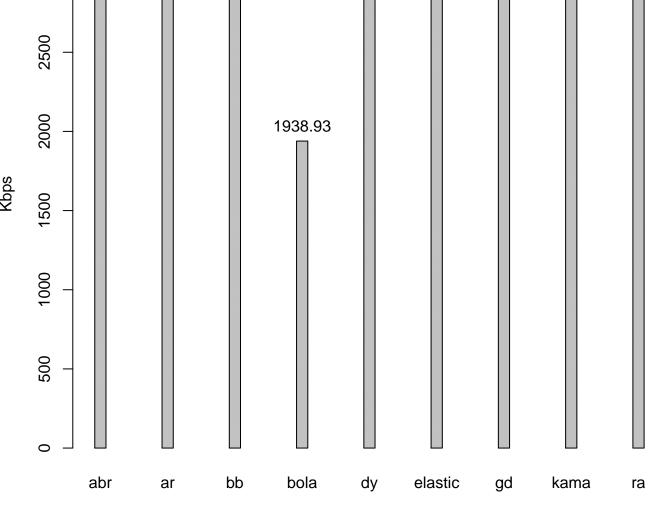
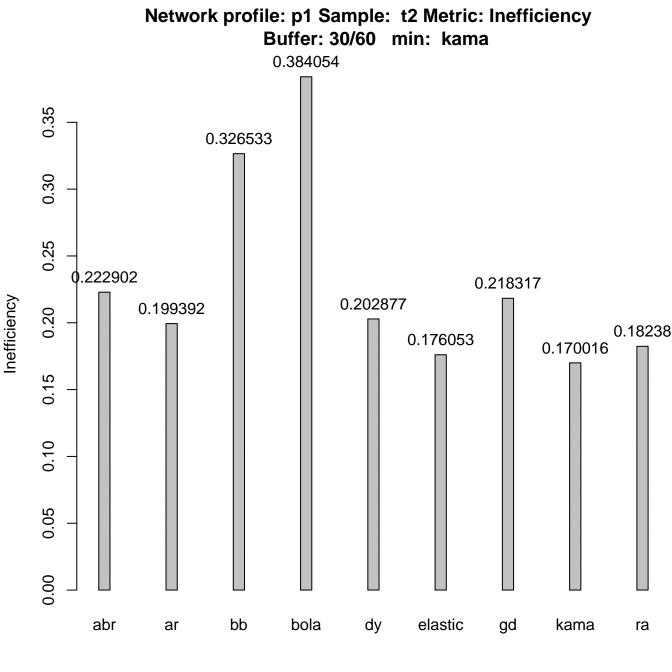


Network profile: p1 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: kama 3207.21 3165.17 3210.31 3241.86 3213.64 3192.17 3182.82 _2923.41 1938.93

3000

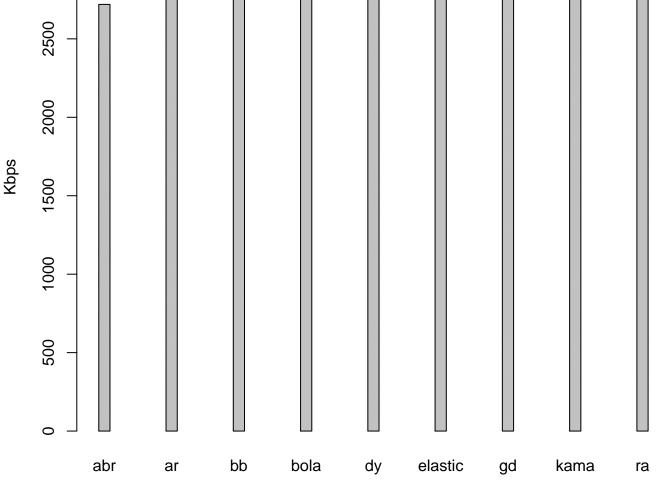




Network profile: p1 Sample: t2 Metric: # quality change Buffer: 30/60 min: bola 88 80 9 # Quality changes 40 26 23 20 20 19 20 18 9 4 abr bola elastic kama bb dy gd ar ra

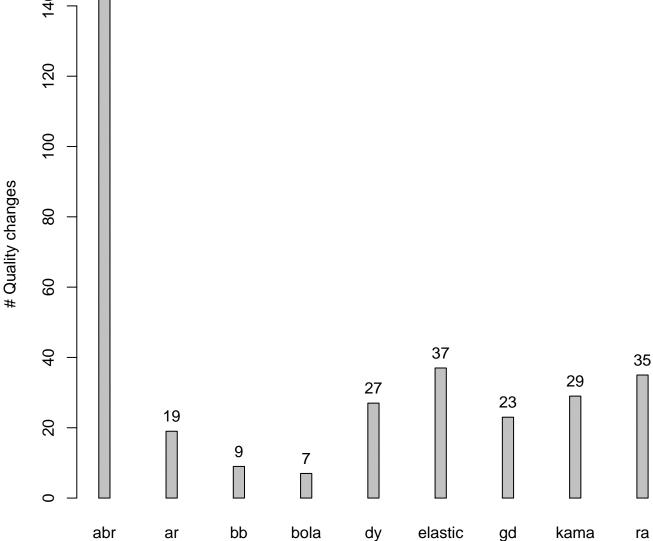
Network profile: p1 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: bb 3271.61 3170.72 3153.84 3182.96 3220.3 3197.33 3169.22 2887.93 2719.58

3000

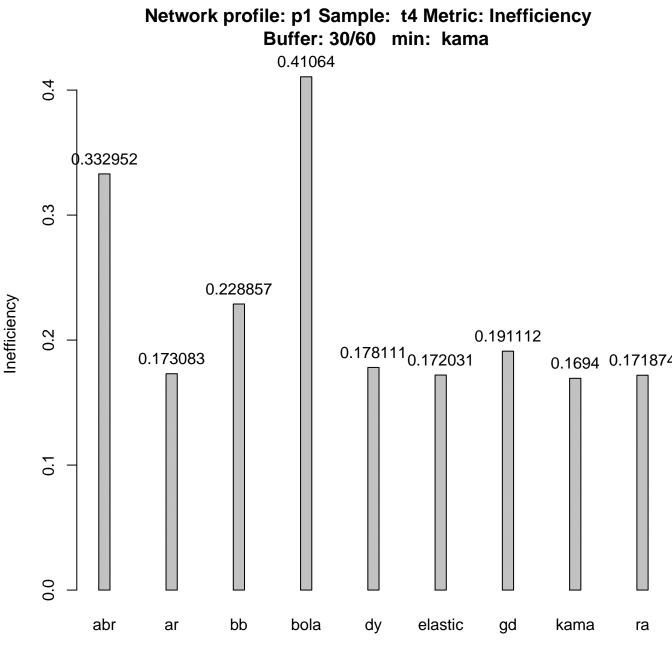


Network profile: p1 Sample: t3 Metric: Inefficiency Buffer: 30/60 min: ra 0.369909 0.35 0.325825 0.296171 0.30 0.274334 $0.273523_{0.268703}$ 0.272669 0.25 0.240502 0.219743 Inefficiency 0.20 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

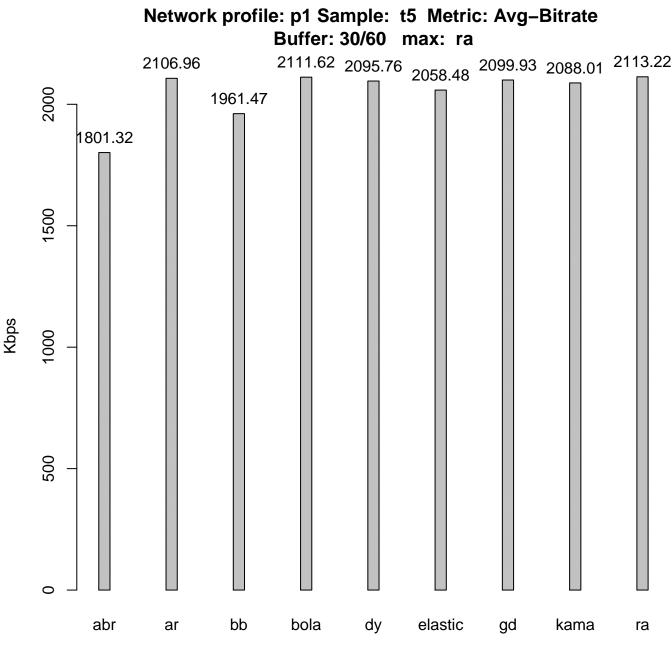
Network profile: p1 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola



Network profile: p1 Sample: t4 Metric: Avg-Bitrate Buffer: 30/60 max: gd 3432.42 3388.76 3391.31 3357.73 3362.56 3346 3227.89 3000 2506.9 2500 2303.02 2000 Kbps 1500 1000 500 elastic abr bb bola dy kama ar gd ra



Network profile: p1 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 78 9 # Quality changes 4 27 25 25 23 21 19 20 11 6 abr bola elastic kama bb dy gd ar ra



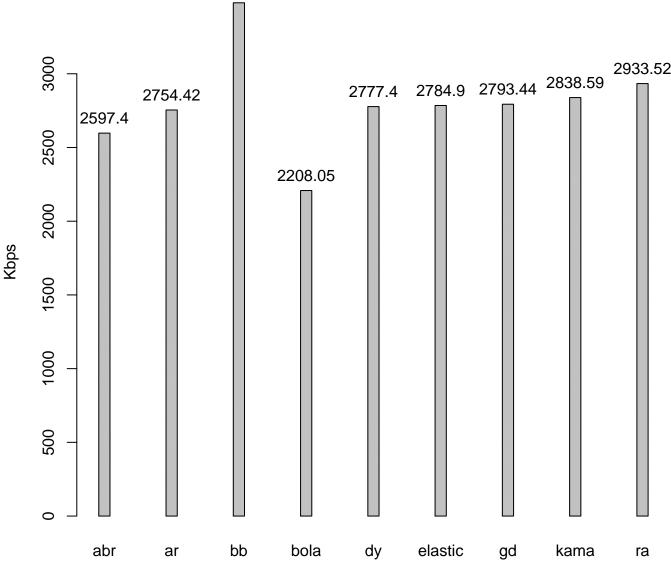
Buffer: 30/60 min: kama 0.509916 0.426284 0.3681470.369837 0.375565 0.363898 0.361471 0.3471 Inefficiency elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t5 Metric: Inefficiency

Network profile: p1 Sample: t5 Metric: # quality change Buffer: 30/60 min: ra 26 25 20 20 # Quality changes 15 10 10 6 6 6 6 6 2 abr bola elastic kama bb dy gd ar ra

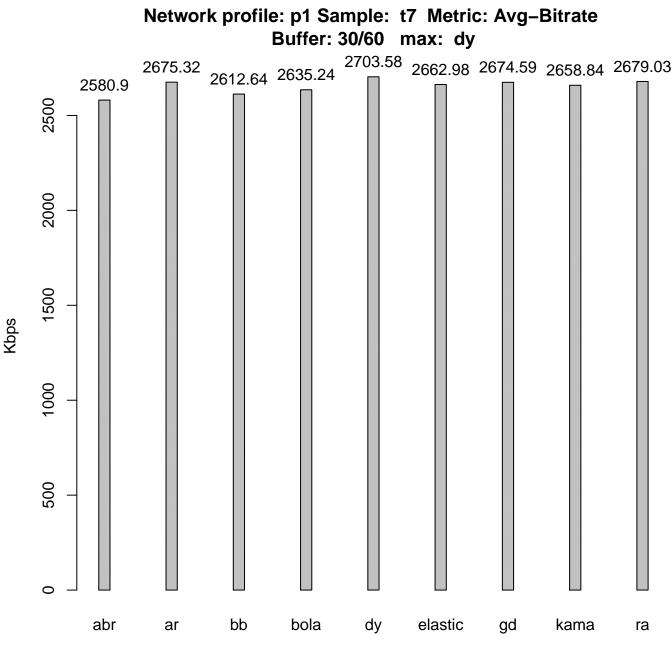
Network profile: p1 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: bb

3481.43



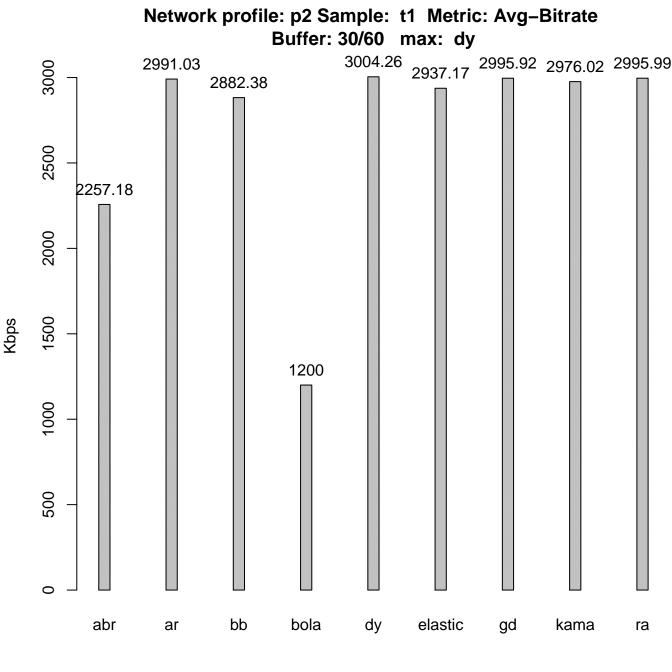
Network profile: p1 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.393433 0.319069 0.299426 0.299286 0.285015 0.283189 0.278043 0.27205 0.244588 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

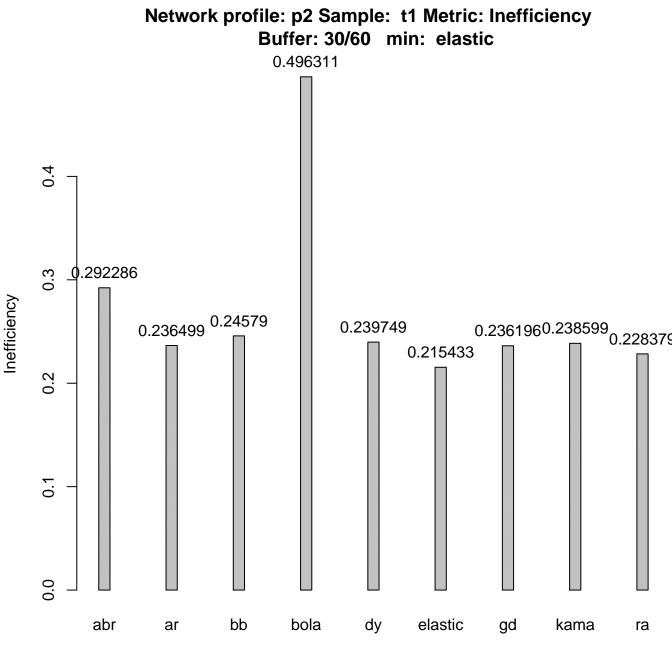
Network profile: p1 Sample: t6 Metric: # quality change Buffer: 30/60 min: kama 479 300 # Quality changes 200 100 63 62 61 55 53 52 43 42 abr bola elastic kama bb dy gd ar ra



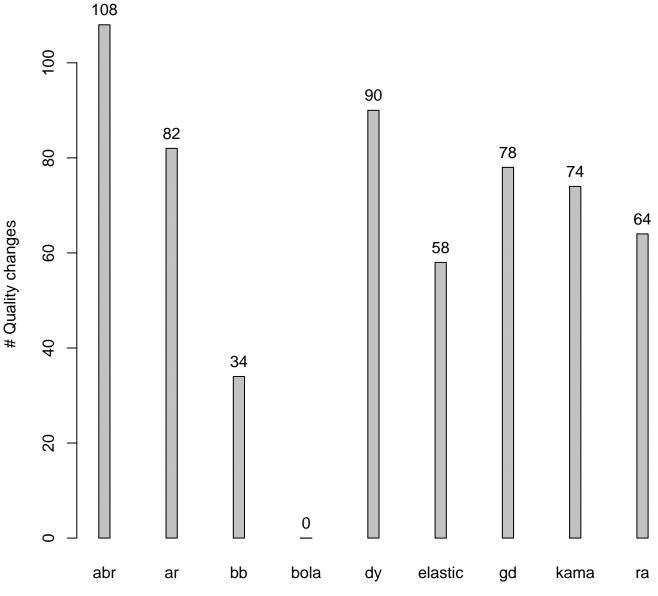
Network profile: p1 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic 0.37192 0.35 -0.3390050.30 0.261376 0.25 0.245711 0.239735 0.23128 0.226892 0.243885 0.200599 Inefficiency 0.20 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb 236 200 150 # Quality changes 100 20 45 39 35 32 30 28 25 21 abr bola elastic kama bb dy gd ar ra

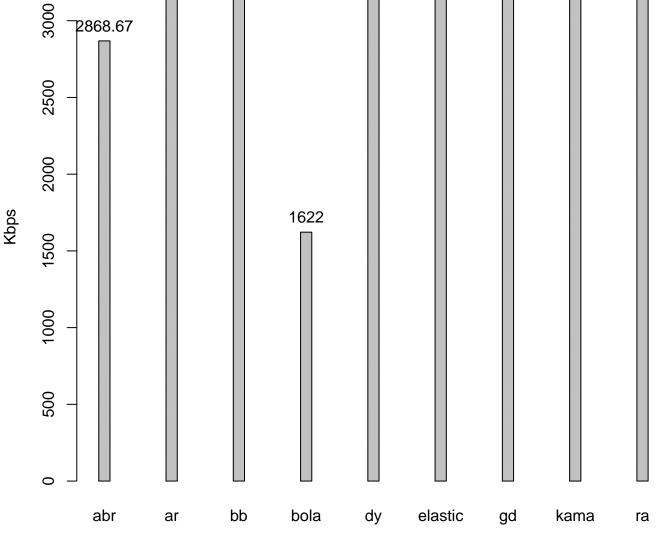


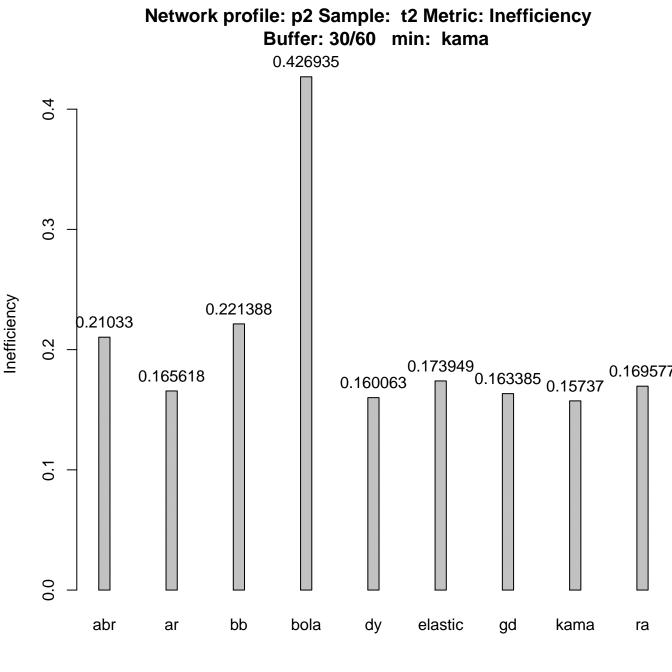


Network profile: p2 Sample: t1 Metric: # quality change Buffer: 30/60 min: bola

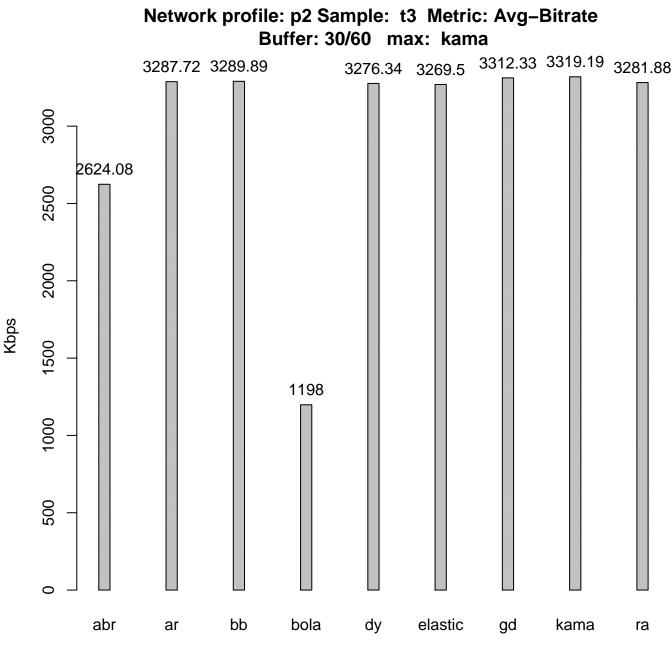


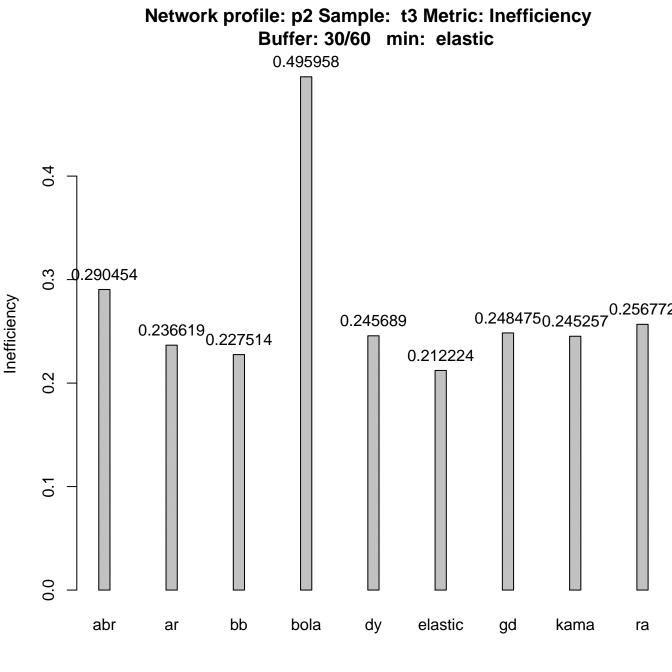
Network profile: p2 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: kama 3344.99 3283.44 3260.29 3195.12 3276.83 _{3245.47} 3268.6 72868.67



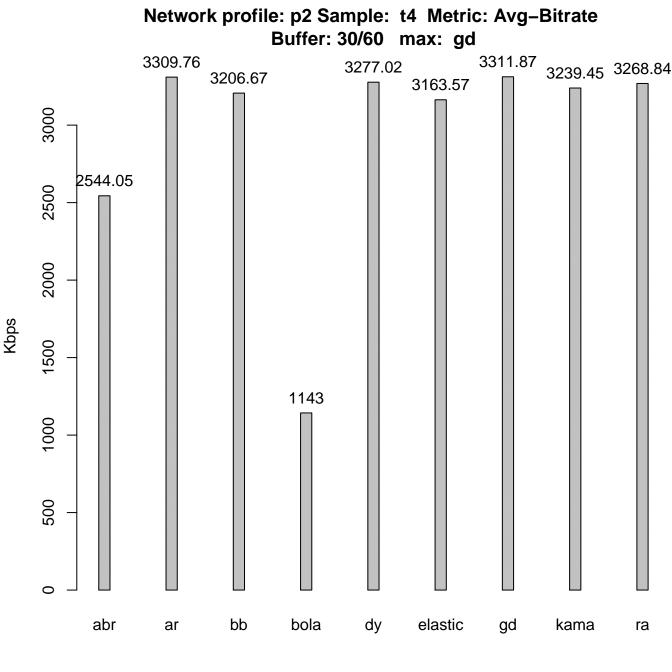


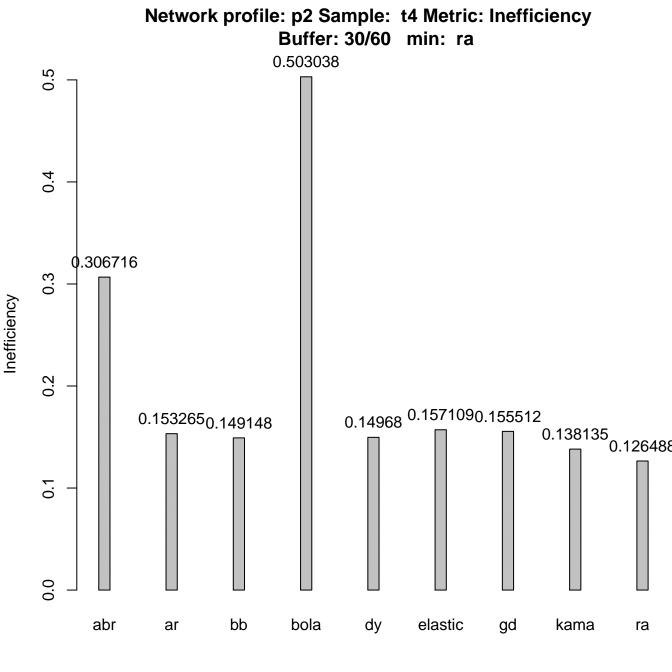
Network profile: p2 Sample: t2 Metric: # quality change Buffer: 30/60 min: bola 82 80 9 # Quality changes 40 20 20 18 18 16 14 14 8 elastic abr bola kama bb dy gd ar ra



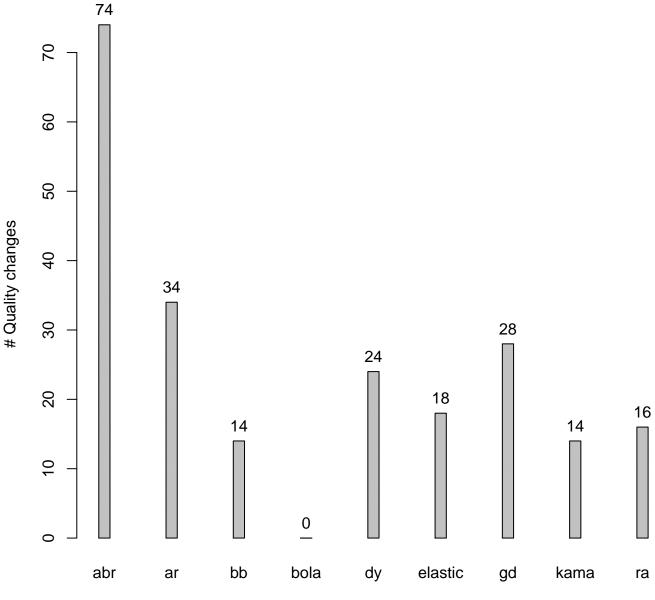


Network profile: p2 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 102 100 80 # Quality changes 9 48 46 40 38 4 28 22 20 6 abr bola elastic kama bb dy gd ar ra

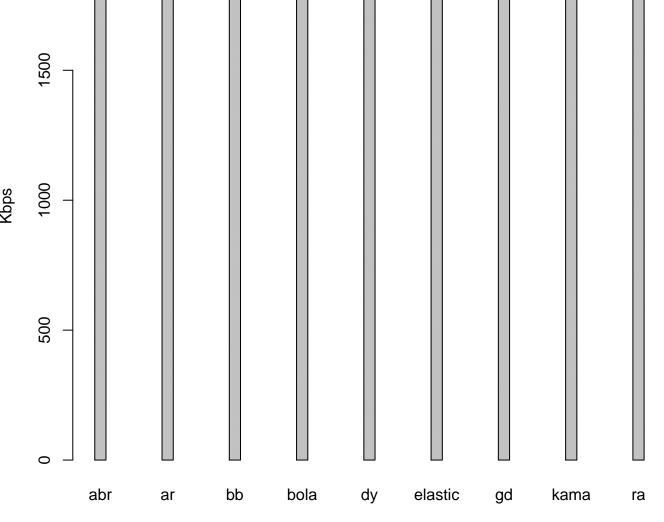




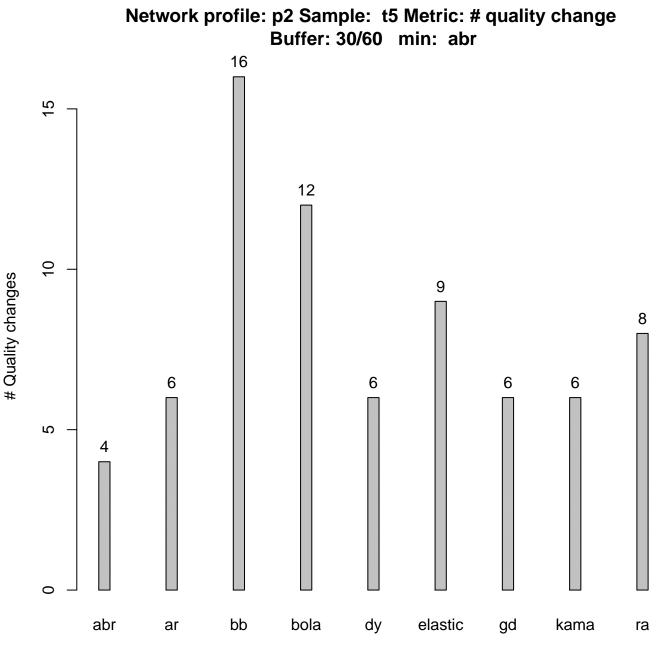
Network profile: p2 Sample: t4 Metric: # quality change
Buffer: 30/60 min: bola



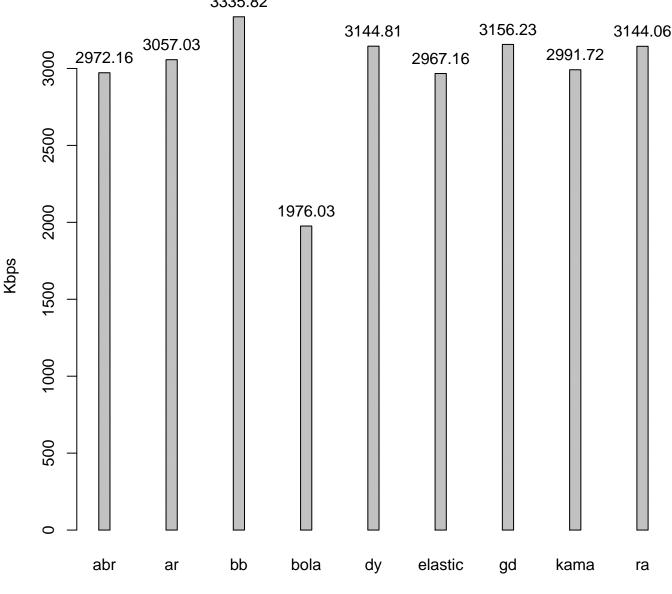
Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: kama 1966.81 1975.22 1935.43 1972 1974.77 1908.4 1886.82 1853.61 1838.48



Network profile: p2 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: ar 0.488738 $0.399185 \\ 0.385706 \\ 0.376532 \\ 0.3843850.383852 \\ 0.394854 \\ 0.39485 \\ 0.394854 \\ 0.394854 \\ 0.394854 \\ 0.394854 \\ 0.394854 \\ 0.39485 \\ 0.394854 \\ 0.39485 \\ 0$ 0.397007 0.372303 Inefficiency elastic abr bola dy kama ar bb gd ra



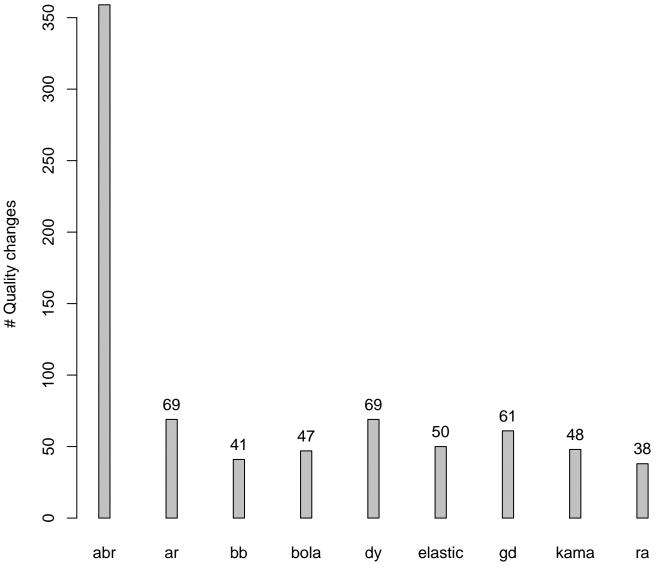
Network profile: p2 Sample: t6 Metric: Avg-Bitrate Buffer: 30/60 max: bb



Network profile: p2 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.385742 0.35353 0.318529 0.3 0.289509 0.289209 0.282611 0.277874 0.257322 0.237553 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t6 Metric: # quality change Buffer: 30/60 min: ra

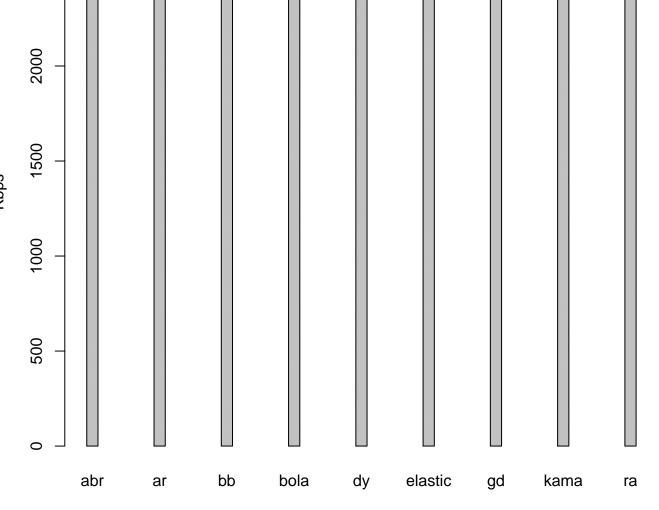
359



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

2700.97
2623.11
2533.42
2422.3
2422.3

2500



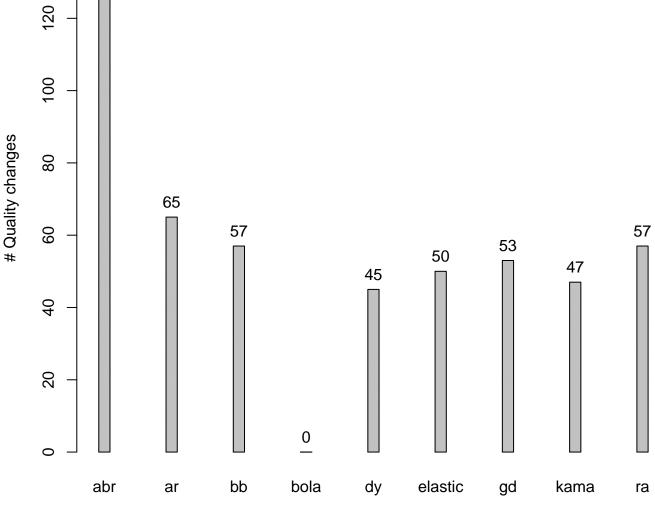
Network profile: p2 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic 0.3219270.322091 0.31586 0.30 0.2519460.251862 0.25 0.244204 0.242274 0.240104 0.200165 0.20 Inefficiency 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t7 Metric: # quality change Buffer: 30/60 min: ra 124 120 100 80 # Quality changes 9 40 40 34 32 28 28 26 20 16 14 abr bola elastic kama bb dy gd ar ra

Network profile: p3 Sample: t1 Metric: Avg-Bitrate Buffer: 30/60 max: ra 1930.79 1896.96 1940.44 1919.16 1904.97 1908.61 1812.58 1551.67 1500 1200 500 elastic abr bb bola dy gd kama ar ra

Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.369505 0.35 0.319468 0.30 0.277517 0.25 0.237765 0.234025 0.224042 0.213502 0.209612 Inefficiency 0.20 0.196962 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

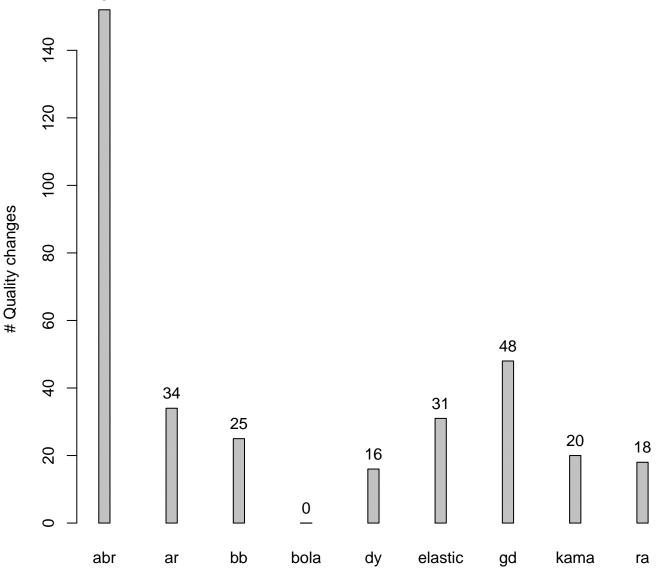
Network profile: p3 Sample: t1 Metric: # quality change Buffer: 30/60 min: bola



Network profile: p3 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: gd 2548.35 2500 2411.08 2415.99 2372.8 2352.02 2227.49 2224.54 2134.86 2000 1622 1500 1000 500 bola elastic abr bb dy gd kama ar ra

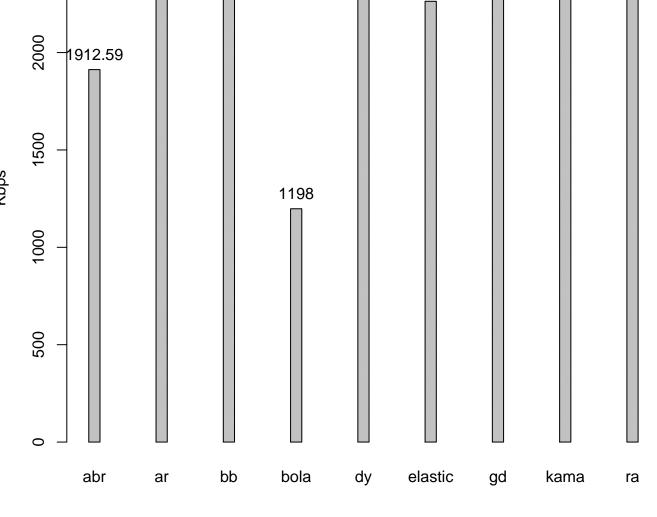
Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.245121 0.215729 0.211896 0.200032 0.20 0.171374 0.169085 0.161938 0.150449 0.15 Inefficiency 0.10 0.05 elastic abr bb bola dy kama ar gd ra

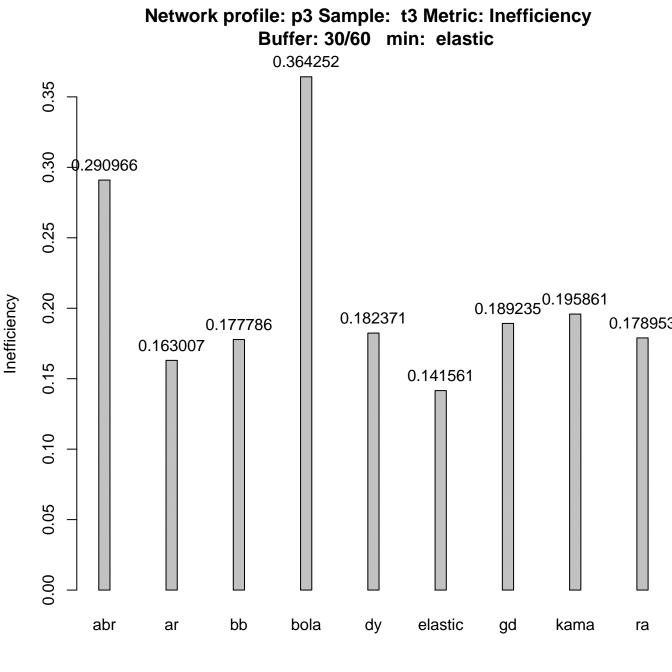
Network profile: p3 Sample: t2 Metric: # quality change
Buffer: 30/60 min: bola



Network profile: p3 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: kama 2635.55 2619.29 2609.2 2598.26 2505.25 2350.35 2263.28

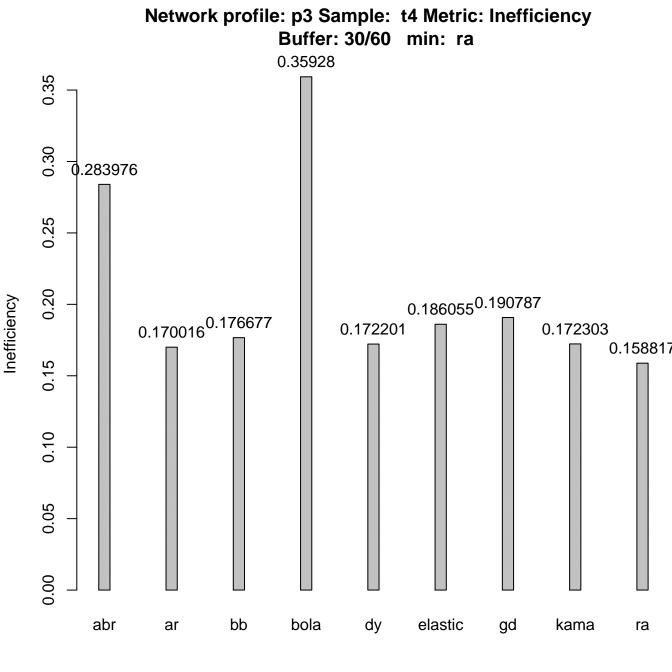
2500





Network profile: p3 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 162 150 100 # Quality changes 74 65 56 50 46 46 34 21 bola elastic kama abr bb dy gd ar ra

Network profile: p3 Sample: t4 Metric: Avg-Bitrate Buffer: 30/60 max: ra 2435.22 2390.18 2360.87 2346.03 2339 2233.77 2000 1908.44 1515.65 1500 1143 1000 500 bola elastic abr bb dy gd kama ar ra



Network profile: p3 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 126 120 100 80 # Quality changes 9 43 39 39 40 37 35 31 20 20 abr bola elastic kama bb dy gd ar ra

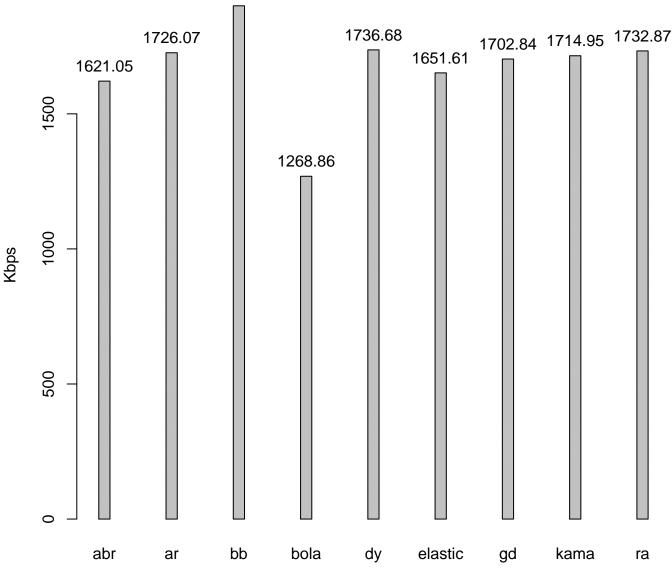
Buffer: 30/60 max: dy 1870.99 1798.51 1698.02 1663.37 1672.33 1659.85 1548.13 1505.92 1500 71427.97 500 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t5 Metric: Avg-Bitrate

Network profile: p3 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: dy 0.36506 0.352986 0.330184 0.328246 0.308956 0.296562 0.30 0.266103 0.25 0.242123 0.22738 0.20 Inefficiency 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t5 Metric: # quality change Buffer: 30/60 min: bb 34 30 25 24 24 24 22 20 20 # Quality changes 20 16 15 14 10 2 bola elastic abr bb dy gd kama ar ra

Network profile: p3 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: bb
1899.9

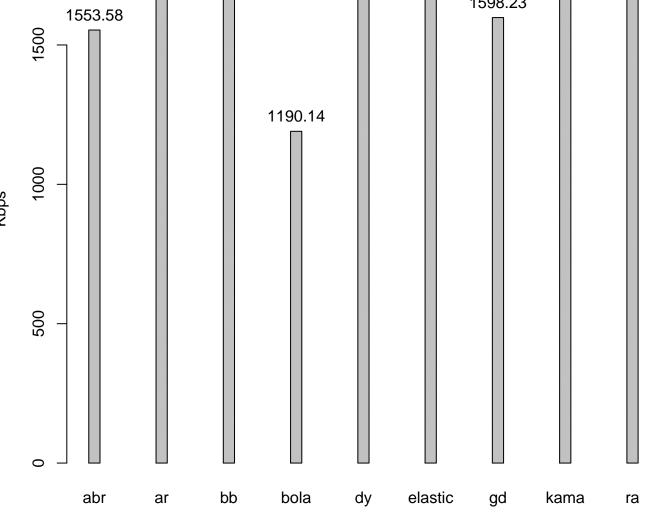


Buffer: 30/60 min: elastic 0.385496 0.359381 0.34252 0.327919 0.29457 0.3 0.278399 0.2512 0.247703 0.208492 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

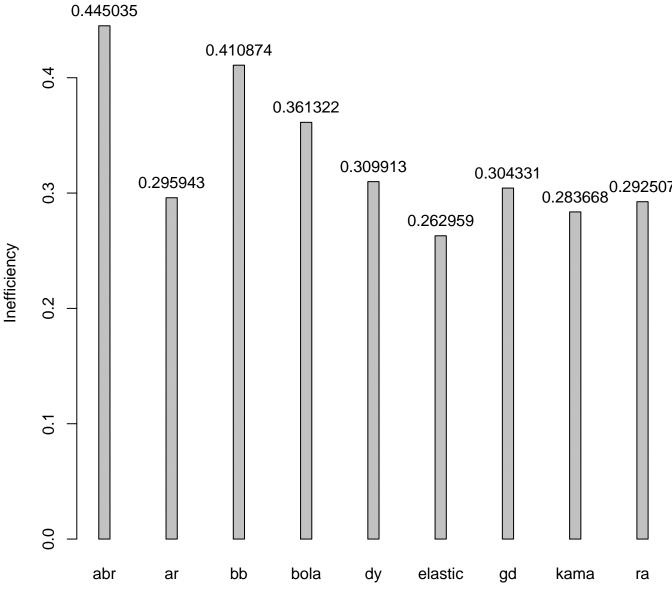
Network profile: p3 Sample: t6 Metric: Inefficiency

Network profile: p3 Sample: t6 Metric: # quality change Buffer: 30/60 min: gd 676 009 500 400 # Quality changes 300 200 113 93 100 75 51 34 32 26 24 abr bola elastic kama bb dy gd ar ra

Network profile: p3 Sample: t7 Metric: Avg-Bitrate Buffer: 30/60 max: dy 1841.38 1801.03 1742.58 1745.04 1712.4 1706.51 1598.23 1190.14



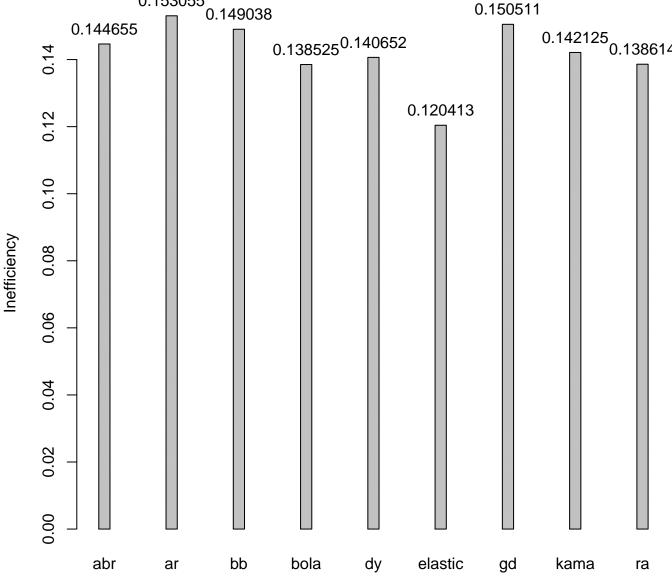
Network profile: p3 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic



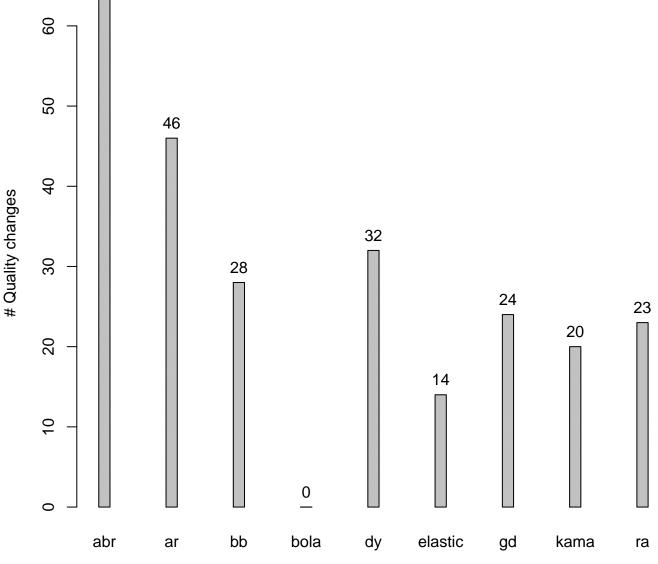
Network profile: p3 Sample: t7 Metric: # quality change Buffer: 30/60 min: bola 340 300 250 # Quality changes 200 150 102 100 69 50 41 41 35 30 29 23 abr bola elastic kama bb dy gd ar ra

Network profile: p4 Sample: t1 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 2177.42 2011.35 1999.21 2000 1758.17 1500 1328.44 1329.48 1249.98 1240.56 1200 1000 500 bola elastic abr bb dy gd kama ar ra

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



Network profile: p4 Sample: t1 Metric: # quality change
Buffer: 30/60 min: bola

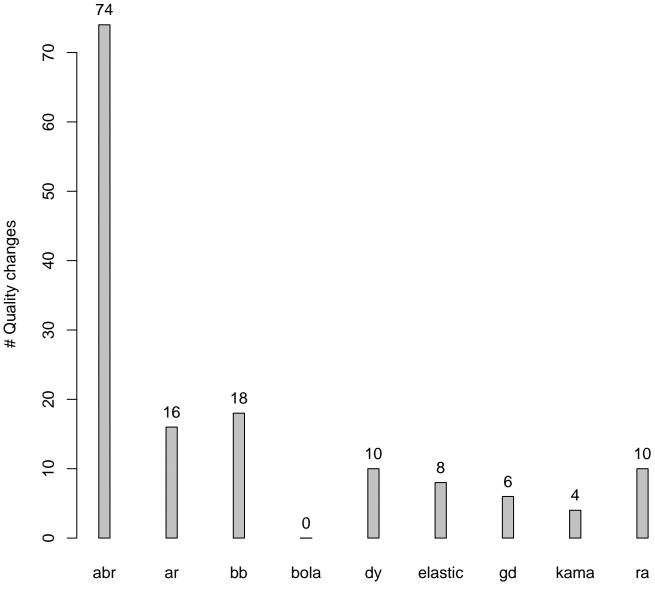


Network profile: p4 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: gd 3069.19 3000 2821.18 2500 2367.58 2200.8 2000 1906.95 1864.33 1734.14 1693.5 1622 1500 1000 500 bola elastic abr bb dy gd kama ar ra

Buffer: 30/60 min: elastic 0.180725 0.164735 0.152954 0.15 0.125093 0.109166 Inefficiency 0.0924658 0.089676 0.0716693 0.0483547 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t2 Metric: Inefficiency

Network profile: p4 Sample: t2 Metric: # quality change Buffer: 30/60 min: bola

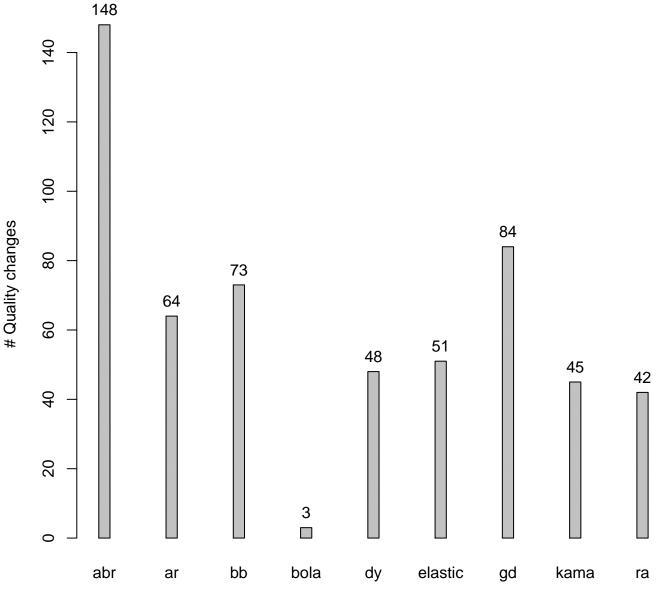


Network profile: p4 Sample: t3 Metric: Avg-Bitrate Buffer: 30/60 max: gd 2289.02 2194.11 2099.38 2000 1801.98 1739.62 1639.01 1619.39 1500 1372.08 1300.22 Kbps 500 bola elastic abr bb dy kama ar gd ra

Buffer: 30/60 min: elastic 0.181517 0.154419 0.148609 0.145229 0.141252 0.125227 0.12143 0.10 Inefficiency 0.0935233 0.0682816 0.05 elastic abr bb bola dy kama ar gd ra

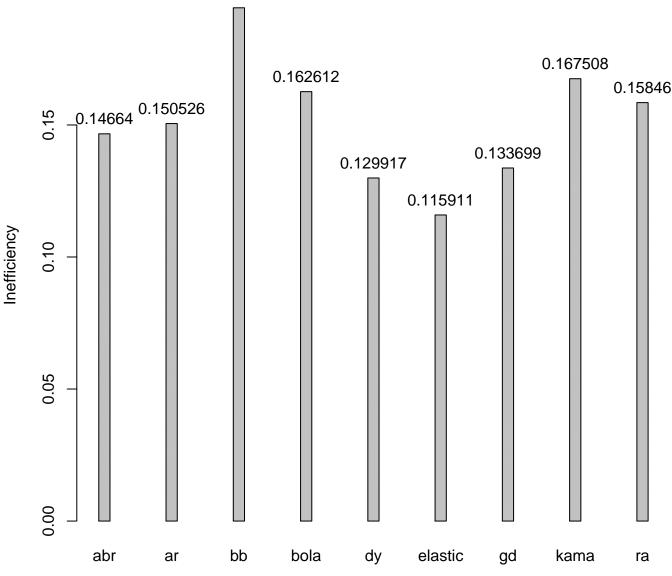
Network profile: p4 Sample: t3 Metric: Inefficiency

Network profile: p4 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola



Network profile: p4 Sample: t4 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 2087.64 2000 1875.54 1665.39 1613.56 1573.66 1565.68 1500 1397.47 1209.95 1143 500 bola elastic abr bb dy kama ar gd ra

Network profile: p4 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.194364



Network profile: p4 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 120 120 100 80 # Quality changes 9 47 47 46 43 40 31 29 27 20 abr bola elastic kama bb dy gd ar ra

Network profile: p4 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: gd 1098.97 1075.45 1051.73 1046.72 1047.94 1025.21 1000 932.158 898.773 800 009 575.438 400 200

abr

bb

ar

bola

elastic

gd

kama

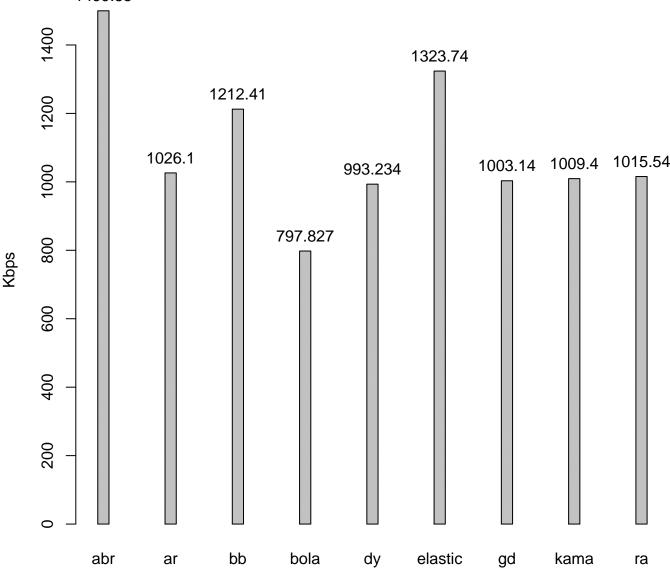
ra

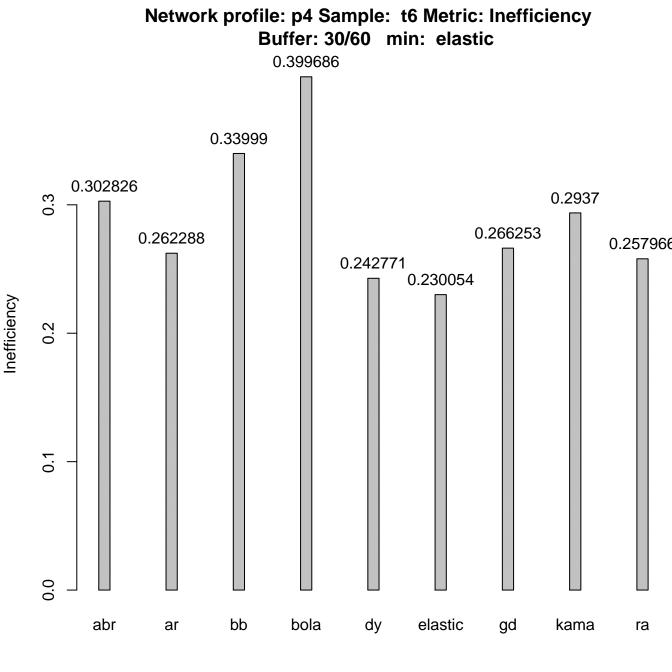
dy

Network profile: p4 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: gd 0.394937 0.381472 0.350815 0.318883 0.290662 0.281236 0.273871 0.243528 0.231912 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t5 Metric: # quality change Buffer: 30/60 min: bola 80 80 9 # Quality changes 40 24 19 20 18 13 13 12 elastic abr bb bola kama dy gd ar ra

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





Network profile: p4 Sample: t6 Metric: # quality change Buffer: 30/60 min: gd 739 900 500 # Quality changes 400 300 200 136 100 86 77 48 37 31 29 27 abr bola elastic bb dy gd kama ar ra Network profile: p4 Sample: t7 Metric: Avg-Bitrate

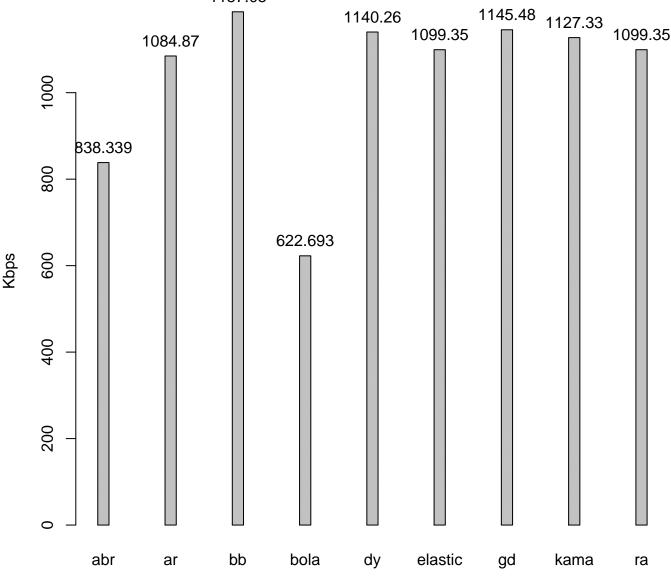
Buffer: 30/60 max: bb

1187.05

1140.26

1145.48

1127.33



Network profile: p4 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic 0.488139 0.447946 0.396118 0.368684 0.366628 0.346913_{0.343383} 0.328266 0.310977 Inefficiency elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t7 Metric: # quality change Buffer: 30/60 min: bola

