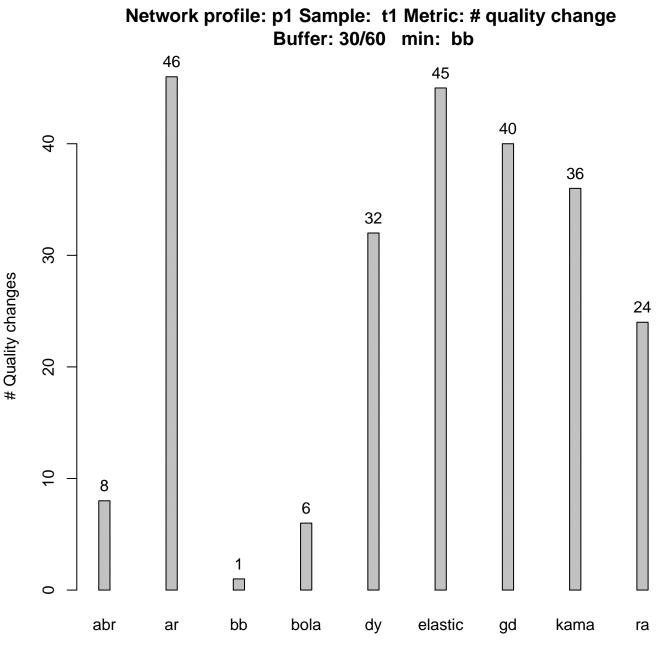
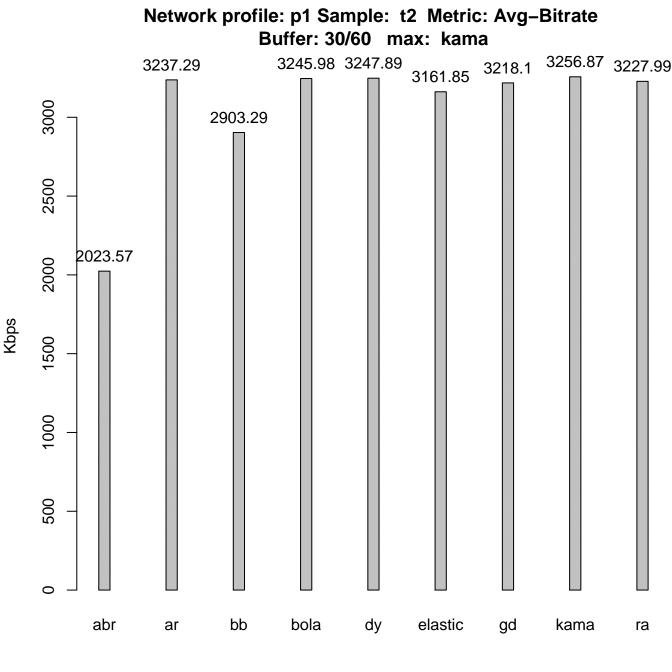
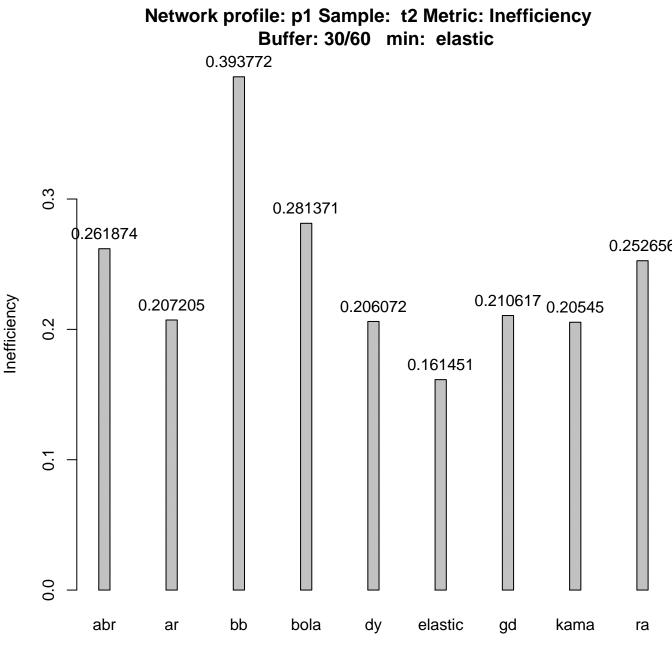
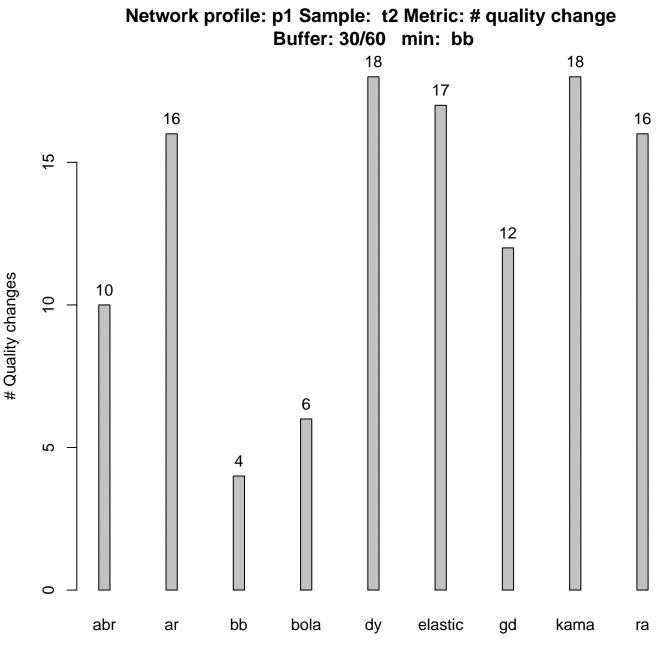
Network profile: p1 Sample: t1 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 3068.84 3007.47 3000 2865.61 2835.56 2819.7 2881.48 2861.94 2500 2147.9 2000 1784.4 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.474962 0.3126970.305189 0.317486  $0.306563^{0.312054}$ 0.298408 0.284599 Inefficiency 0.201053 0.2 elastic abr bb bola dy kama ar gd ra





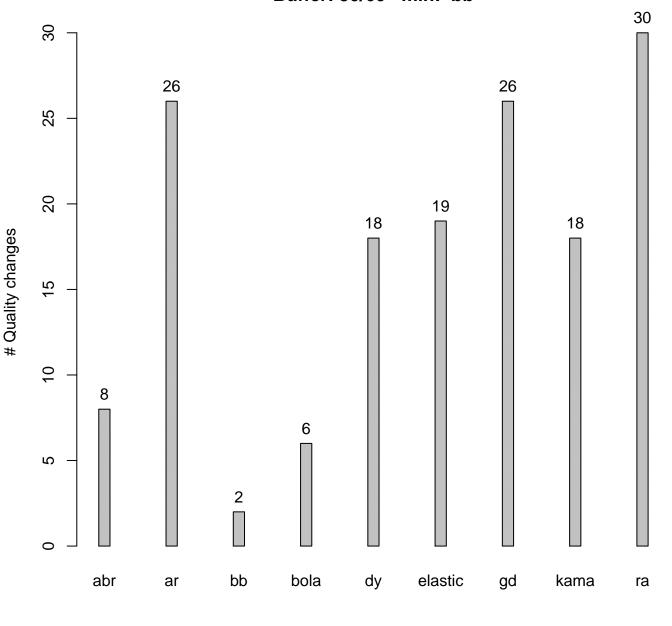




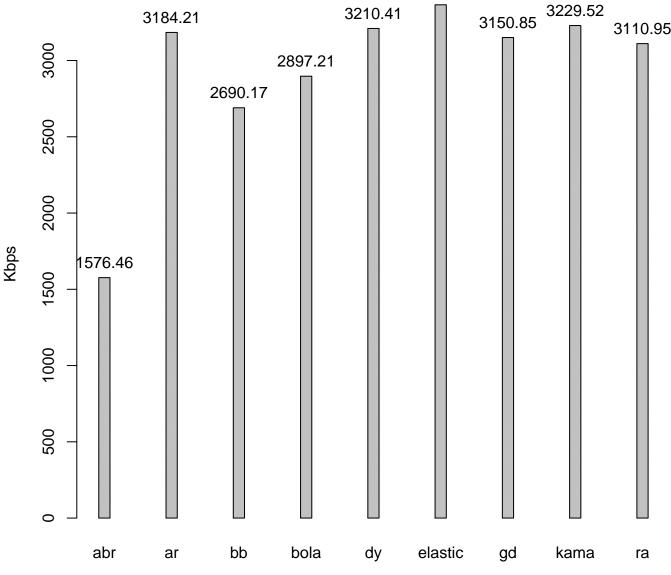
Network profile: p1 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: bb 3385.77 3285.15 3275.19 3310.03 3279.47 3288.13 3157.22 3078.48 3000 2500 2000 Kbps 1659.68 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t3 Metric: Inefficiency Buffer: 30/60 min: elastic 0.479113 0.384275 0.338159 0.323488 0.312296 0.311979 0.277535 0.264721 Inefficiency 0.22588 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t3 Metric: # quality change Buffer: 30/60 min: bb



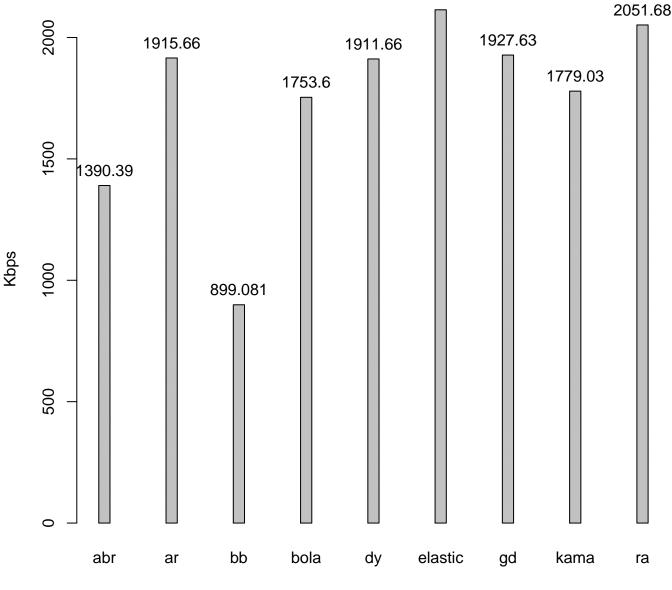
Network profile: p1 Sample: t4 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
3365.47

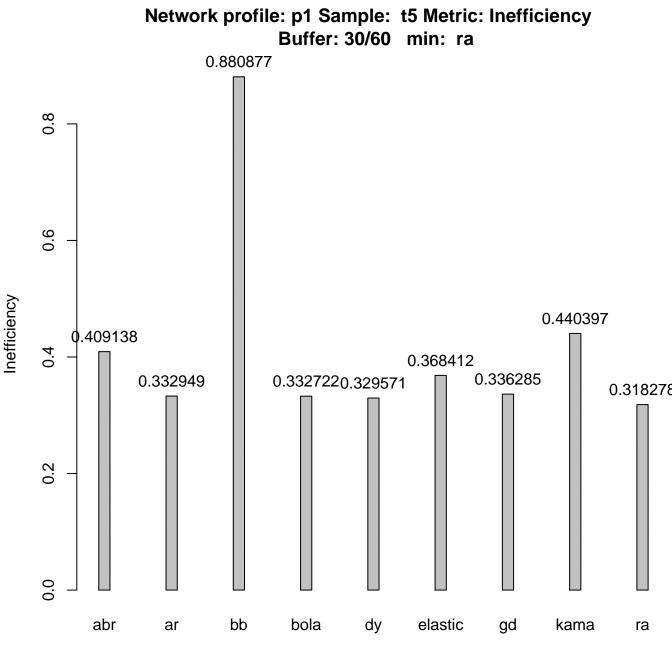


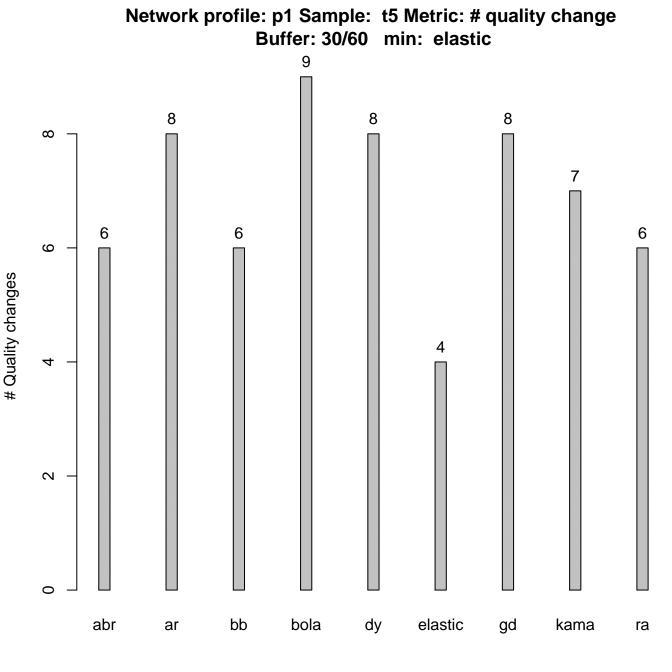
**Network profile: p1 Sample: t4 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.445321 70.382409 0.335417 0.3 0.27445 0.262476 0.248285 0.244367 Inefficiency 0.226334 0.143342 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t4 Metric: # quality change Buffer: 30/60 min: bb 16 15 14 14 12 10 10 # Quality changes 8 8 6 2 3 bola elastic abr bb dy gd kama ar ra

Network profile: p1 Sample: t5 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
2114.1

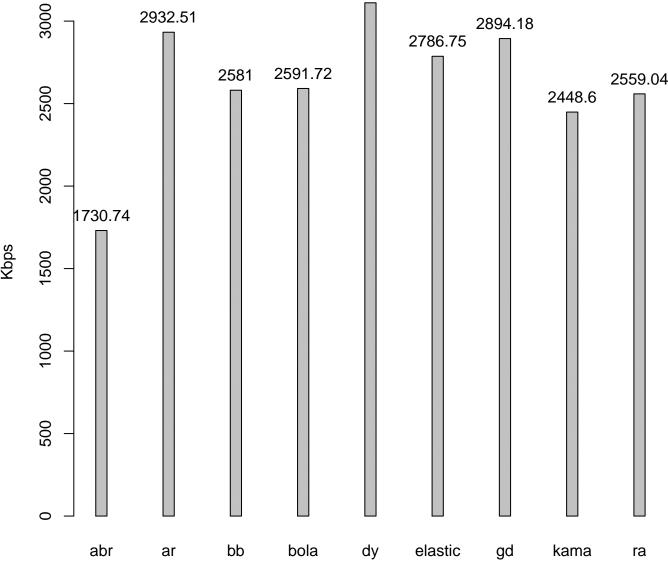


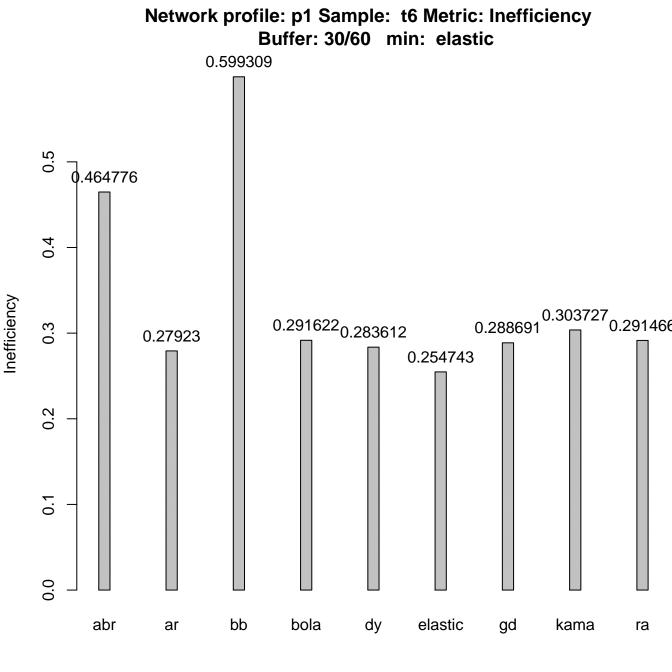




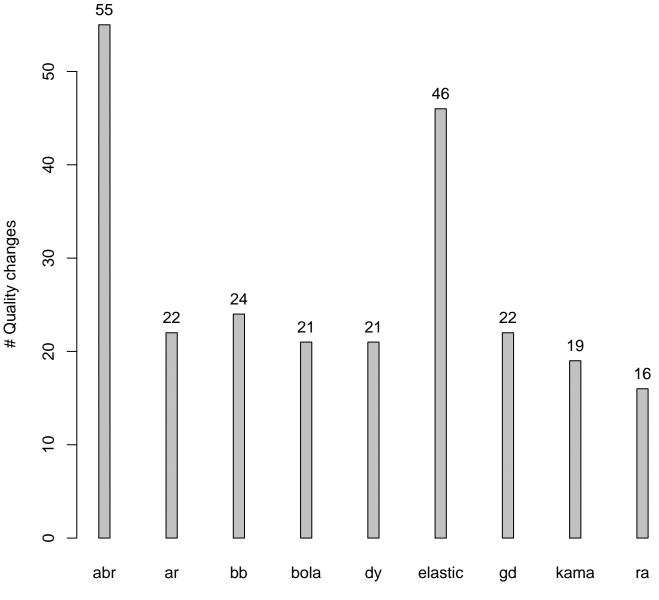
Network profile: p1 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: dy
3110.99

2932.51
2894.18
2786.75



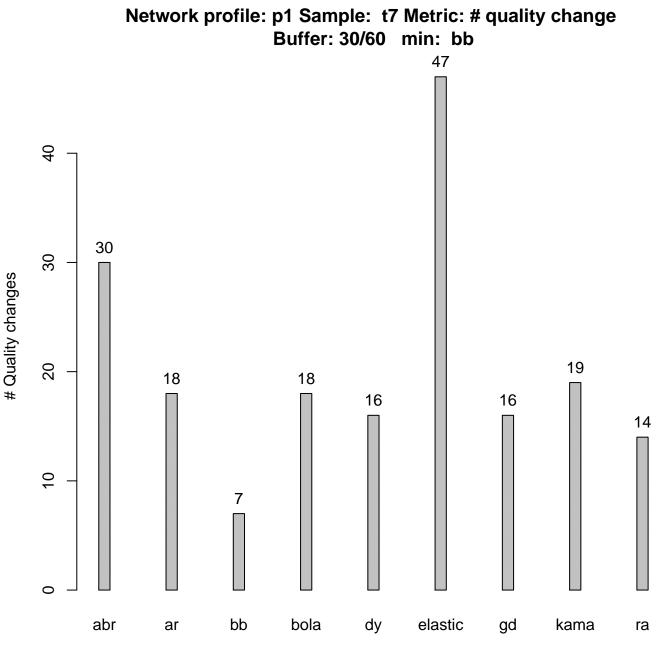


Network profile: p1 Sample: t6 Metric: # quality change Buffer: 30/60 min: ra



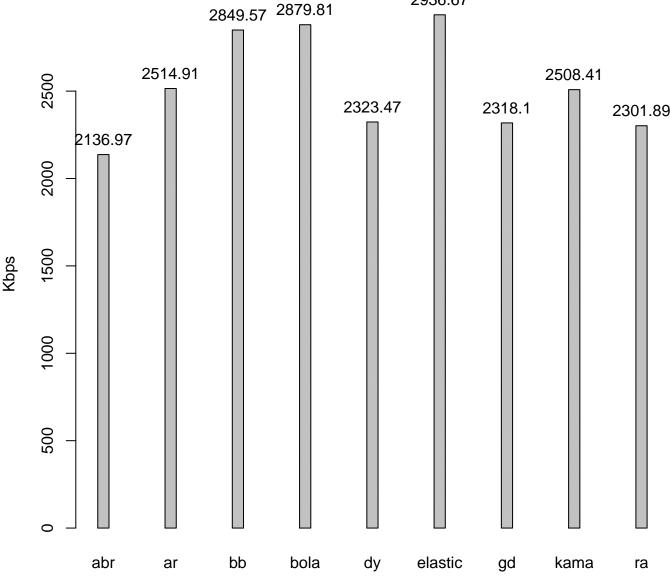
Network profile: p1 Sample: t7 Metric: Avg-Bitrate Buffer: 30/60 max: gd 2677.93 2657.37 2705.64 2664 2650.9 2523.29 2500 2466.26 2464.62 2453.15 2000 1500 1000 500 elastic abr bb bola dy kama ar gd ra

**Network profile: p1 Sample: t7 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.581216 0.380451 Inefficiency 0.3 0.271449 0.259836 0.255707 0.255817 0.243307 0.230891 0.203928 0.2 elastic abr bb bola dy kama ar gd ra

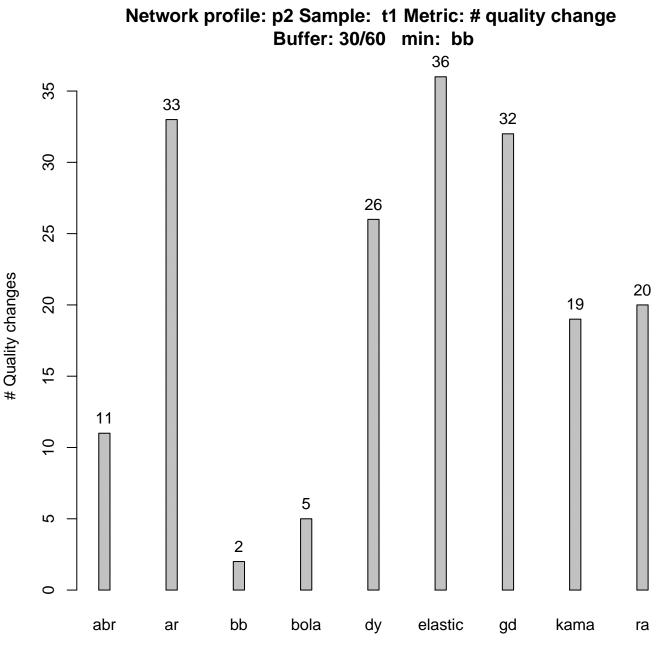


Network profile: p2 Sample: t1 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic

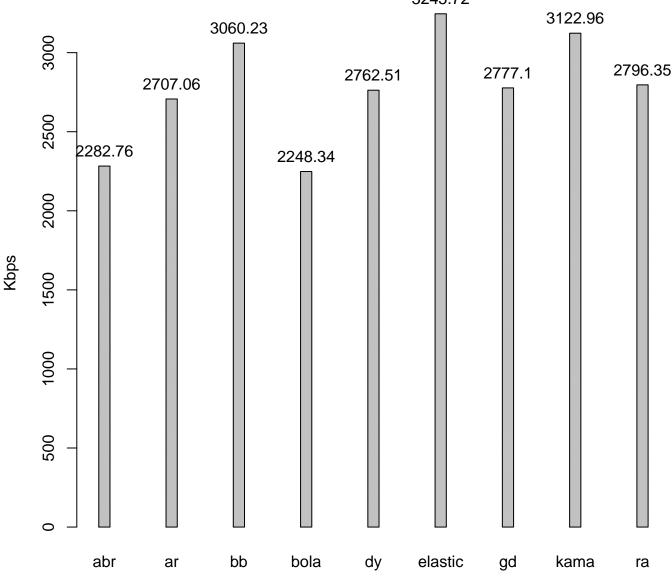
2849.57 2879.81



**Network profile: p2 Sample: t1 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.460288 0.317472 0.303534 0.3007 0.2980690.3015530.295539 0.297852 Inefficiency 0.203485 elastic abr bb bola dy kama ar gd ra

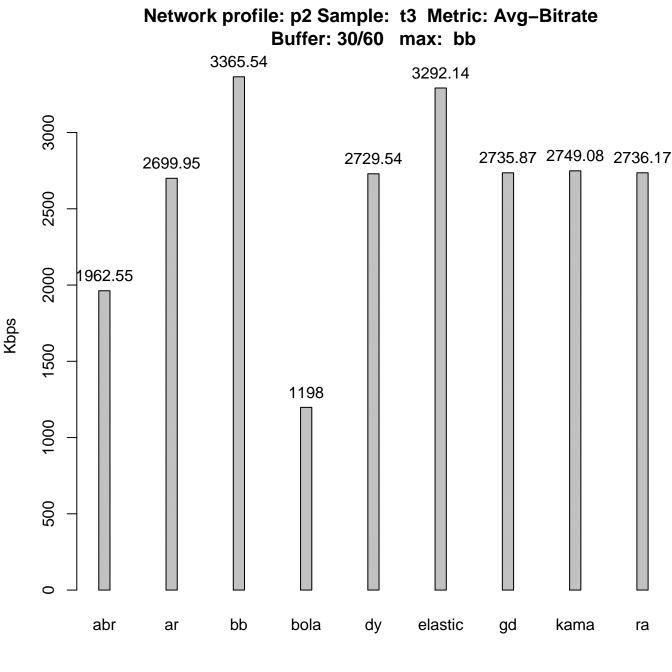


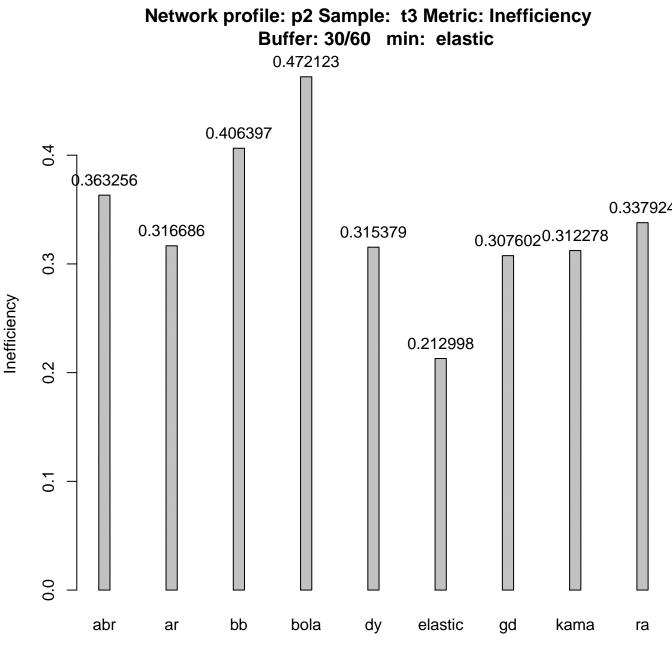
Network profile: p2 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 3245.72



Network profile: p2 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.325926 0.316141 0.30 0.274942 0.254503 0.262071 0.245956 — 0.251581 0.25 0.228792 0.20 Inefficiency 0.167881 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t2 Metric: # quality change Buffer: 30/60 min: bola 25 25 21 21 20 20 19 18 # Quality changes 15 10 2 2 bola elastic abr bb dy gd kama ar ra





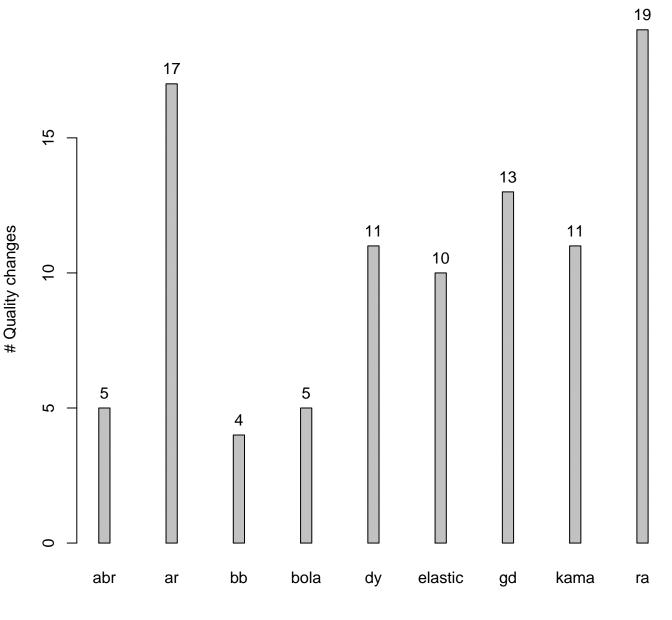
Network profile: p2 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 49 40 40 37 37 35 33 30 # Quality changes 20 13 10 bola elastic abr bb dy gd kama ar ra

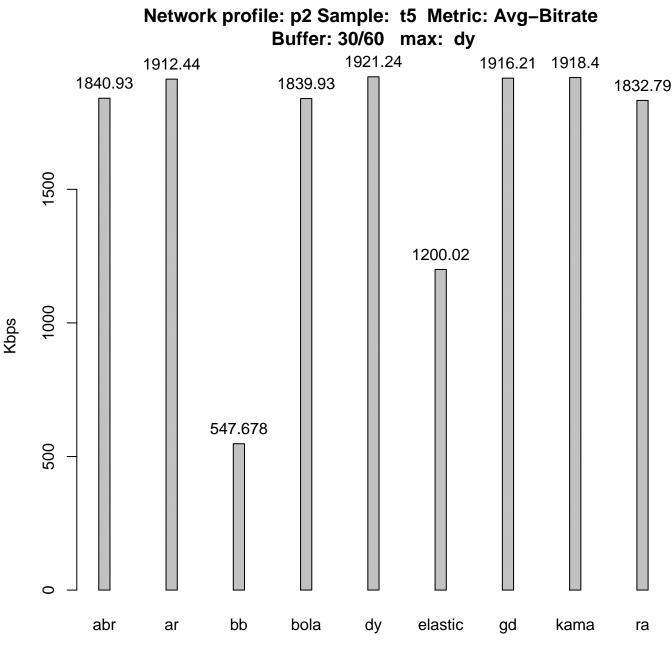
Buffer: 30/60 max: bb 3336.85 3184.9 3000 2872.66 2784.2 2842.98 2833.72 2801.88 2739.22 2500 2000 1763.98 Kbps 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t4 Metric: Avg-Bitrate

**Network profile: p2 Sample: t4 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.44983 **\_Q**.390573 0.294352 0.265749 0.259435 0.245711 Inefficiency 0.238396 0.230954 0.127468 0.1 elastic abr bb bola dy kama ar gd ra

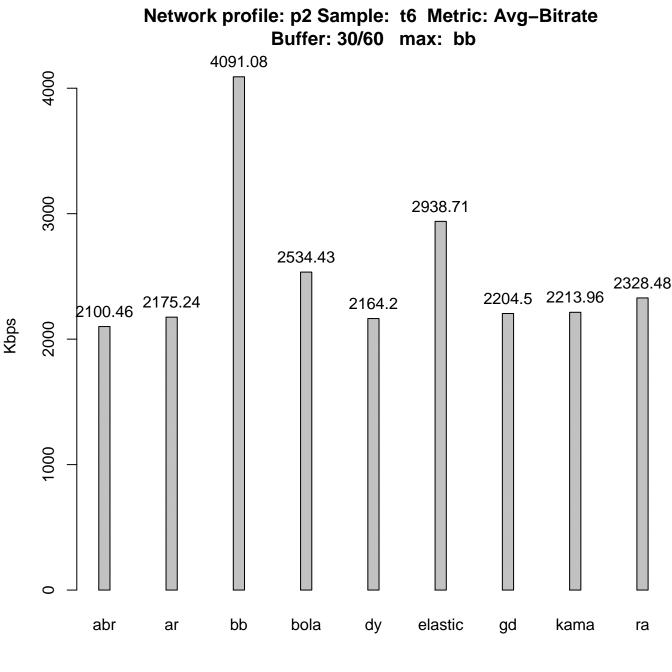
## Network profile: p2 Sample: t4 Metric: # quality change Buffer: 30/60 min: bb



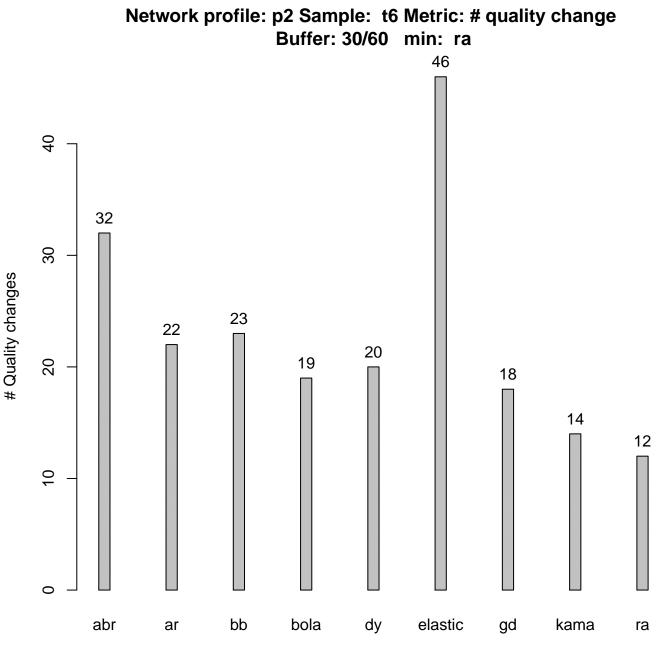


**Network profile: p2 Sample: t5 Metric: Inefficiency** Buffer: 30/60 min: bola 0.759579 9.0 0.493184 0.5 0.434025<sup>0.443244</sup>  $0.44011_{\ 0.435347}^{\ 0.44624}$ 0.4306160.431596 Inefficiency 0.4 0.3 0.2 0.1 elastic abr bb bola dy kama ar gd ra

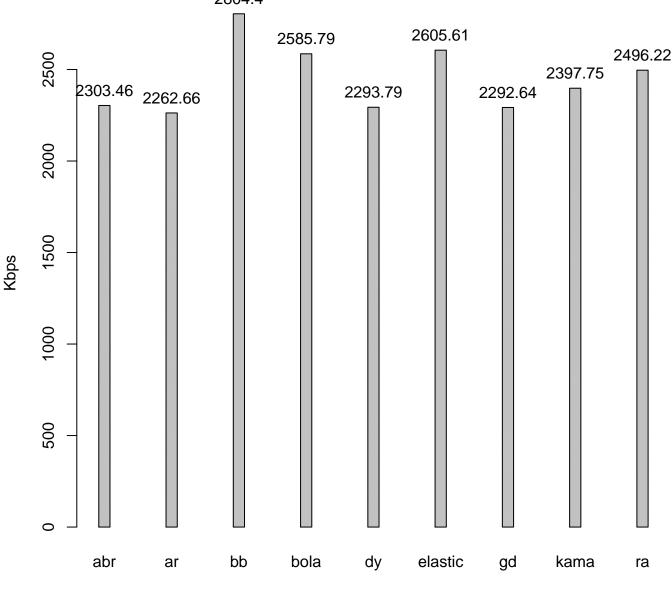
Network profile: p2 Sample: t5 Metric: # quality change Buffer: 30/60 min: abr  $\infty$ 9 5 # Quality changes 4 4 4 4 4 4  $^{\circ}$ bola elastic abr bb dy gd kama ar ra



**Network profile: p2 Sample: t6 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.549936 4.388533 0.300222 0.286325 Inefficiency 0.289978 0.27569 0.236415 elastic abr bb bola dy kama ar gd ra



Network profile: p2 Sample: t7 Metric: Avg-Bitrate
Buffer: 30/60 max: bb
2804.4

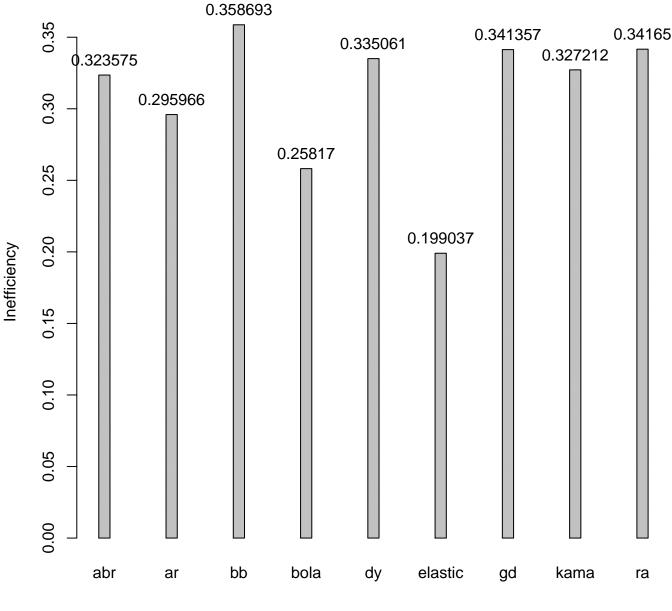


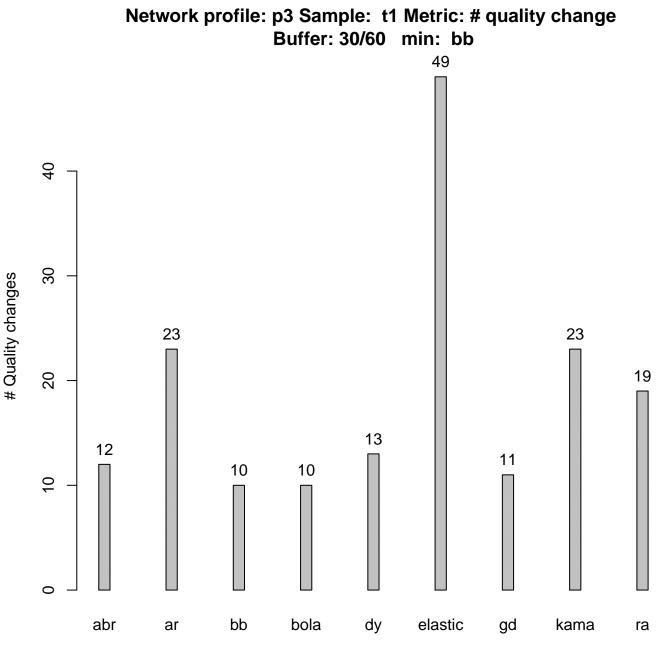
**Network profile: p2 Sample: t7 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.534688 0.405953 0.3 0.27589 0.285345 Inefficiency 0.282319 0.270796 0.26786 0.257694 0.200816 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 46 40 33 30 # Quality changes 20 20 19 16 15 15 12 10 8 bola elastic abr bb dy gd kama ar ra

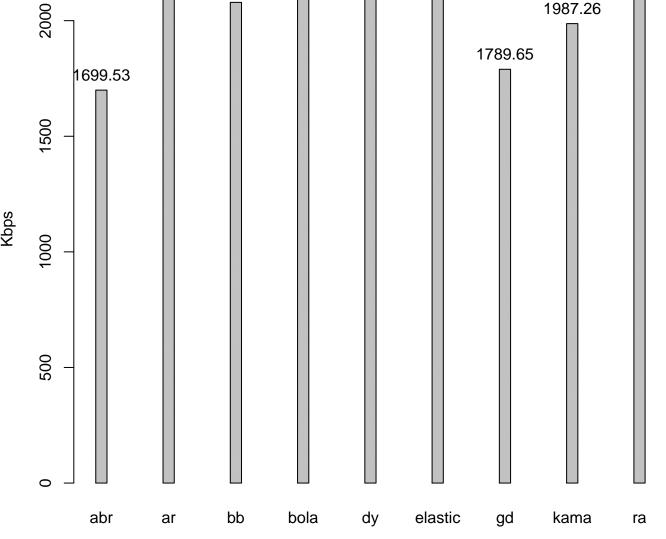
Network profile: p3 Sample: t1 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 1859.49 1853.02 1827.13 1775.09 1771.7 1748.67 1678.03 1500 1448.6 1343.42 500 bola elastic abr bb dy kama ar gd ra

Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic





Network profile: p3 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 2219.99 2179.37 2129.93 2114.67 2116.37 2079.02 1987.26 1789.65



Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.271758 0.25  $0.235659_{0.231795}$ 0.220358 0.215216 0.206399 0.202887 0.20 0.196311 0.157194 0.15 0.10 0.05

elastic

gd

kama

ra

Inefficiency

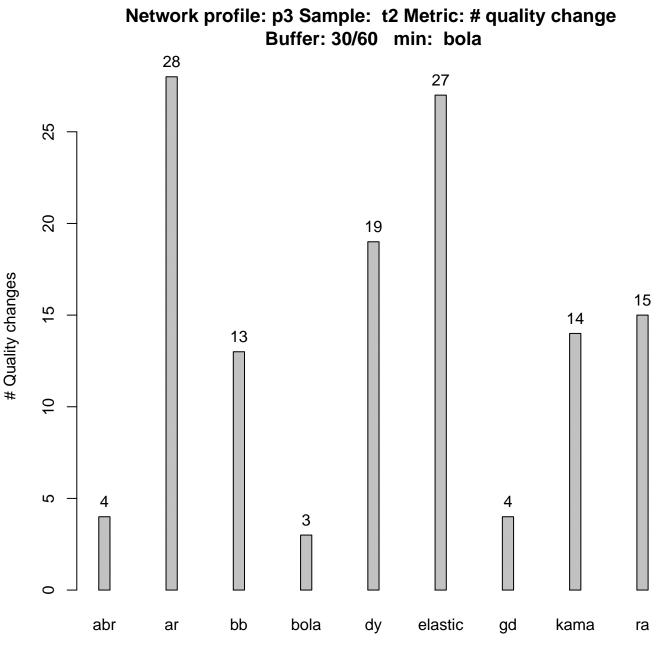
abr

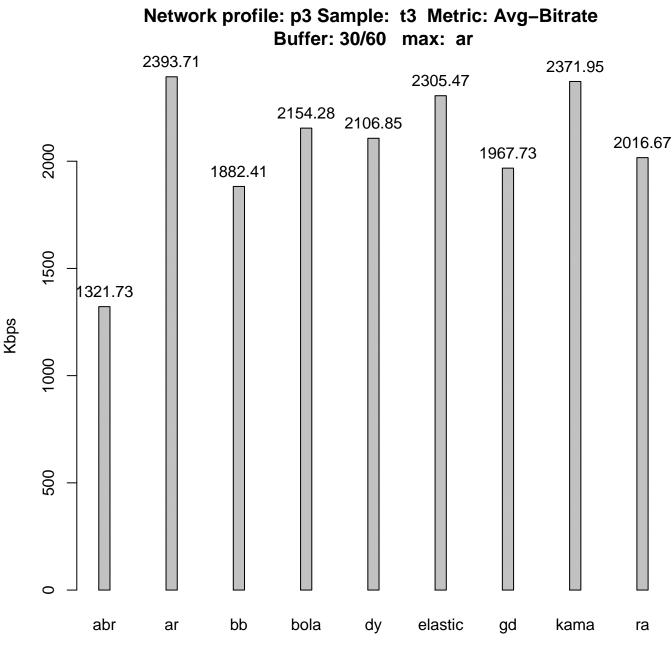
bb

ar

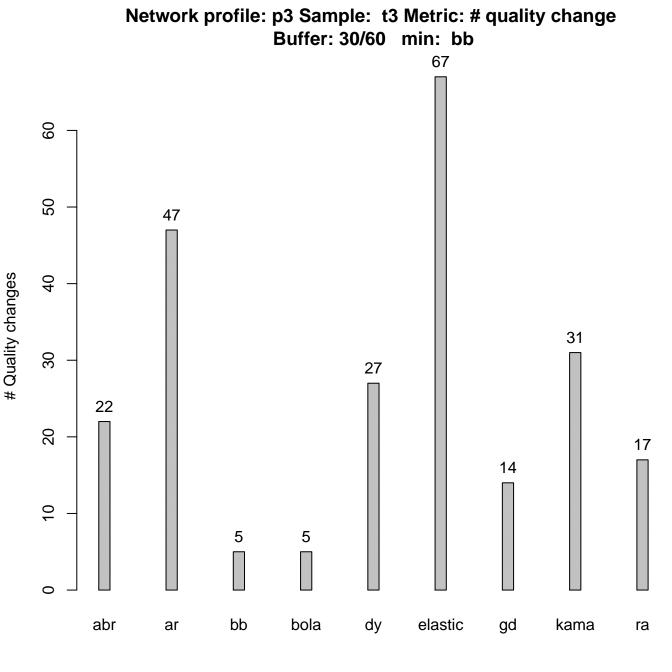
bola

dy

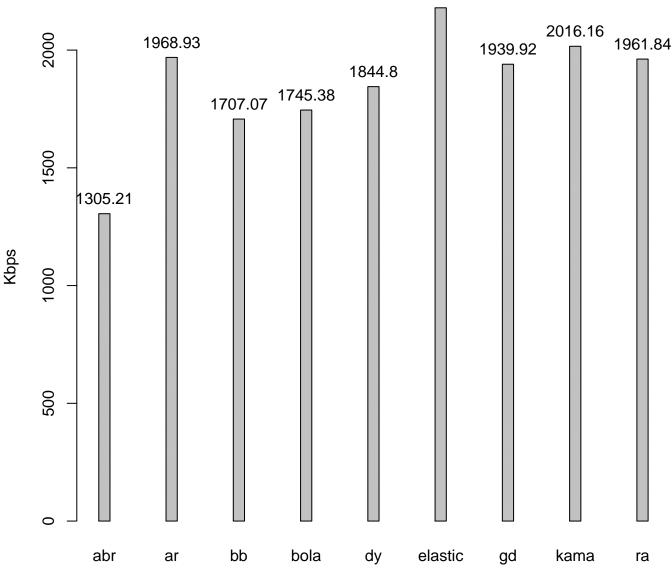




Network profile: p3 Sample: t3 Metric: Inefficiency Buffer: 30/60 min: elastic 0.307053 0.299722 0.277406 0.25 0.219575 0.198823 0.194654 0.20 0.177866 Inefficiency 0.15 0.143536 0.10 0.05 elastic abr bb bola dy kama ar gd ra



Network profile: p3 Sample: t4 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
2179.59

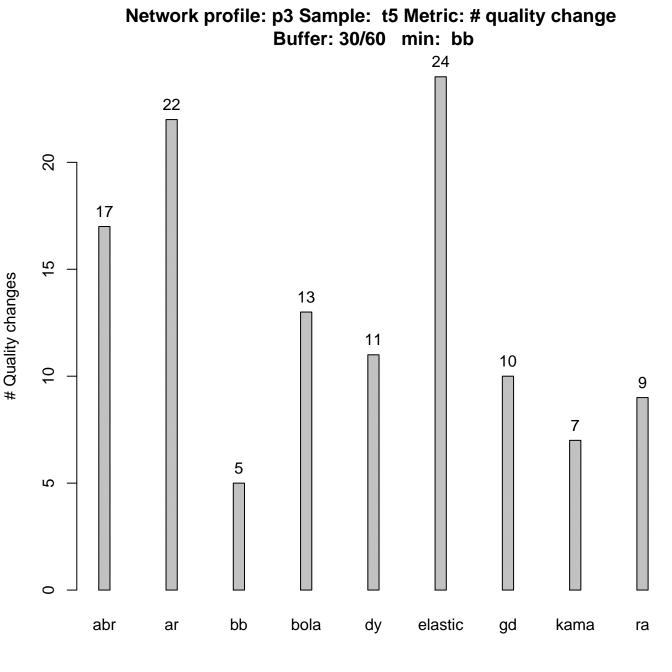


Network profile: p3 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.32614 0.300885 0.30 0.258604 0.249373 0.25 0.236861 0.221095<sup>0.225852</sup> 0.221356 0.20 Inefficiency 0.153003 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

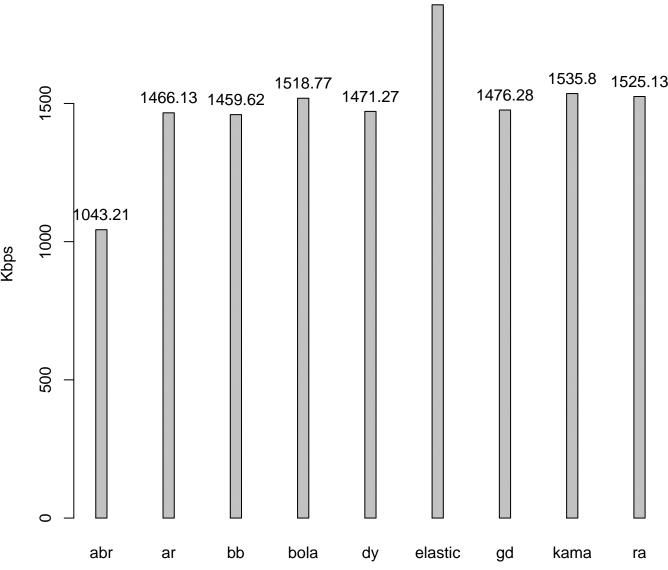
Network profile: p3 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 21 20 17 17 15 15 14 # Quality changes 10 10 9 2 3 bola elastic abr bb dy gd kama ar ra

Network profile: p3 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 1795.5 1495.83 1500 1391.66 1364.77 1327.19 1355.14 1286.44 1000 855.364 538.535 500 bola elastic abr bb dy kama ar gd ra

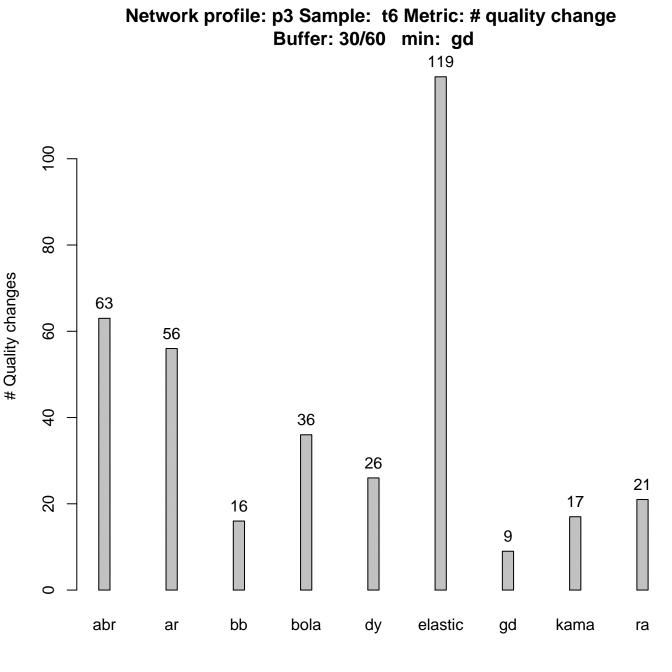
Network profile: p3 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: elastic 0.690546 0.5 0.438014 ₫.391478 0.384744 0.378874 Inefficiency 0.35181 0.316536 0.315965 0.3 0.25832 0.2 elastic abr bb bola dy kama ar gd ra



Network profile: p3 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1856.94



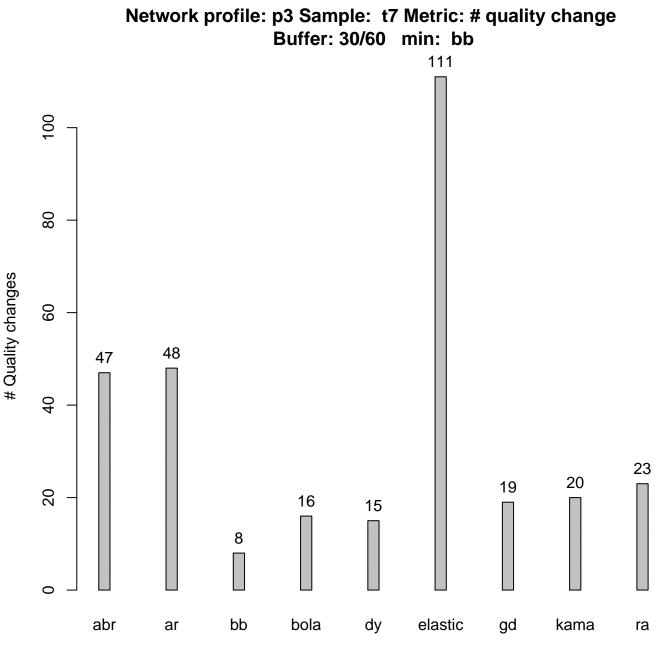
Network profile: p3 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.510776 0.5 0.38328 0.360751 0.301644 0.296627 0.3 0.286365 0.273505 Inefficiency 0.259001 0.220539 elastic abr bb bola dy kama ar gd ra

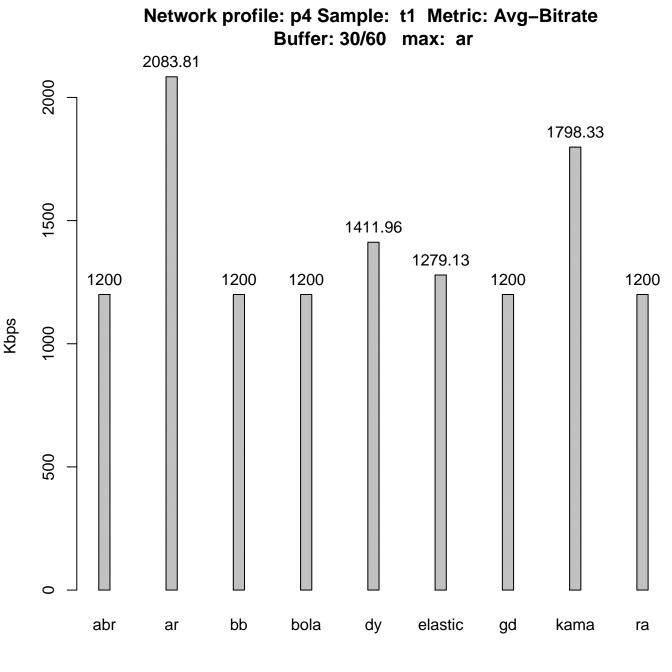


Network profile: p3 Sample: t7 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 1776.07 1700.7 1703.21 1675.53 1572.51 1512.34 1514.53 1500 1390.08 957.326 500 elastic abr bb bola dy kama ar gd ra

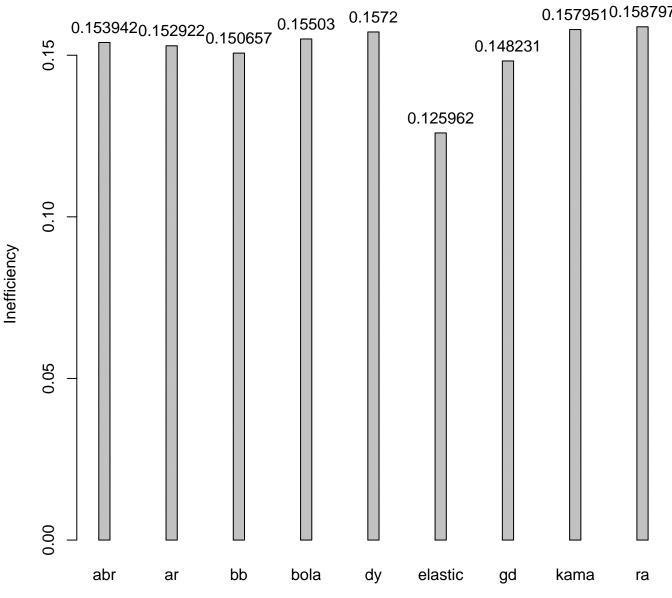
Buffer: 30/60 min: elastic 0.536833 0.464561 0.405936 0.317989 - 0.330579 0.3213730.326462 0.315951 0.285606 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

**Network profile: p3 Sample: t7 Metric: Inefficiency** 

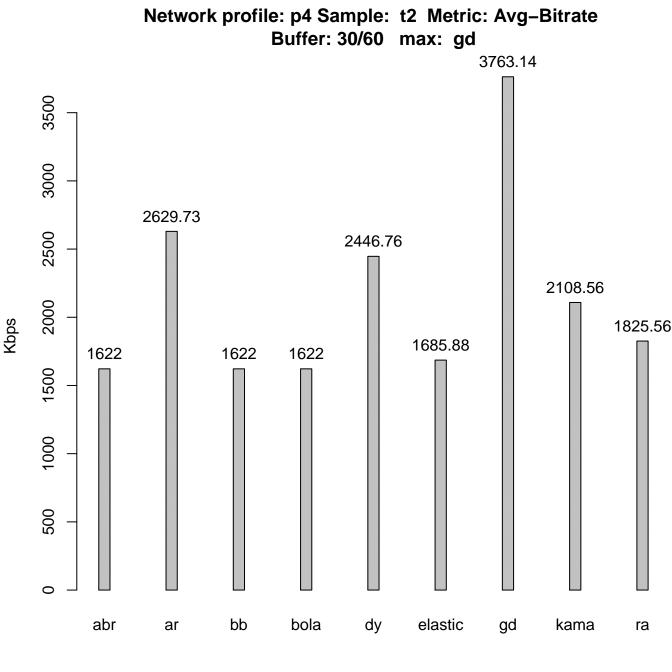


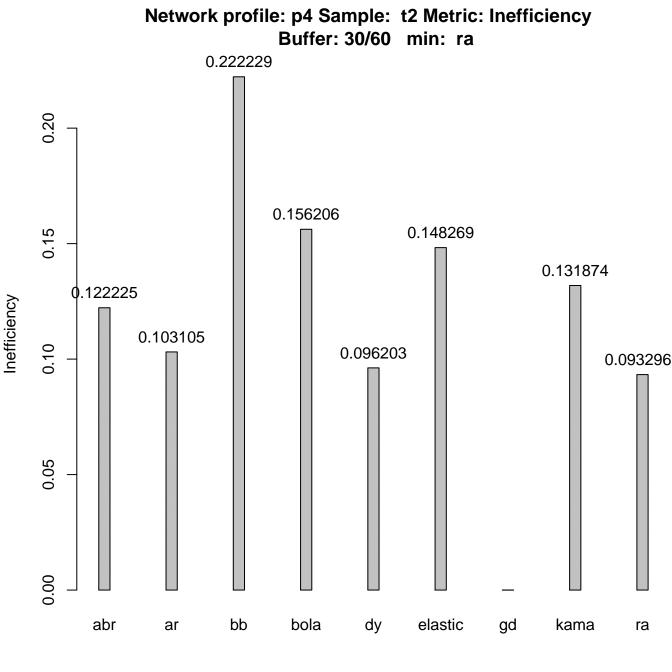


Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 30/60 min: elastic



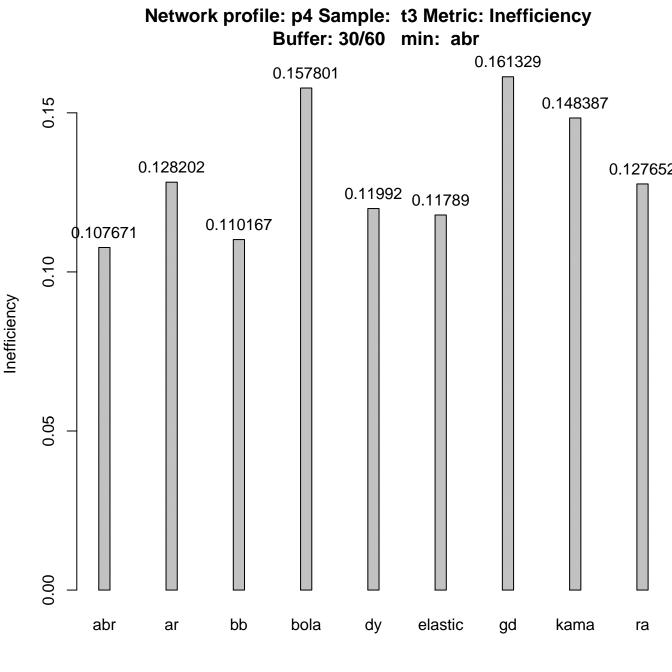
Network profile: p4 Sample: t1 Metric: # quality change Buffer: 30/60 min: abr 30 30 25 20 # Quality changes 15 14 10 10 8 2 bola elastic abr bb dy gd kama ar ra





Network profile: p4 Sample: t2 Metric: # quality change Buffer: 30/60 min: abr 18 15 14 # Quality changes 10 8 2 bola elastic abr bb dy gd kama ar ra

Network profile: p4 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: ar 2034.12 2000 1978.01 1912.71 1945.42 1701.24 1649.38 1548.81 1500 1281 1198 1000 500 bola elastic abr bb dy gd kama ar ra

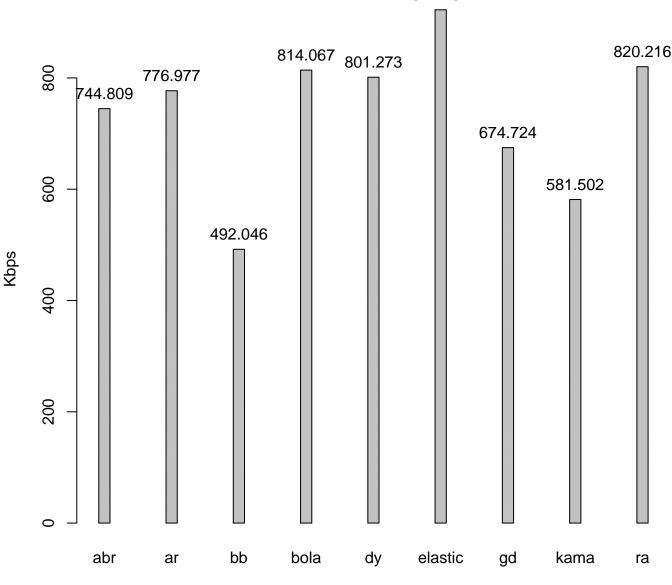


Network profile: p4 Sample: t3 Metric: # quality change Buffer: 30/60 min: abr 59 50 41 4 # Quality changes 33 30 20 19 20 15 14 10 bola elastic abr bb dy gd kama ar ra

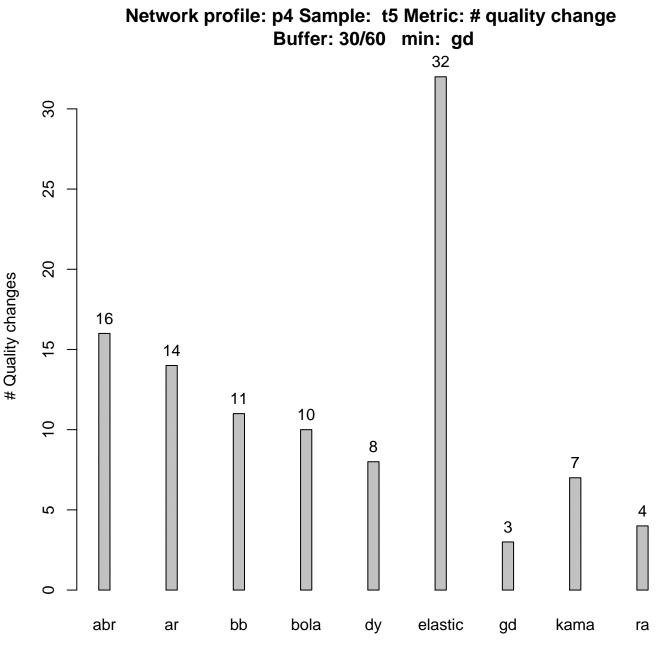
Network profile: p4 Sample: t4 Metric: Avg-Bitrate Buffer: 30/60 max: ar 1875.89 1789.03 1663.31 1500 1460.93 1428.36 1380.28 1143 1143 1143 500 bola elastic abr bb dy gd kama ar ra

**Network profile: p4 Sample: t4 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.132667 0.132387 0.1291970.129997 0.128381 0.124582 <sup>∞</sup> 7.115572 0.114813 0.10852 0.10 0.08 Inefficiency 90.0 0.04 0.02 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t4 Metric: # quality change Buffer: 30/60 min: abr 21 20 17 15 15 13 # Quality changes 5 2 bola elastic abr bb dy kama ar gd ra Network profile: p4 Sample: t5 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
922.491



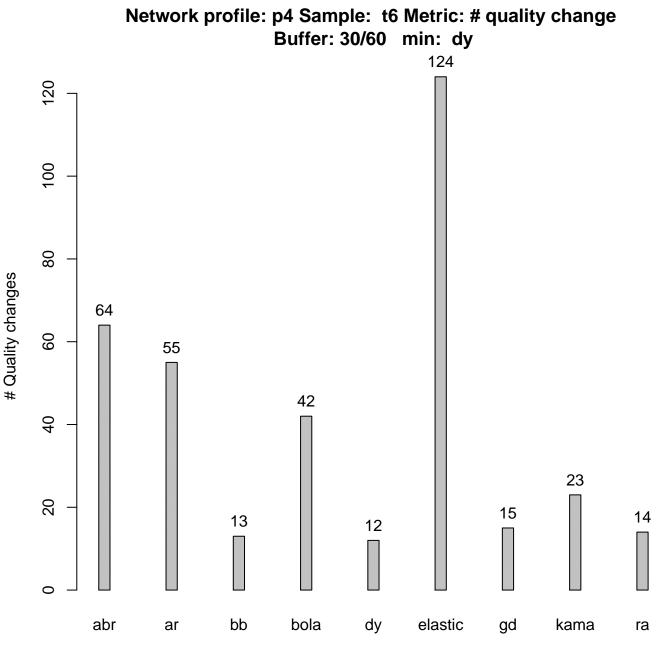
Network profile: p4 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: ra 0.531546 0.425015 -0.384774 0.3489 0.317665 0.311773 0.295525 0.290822 0.284639 Inefficiency 0.2 0.1 elastic abr bb bola dy kama ar gd ra



Buffer: 30/60 max: elastic 1030.2 1000 965.26 950.044 913.018 927.762 913.103 902.982 864.458 800 598.847 900 400 200 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t6 Metric: Avg-Bitrate

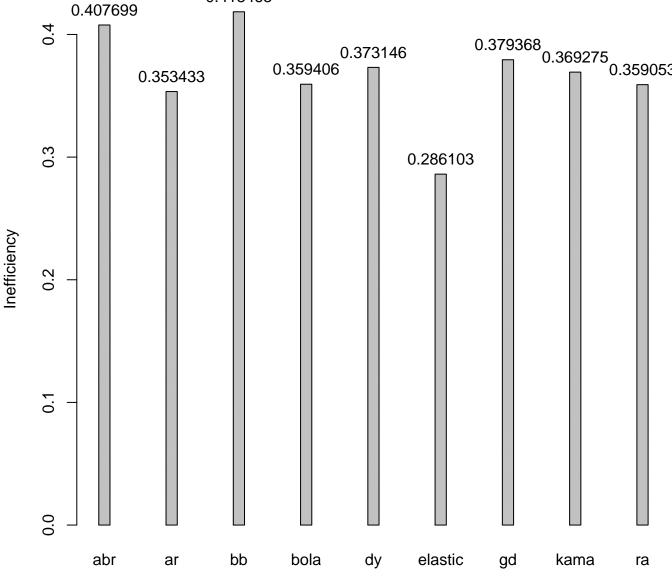
**Network profile: p4 Sample: t6 Metric: Inefficiency** Buffer: 30/60 min: elastic 0.434046 0.370689 0.361777 0.305963 0.292626 0.264535 0.256836 0.252013 Inefficiency 0.220278 elastic abr bb bola dy kama ar gd ra



**Buffer: 30/60** max: ar 1233.15 1200 1097.53 1062.57 1010.37 1004.14 1004.52 1000 986.573 843.693 800 009 490.915 400 200 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t7 Metric: Avg-Bitrate

Network profile: p4 Sample: t7 Metric: Inefficiency
Buffer: 30/60 min: elastic
0.418465



Network profile: p4 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 90 80 9 53 # Quality changes 48 46 42 4 26 24 20 10 bola elastic abr bb dy gd kama ar ra