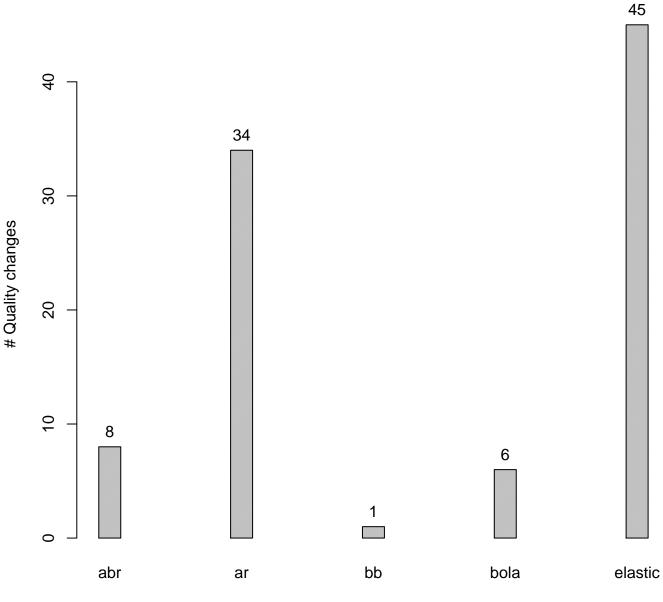
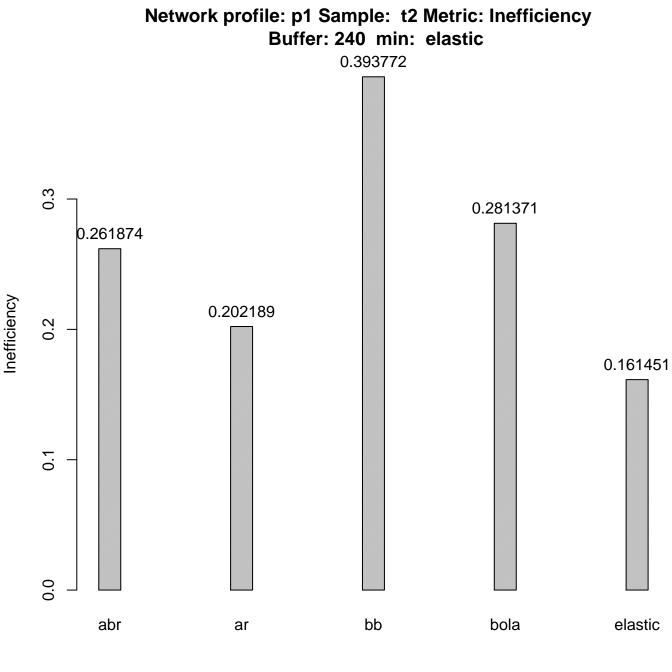


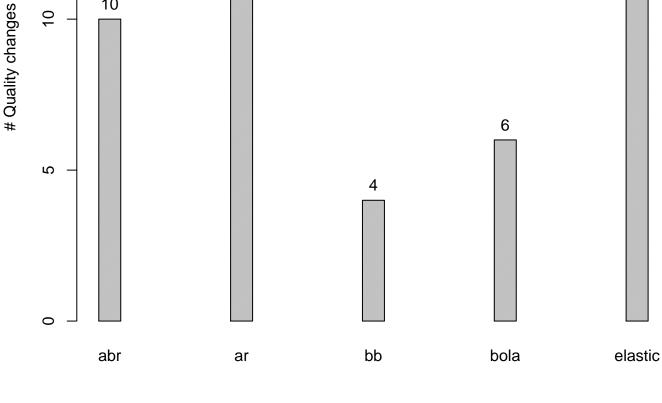
Network profile: p1 Sample: t1 Metric: # quality change Buffer: 240 min: bb



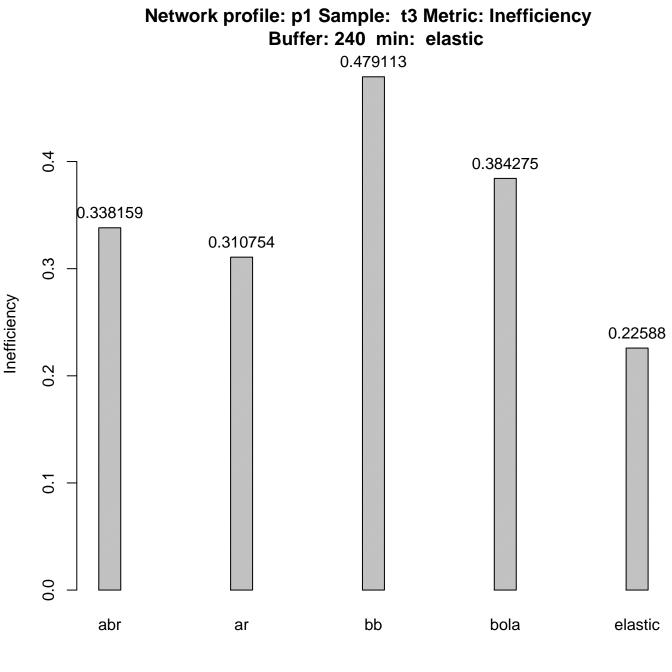
Network profile: p1 Sample: t2 Metric: Avg-Bitrate Buffer: 240 max: ar 3256.79 3245.98 3161.85 3000 2903.29 2500 2023.57 2000 Kbps 1500 1000 500 bola elastic abr bb ar

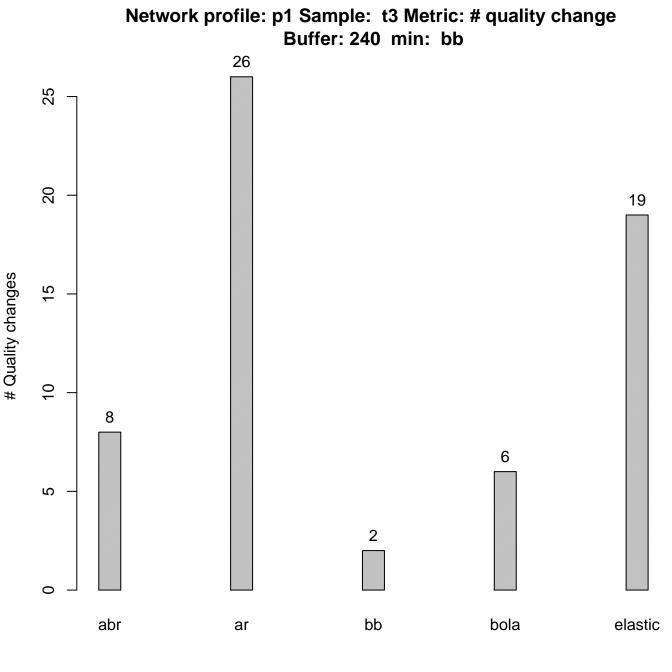


## Network profile: p1 Sample: t2 Metric: # quality change Buffer: 240 min: bb



Network profile: p1 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: bb 3385.77 3274.04 3157.22 3078.48 3000 2500 2000 Kbps 1659.68 1500 1000 500 bb bola elastic abr ar





Network profile: p1 Sample: t4 Metric: Avg-Bitrate Buffer: 240 max: elastic 3365.47 3201.75 3000 2897.21 2690.17 2500 2000 Kbps 1576.46 1500 1000 500

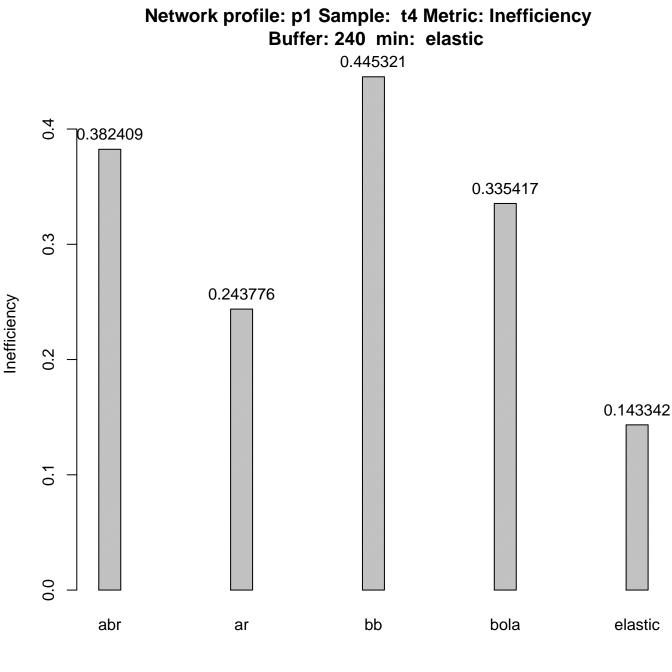
bb

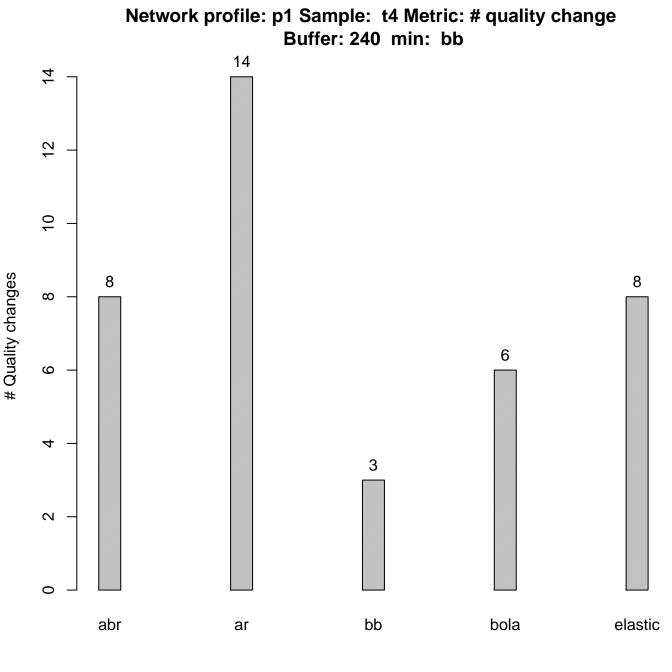
ar

abr

bola

elastic





Network profile: p1 Sample: t5 Metric: Avg-Bitrate
Buffer: 240 max: elastic

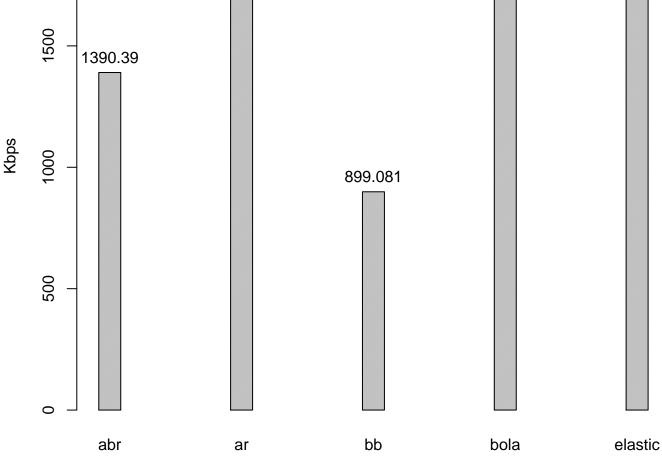
2114.1

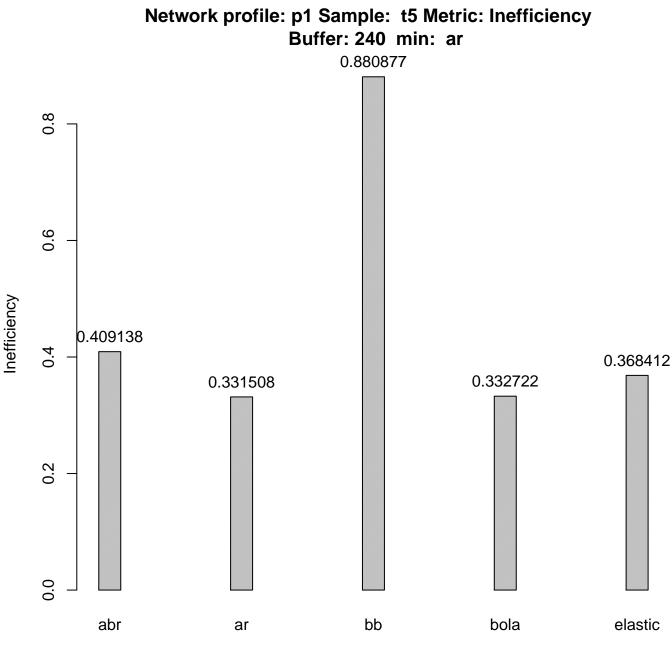
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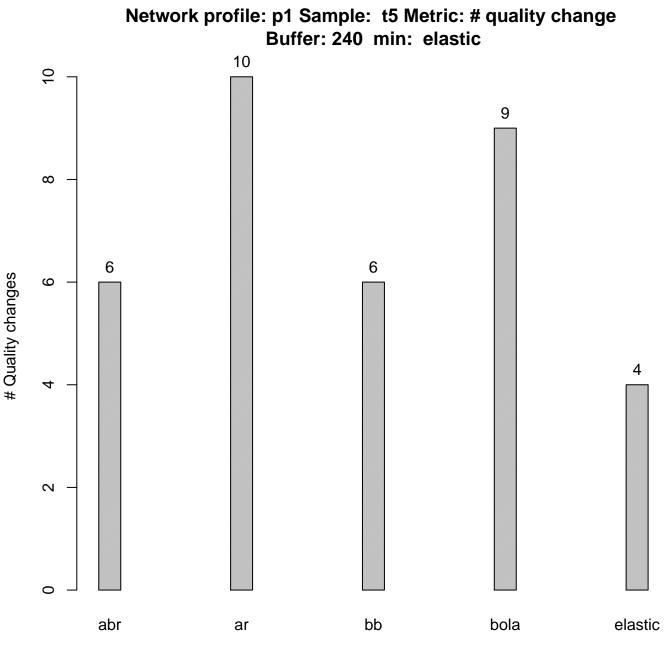
1753.6

90.39

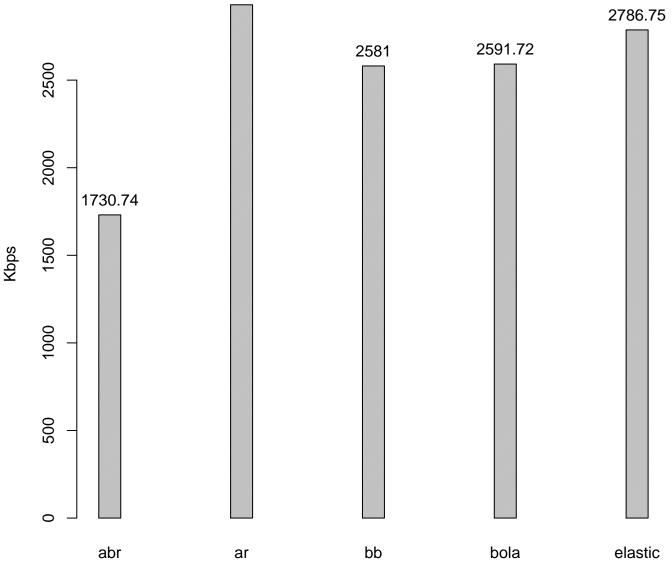
2000

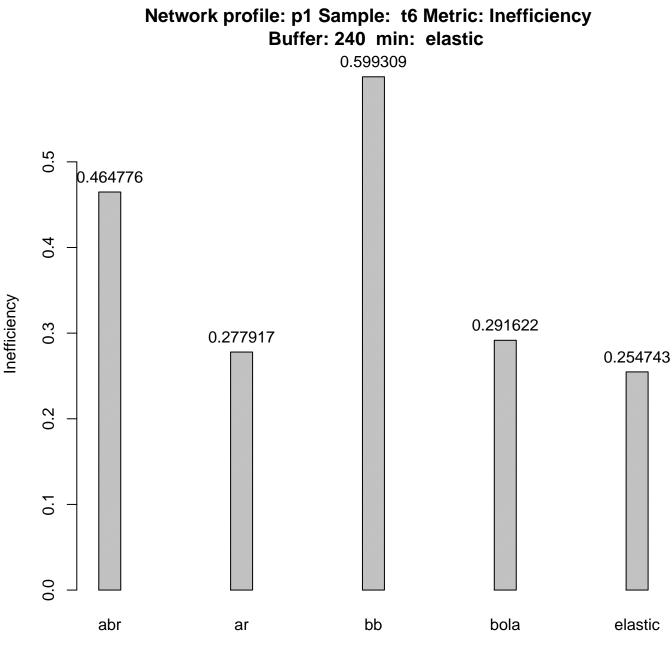


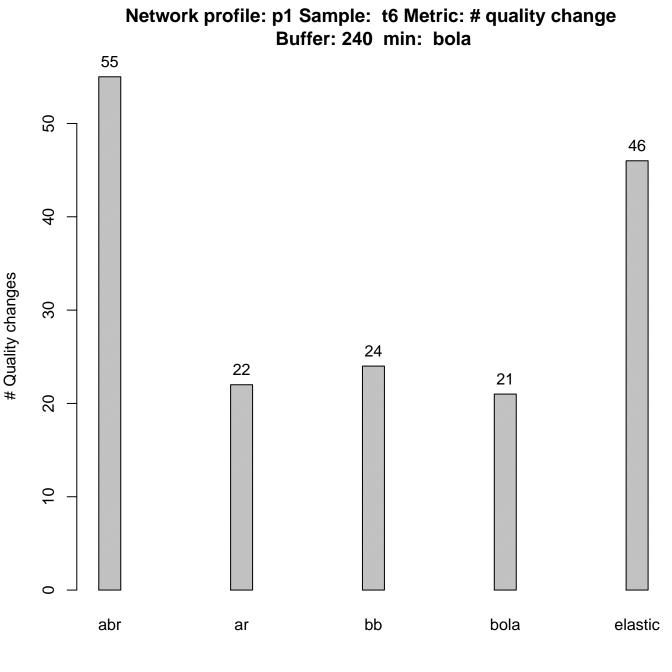




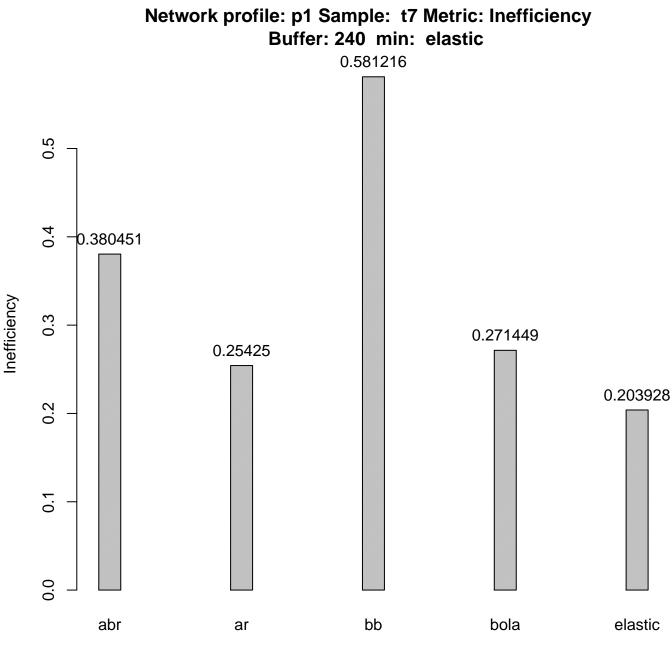
Network profile: p1 Sample: t6 Metric: Avg-Bitrate
Buffer: 240 max: ar
2930.08



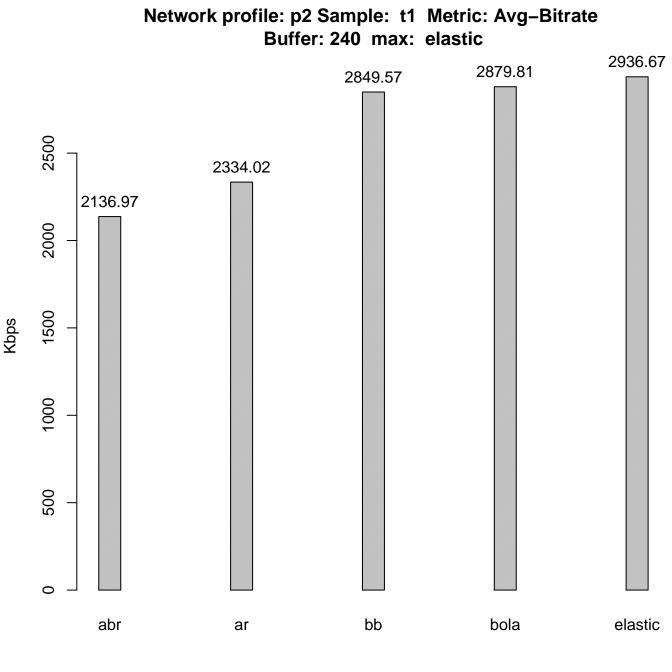


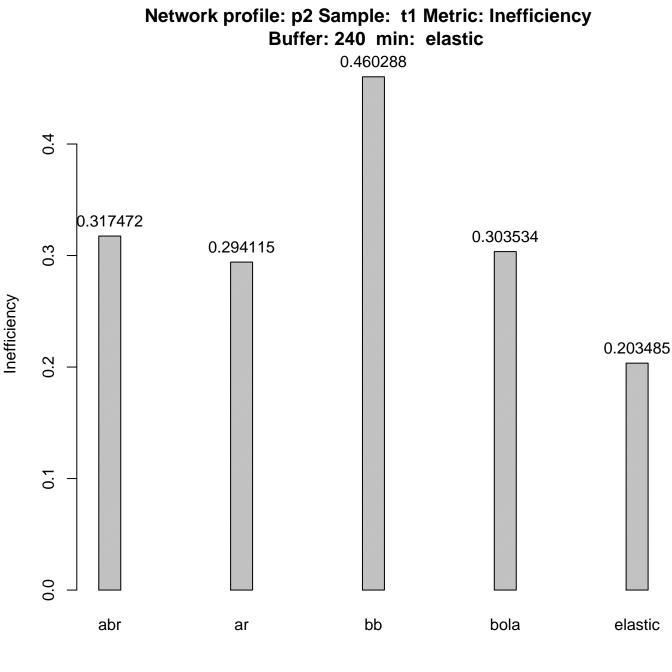


Network profile: p1 Sample: t7 Metric: Avg-Bitrate Buffer: 240 max: bola 2657.71 2664 2657.37 2523.29 2500 2466.26 2000 1500 1000 500 bola elastic abr bb ar

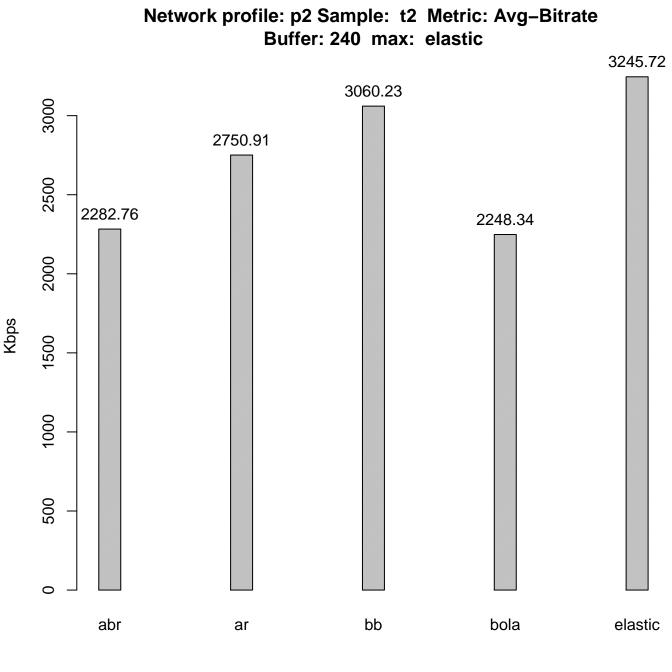


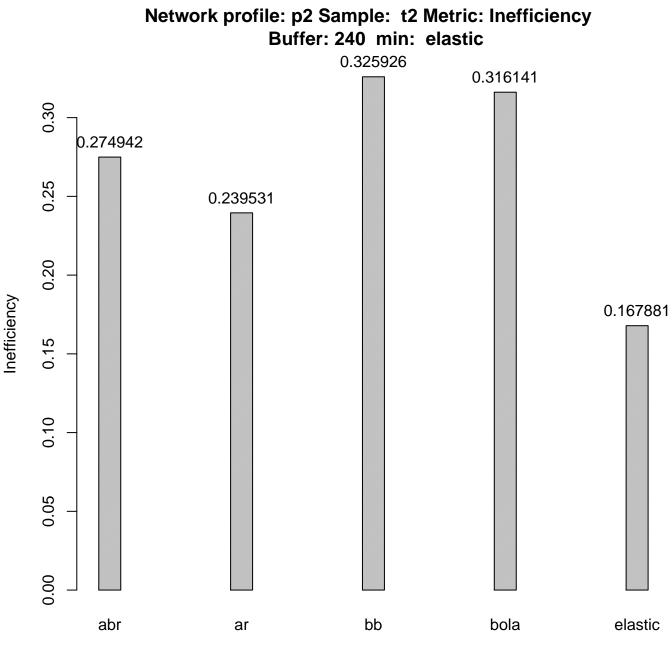
Network profile: p1 Sample: t7 Metric: # quality change Buffer: 240 min: bb 47 4 30 30 # Quality changes 20 18 18 10 7 abr bb bola elastic ar

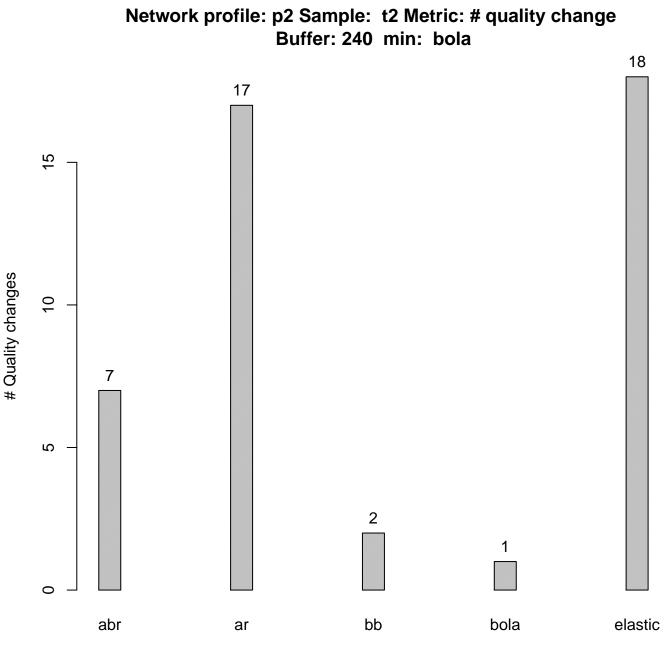


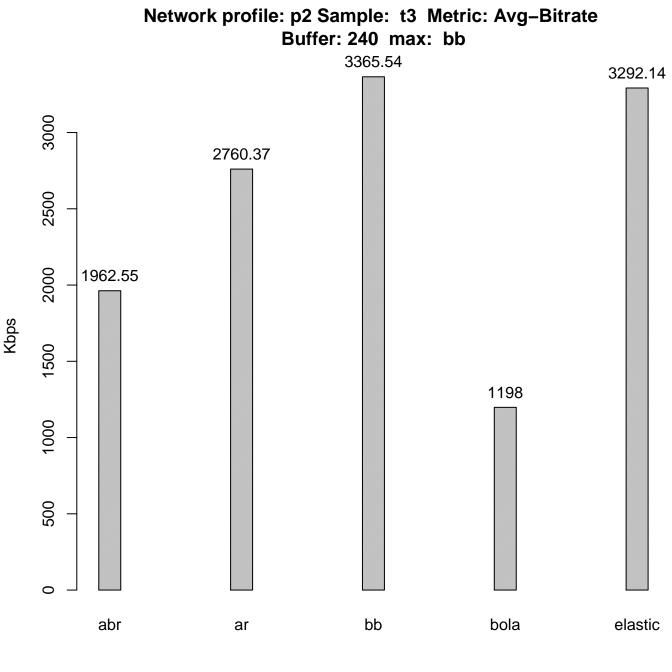


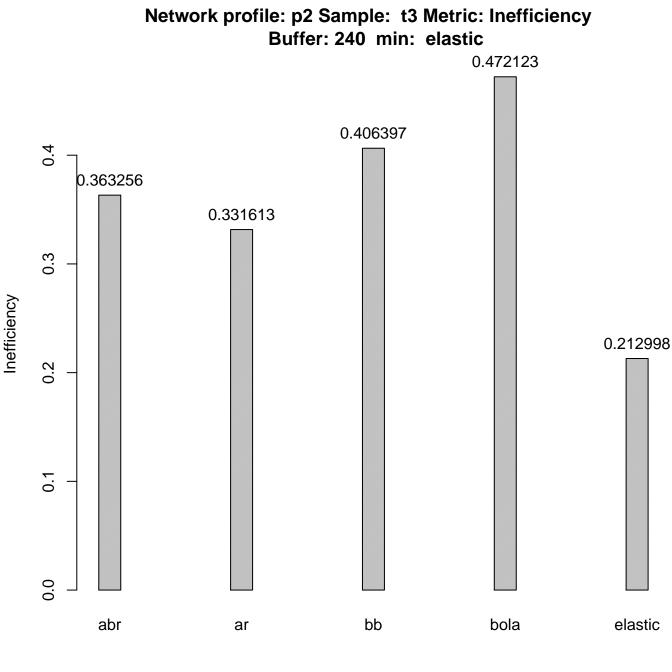
Network profile: p2 Sample: t1 Metric: # quality change Buffer: 240 min: bb 36 35 30 30 25 # Quality changes 20 15 11 10 5 2 2 abr bb bola elastic ar

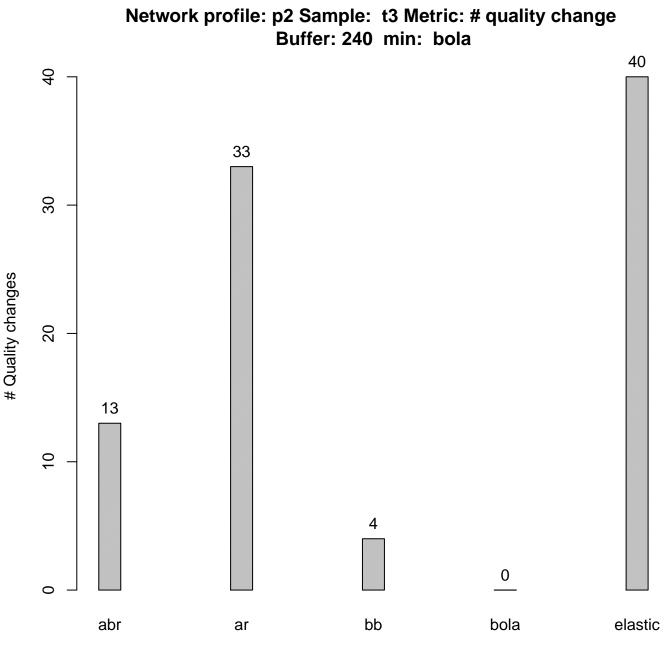




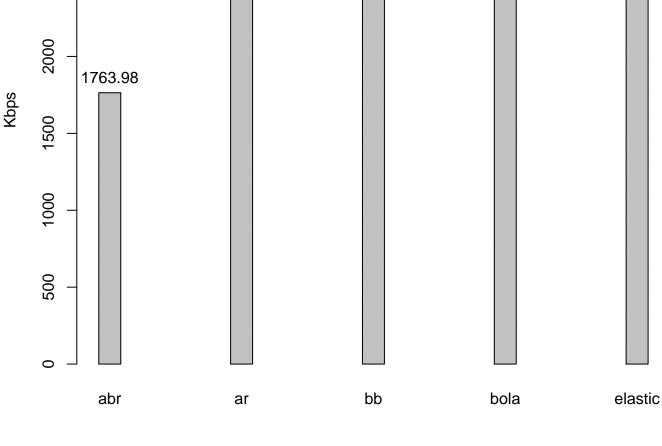


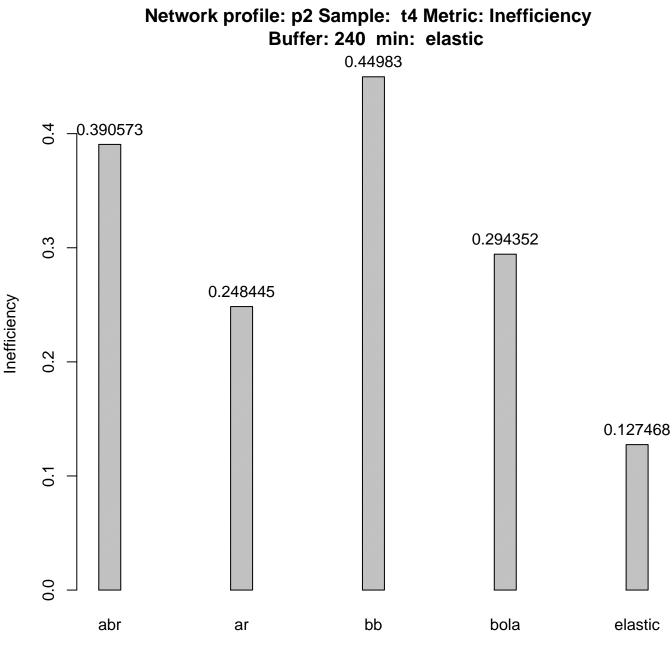


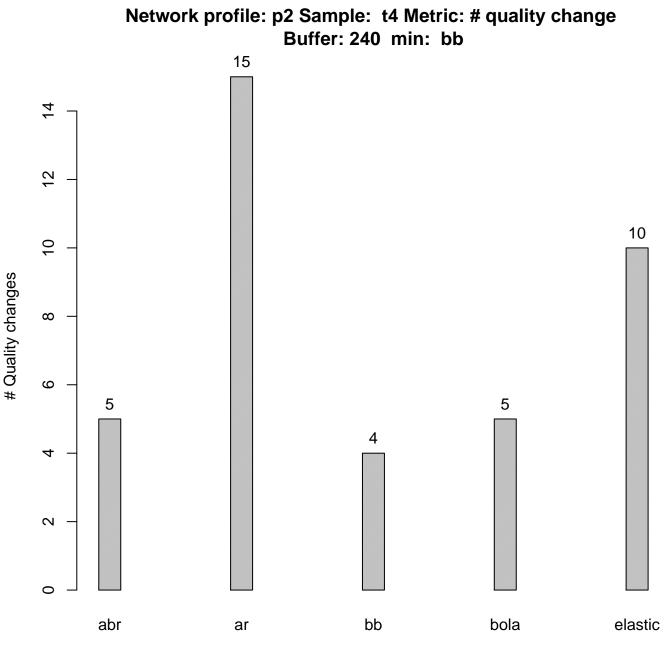




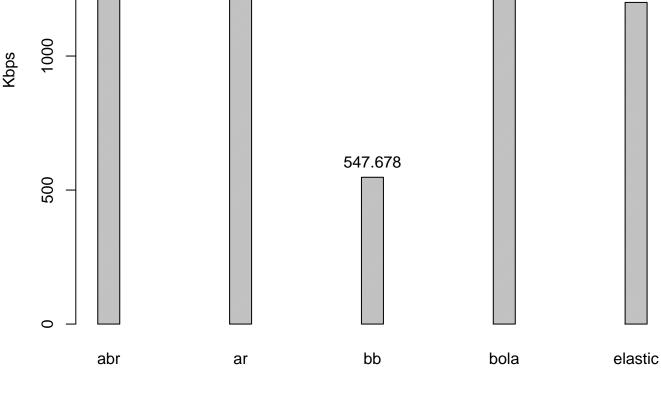
Network profile: p2 Sample: t4 Metric: Avg-Bitrate Buffer: 240 max: bb 3336.85 3184.9 3000 2872.66 2767.53 2500 2000 1763.98 1500

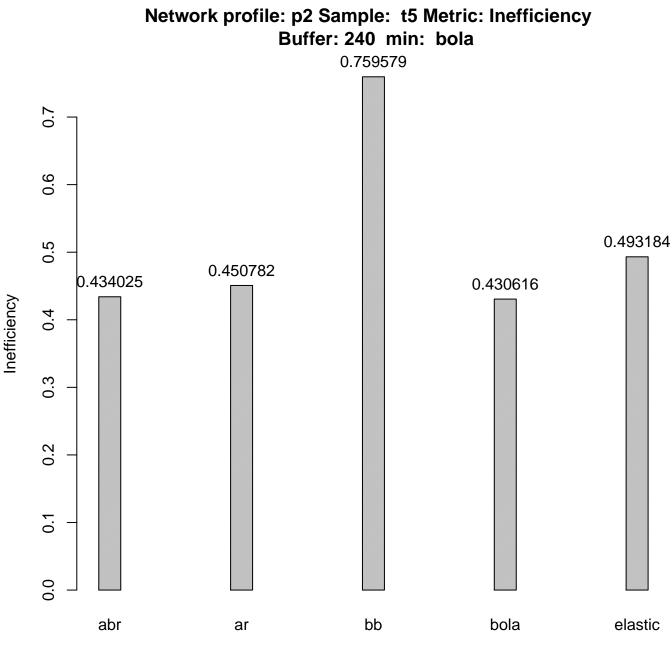




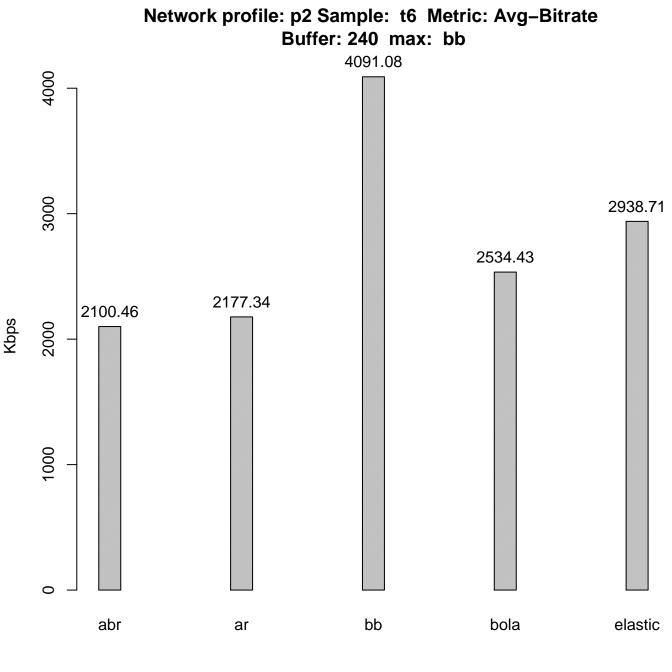


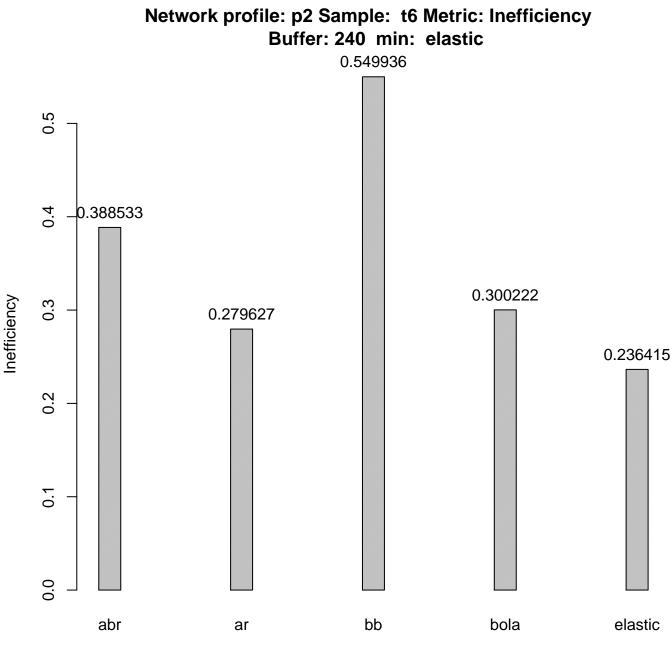
Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 240 max: ar 1914.97 1840.93 1839.93 1500 1200.02 547.678 500

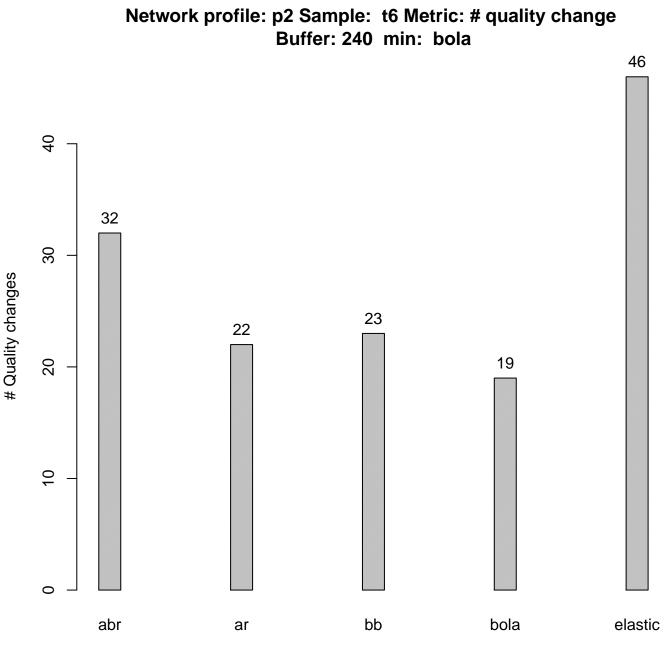




Network profile: p2 Sample: t5 Metric: # quality change Buffer: 240 min: abr 8  $\infty$ 9 5 # Quality changes 4 4 4  $^{\circ}$ abr bb bola elastic ar

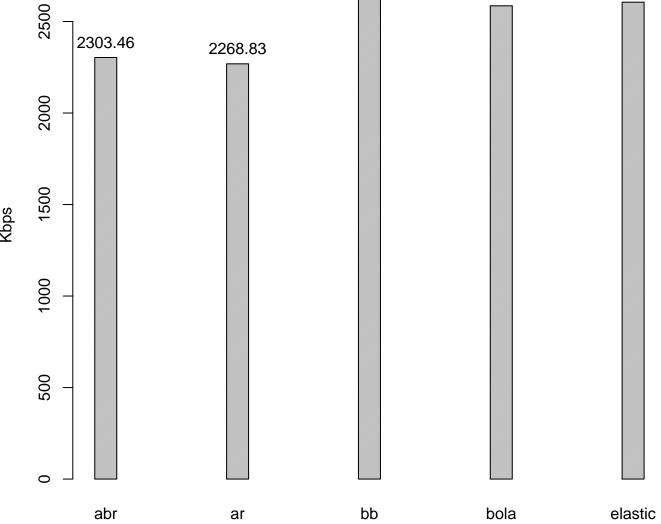


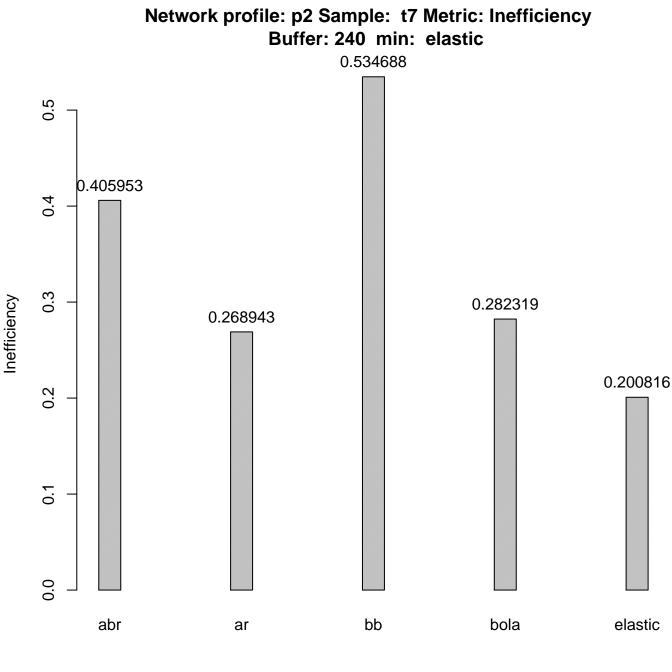




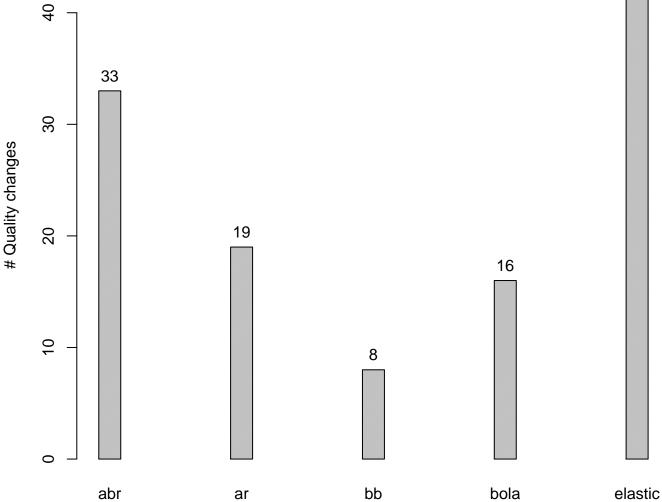
Network profile: p2 Sample: t7 Metric: Avg-Bitrate
Buffer: 240 max: bb
2804.4

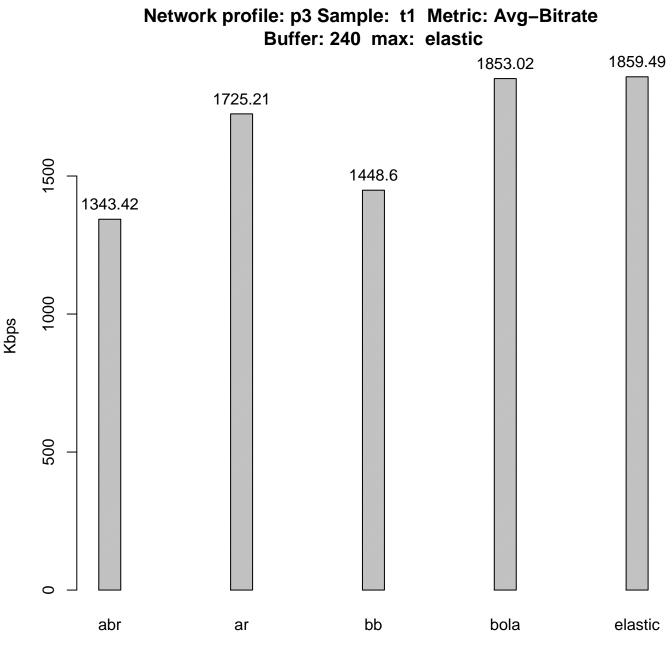
2585.79
2605.61

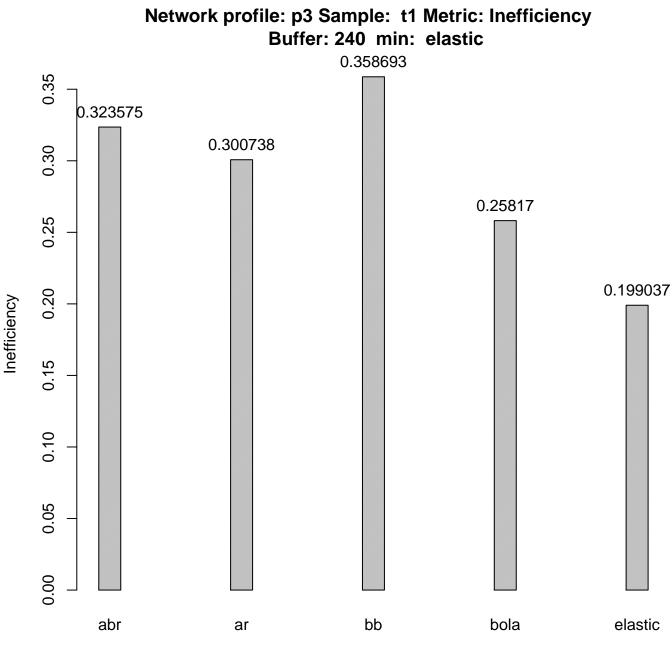




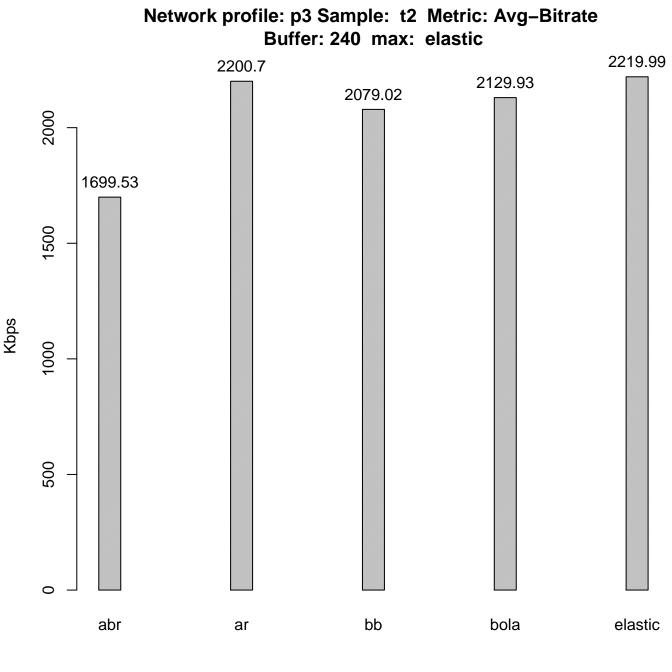
Network profile: p2 Sample: t7 Metric: # quality change
Buffer: 240 min: bb

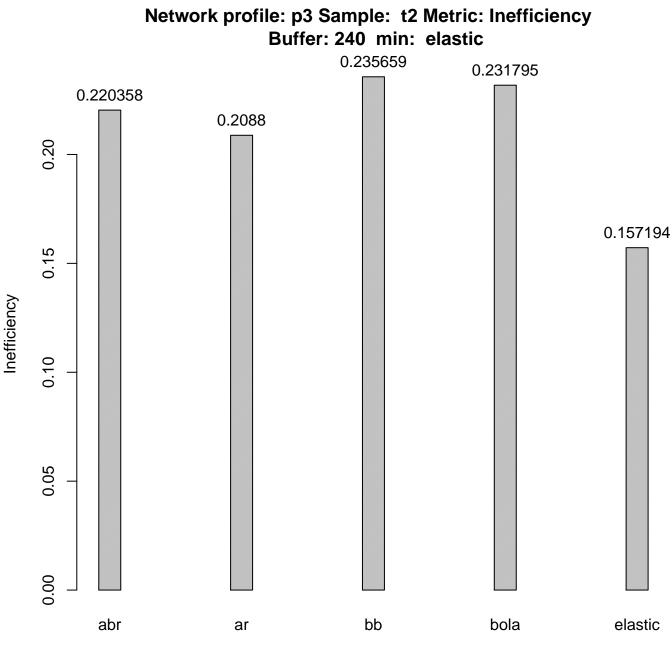


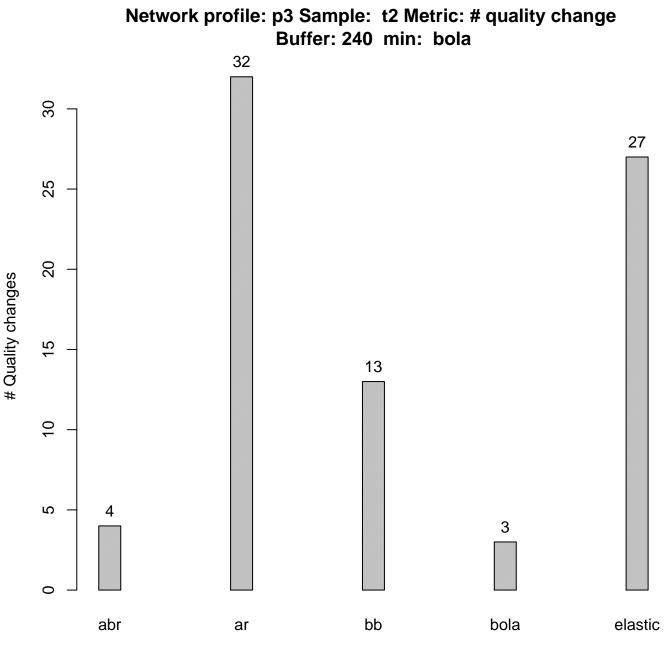




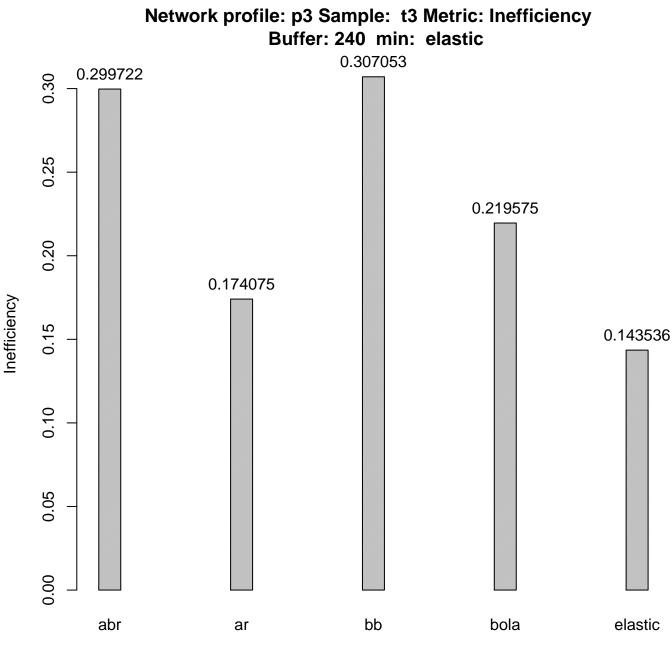
Network profile: p3 Sample: t1 Metric: # quality change Buffer: 240 min: bb 49 40 30 # Quality changes 27 20 12 10 10 abr bb bola elastic ar







Network profile: p3 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: ar 2682.42 2500 2305.47 2154.28 2000 1882.41 1500 1321.73 1000 500 bb bola elastic abr ar



Network profile: p3 Sample: t3 Metric: # quality change Buffer: 240 min: bb 67 9 50 # Quality changes 40 36 30 22 20 10 5 5

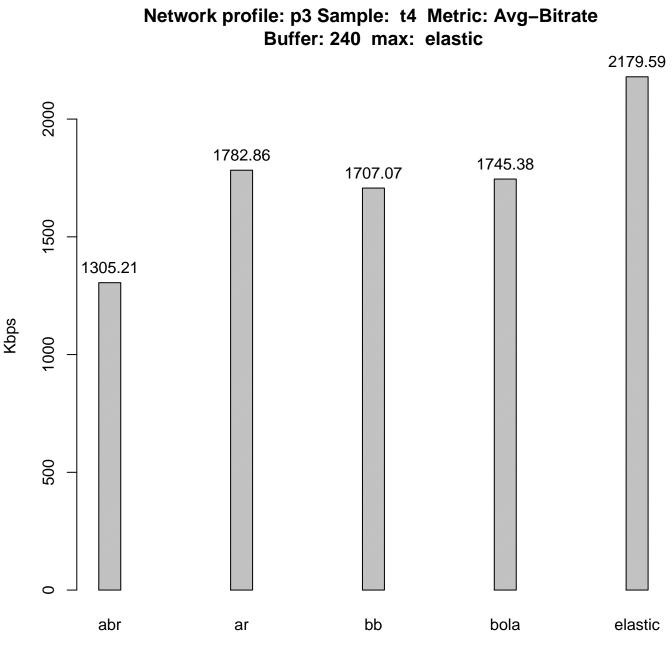
bb

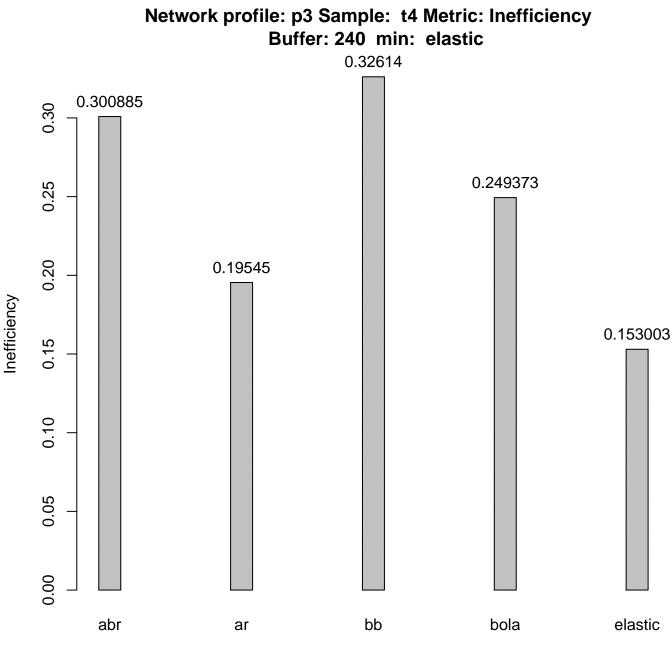
ar

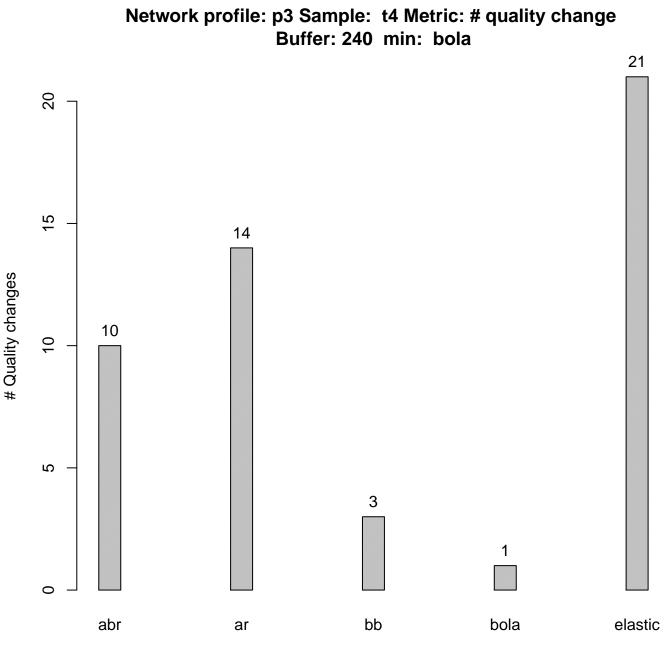
abr

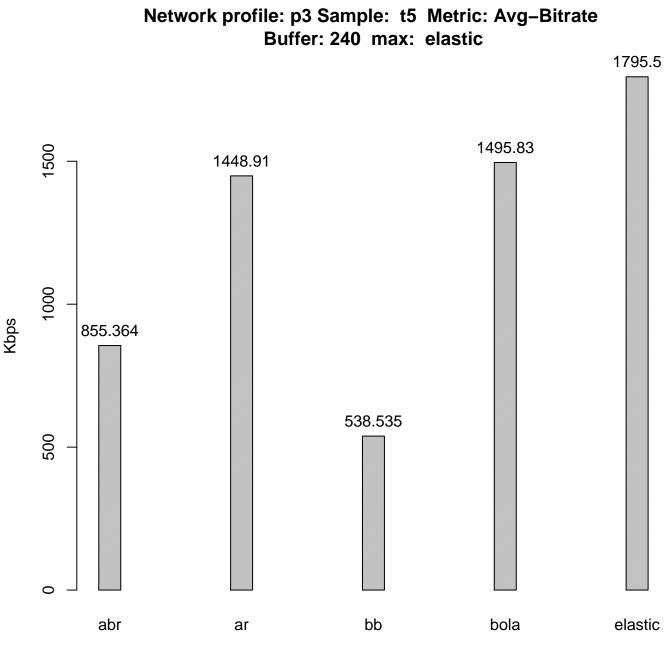
elastic

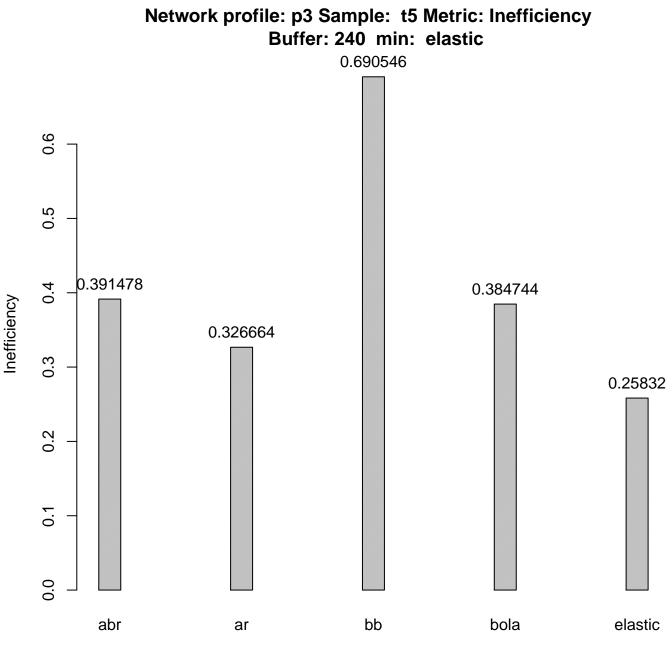
bola



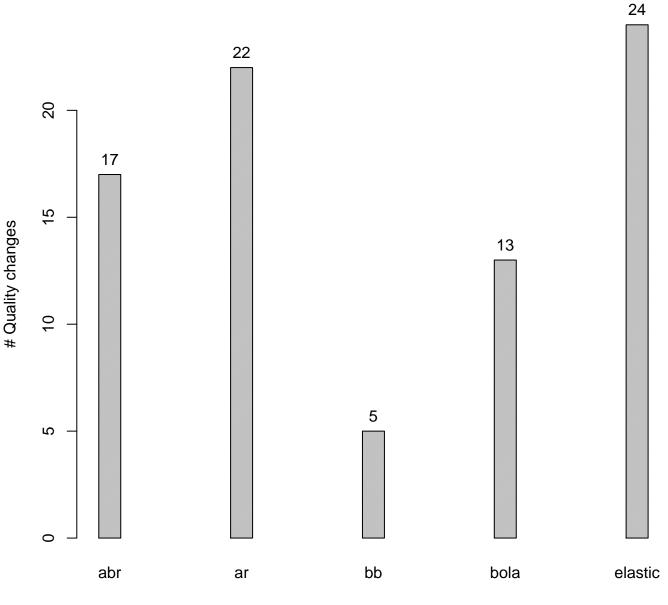


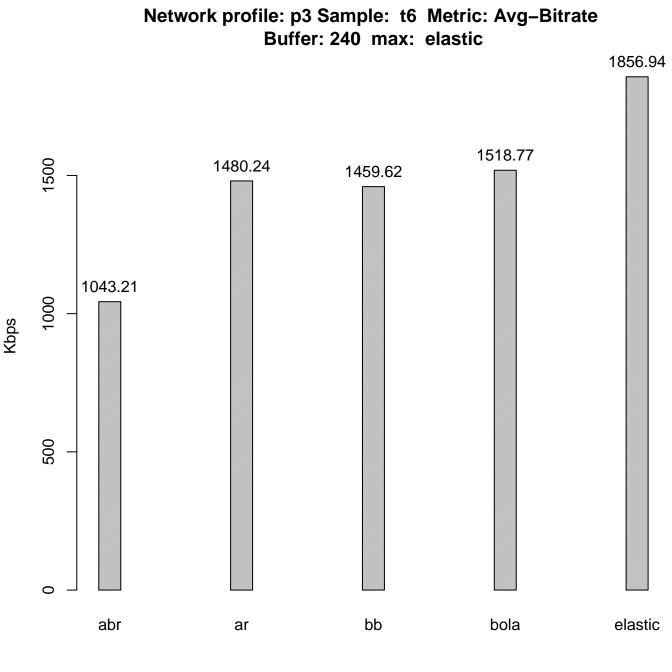


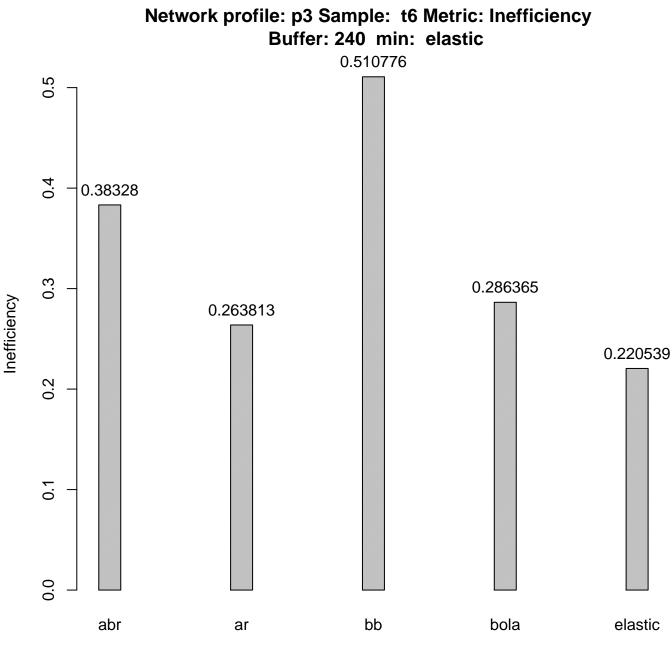




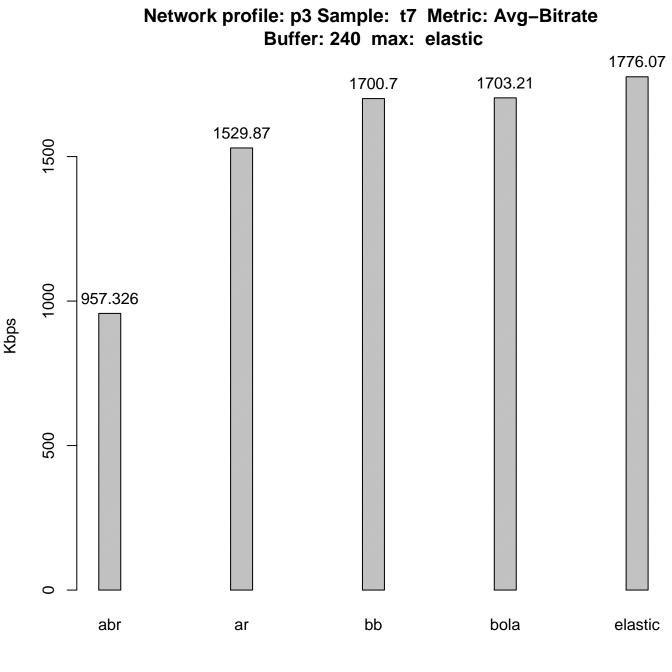
Network profile: p3 Sample: t5 Metric: # quality change Buffer: 240 min: bb

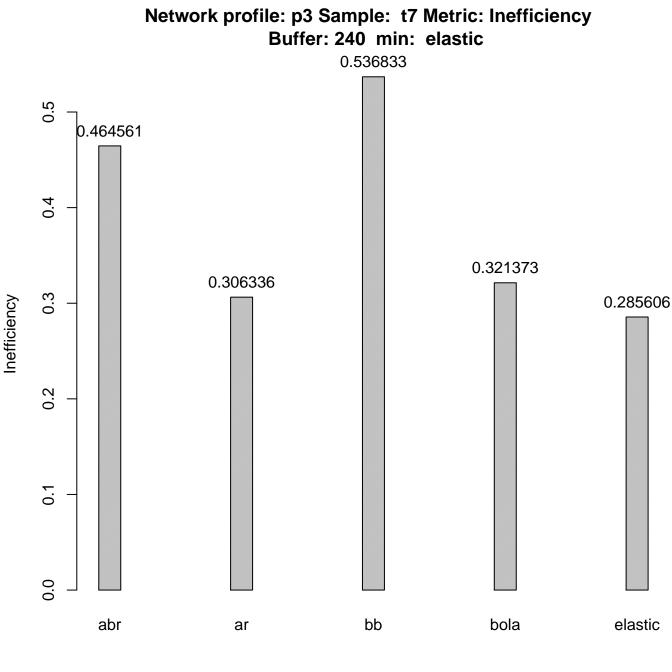




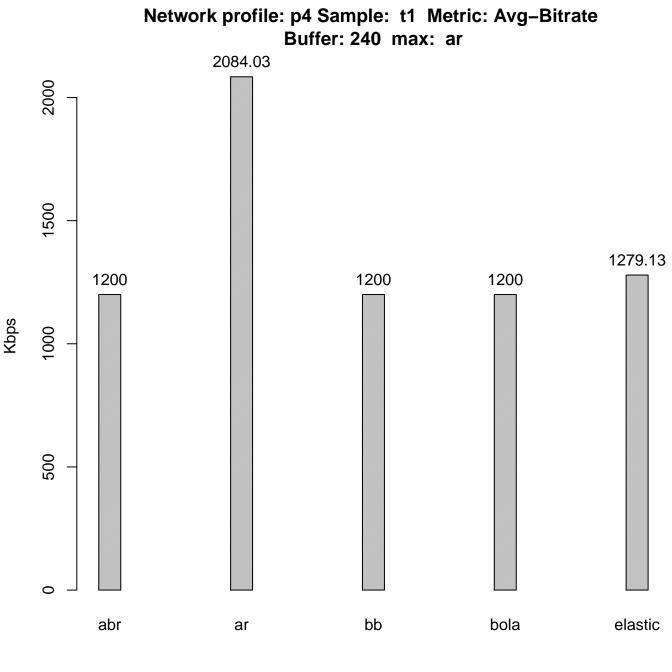


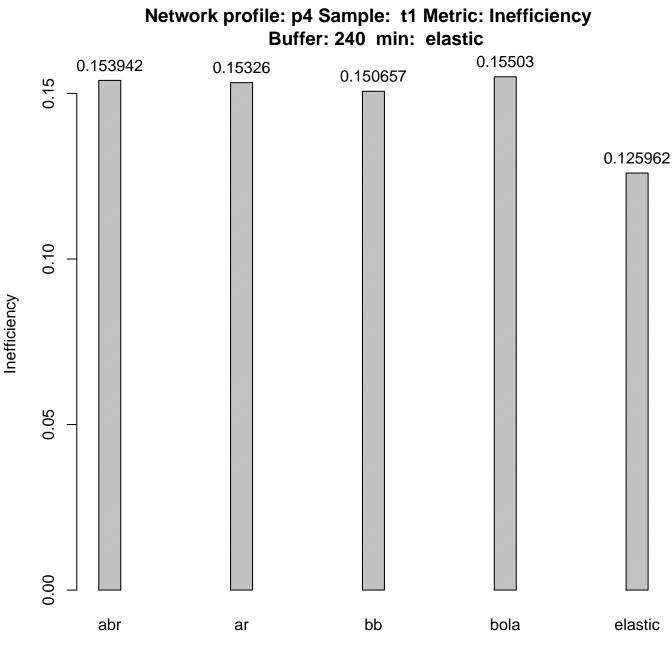
Network profile: p3 Sample: t6 Metric: # quality change Buffer: 240 min: bb 119 80 # Quality changes 63 9 52 40 36 20 16 bola abr bb elastic ar

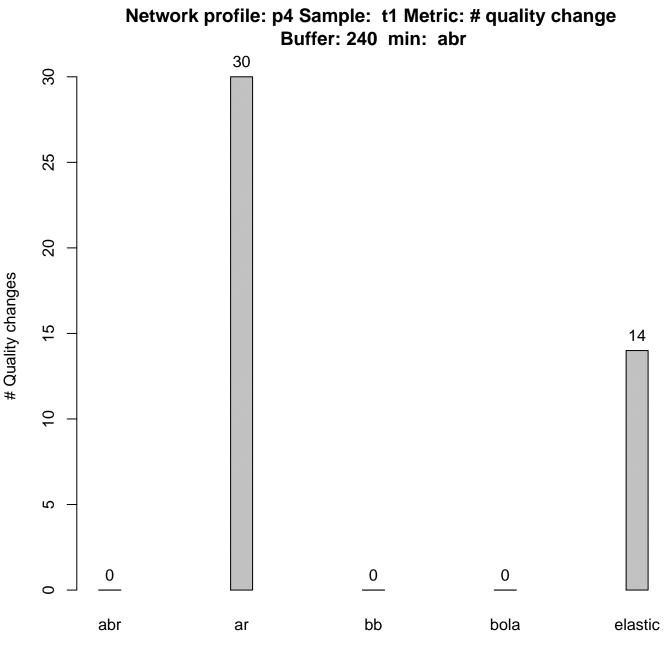


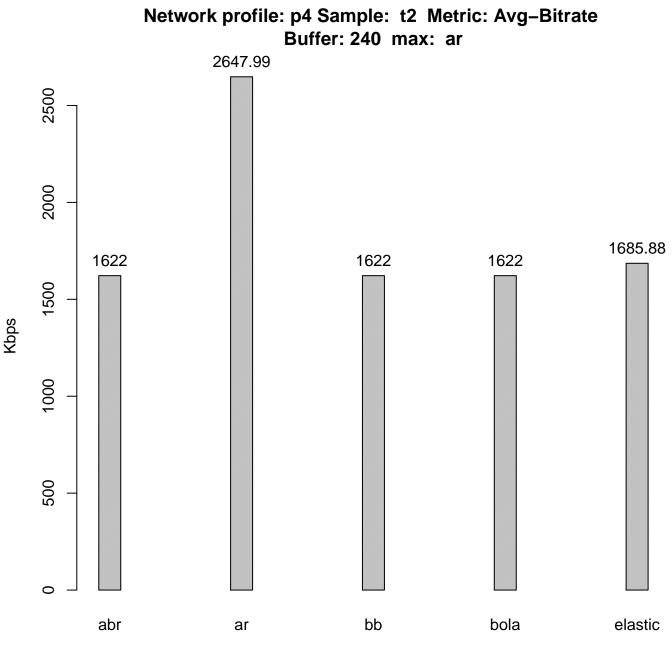


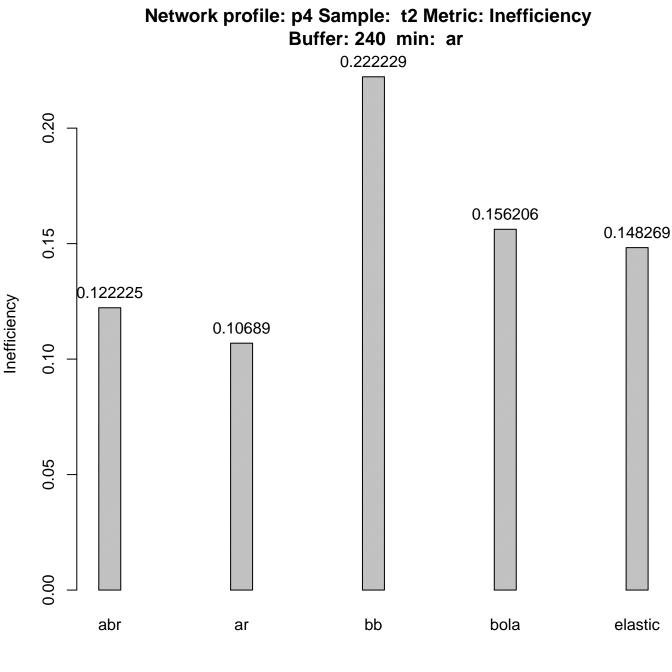
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 240 min: bb 111 100 80 # Quality changes 9 50 47 40 20 16 8 bola abr bb elastic ar

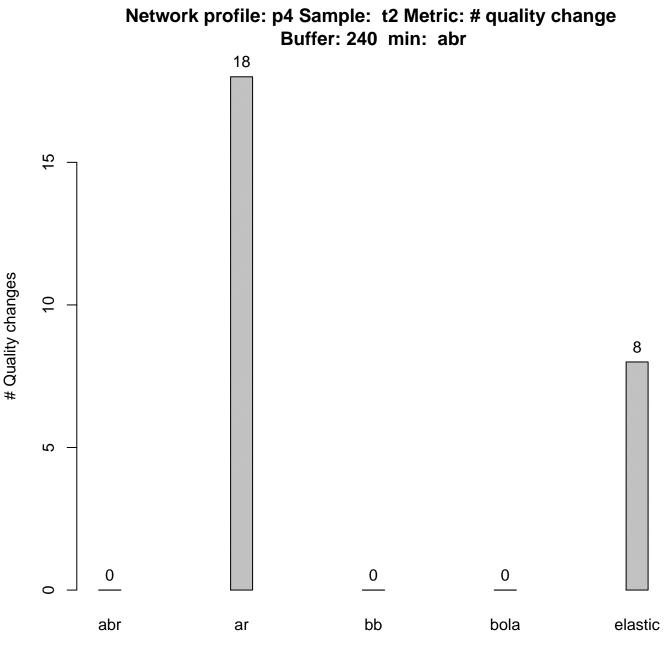


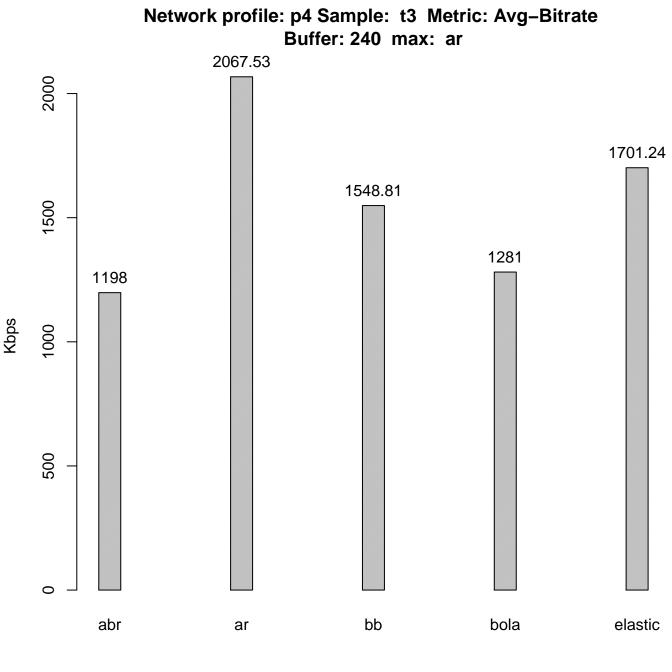






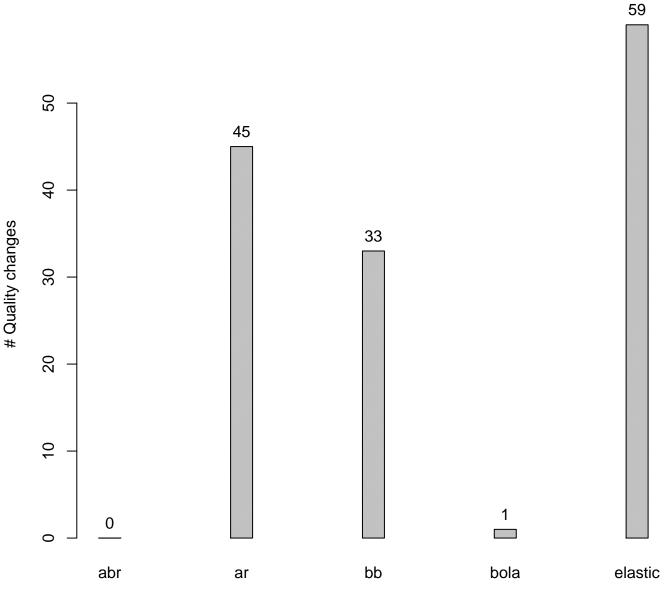


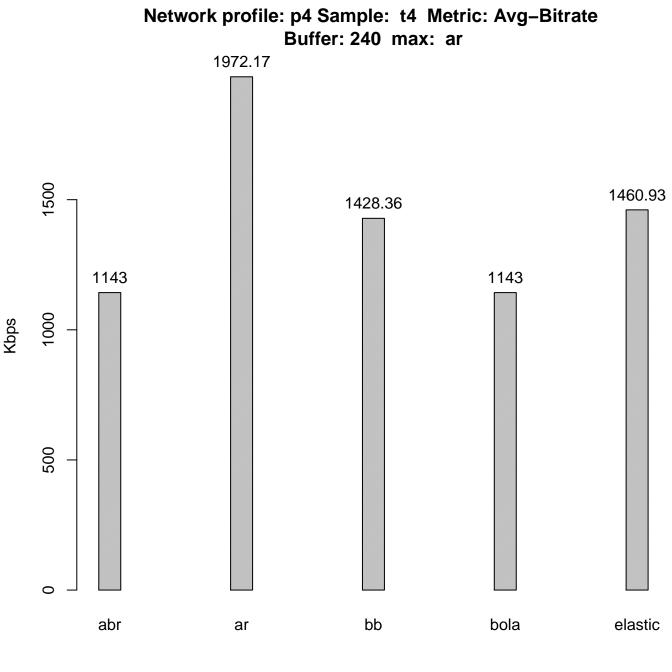




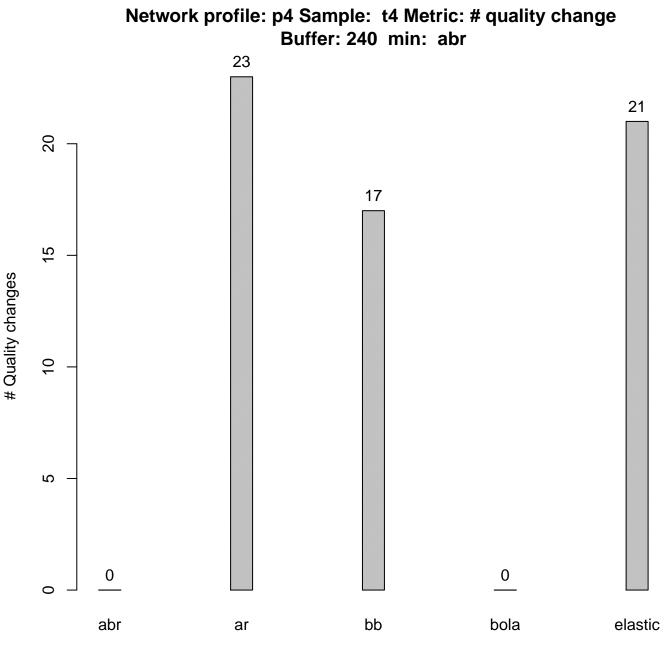
Network profile: p4 Sample: t3 Metric: Inefficiency Buffer: 240 min: abr 0.157801 0.15 0.127544 0.11789 0.110167 0.107671 0.10 Inefficiency 0.05 bola elastic abr bb ar

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





Network profile: p4 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.132162 0.129197 0.12 <del>-</del>0.115572 0.114813 0.10852 0.10 0.08 Inefficiency 90.0 0.04 0.02 bola elastic abr bb ar



Network profile: p4 Sample: t5 Metric: Avg-Bitrate Buffer: 240 max: elastic 922.491 814.067 744.809 675.225 009 492.046 200

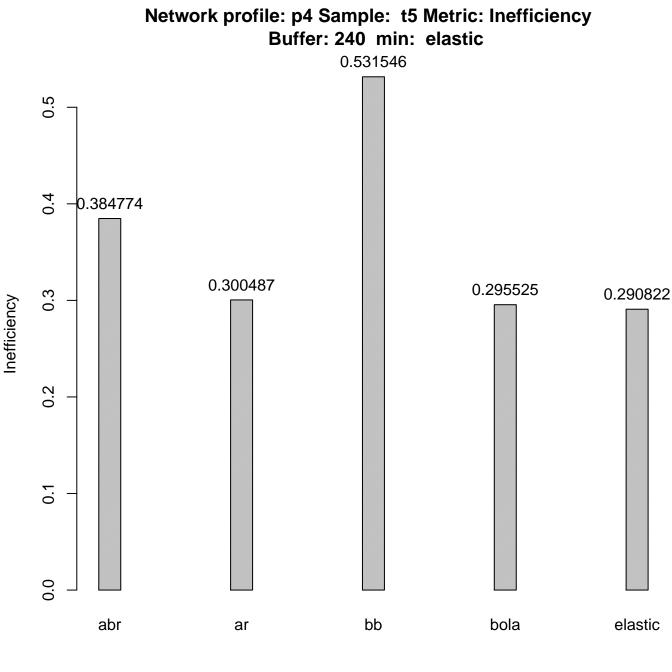
bb

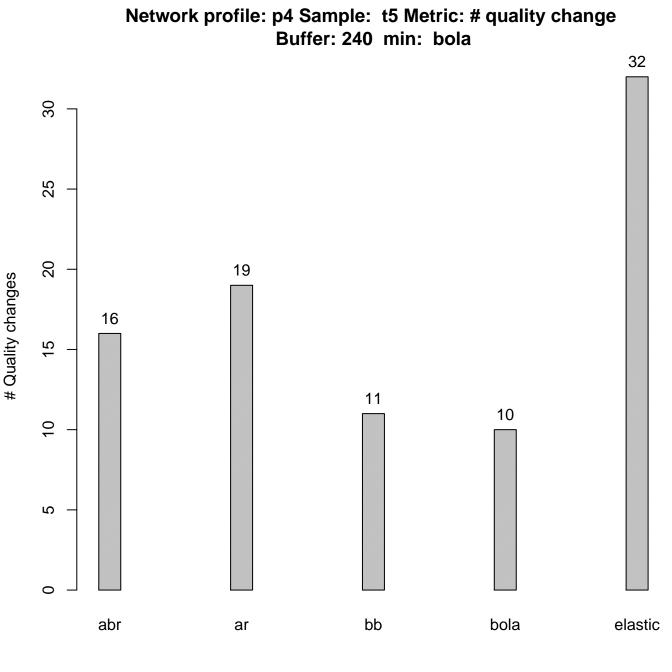
ar

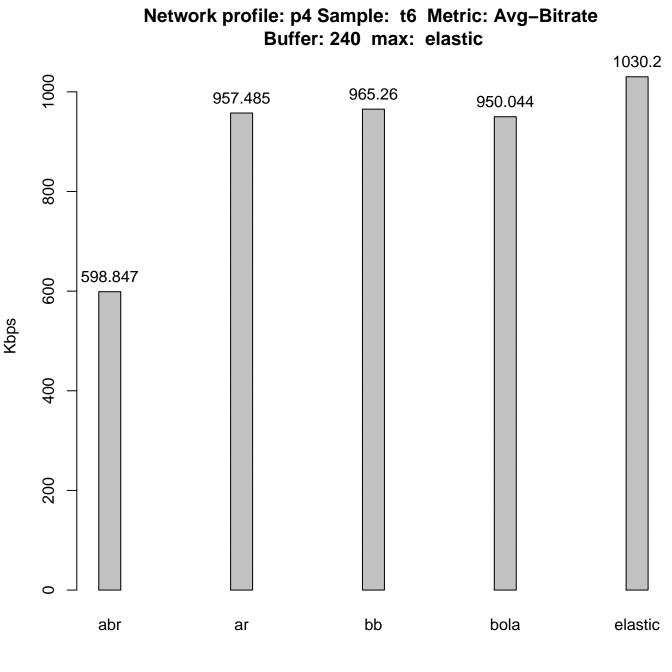
abr

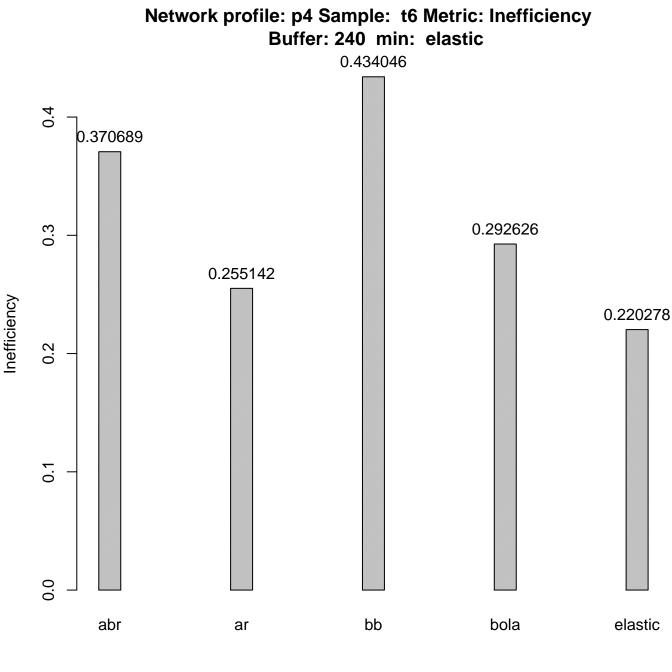
bola

elastic

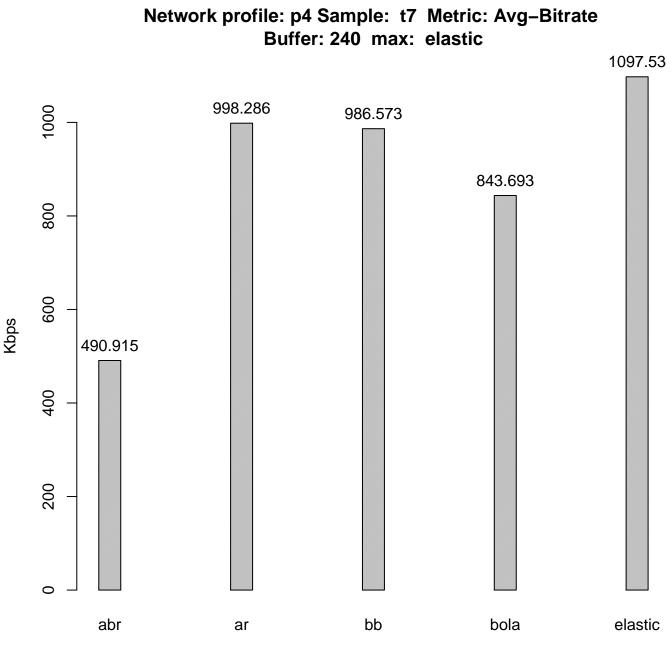


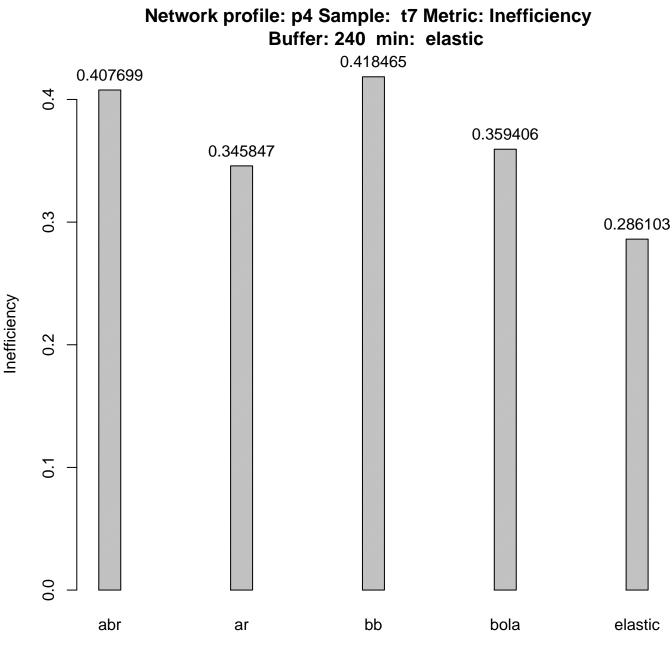






Network profile: p4 Sample: t6 Metric: # quality change Buffer: 240 min: bb 124 120 100 80 # Quality changes 64 63 9 42 4 20 13 bola abr bb elastic ar





Network profile: p4 Sample: t7 Metric: # quality change Buffer: 240 min: bb

90

