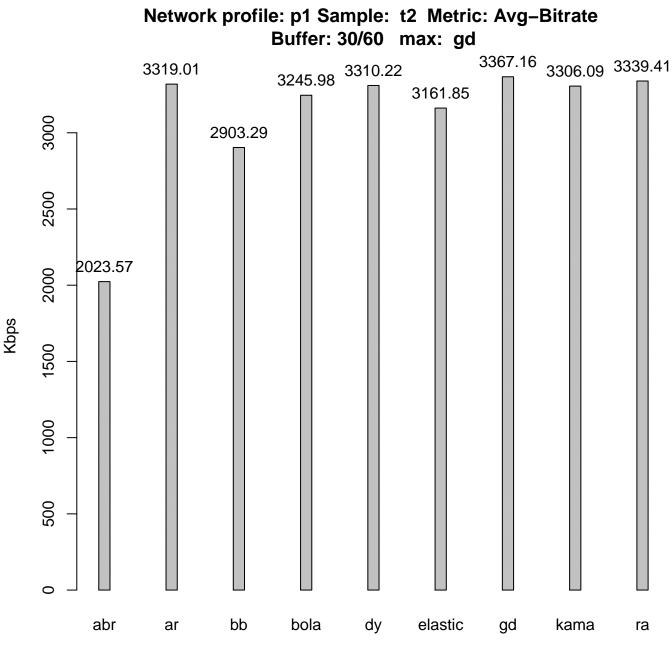


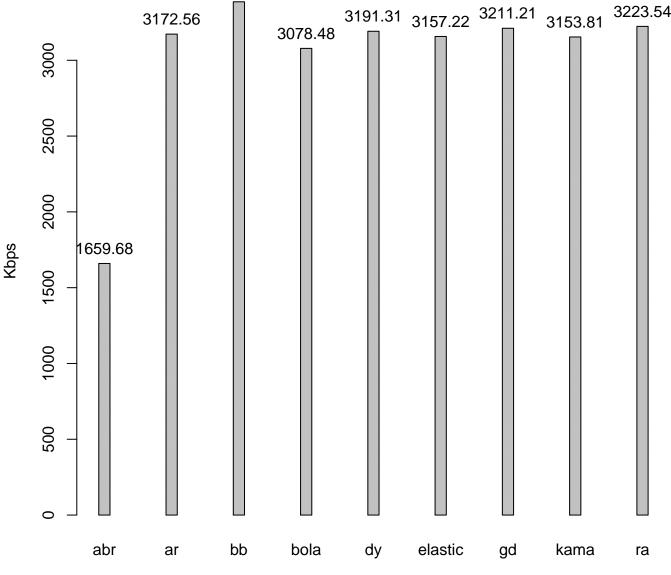
Network profile: p1 Sample: t1 Metric: # quality change Buffer: 30/60 min: bb 77 73 70 67 65 61 9 20 45 # Quality changes 40 30 20 10 8 6 bola elastic abr bb dy gd kama ar ra

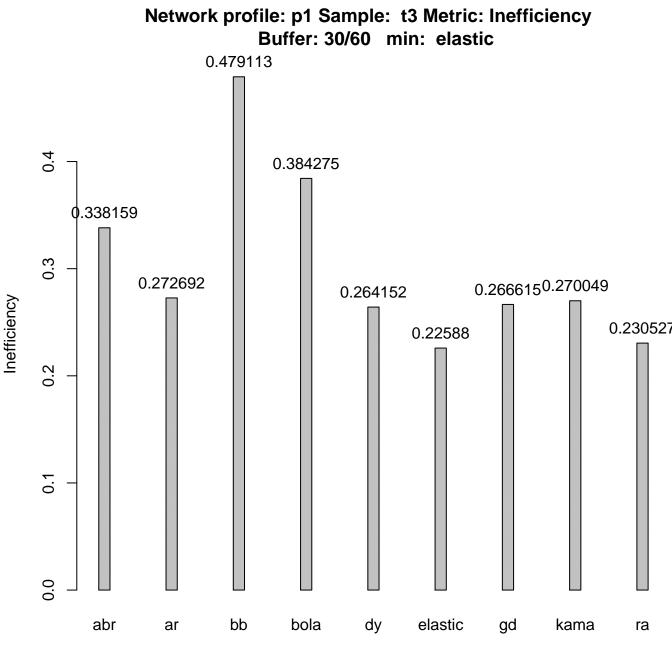


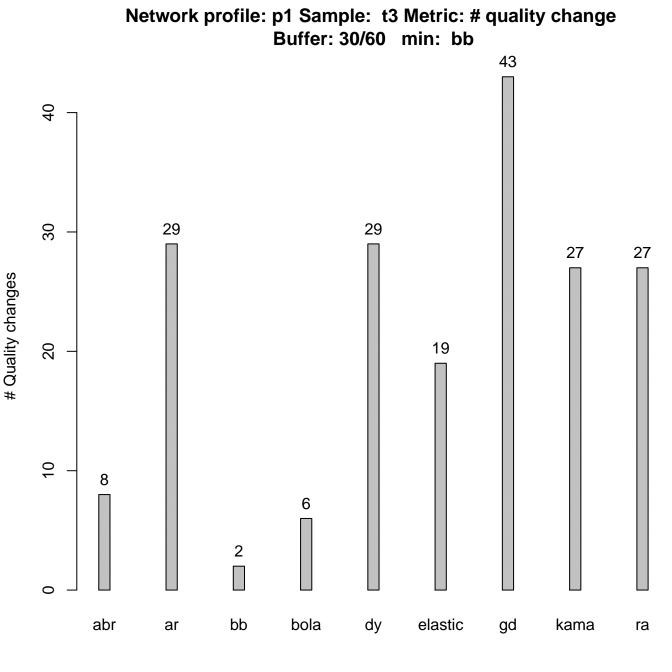
Network profile: p1 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.393772 0.3 0.2721570.275196 0.274826 0.261874 0.221222 Inefficiency 0.161451 0.1 elastic abr bb bola dy kama ar gd ra

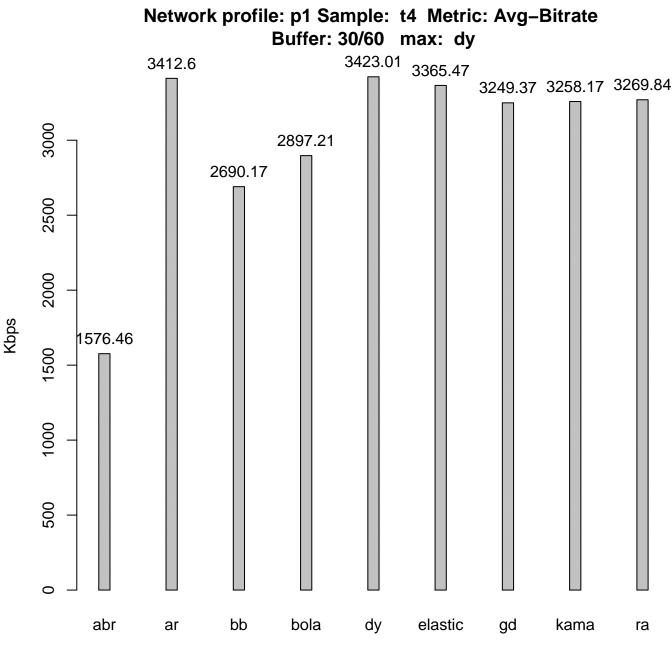
Network profile: p1 Sample: t2 Metric: # quality change Buffer: 30/60 min: bb 34 30 28 26 25 24 24 # Quality changes 20 17 15 10 10 6 2 4 bola elastic abr bb dy gd kama ar ra

Network profile: p1 Sample: t3 Metric: Avg-Bitrate
Buffer: 30/60 max: bb
3385.77

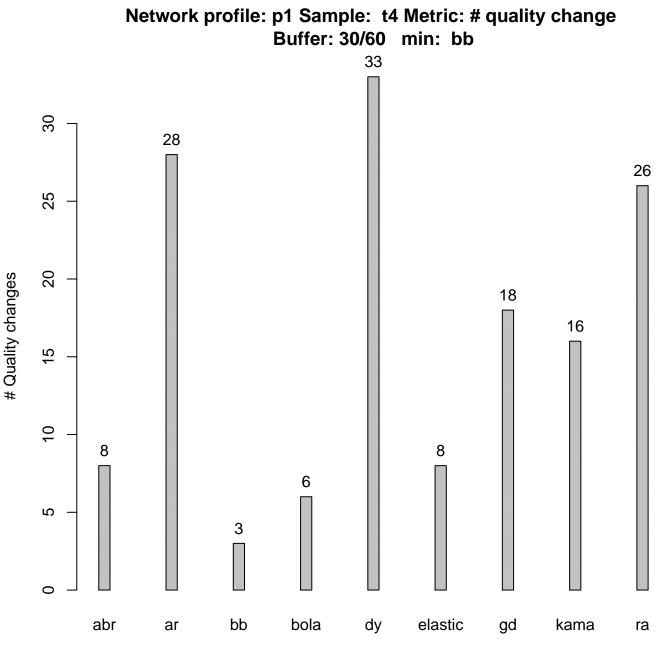








Network profile: p1 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.445321 70.382409 0.335417 0.258538 0.242354 Inefficiency 0.221333 0.19535 0.191647 0.143342 elastic abr bb bola dy kama ar gd ra



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

2077.89

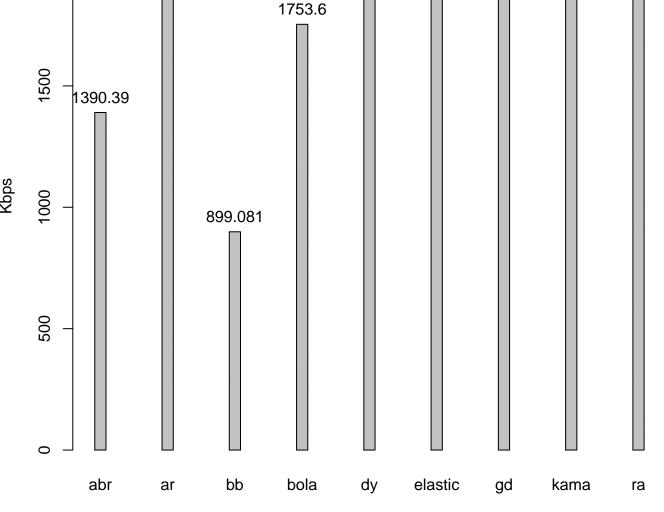
2078.38

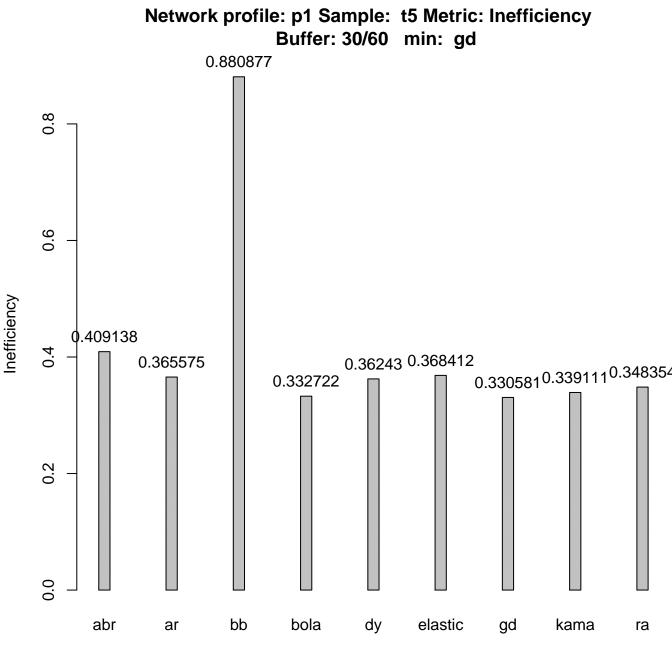
2014.1

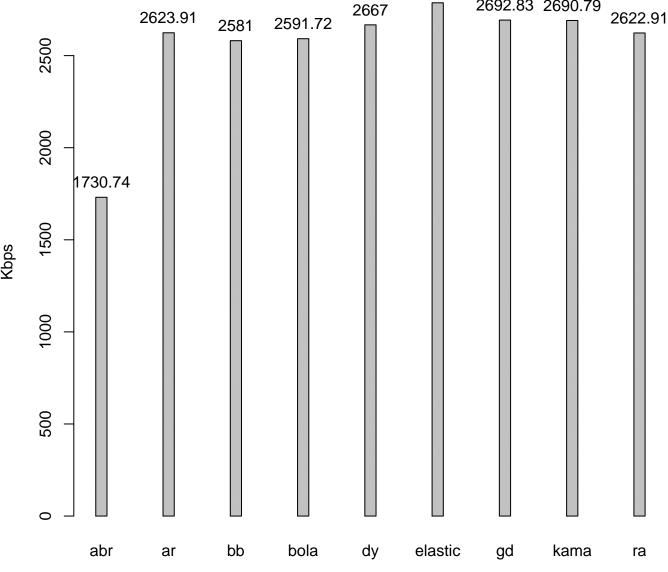
1921.06

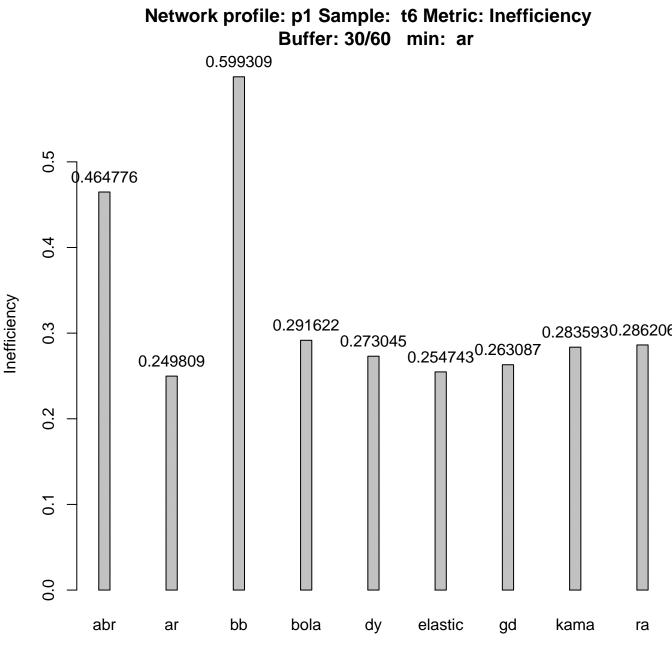
1753.6

2000

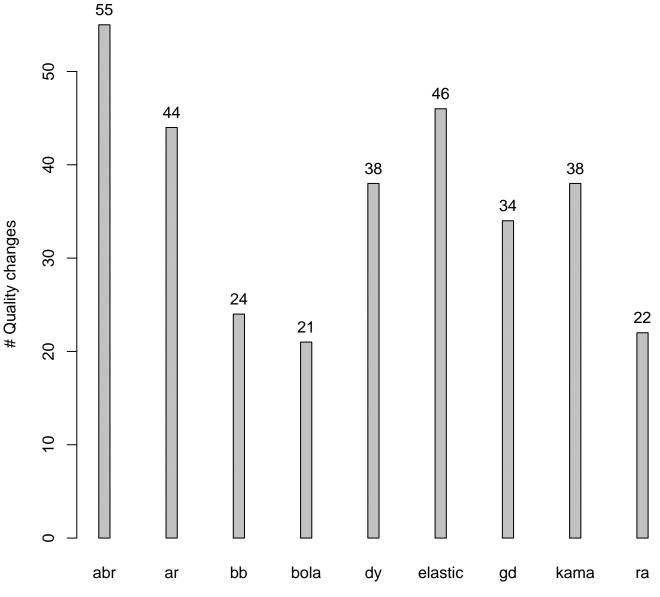




Network profile: p1 Sample: t5 Metric: # quality change Buffer: 30/60 min: elastic 10 10 9 8 8 ∞ 6 6 6 6 # Quality changes 9 4 $^{\circ}$ bola elastic abr bb dy gd kama ar ra 



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



Network profile: p1 Sample: t7 Metric: Avg-Bitrate **Buffer: 30/60** max: ra 2725.68 2664 2627.13 2657.37 2639.93 2623.19 2603.5 2523.29 2500 2466.26 2000 1500 1000 500

abr

bb

ar

bola

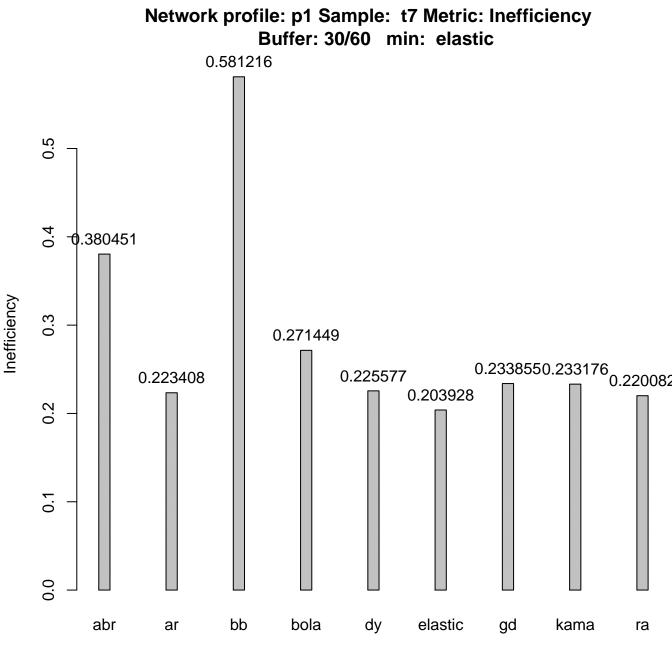
elastic

gd

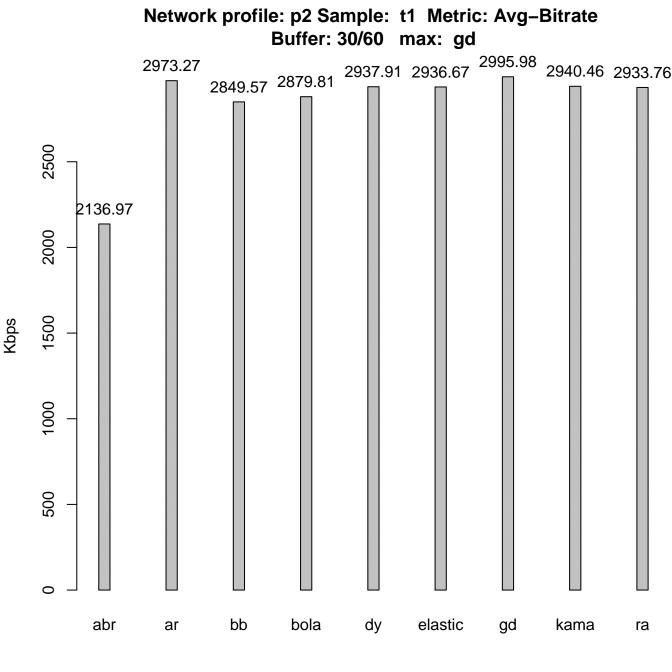
kama

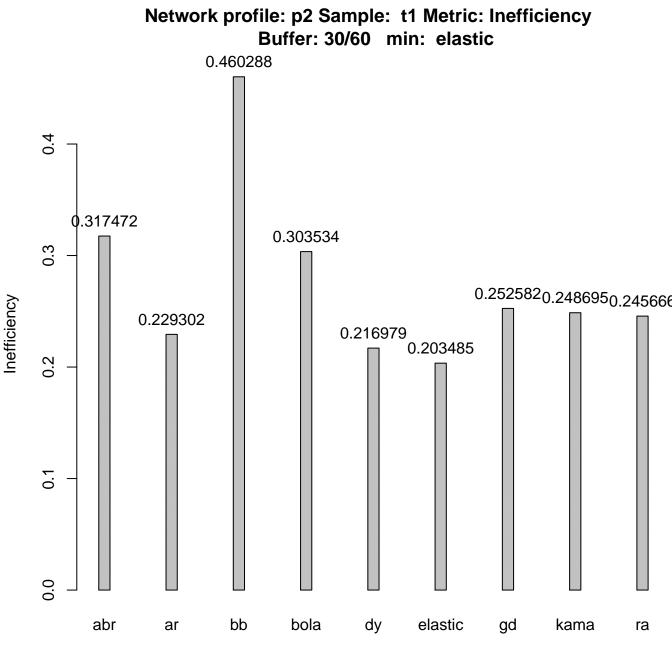
ra

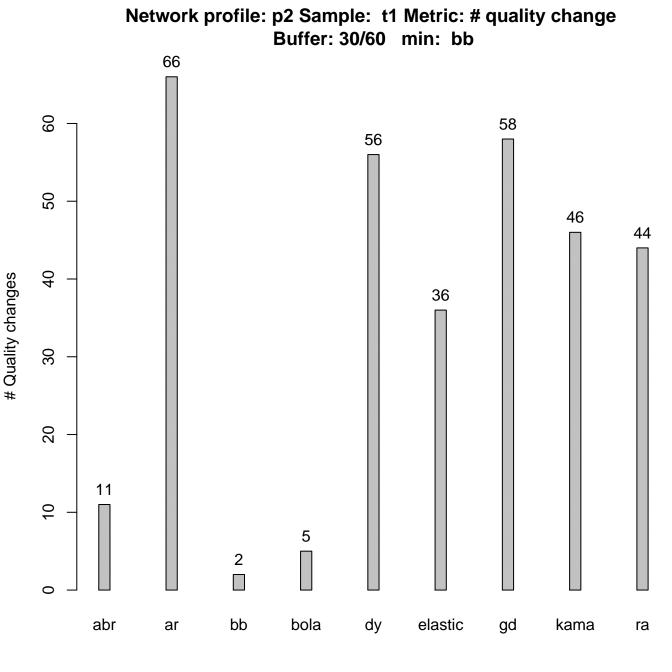
dy



Network profile: p1 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 47 4 38 36 34 33 30 30 30 # Quality changes 20 18 10 7 bola elastic abr bb dy gd kama ar ra

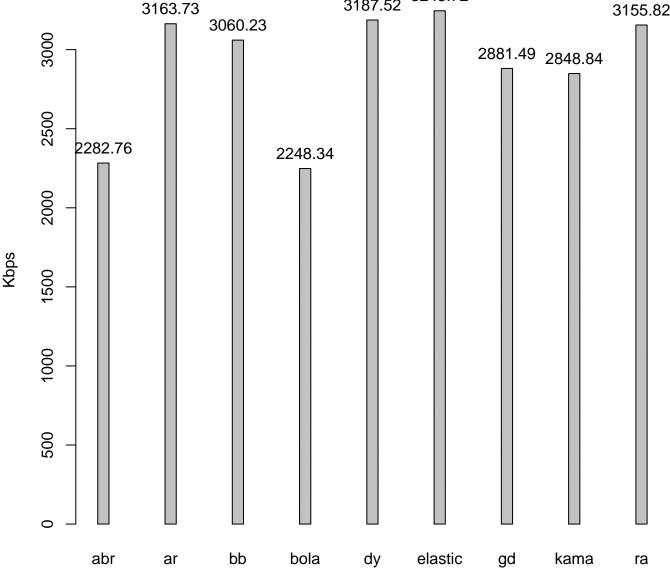




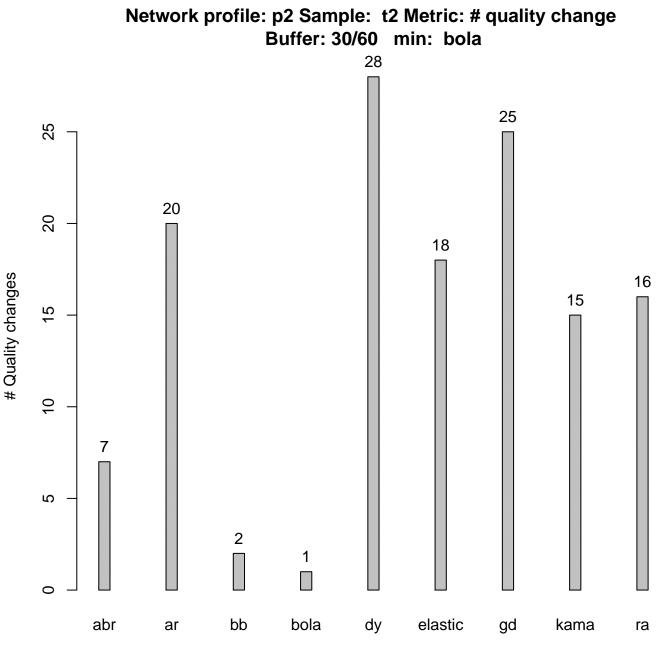


Network profile: p2 Sample: t2 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic

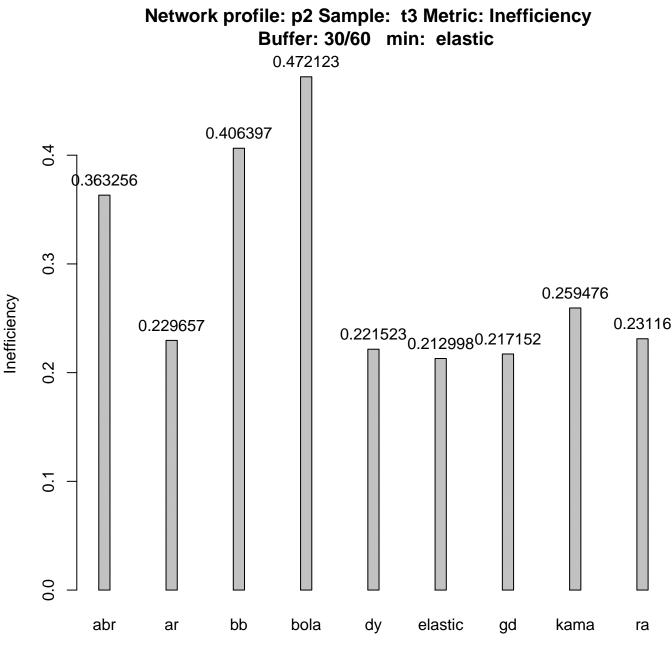
3163.73



Network profile: p2 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.325926 0.316141 0.30 0.274942 0.25 $0.2090860.208402^{0.212347}$ 0.210424 0.204711 0.20 Inefficiency 0.167881 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra



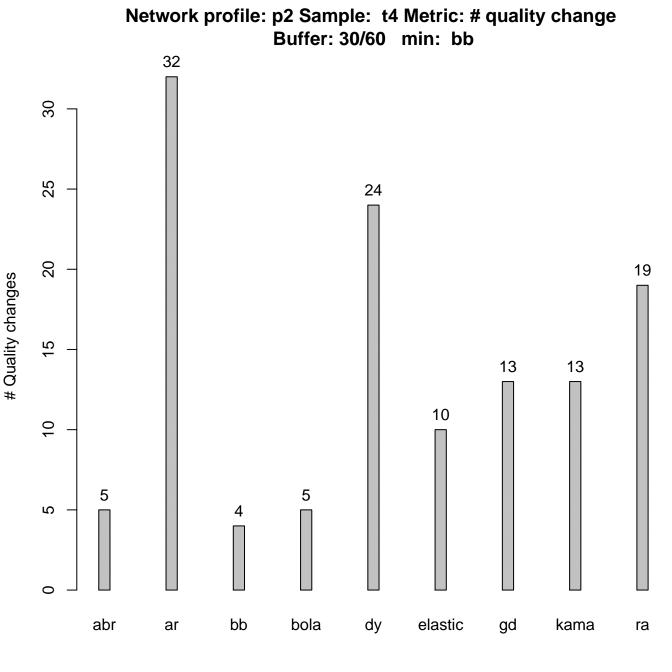
Network profile: p2 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: bb 3365.54 3249.49 3292.14 3239.23 3313.29 3297.13 3249.96 3000 2500 2000 1962.55 Kbps 1500 1198 1000 500 elastic abr bola dy kama ar bb gd ra



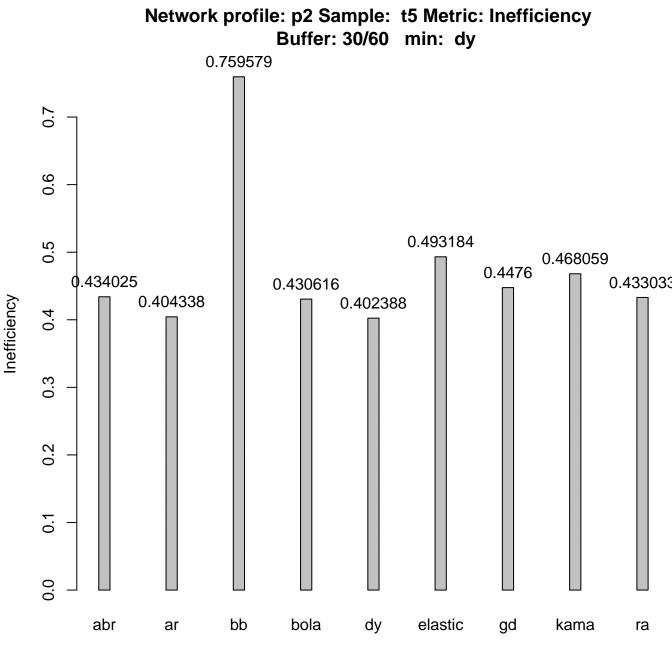
Network profile: p2 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 50 50 46 42 40 40 38 36 # Quality changes 30 20 13 10 bola elastic abr bb dy gd kama ar ra

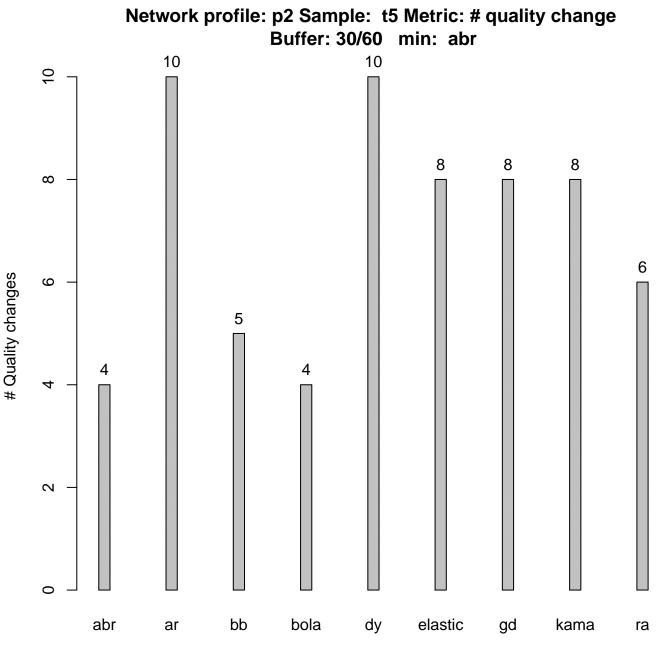
Network profile: p2 Sample: t4 Metric: Avg-Bitrate Buffer: 30/60 max: bb 3336.85 3249.76 3270.12 3184.9 3000 2844.12 2897.59 2893.51 2872.66 2500 2000 1763.98 Kbps 1500 1000 500 elastic abr bb bola dy kama ar gd ra

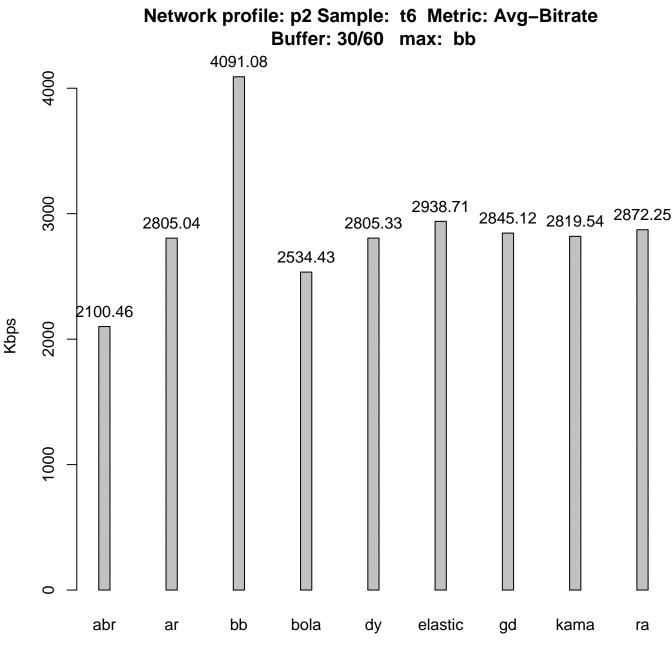
Network profile: p2 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.44983 **_Q.390573** 0.294352 Inefficiency 0.192587^{0.198094}0.19362 0.184259 0.166909 0.127468 0.1 elastic abr bb bola dy kama ar gd ra



Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: dy 1963.43 1963.97 1852.16 1840.93 1839.93 1835.02 1794.11 1500 1200.02 547.678 500 elastic abr bb bola dy kama ar gd ra



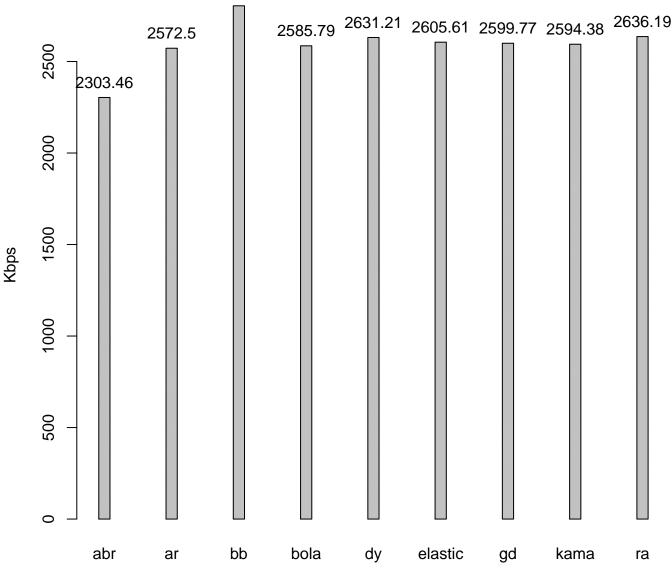


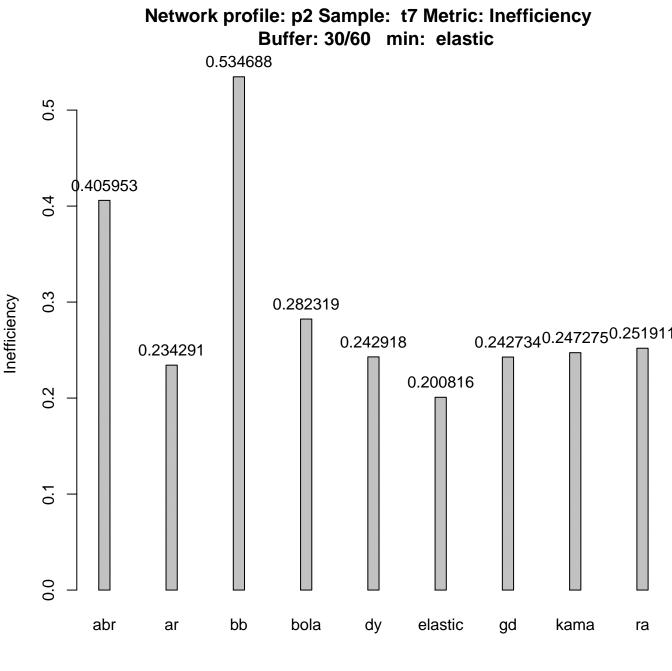


Network profile: p2 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.549936 4.388533 0.300222 Inefficiency 0.2688390.272863^{0.278572} 0.259719 0.259651 0.236415 elastic abr bb bola dy kama ar gd ra

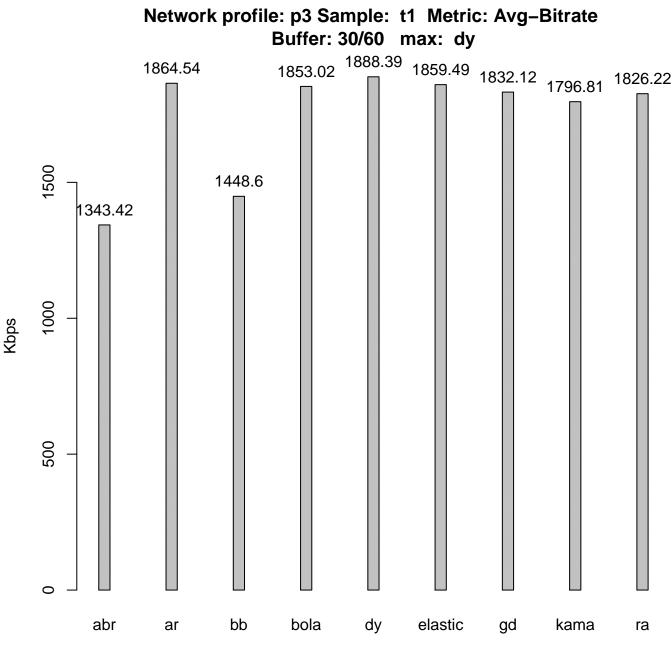
Network profile: p2 Sample: t6 Metric: # quality change Buffer: 30/60 min: bola 46 42 40 38 38 32 30 28 # Quality changes 24 23 20 19 10 bola elastic abr bb dy gd kama ar ra

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

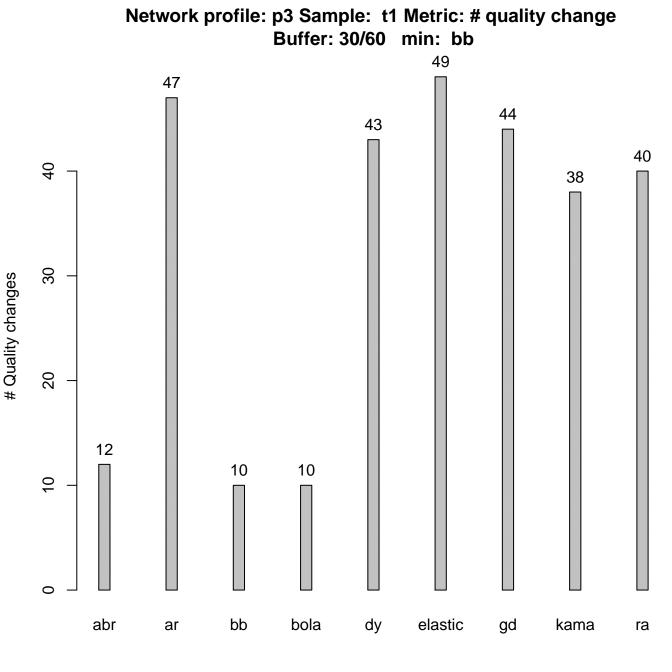




Network profile: p2 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 46 40 33 32 32 30 # Quality changes 26 20 20 16 16 10 8 bola elastic abr bb dy gd kama ar ra



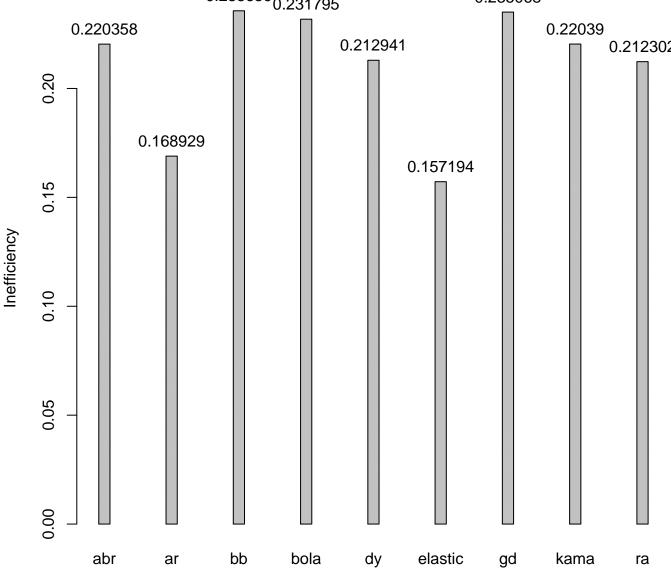
Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.358693 0.35 0.323575 0.30 0.2782 0.26723 0.265315 0.25817 0.25 0.243011 0.209526 0.199037 0.20 Inefficiency 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

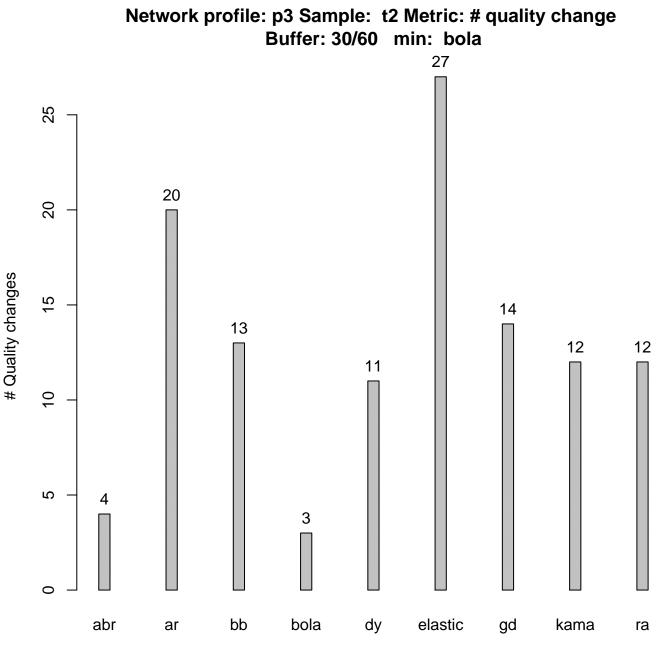


Network profile: p3 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: gd 2528.93 2500 2219.99 2120.54 2079.02 2129.93 2131.43 2085.96 2097.27 2000 1699.53 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t2 Metric: Inefficiency
Buffer: 30/60 min: elastic

0.235659
0.231795
0.235068

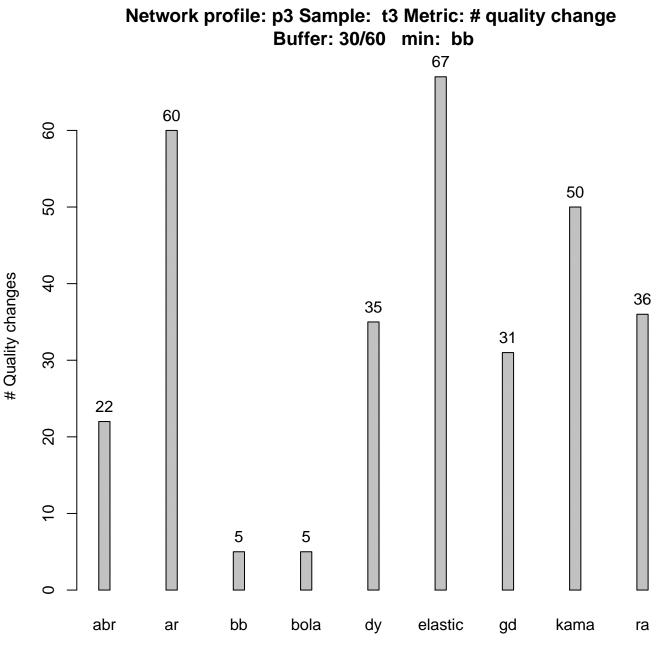


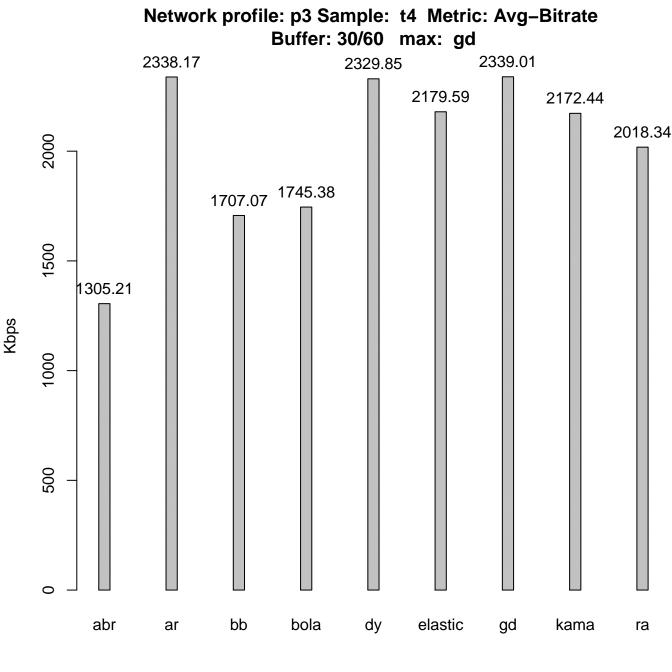


Network profile: p3 Sample: t3 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 2593.59 2590.04 2485.71 2493.92 2500 2391.29 2305.47 2154.28 2000 1882.41 1500 1321.73 1000 500 elastic abr bb bola dy kama ar gd ra

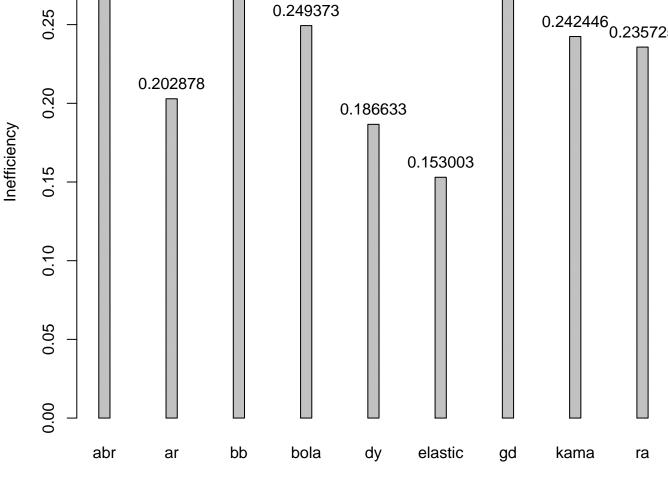
Buffer: 30/60 min: elastic 0.307053 0.299722 0.25 0.225953 0.219575 0.20 0.187409 0.179986 0.174214 0.166999 Inefficiency 0.15 0.143536 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t3 Metric: Inefficiency





Network profile: p3 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.32614 0.300885 0.277769 0.249373 0.242446 0.202878 0.186633 0.153003

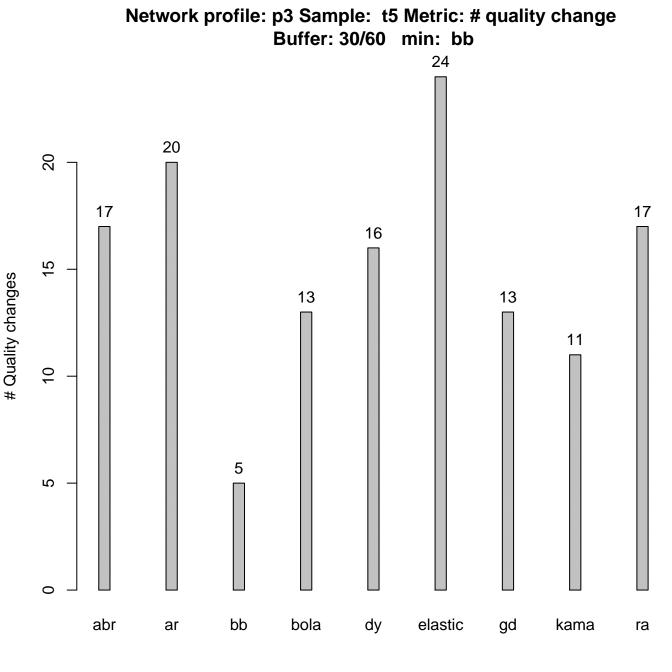


0.30

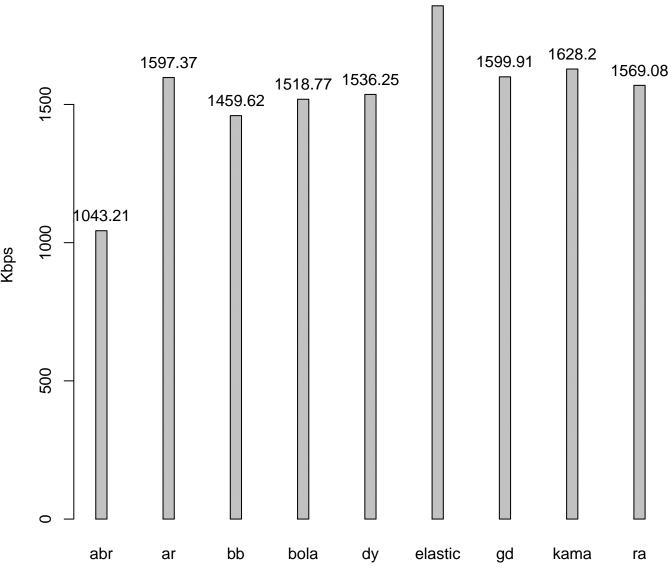
Network profile: p3 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 41 4 33 30 25 # Quality changes 21 20 16 15 10 10 3 bola elastic abr bb dy gd kama ar ra

Network profile: p3 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 1795.5 1610.34 1577.18 1495.83 1500 1432.14 1432.26 1362.05 1000 855.364 538.535 500 elastic abr bb bola dy kama ar gd ra

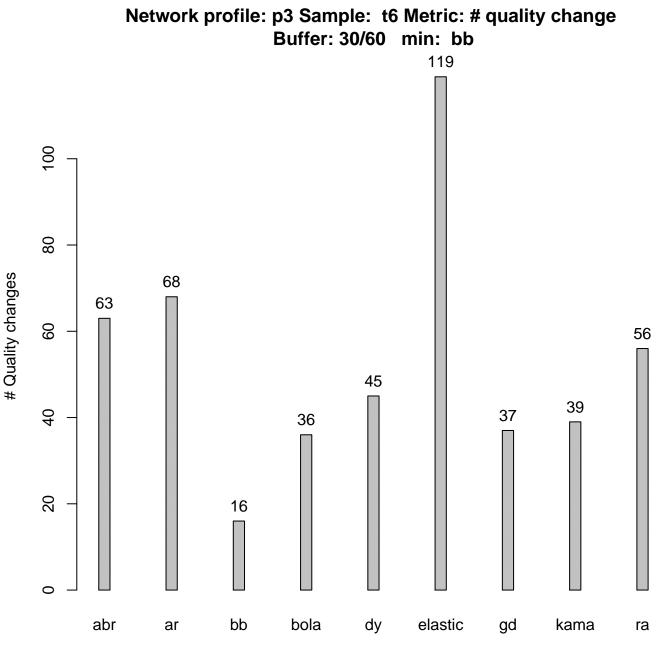
Network profile: p3 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: elastic 0.690546 0.5 0.429042 ₫.391478 0.384744 0.385281 Inefficiency 0.350321 0.287838 0.3 0.28371 0.25832 0.2 elastic abr bb bola dy kama ar gd ra



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



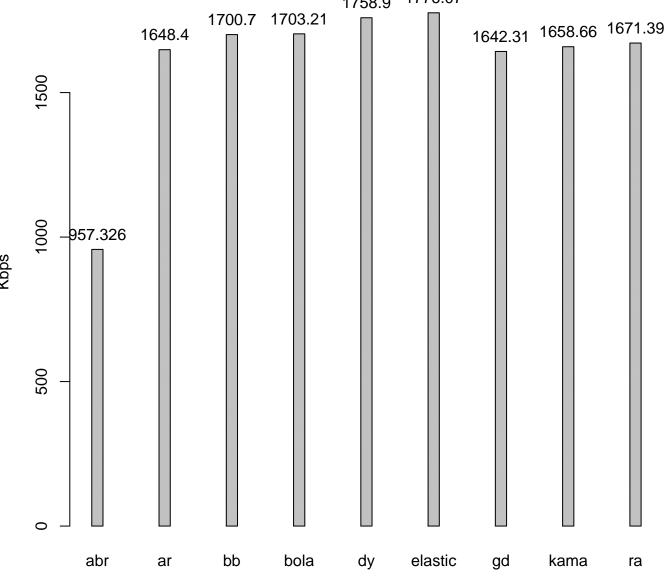
Network profile: p3 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.510776 0.5 0.38328 0.320644 0.31337 0.300173 0.291444 0.3 0.286365 Inefficiency 0.257916 0.220539 elastic abr bb bola dy kama ar gd ra



Network profile: p3 Sample: t7 Metric: Avg-Bitrate

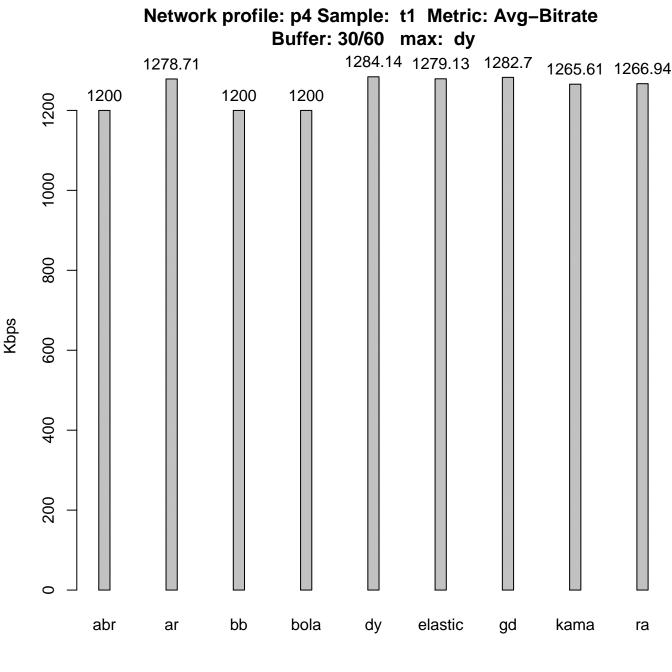
Buffer: 30/60 max: elastic

1758.9 1776.07

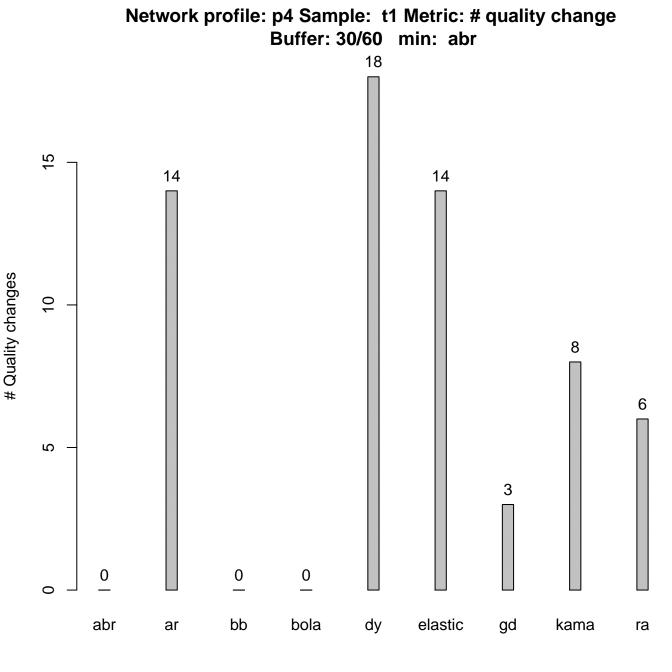


Network profile: p3 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: kama 0.536833 **0.464561** 0.326811 0.321373 0.304517 Inefficiency 0.285606 0.28267 0.2818150.283551 0.1 elastic abr bb bola dy kama ar gd ra

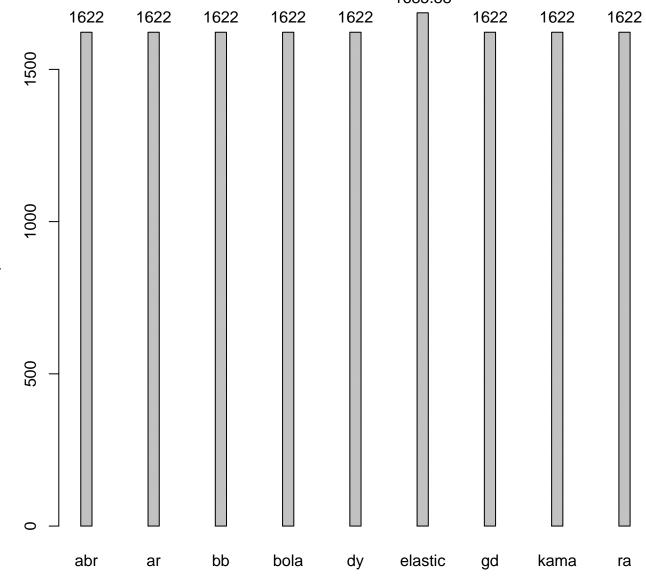
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 111 100 84 80 # Quality changes 9 47 45 41 40 34 31 20 16 8 abr bola elastic kama bb dy gd ar ra

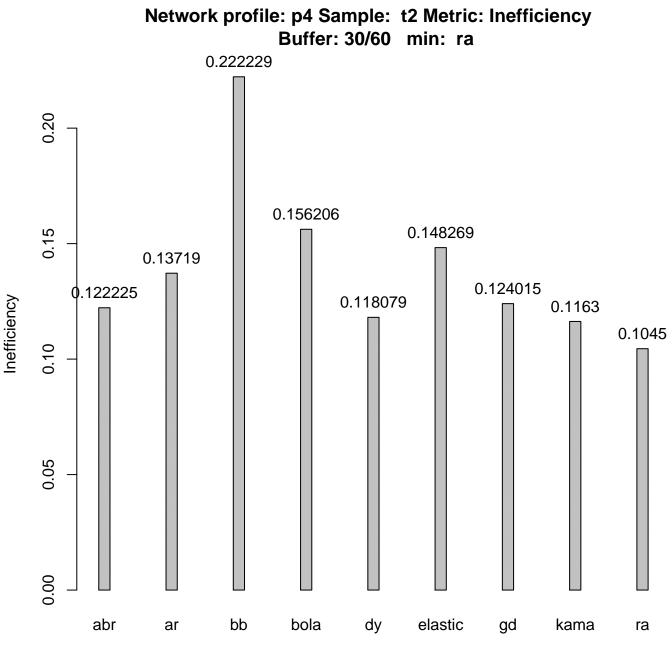


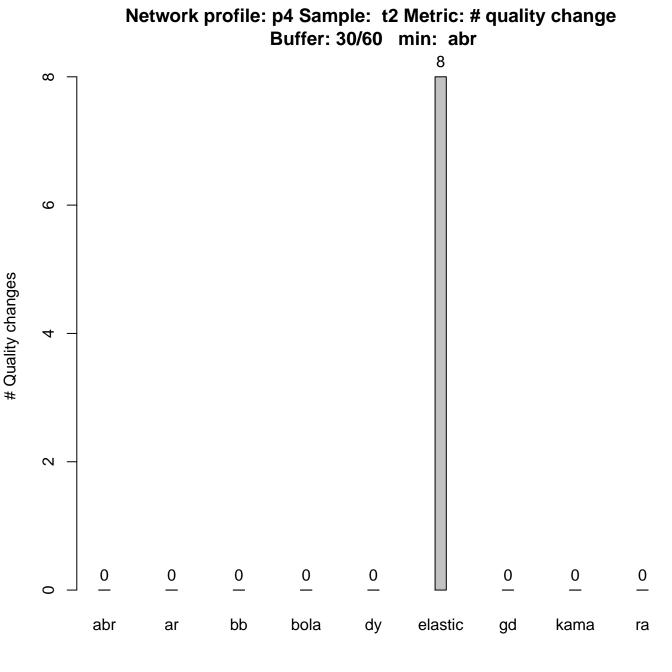
Network profile: p4 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.155489 0.15503 0.153942 0.150657 0.147531 0.1374570.138053 0.126424 0.125962 Inefficiency 0.05 elastic abr bb bola dy kama ar gd ra



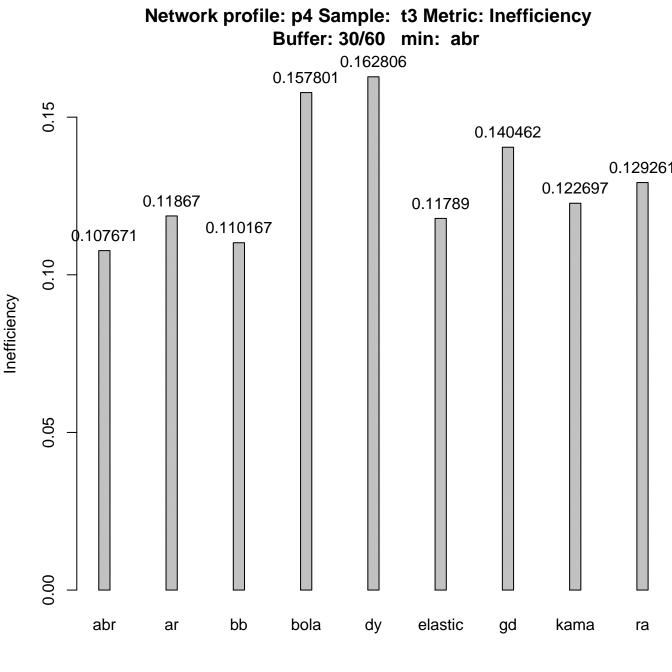
Network profile: p4 Sample: t2 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1685.88







Network profile: p4 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: gd 2006.48 2000 1863.95 1731.9 1701.24 1660.81 1663.18 1548.81 1500 1281 1198 1000 500 bola elastic abr bb dy gd kama ar ra

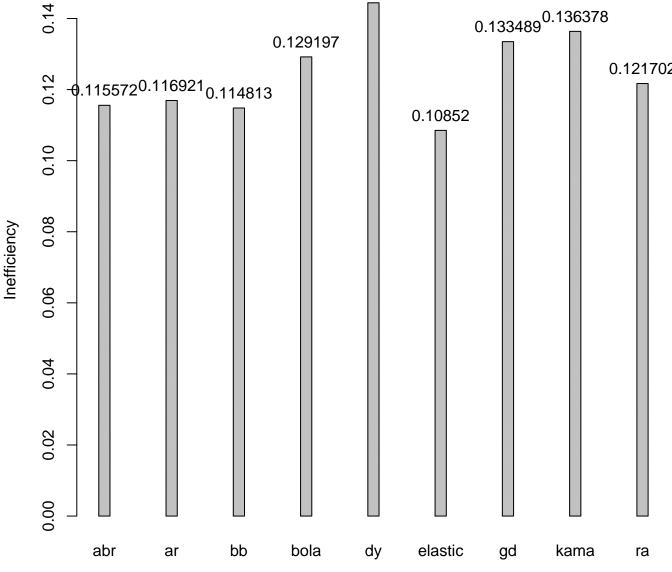


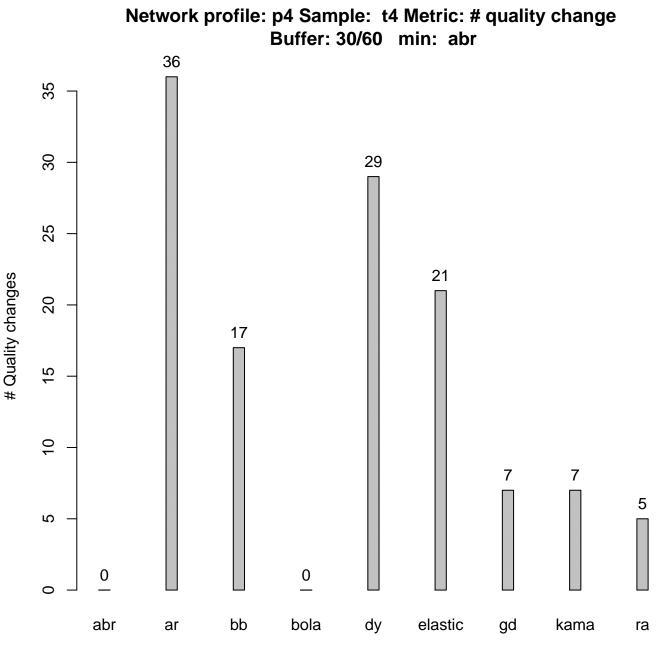
Network profile: p4 Sample: t3 Metric: # quality change Buffer: 30/60 min: abr 78 59 9 # Quality changes 38 33 33 28 23 20 bola elastic abr bb dy gd kama ar ra

Buffer: 30/60 max: dy 1697.38 1612.66 1500 1460.93 1428.36 1361.01 1374.74 1386.92 1143 1143 500 bola elastic abr bb dy gd kama ar ra

Network profile: p4 Sample: t4 Metric: Avg-Bitrate

Network profile: p4 Sample: t4 Metric: Inefficiency
Buffer: 30/60 min: elastic
0.144418



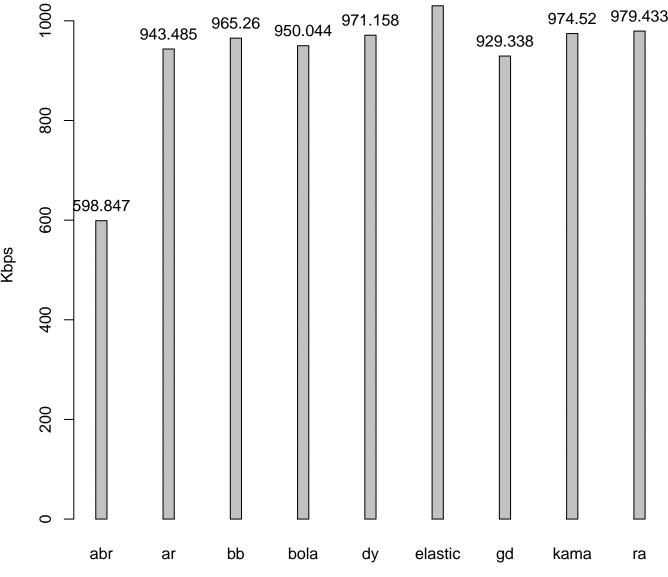


Network profile: p4 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: ar 1072.27 1039.22 1000 922.491 866.401 814.067 800 772.998 772.694 744.809 009 492.046 400 200 bola elastic abr bb dy kama ar gd ra

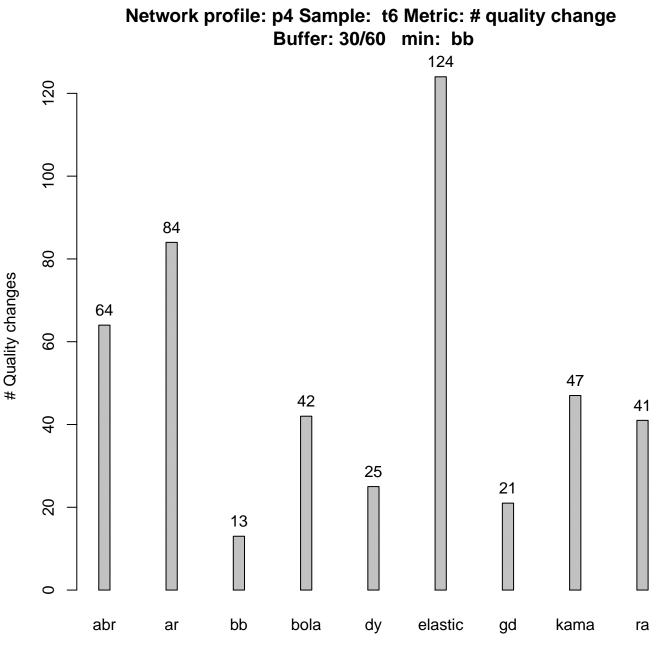
Network profile: p4 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: elastic 0.531546 -0.384774 0.355288 0.329858 0.32385 0.308432 0.304067 0.295525 0.290822 Inefficiency 0.2 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t5 Metric: # quality change Buffer: 30/60 min: bola 32 30 25 25 21 20 # Quality changes 18 16 16 15 14 11 10 10 2 bola elastic abr bb dy gd kama ar ra

Network profile: p4 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1030.2



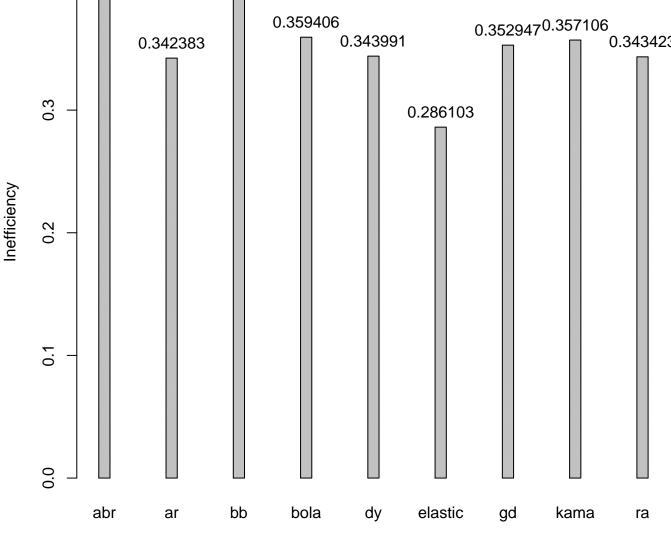
Network profile: p4 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.434046 0.370689 0.299864 0.292626 0.281289_{0.274093} 0.276039 0.270251 Inefficiency 0.220278 elastic abr bb bola dy kama ar gd ra



Buffer: 30/60 max: kama 1104.5 1097.53 1093.05 1090.41 1067.24 1056.1 1000 986.573 843.693 800 900 490.915 400 200 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 0.407699 0.359406 $0.352947^{ar{0}.357106}$ 0.343991 0.342383 0.286103



Network profile: p4 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 90 80 76 74 66 60 60 9 # Quality changes 4 24 20 10 bola elastic abr bb dy gd kama ar ra