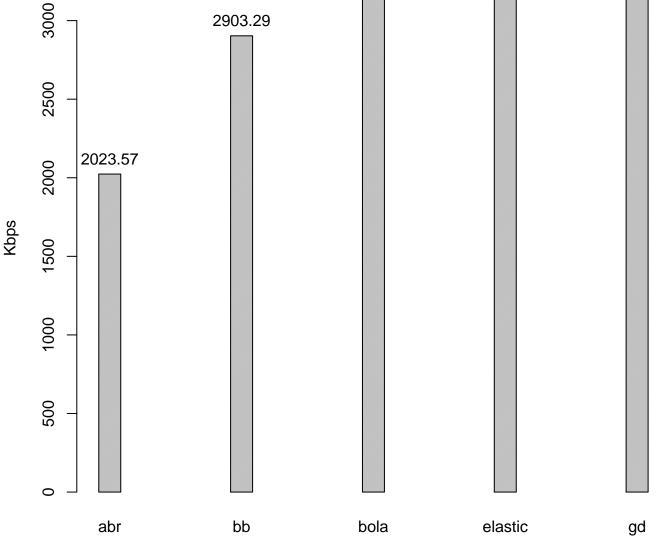
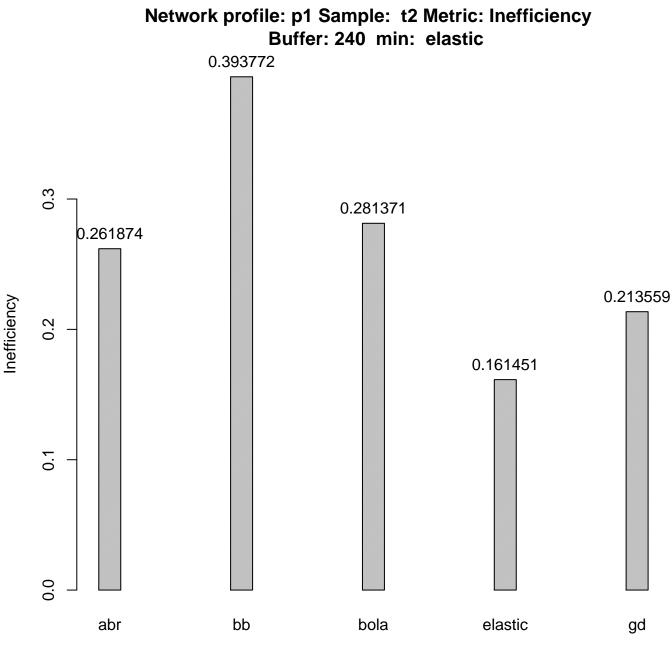


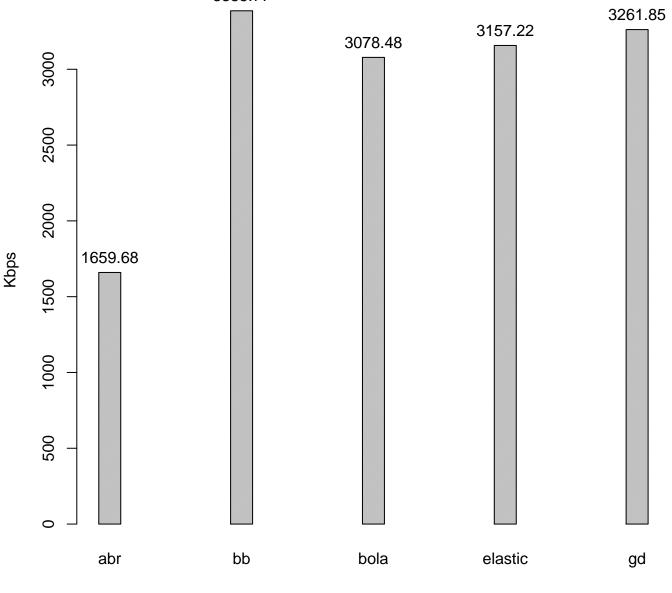
Network profile: p1 Sample: t1 Metric: # quality change Buffer: 240 min: bb 45 4 34 30 # Quality changes 20 10 8 6 elastic abr bb bola gd Network profile: p1 Sample: t2 Metric: Avg-Bitrate Buffer: 240 max: gd 3266.07 3245.98 3161.85 2903.29

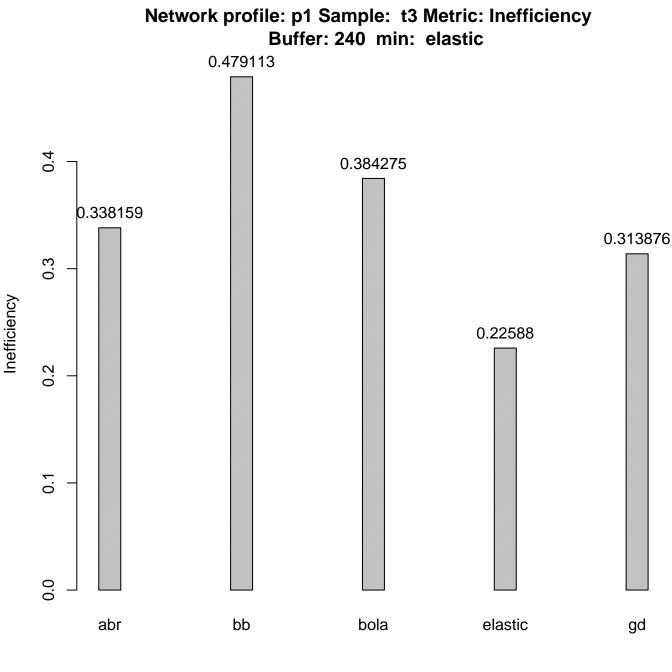




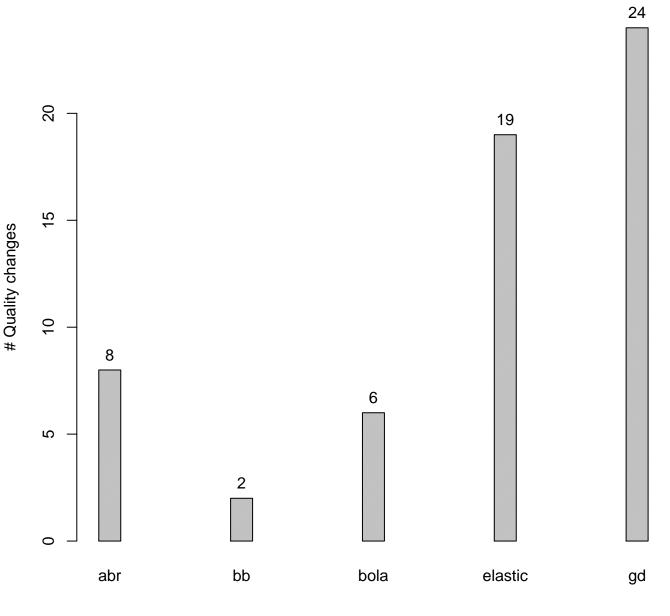
Network profile: p1 Sample: t2 Metric: # quality change Buffer: 240 min: bb 20 20 17 15 # Quality changes 10 10 6 2 4 elastic abr bb bola gd

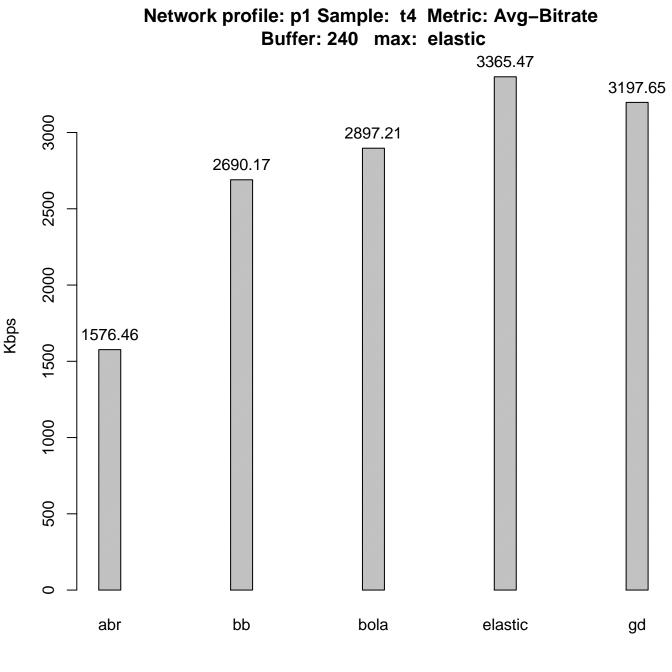
Network profile: p1 Sample: t3 Metric: Avg-Bitrate
Buffer: 240 max: bb
3385.77





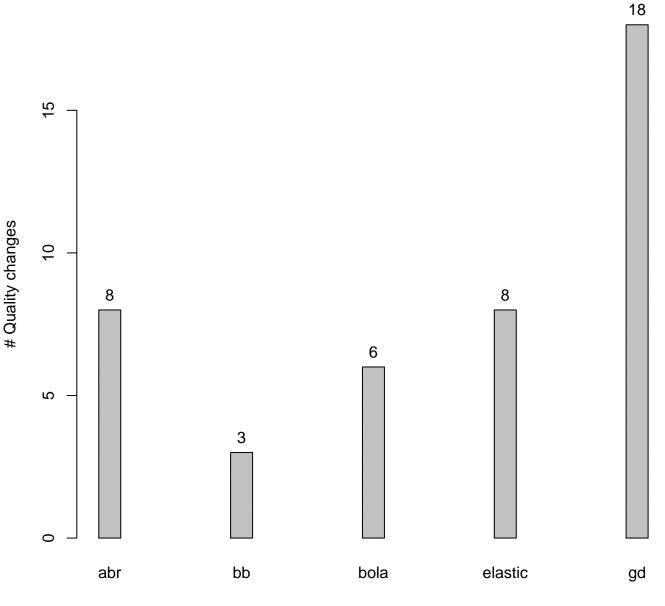
Network profile: p1 Sample: t3 Metric: # quality change Buffer: 240 min: bb

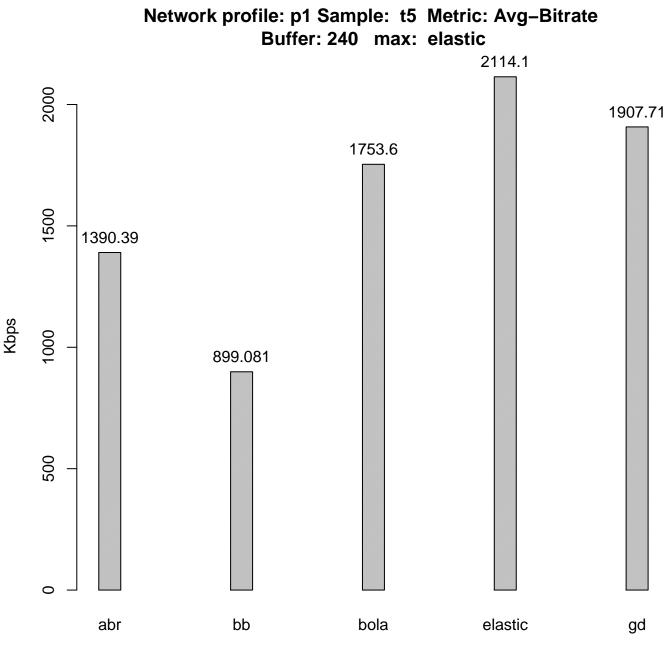


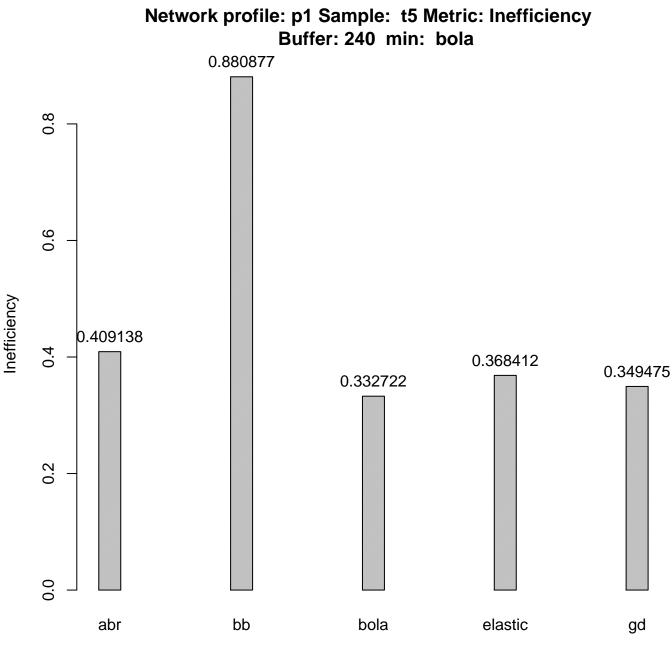


Network profile: p1 Sample: t4 Metric: Inefficiency Buffer: 240 min: elastic 0.445321 70.382409 0.335417 0.237903 Inefficiency 0.143342 bb bola elastic abr gd

Network profile: p1 Sample: t4 Metric: # quality change Buffer: 240 min: bb

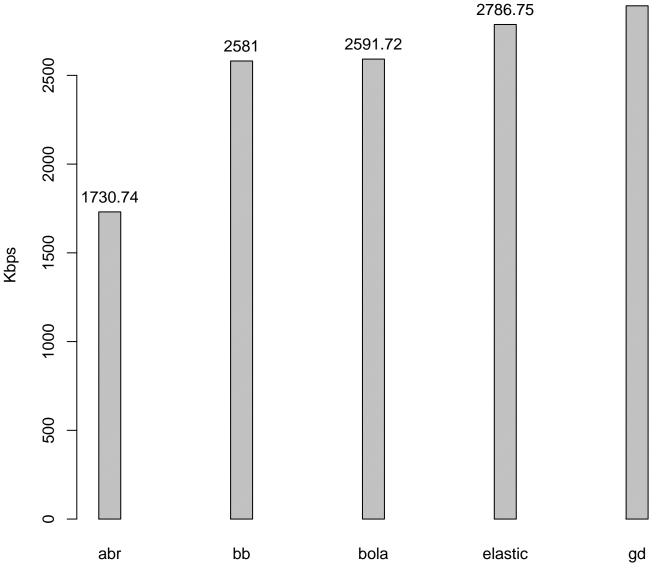


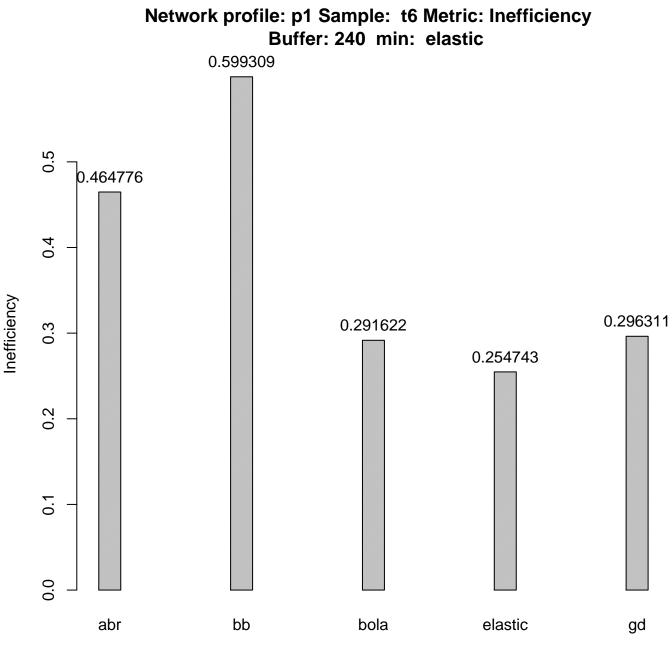




Network profile: p1 Sample: t5 Metric: # quality change Buffer: 240 min: elastic 8 ∞ 6 6 9 # Quality changes 4 α abr bb bola elastic gd Network profile: p1 Sample: t6 Metric: Avg-Bitrate Buffer: 240 max: gd

2891.98

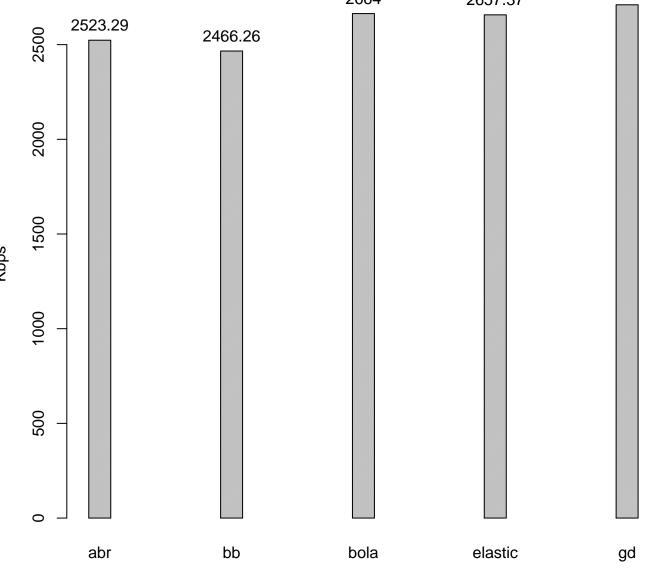


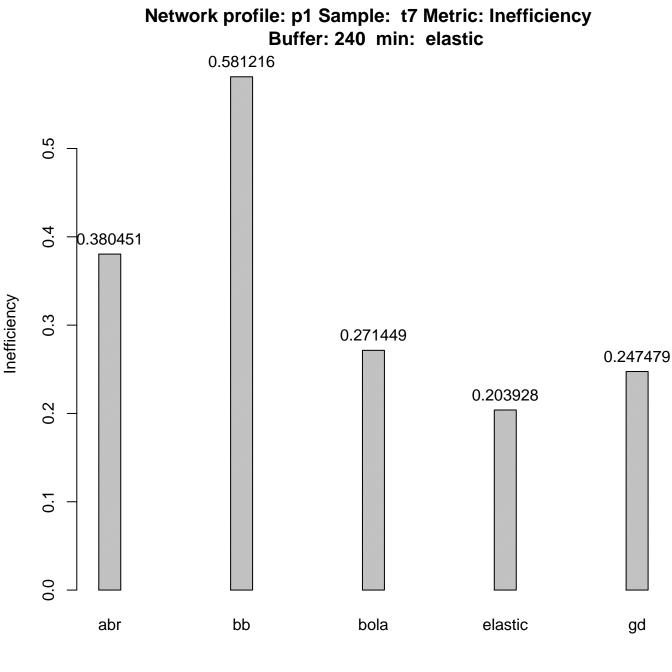


Network profile: p1 Sample: t6 Metric: # quality change Buffer: 240 min: bola 55 20 46 40 # Quality changes 30 24 22 21 20 10 abr bb bola elastic gd

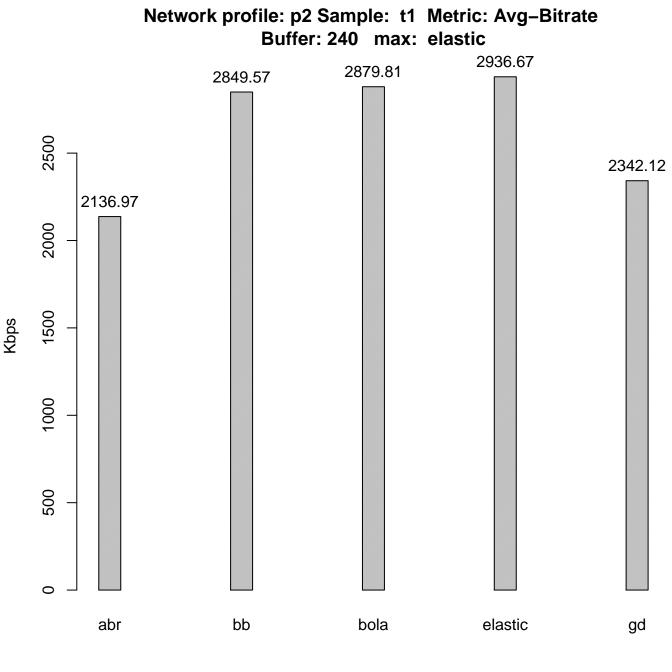
Network profile: p1 Sample: t7 Metric: Avg-Bitrate
Buffer: 240 max: gd

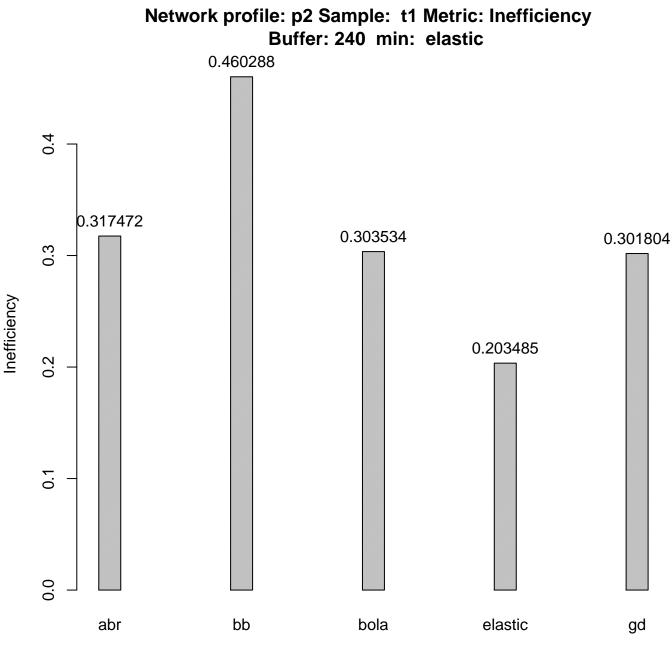
2664 2657.37 2710.38



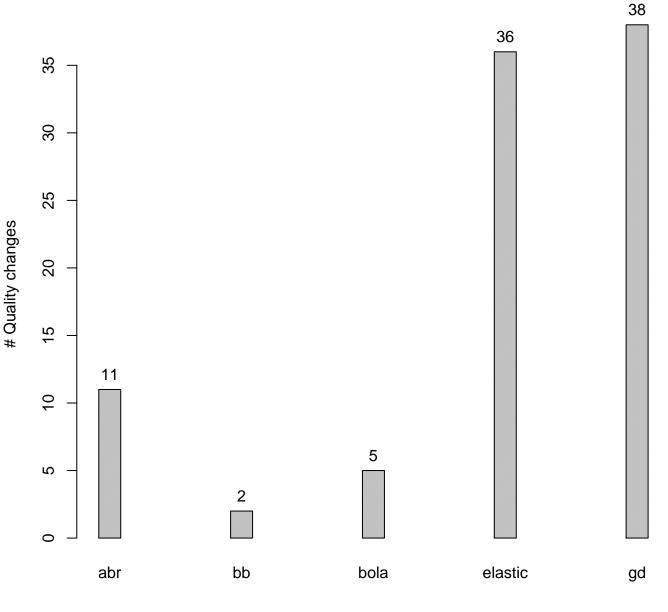


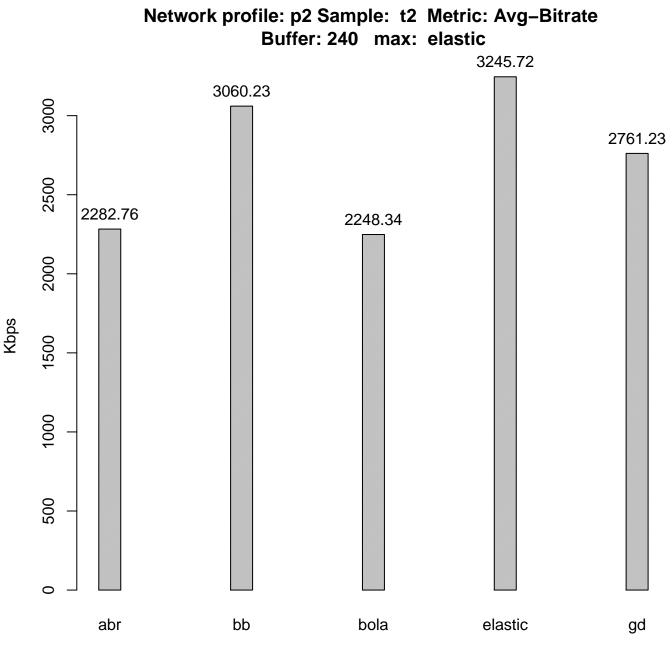
Network profile: p1 Sample: t7 Metric: # quality change Buffer: 240 min: bb 47 4 30 30 # Quality changes 20 18 16 10 7 abr bb bola elastic gd

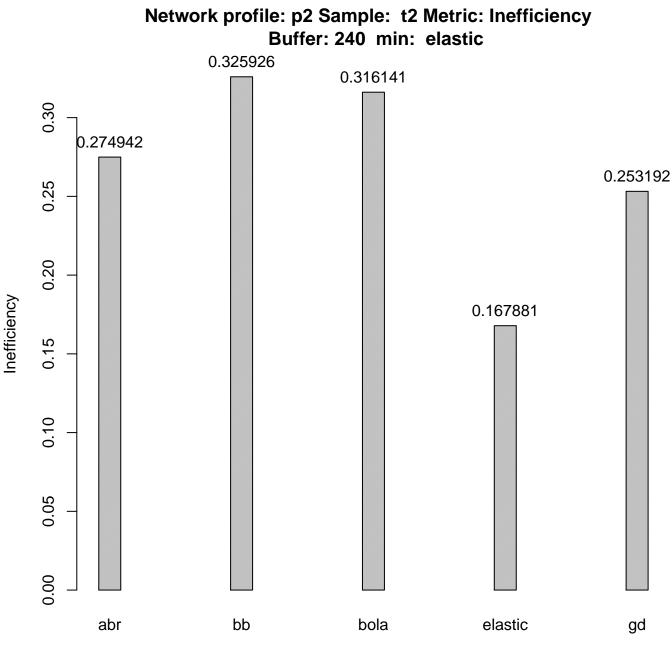




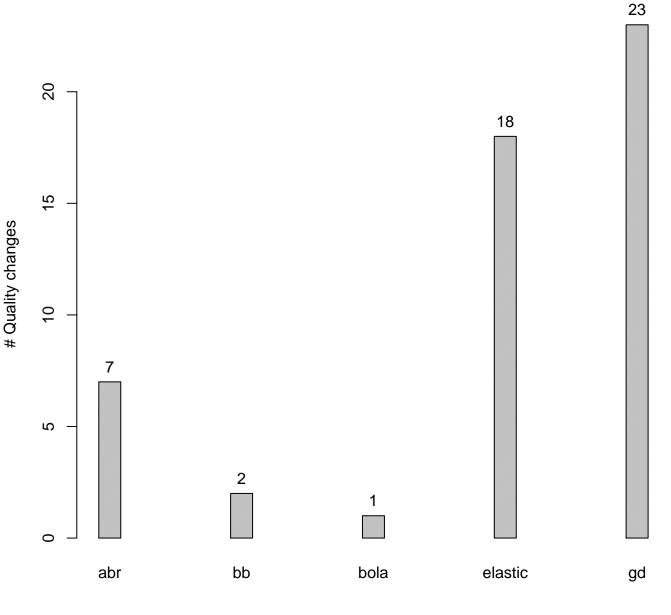
Network profile: p2 Sample: t1 Metric: # quality change Buffer: 240 min: bb







Network profile: p2 Sample: t2 Metric: # quality change Buffer: 240 min: bola



Network profile: p2 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: bb 3365.54 3292.14 3000 2696.7 2500 2000 1962.55 Kbps 1500 1198 1000 500

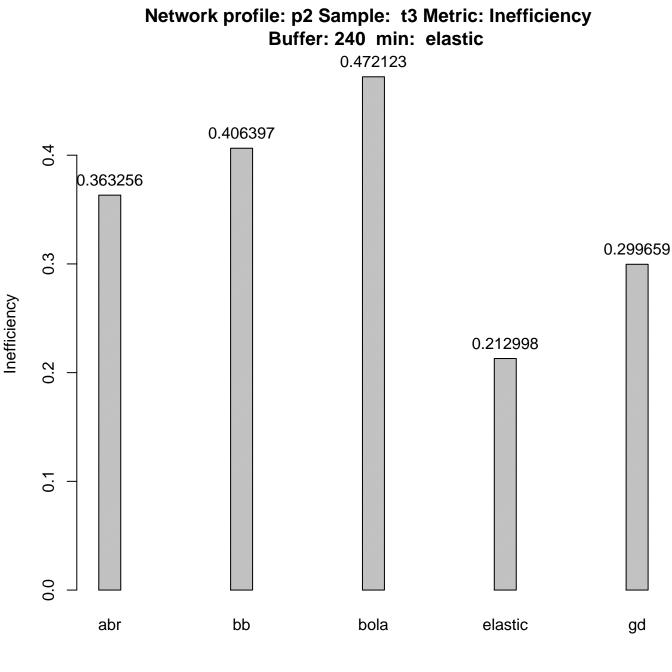
bola

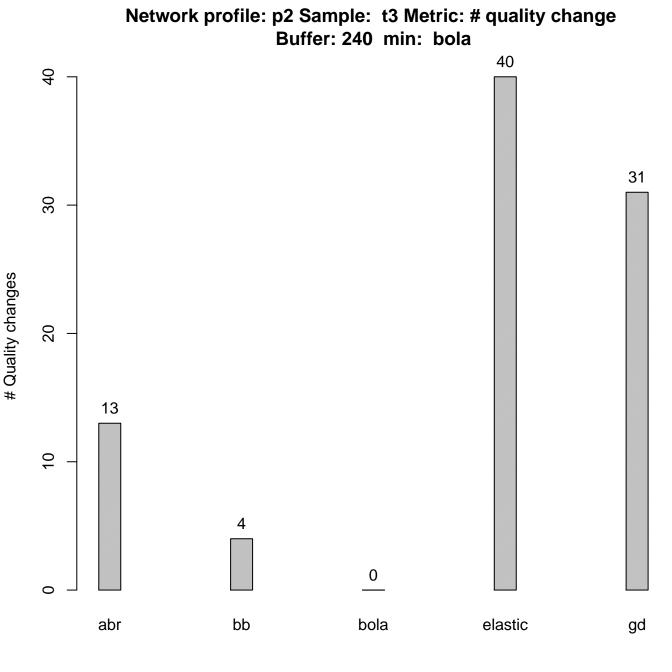
elastic

gd

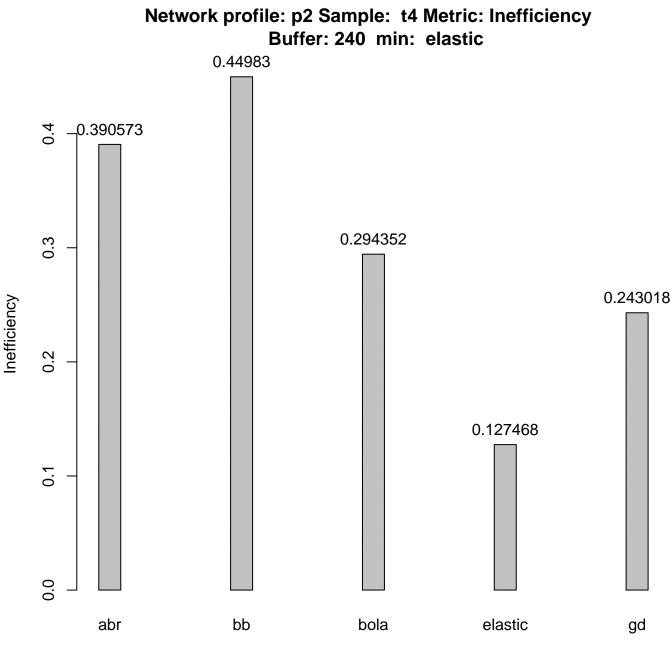
abr

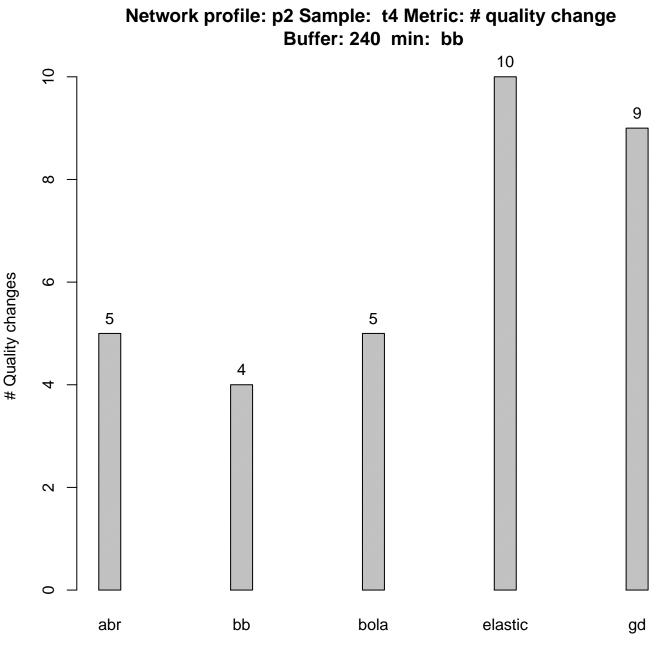
bb



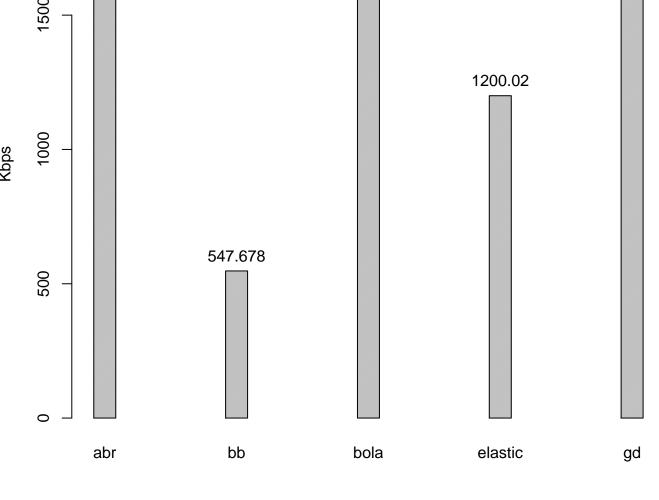


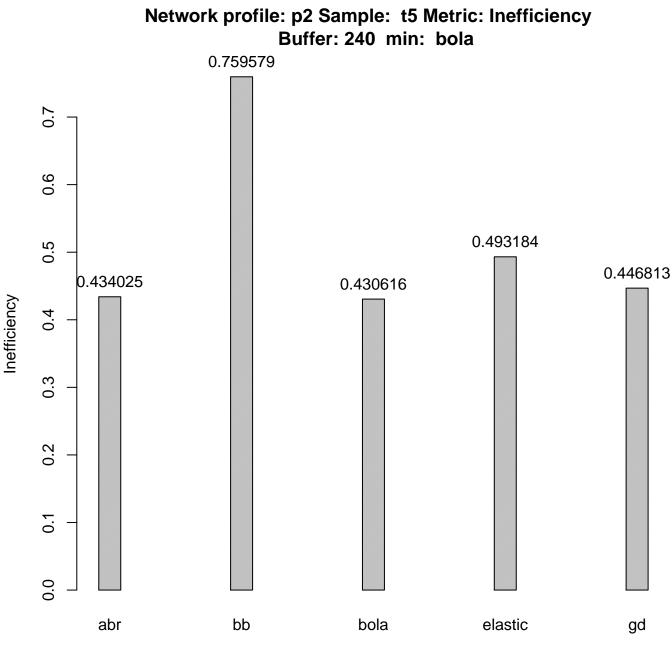
Network profile: p2 Sample: t4 Metric: Avg-Bitrate Buffer: 240 max: bb 3336.85 3184.9 3000 2872.66 2781.69 2500 2000 1763.98 Kbps 1500 1000 500 bb bola elastic abr gd



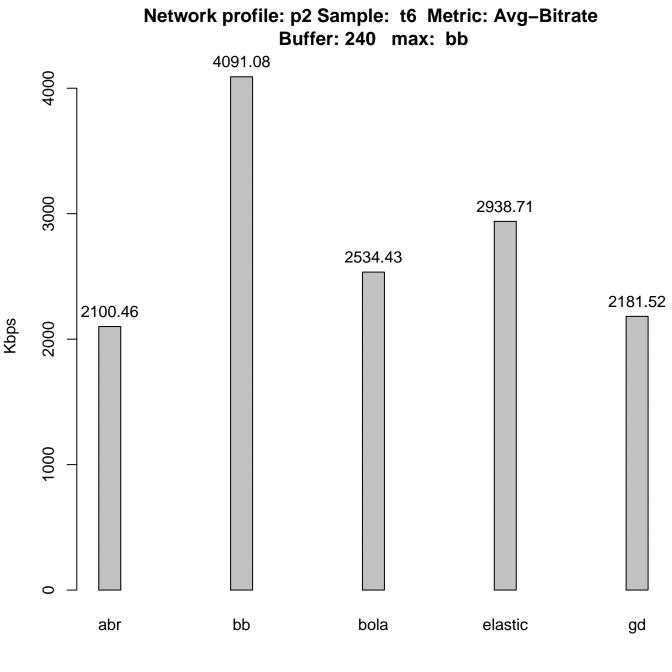


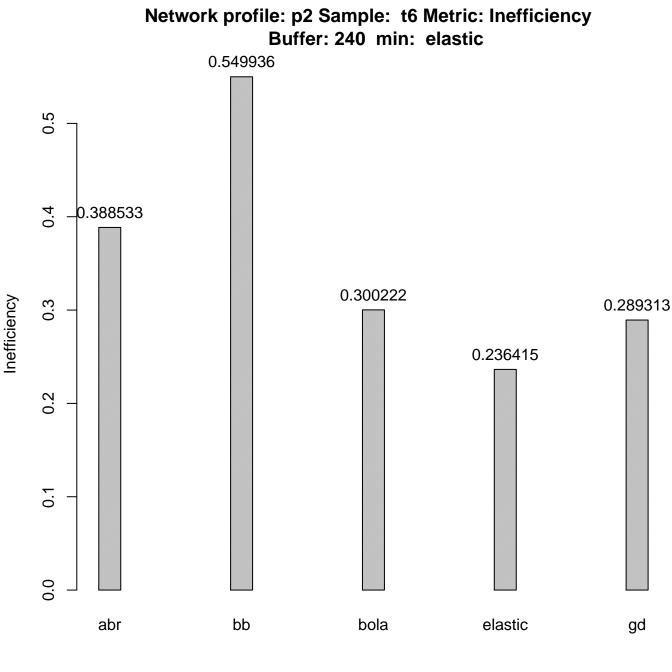
Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 240 max: gd 1910.75 1840.93 1839.93 1500 1200.02

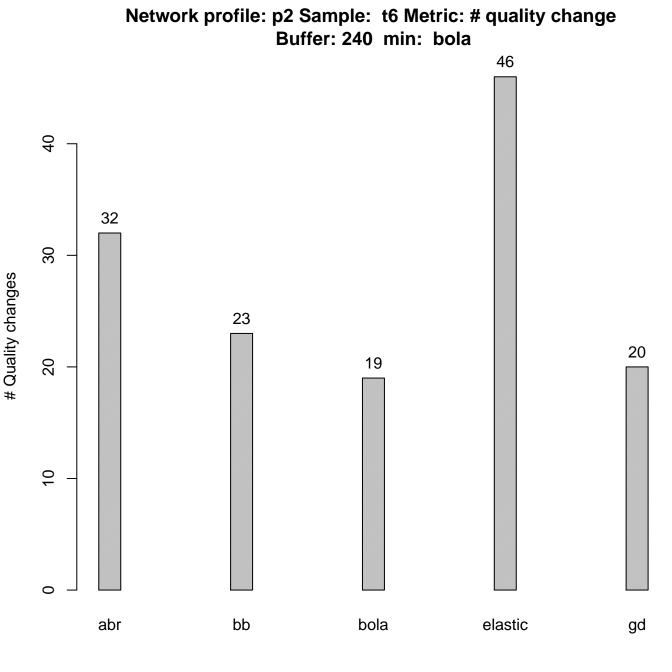




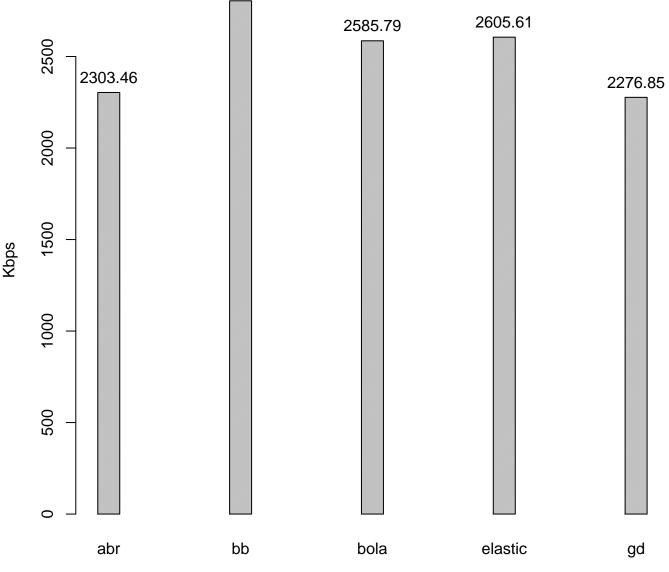
Network profile: p2 Sample: t5 Metric: # quality change Buffer: 240 min: abr 8 ∞ 9 5 # Quality changes 4 4 4 $^{\circ}$ abr bb bola elastic gd

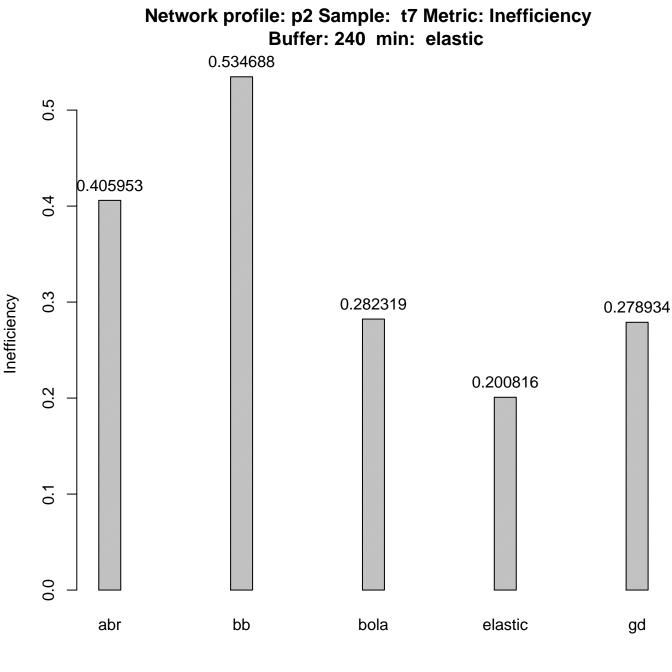




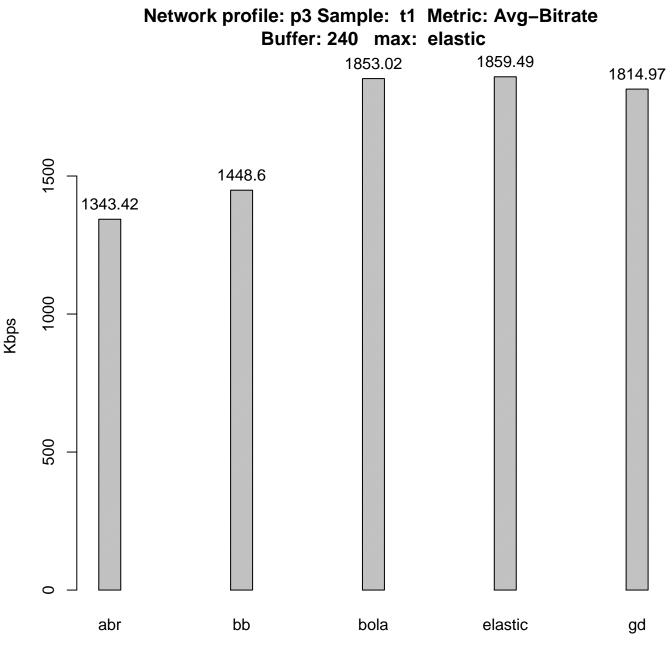


Network profile: p2 Sample: t7 Metric: Avg-Bitrate
Buffer: 240 max: bb

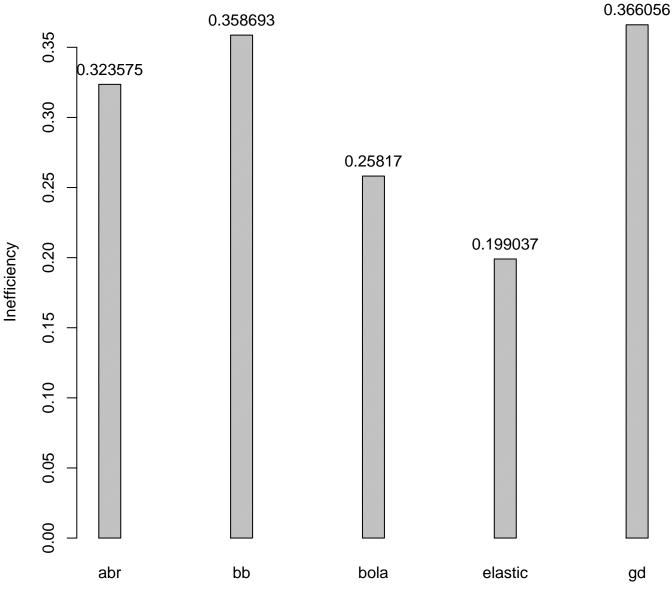




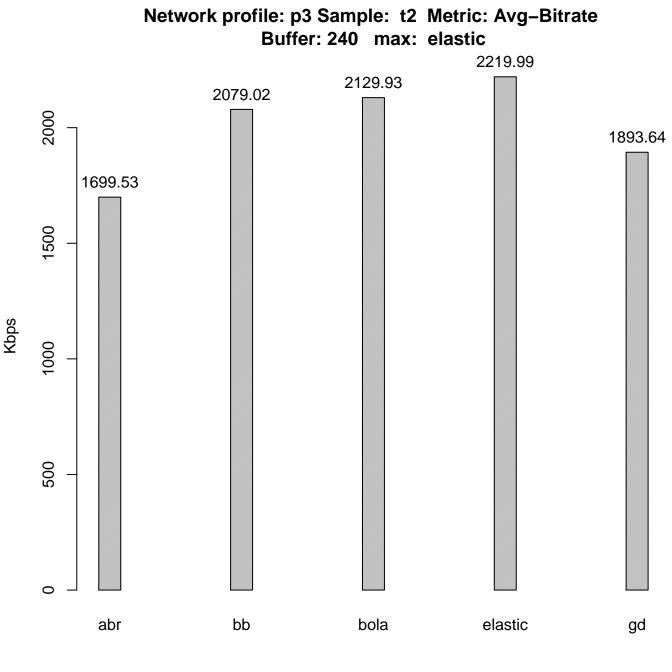
Network profile: p2 Sample: t7 Metric: # quality change Buffer: 240 min: bb 46 40 33 30 # Quality changes 20 16 15 10 8 abr bb bola elastic gd



Network profile: p3 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic

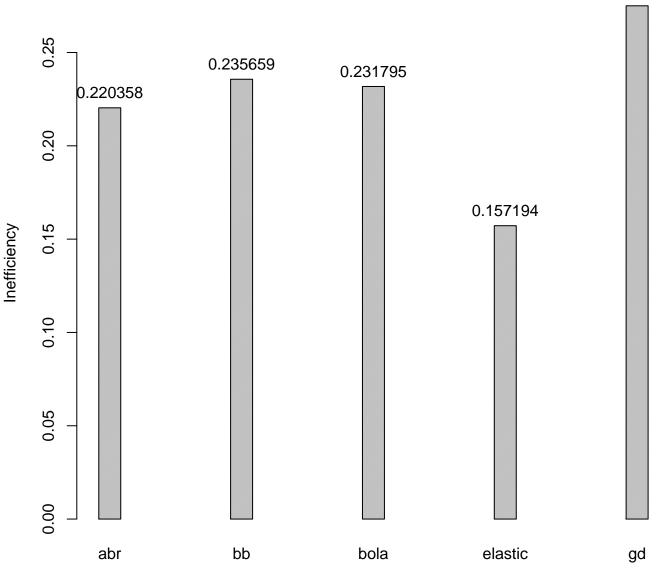


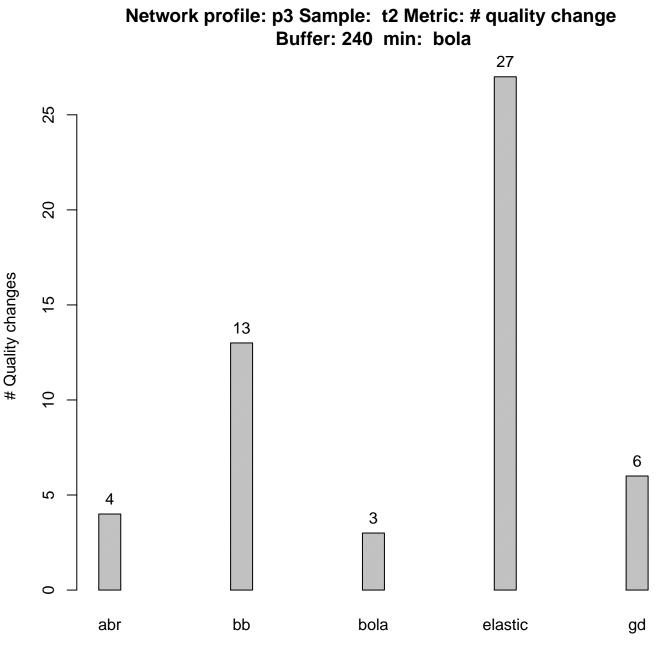
Network profile: p3 Sample: t1 Metric: # quality change Buffer: 240 min: bb 49 40 30 # Quality changes 20 13 12 10 10 elastic abr bb bola gd



Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 240 min: elastic

0.275025

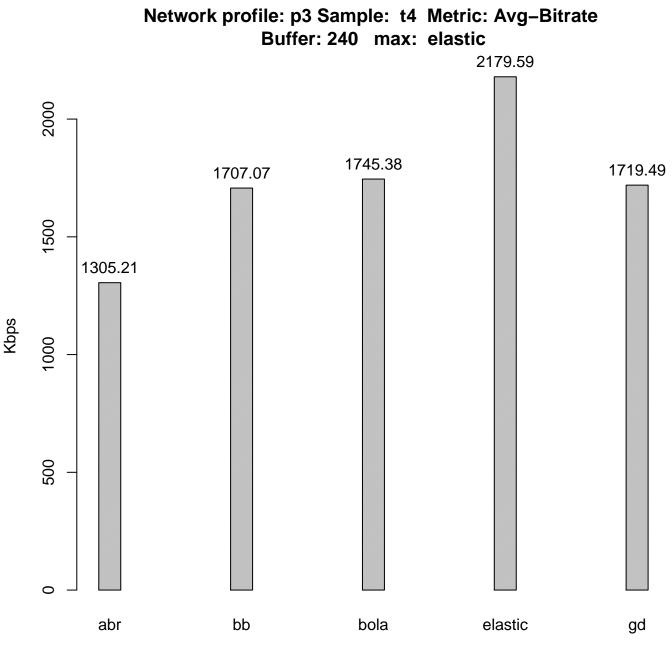




Network profile: p3 Sample: t3 Metric: Avg-Bitrate Buffer: 240 max: elastic 2305.47 2154.28 2000 1882.41 1880.3 1500 1321.73 Kbps 500 bb bola elastic abr gd

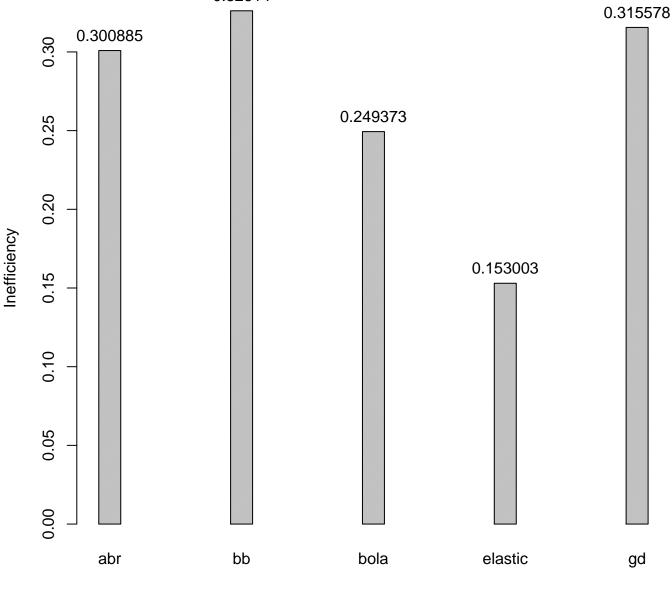
Network profile: p3 Sample: t3 Metric: Inefficiency Buffer: 240 min: elastic 0.307053 0.299722 0.256907 0.25 0.219575 0.20 Inefficiency 0.143536 0.10 0.05 elastic bb bola abr gd

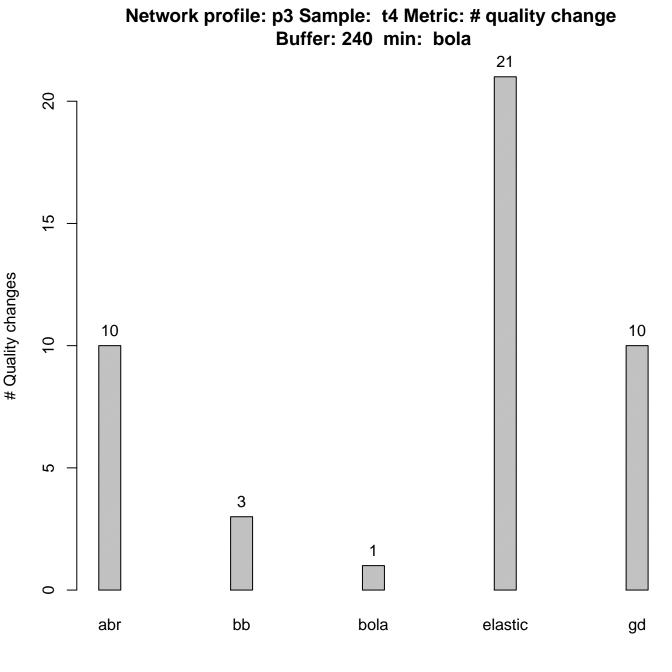
Network profile: p3 Sample: t3 Metric: # quality change Buffer: 240 min: bb 67 9 50 # Quality changes 40 30 22 20 9 10 5 5 elastic abr bb bola gd

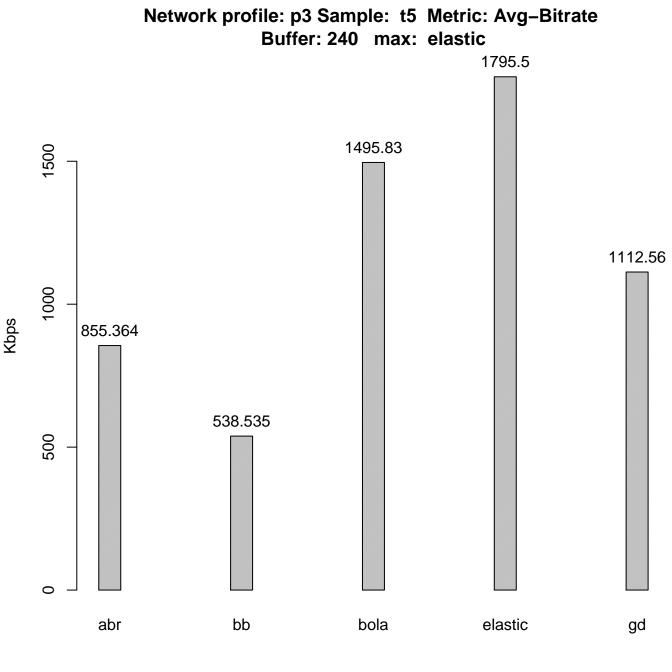


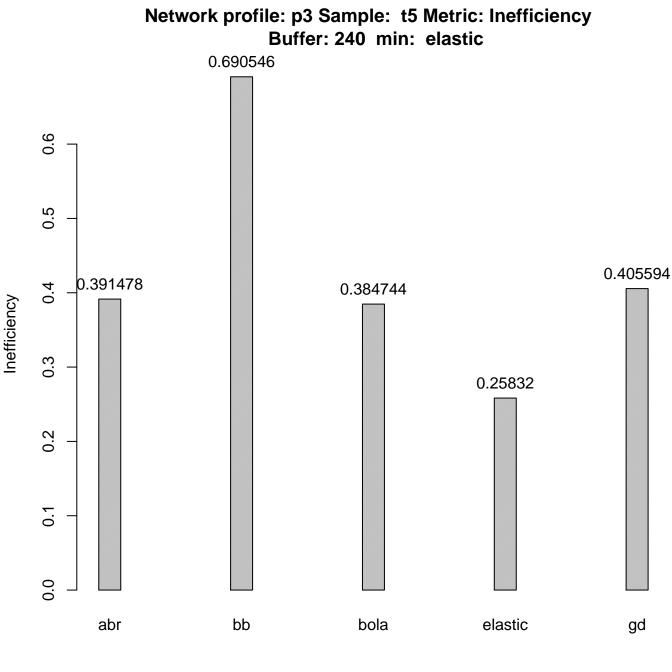
Network profile: p3 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic

0.32614

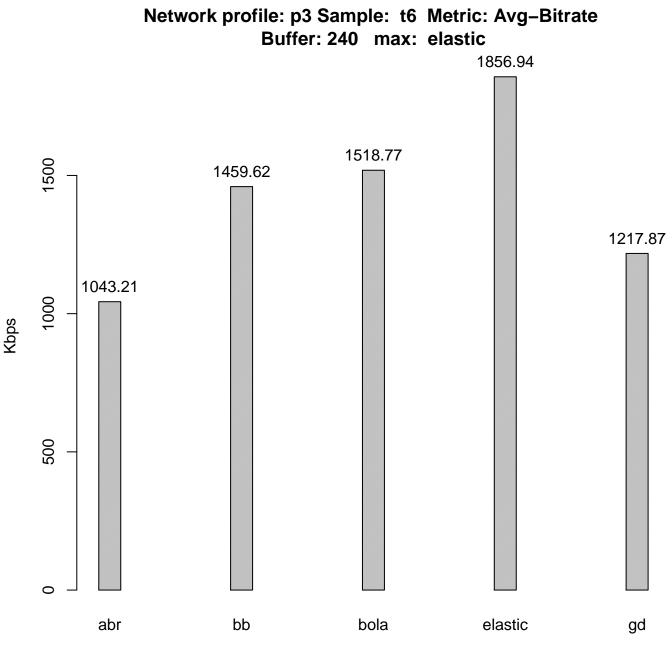


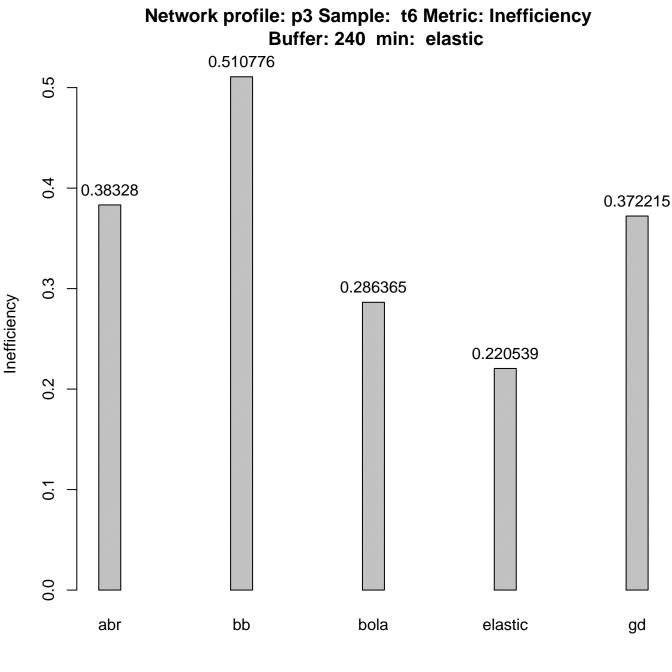


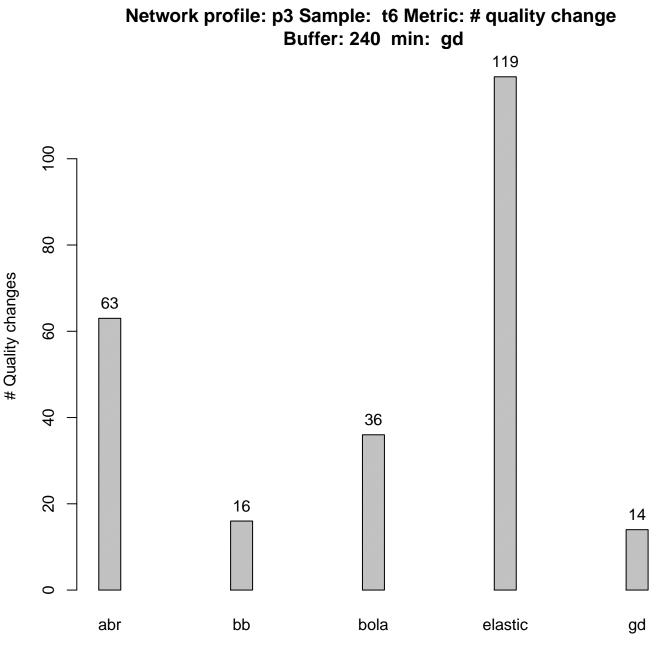


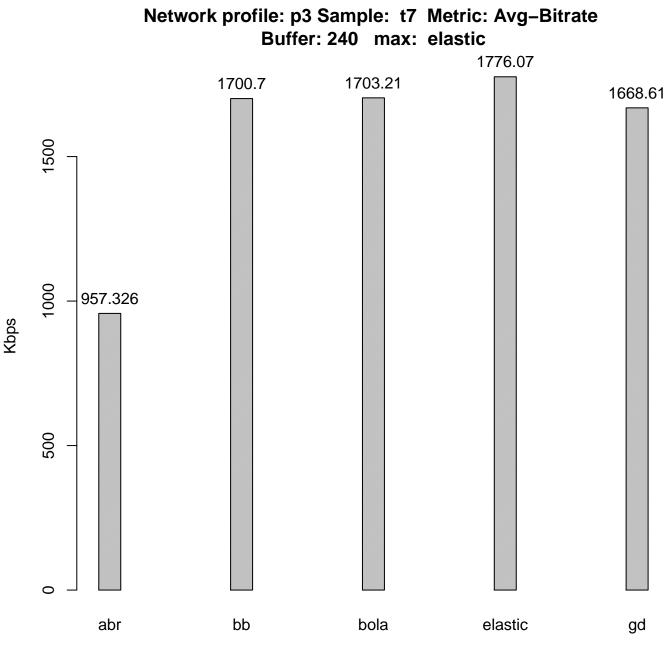


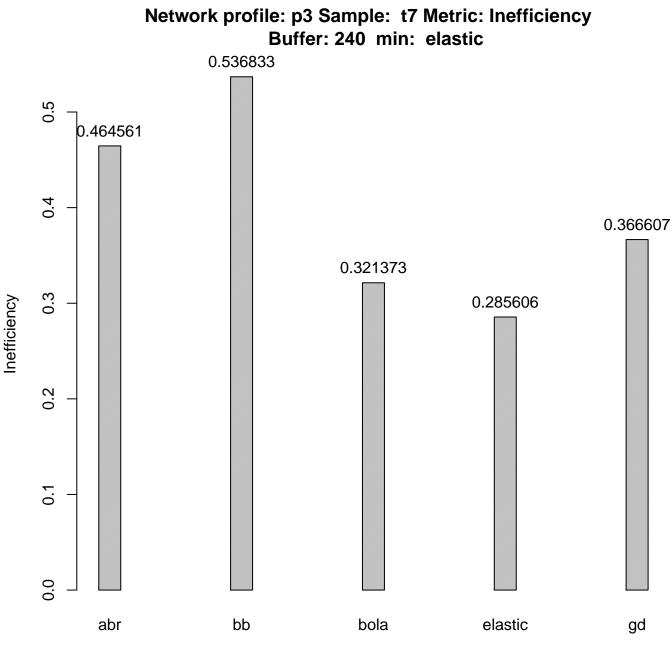
Network profile: p3 Sample: t5 Metric: # quality change Buffer: 240 min: bb 24 20 17 15 # Quality changes 13 10 10 5 2 abr bb bola elastic gd



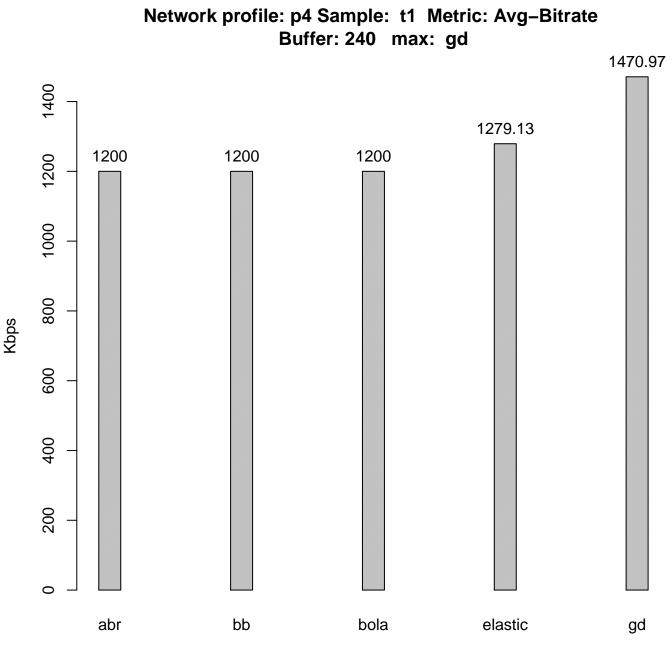




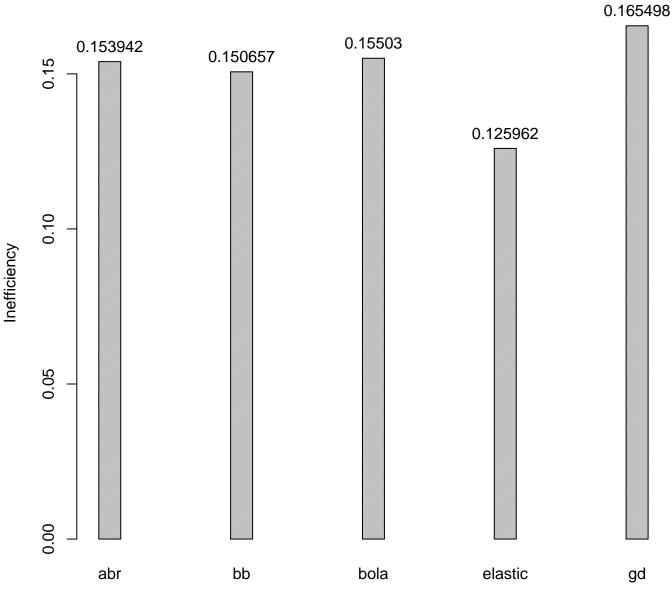




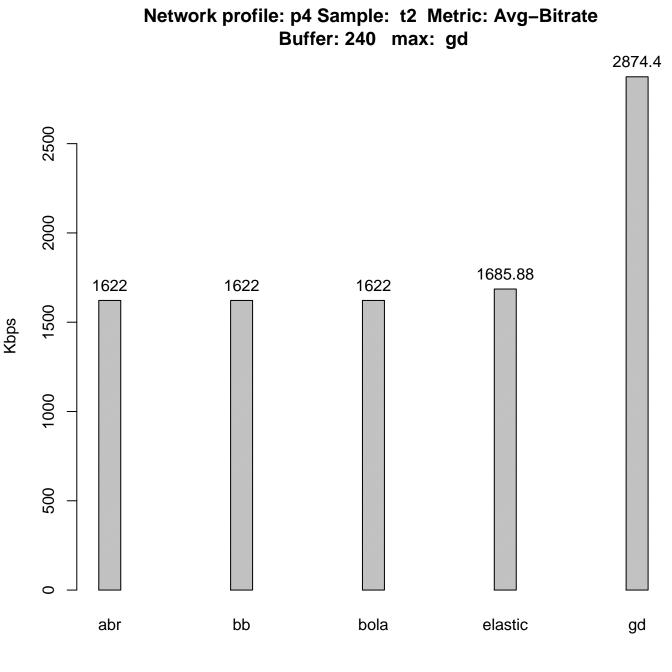
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 240 min: bb 111 100 80 # Quality changes 9 47 40 19 20 16 8 elastic abr bb bola gd

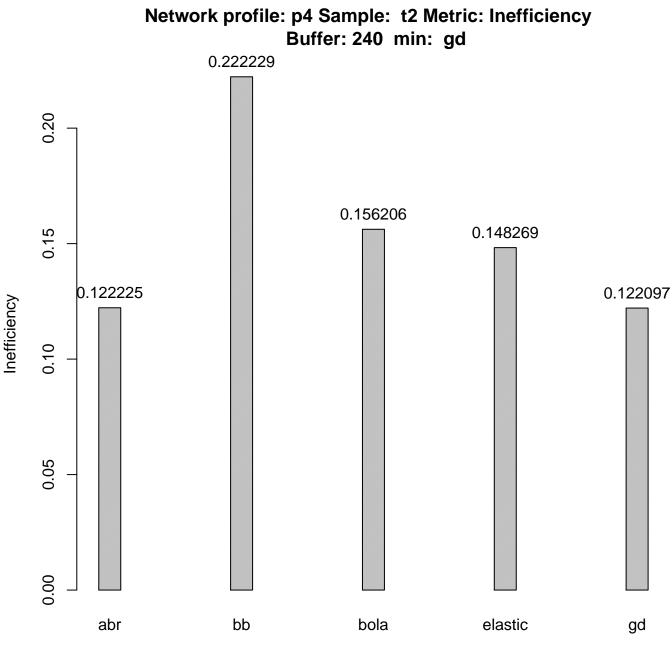


Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic

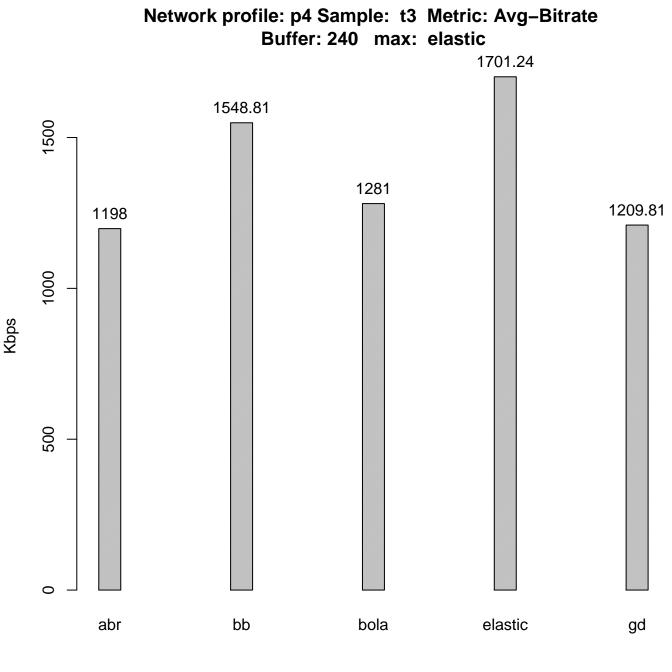


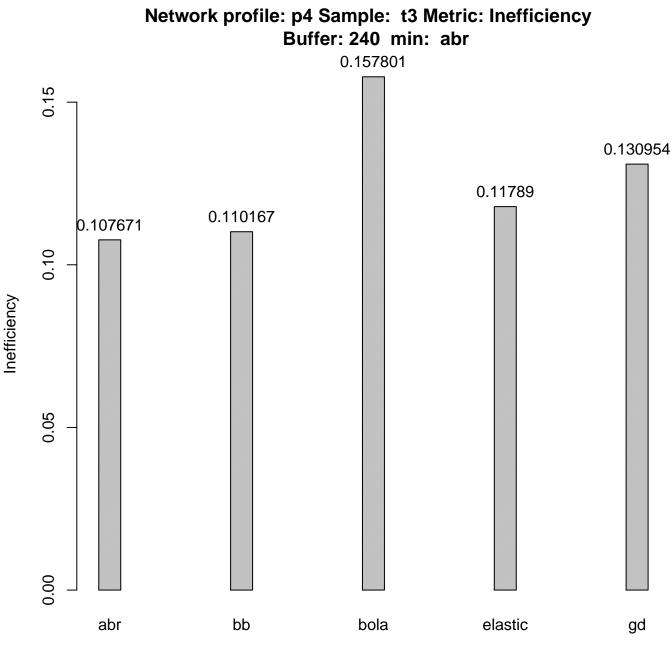
Network profile: p4 Sample: t1 Metric: # quality change Buffer: 240 min: abr 14 12 10 # Quality changes ∞ 9 4 $^{\circ}$ elastic abr bb bola gd



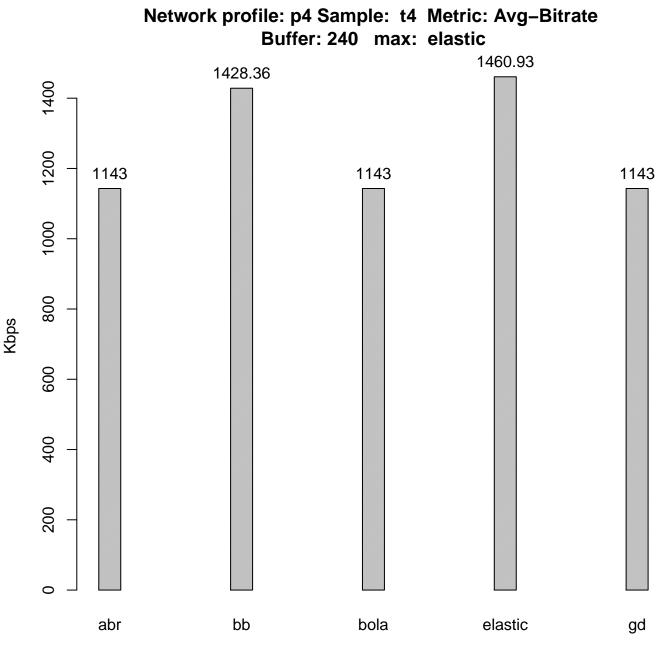


Network profile: p4 Sample: t2 Metric: # quality change Buffer: 240 min: abr 8 ∞ 6 9 # Quality changes $^{\circ}$ elastic abr bb bola gd



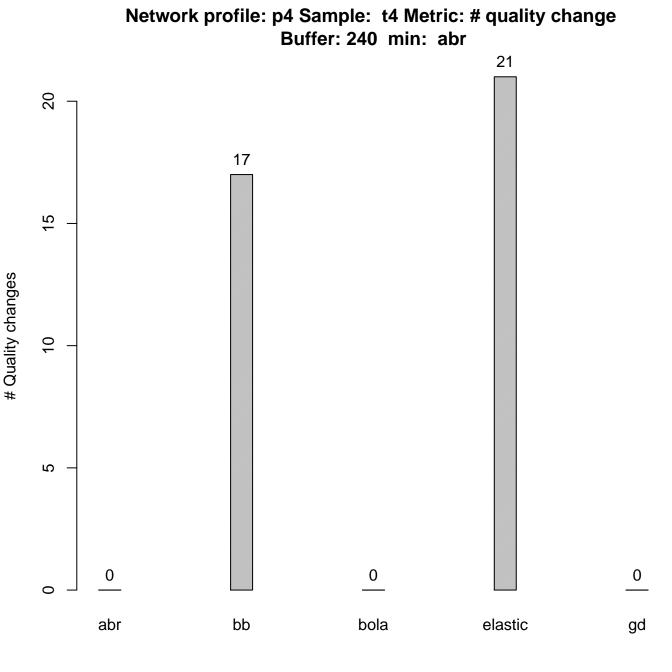


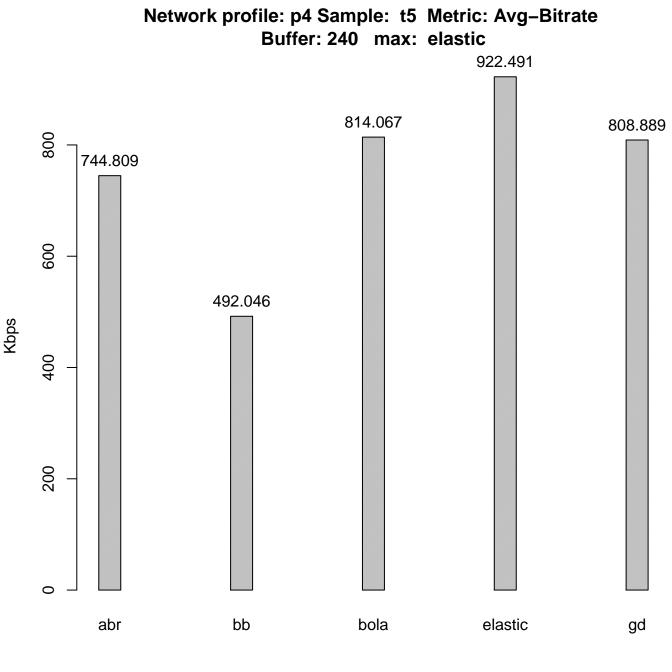
Network profile: p4 Sample: t3 Metric: # quality change Buffer: 240 min: abr 59 50 4 # Quality changes 33 30 20 10 2 elastic abr bb bola gd

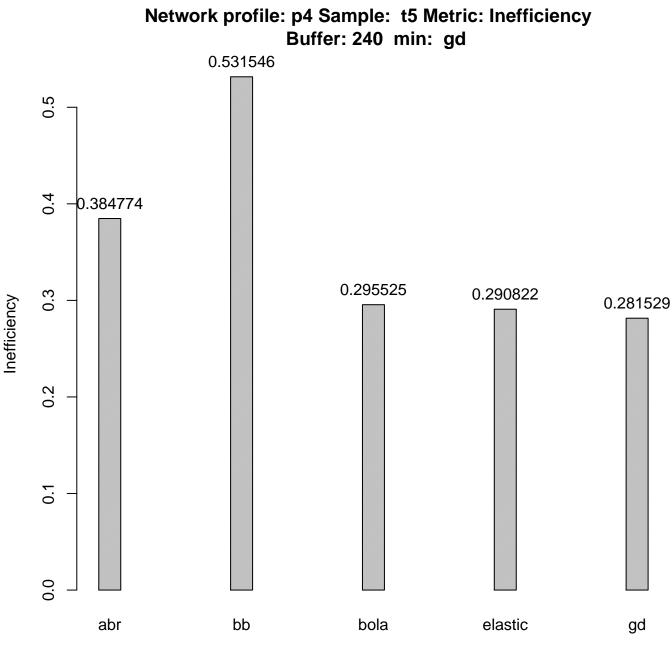


Buffer: 240 min: elastic 0.129197 0.121348 0.115572 0.114813 0.10852 0.10 0.08 Inefficiency 90.0 0.04 0.02 bb bola elastic abr gd

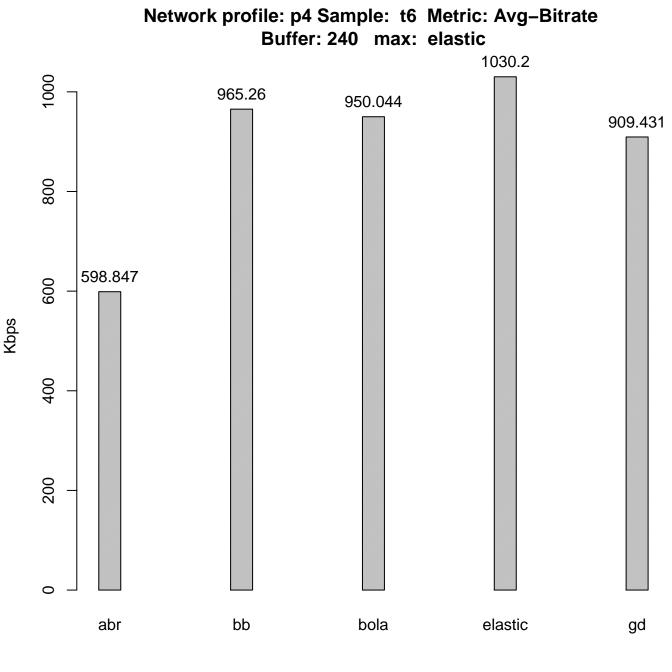
Network profile: p4 Sample: t4 Metric: Inefficiency



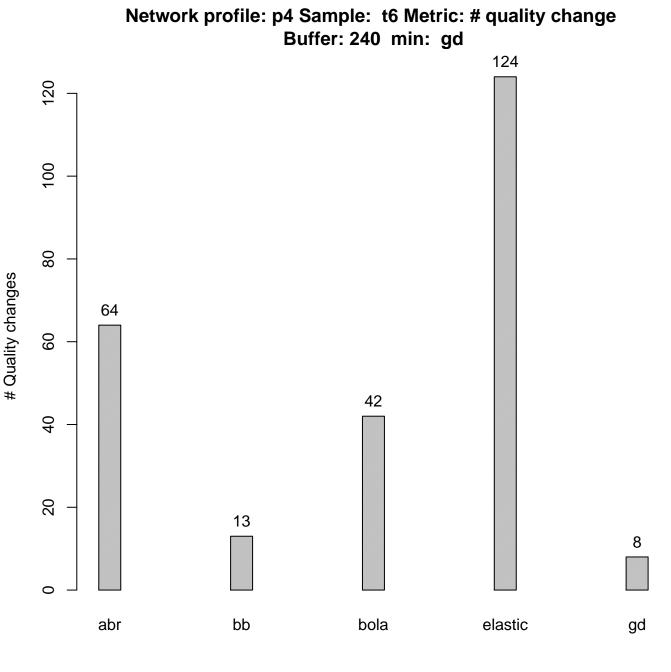




Network profile: p4 Sample: t5 Metric: # quality change Buffer: 240 min: gd 32 30 25 20 # Quality changes 16 15 11 10 10 6 2 elastic abr bb bola gd



Network profile: p4 Sample: t6 Metric: Inefficiency Buffer: 240 min: elastic 0.434046 0.370689 0.295032 0.292626 Inefficiency 0.220278 bb bola elastic abr gd



Network profile: p4 Sample: t7 Metric: Avg-Bitrate Buffer: 240 max: elastic 1097.53 1000 986.573 984.898 843.693 800 009 490.915 400 200 bb bola elastic abr gd

Network profile: p4 Sample: t7 Metric: Inefficiency Buffer: 240 min: elastic 0.418465 0.407699 0.359406 0.359171 0.286103 Inefficiency bb bola elastic abr gd

Network profile: p4 Sample: t7 Metric: # quality change Buffer: 240 min: bb 90 80 9 # Quality changes 4 26 24 20 10 bola elastic abr bb gd