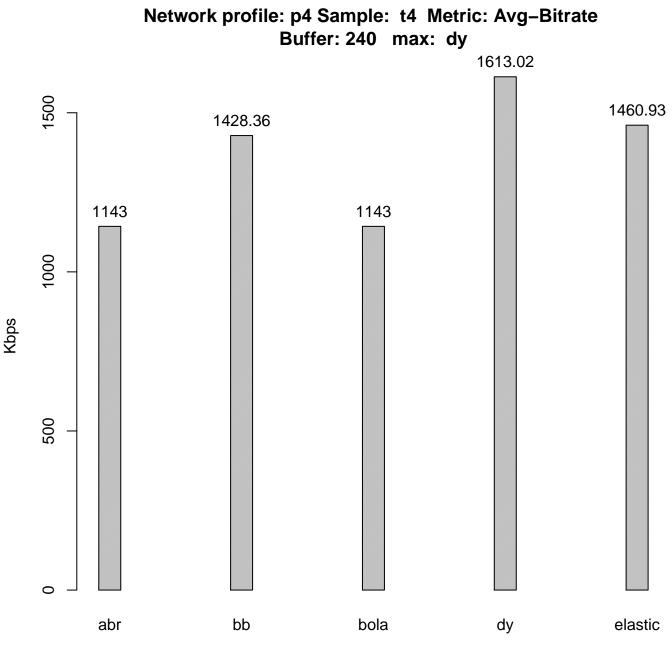




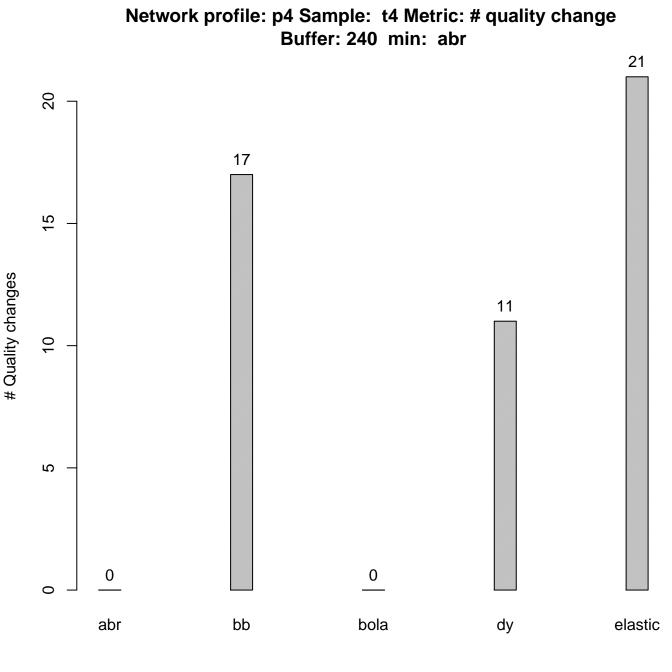
Network profile: p4 Sample: t3 Metric: # quality change Buffer: 240 min: abr

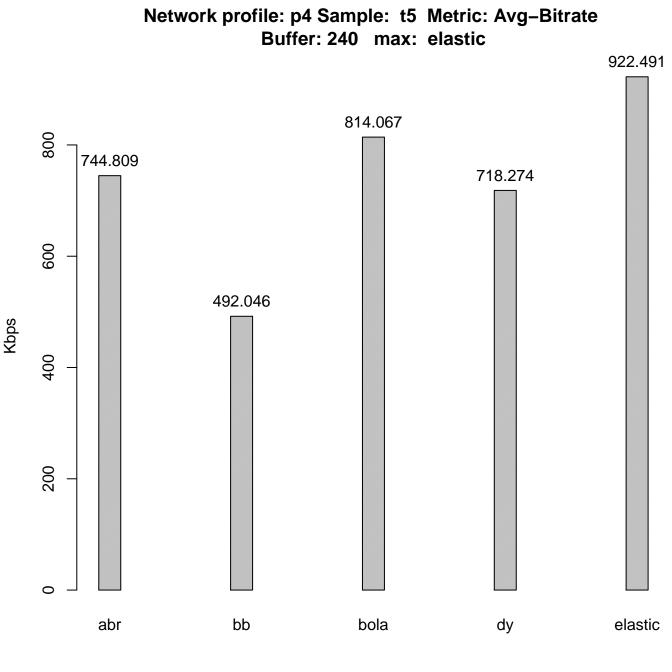
59

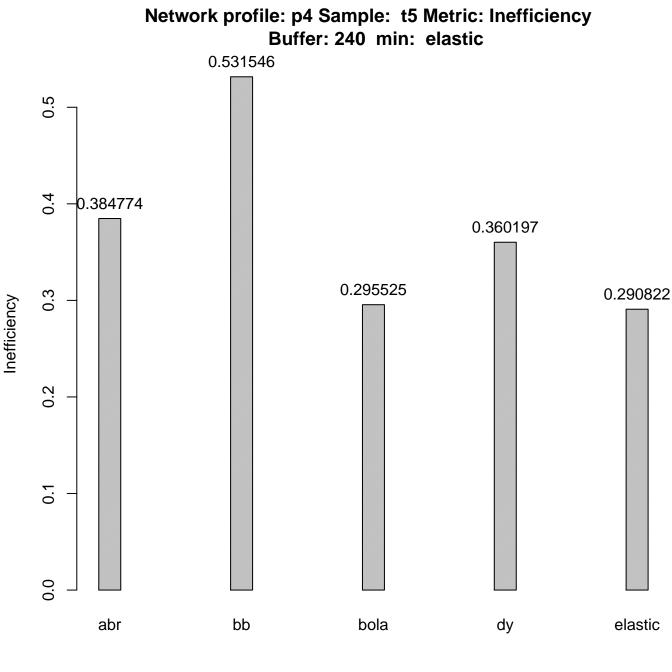


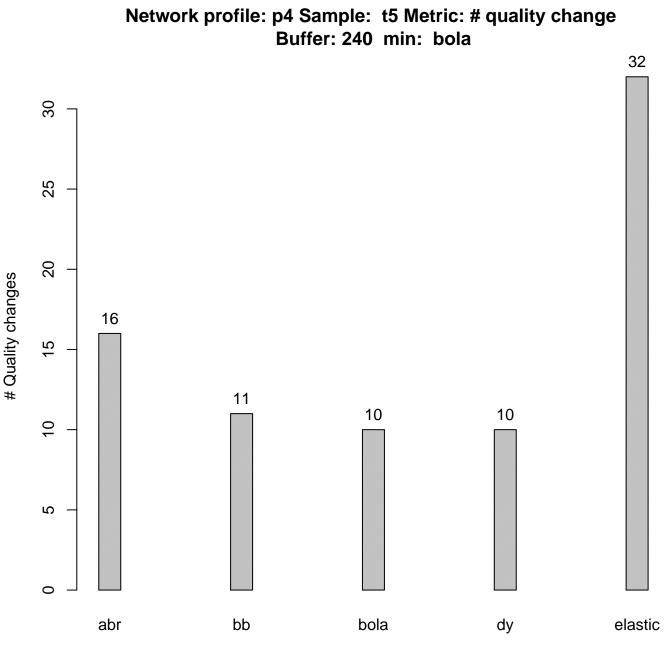


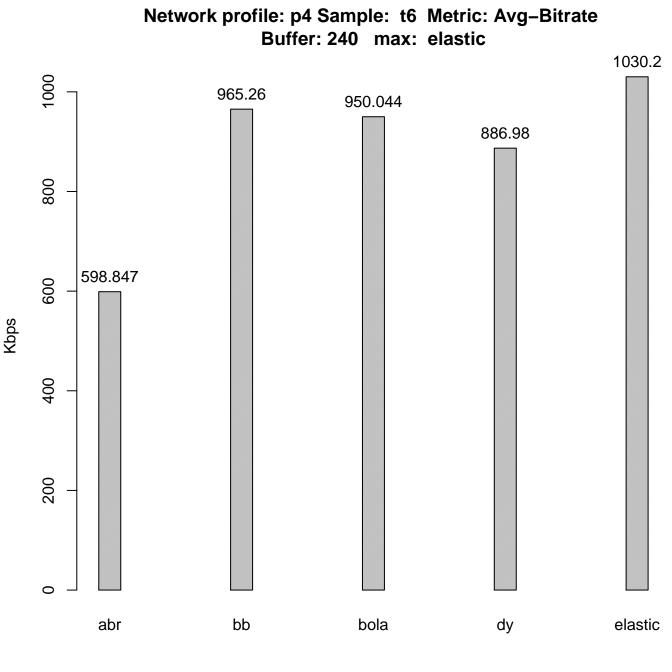
Network profile: p4 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.137248 0.129197 0.12 -0.115572 0.114813 0.10852 0.10 0.08 Inefficiency 90.0 0.04 0.02 bb bola elastic abr dy



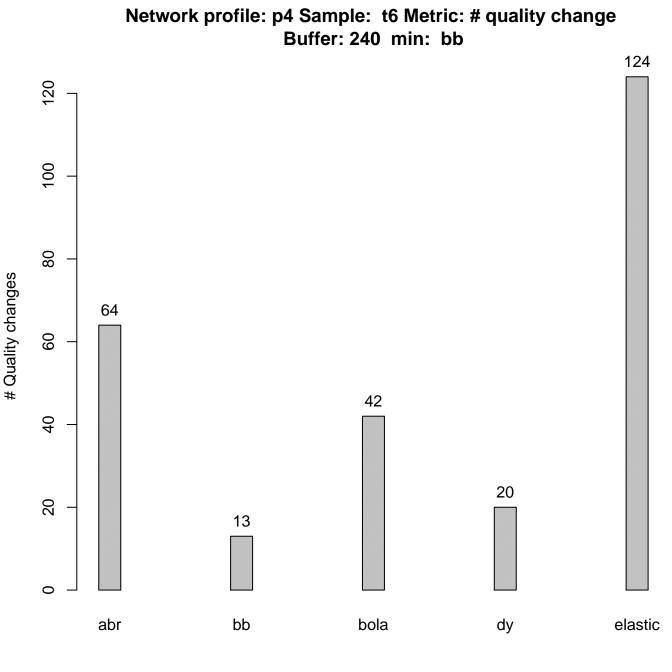


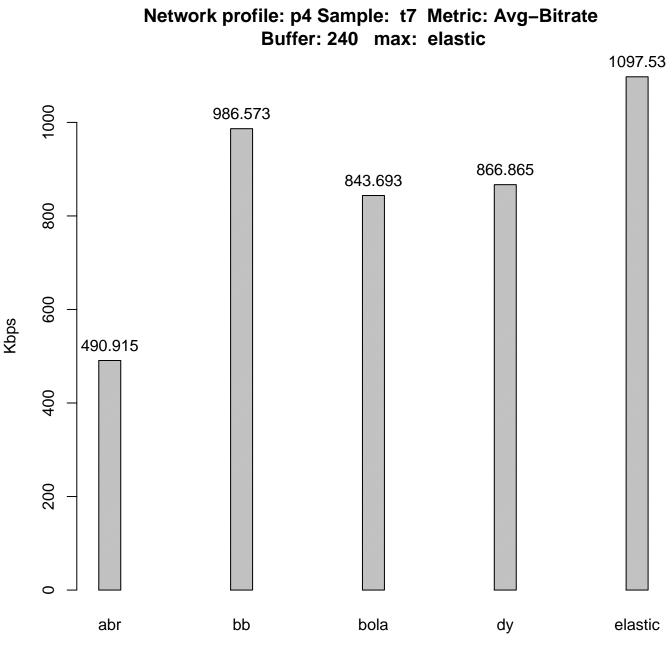






Network profile: p4 Sample: t6 Metric: Inefficiency Buffer: 240 min: elastic 0.434046 0.370689 0.292626 0.283664 Inefficiency 0.220278 bb bola elastic abr dy





Network profile: p4 Sample: t7 Metric: Inefficiency Buffer: 240 min: elastic 0.418465 0.407699 0.359406 0.359791 0.286103 Inefficiency bb bola elastic abr dy

Network profile: p4 Sample: t7 Metric: # quality change Buffer: 240 min: bb 90 80 9 # Quality changes 4 35 24 20 10 elastic abr bb bola dy