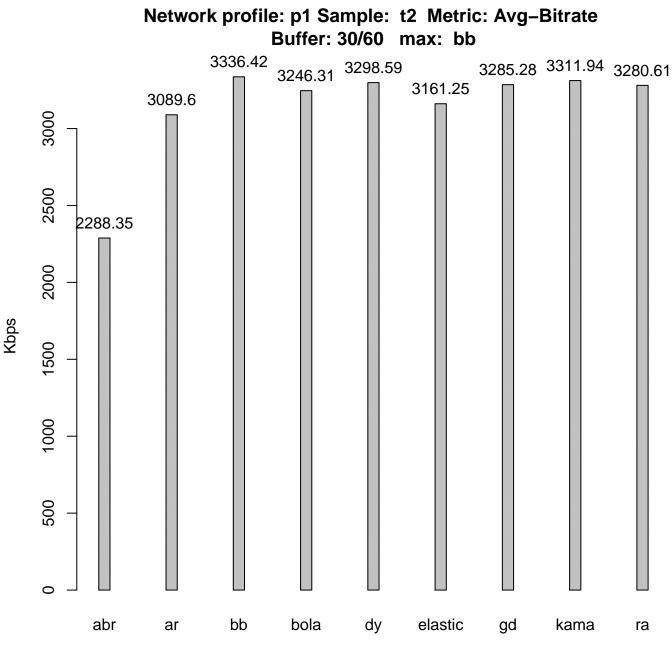


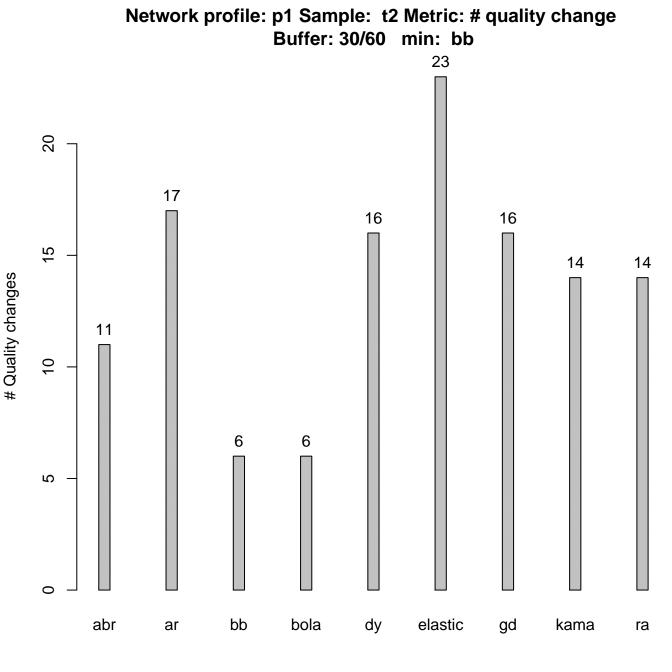
Network profile: p1 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.397339 0.335798 0.327201 0.266181 0.252424 0.249893 0.239926 0.228501 Inefficiency 0.201188 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t1 Metric: # quality change Buffer: 30/60 min: bb 75 73 71 69 70 59 9 50 # Quality changes 41 4 30 20 11 10 6 bola elastic abr bb dy gd kama ar ra

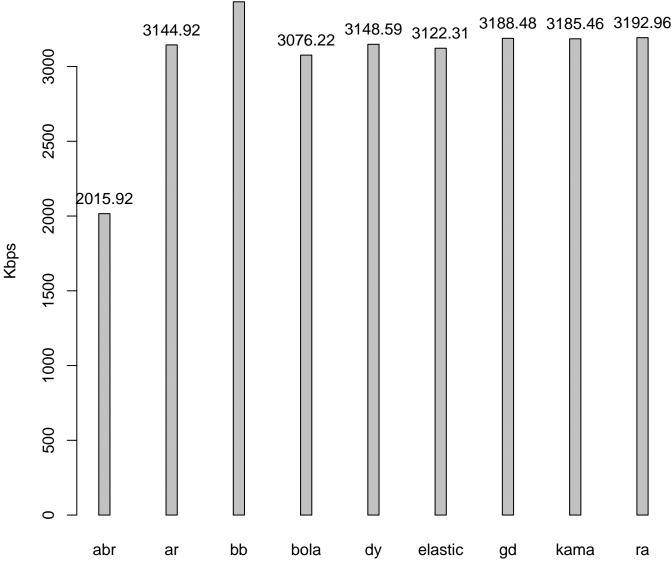


Buffer: 30/60 min: elastic 0.345286 0.30 0.288348 0.266467 0.25 0.227397 0.226179 0.20754 0.209027 0.212264 0.20 0.186465 Inefficiency 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t2 Metric: Inefficiency

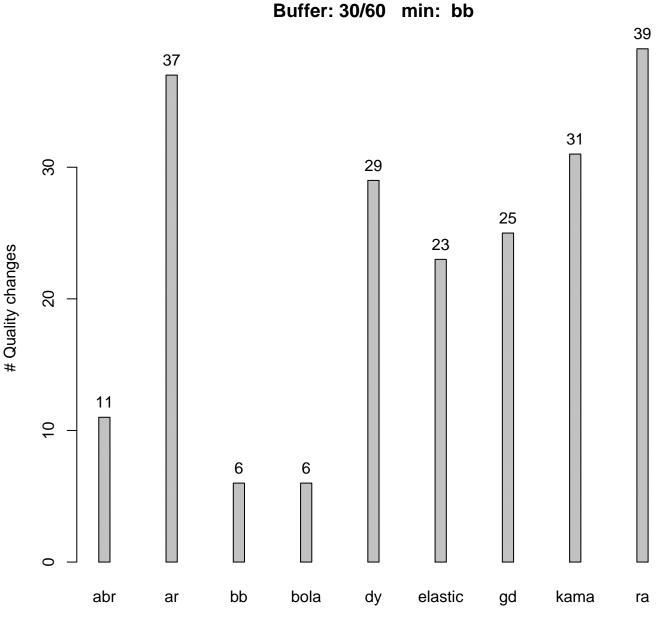


Network profile: p1 Sample: t3 Metric: Avg-Bitrate
Buffer: 30/60 max: bb



Network profile: p1 Sample: t3 Metric: Inefficiency Buffer: 30/60 min: elastic 0.425468 0.38268 0.339567 0.276159 0.2680020.271621 0.270087 0.241034 0.231827 Inefficiency elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t3 Metric: # quality change



Network profile: p1 Sample: t4 Metric: Avg-Bitrate Buffer: 30/60 max: bb 3360.77 3411.09 3278.55 3360.63 3289.12 _{3246.85} 3249.75 3000 2601.9 2500 2000 1798.6 Kbps 1500 1000 500 elastic abr bb bola dy kama ar gd ra

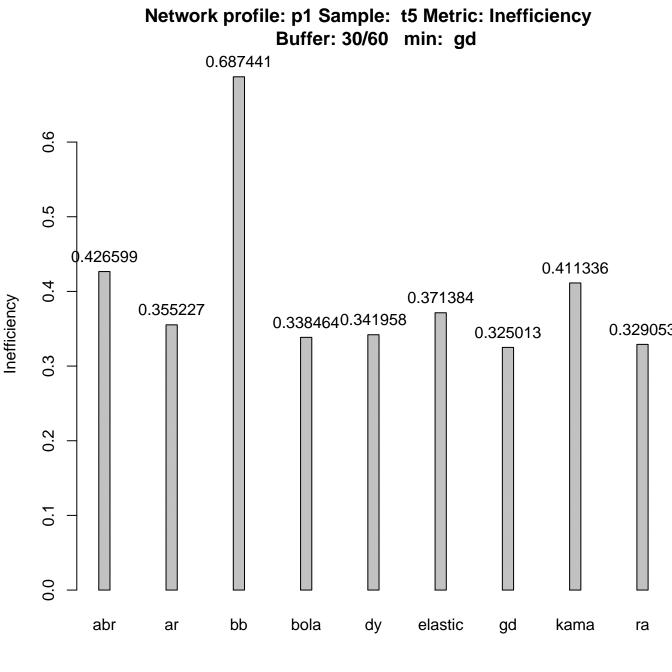
Network profile: p1 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.402043 70.384585 0.356724 0.239864 0.232882 0.223398 Inefficiency 0.195712 0.190758 0.160177 elastic abr bb bola dy kama ar gd ra

Buffer: 30/60 min: bola 31 30 25 20 # Quality changes 16 16 15 14 10 10 10 9 6 5 2 bola elastic kama abr bb dy gd ar ra

Network profile: p1 Sample: t4 Metric: # quality change

Buffer: 30/60 max: elastic 2100.35 2077.3 2036.43 2020.42 2000 1938.99 1912.01 1905.5 1740.93 1500 1382.19 500 elastic abr bb bola dy kama ar gd ra

Network profile: p1 Sample: t5 Metric: Avg-Bitrate



Network profile: p1 Sample: t5 Metric: # quality change Buffer: 30/60 min: abr 12 12 11 10 8 8 8 8 ∞ # Quality changes 6 6 6 9 4 $^{\circ}$ bola elastic abr bb dy gd kama ar ra

Buffer: 30/60 max: bb 3698.9 3500 3000 2709.45 2759.03 2671.9 2657.02 2636.26 2661.27 2586.9 2500 2228.36 2000 1500 1000 500 elastic abr bb bola dy kama ar gd ra

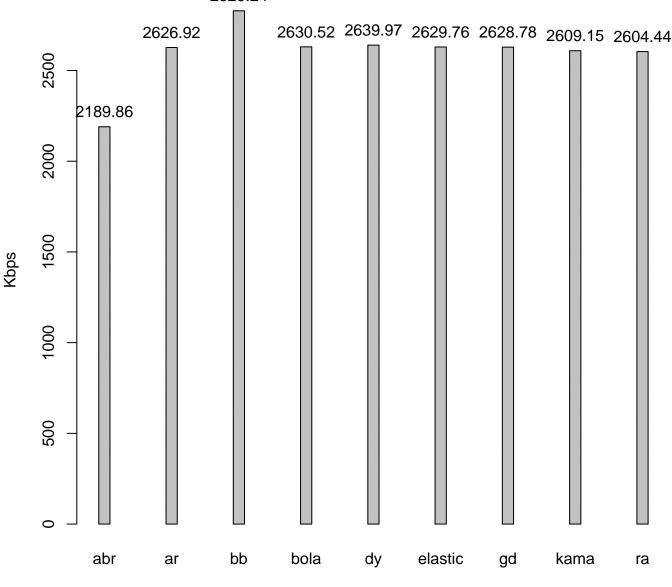
Network profile: p1 Sample: t6 Metric: Avg-Bitrate

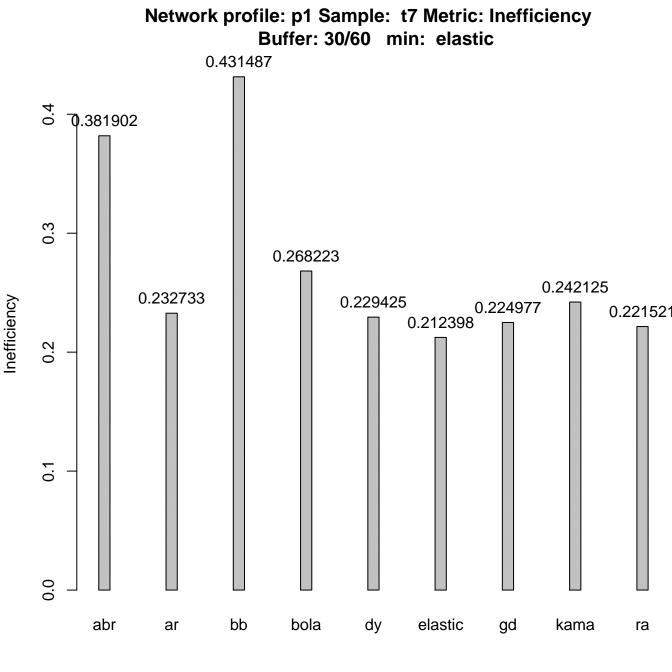
Network profile: p1 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.45522 0.355483 0.29138 0.284172 0.289507 0.261776 0.249317 — 0.262158 0.262882 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

Buffer: 30/60 min: bola 52 50 46 45 41 4 37 35 34 # Quality changes 30 20 19 20 10 bola elastic abr bb dy gd kama ar ra

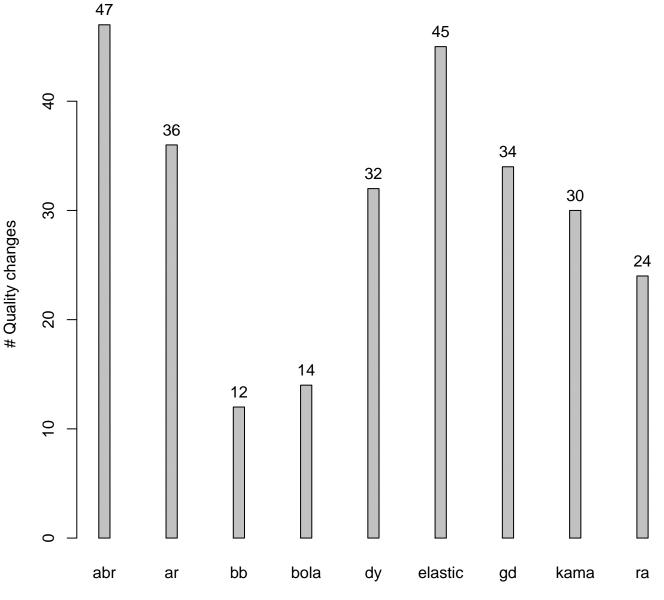
Network profile: p1 Sample: t6 Metric: # quality change

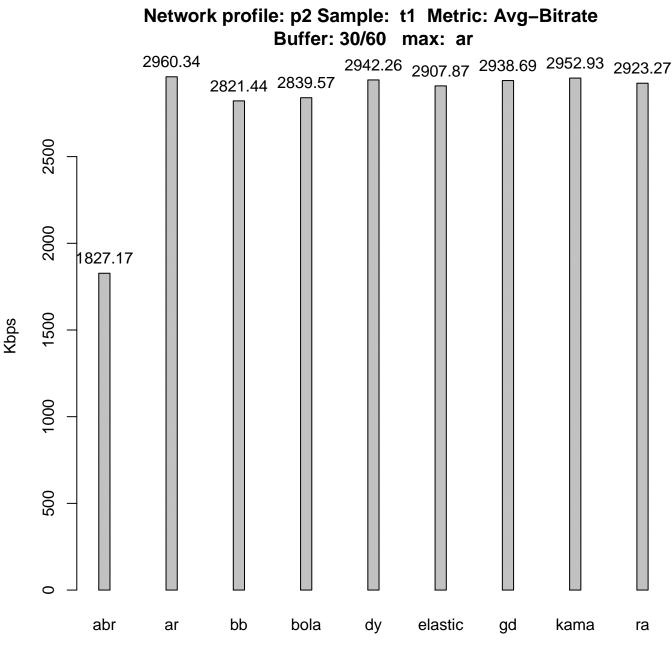
Network profile: p1 Sample: t7 Metric: Avg-Bitrate
Buffer: 30/60 max: bb
2829.24



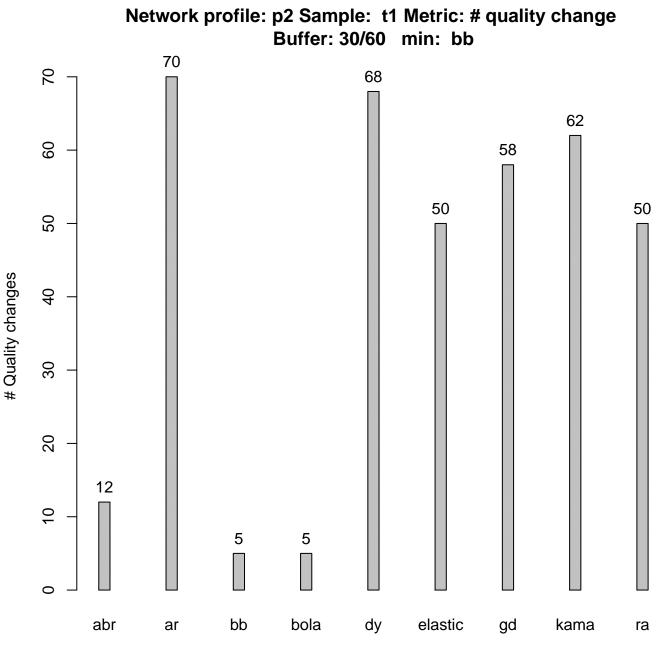


Network profile: p1 Sample: t7 Metric: # quality change Buffer: 30/60 min: bb



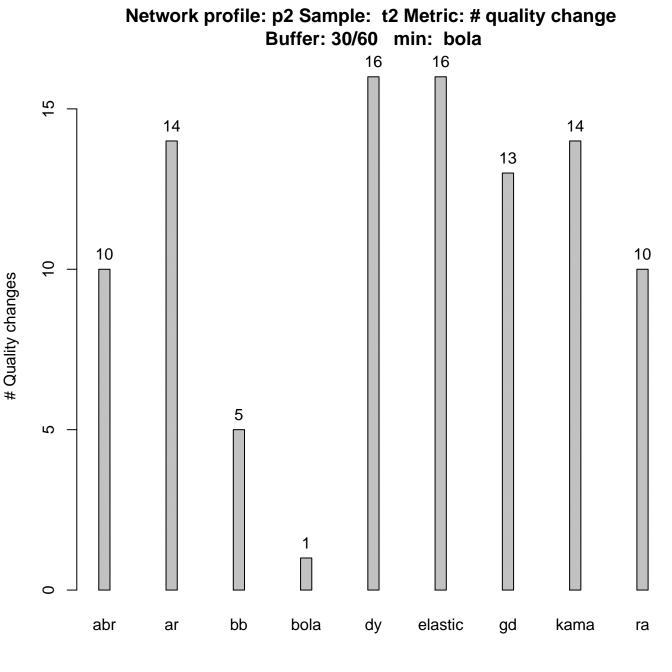


Network profile: p2 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.377443 0.35 0.331089 0.301034 0.30 0.2481750.247573_{0.244235} 0.25 0.241703 0.224302 0.210154 Inefficiency 0.20 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

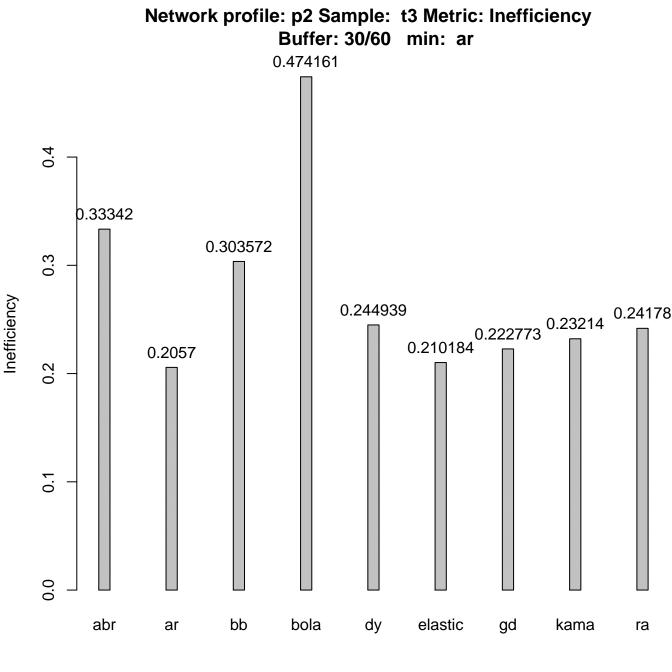


Network profile: p2 Sample: t2 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 3248.14 3147.49 3157.11 3139.58 3138.67 3000 2935.92 2830.53 2500 2250.66 2037.48 2000 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.312422 0.280432 0.283709 0.25 0.21416 0.20 0.187885_{0.185417} 0.184969 0.182428 0.167634 Inefficiency 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra



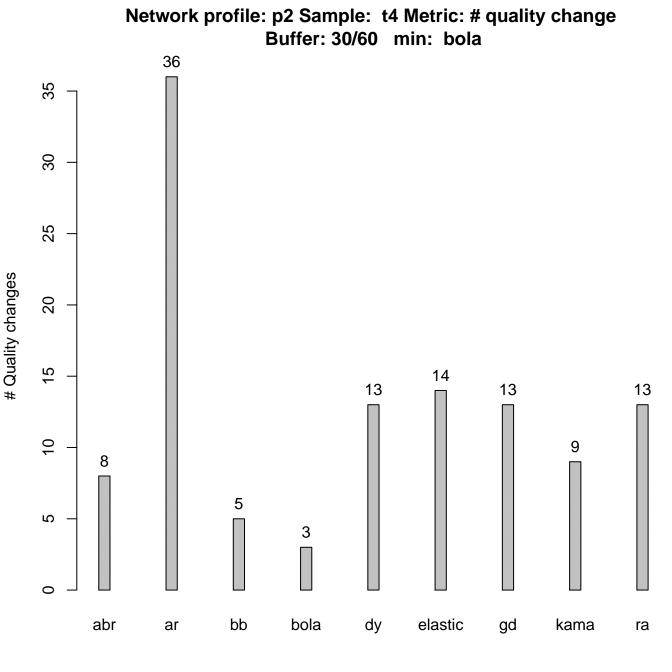
Network profile: p2 Sample: t3 Metric: Avg-Bitrate **Buffer: 30/60** max: ra 3372.5 3304.68 3258.14 3260.28 3270.57 3262.3 3259.77 3000 2500 2000 1856.15 Kbps 1500 1198 1000 500 elastic abr bb bola dy kama ar gd ra



Network profile: p2 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 52 50 46 42 40 9 34 32 # Quality changes 30 20 13 10 6 bola elastic abr bb dy gd kama ar ra

Network profile: p2 Sample: t4 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 3334.71 3175.46 3012.64 3000 2926.4 2886.39 2892.31 2886.3 2500 2289.26 2000 Kbps 1591.08 1500 1000 500 elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.379506 0.35 0.344636 0.30 0.261634 0.25 Inefficiency 0.20 0.17236 0.1784450.17796 0.17841 0.167233 0.15 0.134848 0.10 0.05 elastic abr bb bola dy kama ar gd ra



Network profile: p2 Sample: t5 Metric: Avg-Bitrate Buffer: 30/60 max: ar 1963.58 1838.12 1862.77 1856.53 1835.35 1840.32 1840.57 1754.47 1500 1216.97 500

abr

bb

ar

bola

elastic

gd

kama

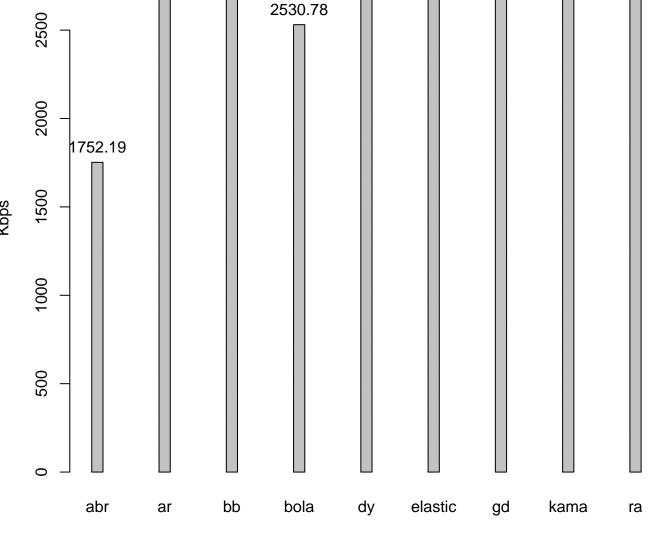
ra

dy

Network profile: p2 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: ar 0.578587 0.480441 0.436527 0.449289 0.441243_{0.432122}0.436895 0.437646 0.400119 0.4 Inefficiency elastic abr bb bola dy kama ar gd ra

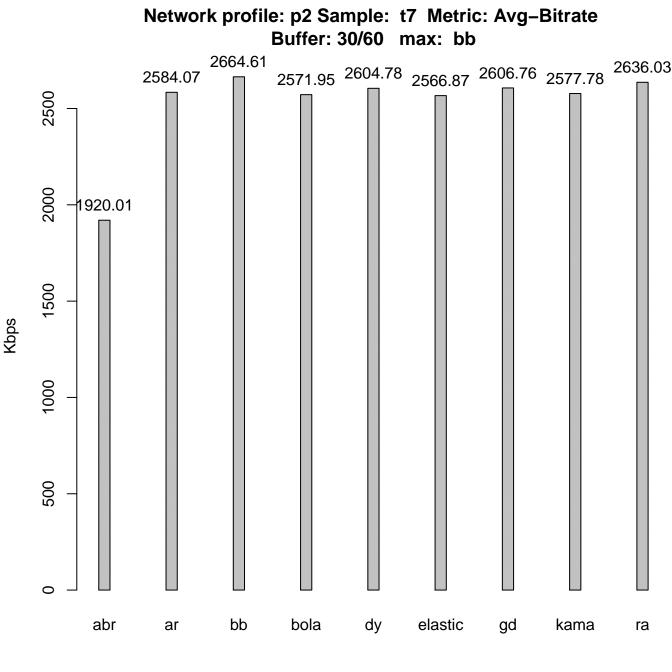
Network profile: p2 Sample: t5 Metric: # quality change Buffer: 30/60 min: abr 10 8 8 ∞ 6 # Quality changes 9 4 4 4 4 $^{\circ}$ bola elastic kama abr bb dy gd ar ra

Network profile: p2 Sample: t6 Metric: Avg-Bitrate Buffer: 30/60 max: elastic 2903.57 2872.34 2855.68 2845.81 2857.17 2817.9 2780.32 2530.78



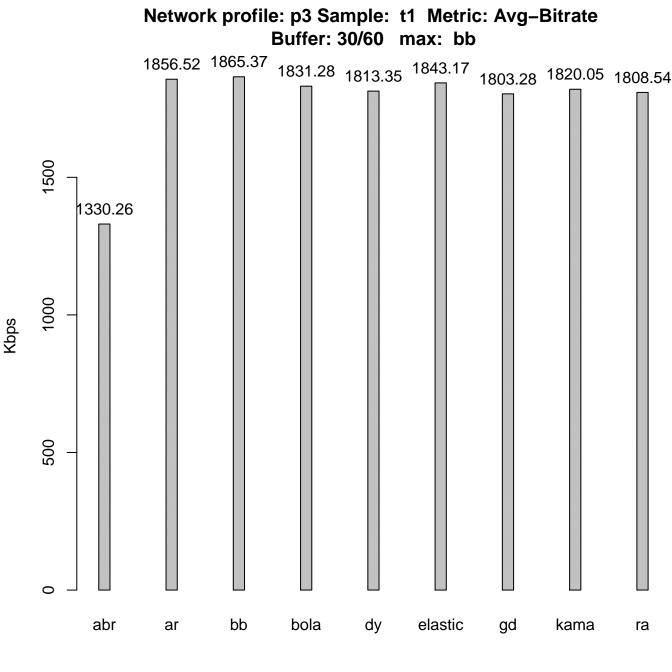
Network profile: p2 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.43317 0.4 0.350563 0.295404 0.292202_{0.286488} 0.280651 0.267139 0.259407 0.235904 Inefficiency elastic abr bb bola dy kama ar gd ra

Network profile: p2 Sample: t6 Metric: # quality change Buffer: 30/60 min: bola 53 50 48 42 42 42 4 36 33 # Quality changes 30 30 20 17 10 bola elastic abr bb dy gd kama ar ra

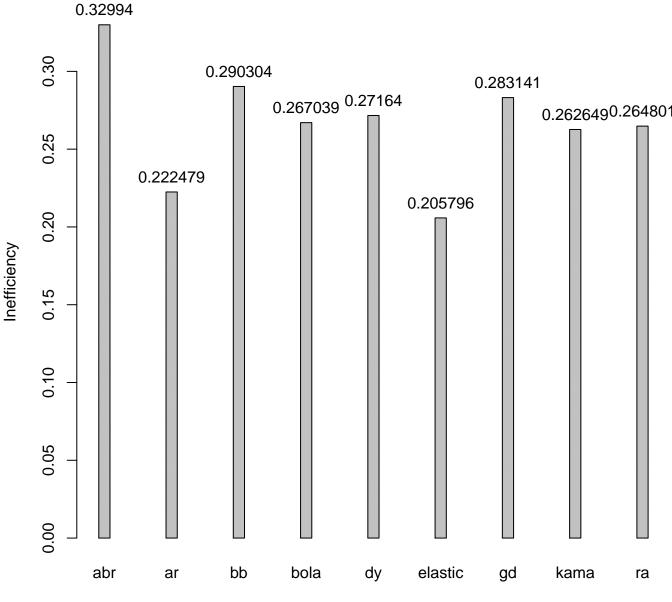


Network profile: p2 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic 0.39989 0.353768 0.287041 0.2581580.261633 0.241933 0.240079 0.229759 Inefficiency 0.204852 0.2 elastic abr bb bola dy kama ar gd ra

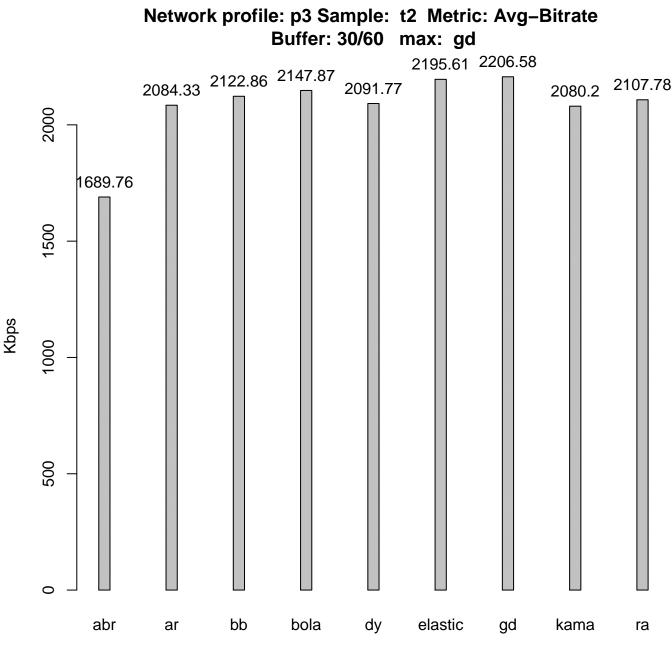
Network profile: p2 Sample: t7 Metric: # quality change Buffer: 30/60 min: bola 42 40 40 36 36 30 30 # Quality changes 24 22 20 13 12 10 bola elastic abr bb dy gd kama ar ra



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



Network profile: p3 Sample: t1 Metric: # quality change Buffer: 30/60 min: bola 56 53 50 44 4 37 36 36 36 # Quality changes 30 20 10 10 8 bola elastic abr bb dy gd kama ar ra



Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 30/60 min: elastic 0.238771 0.227745 0.216716 0.212421 0.205731 0.203496 0.195795 0.190991 0.142216

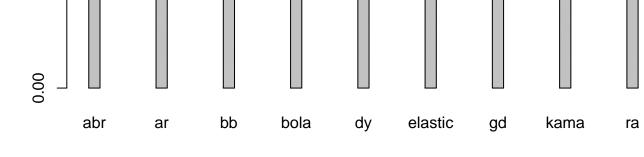
0.20

0.15

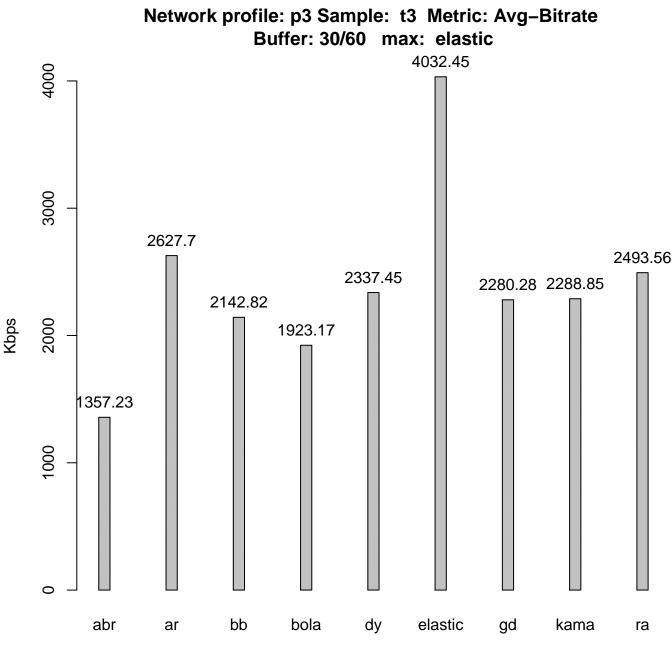
0.10

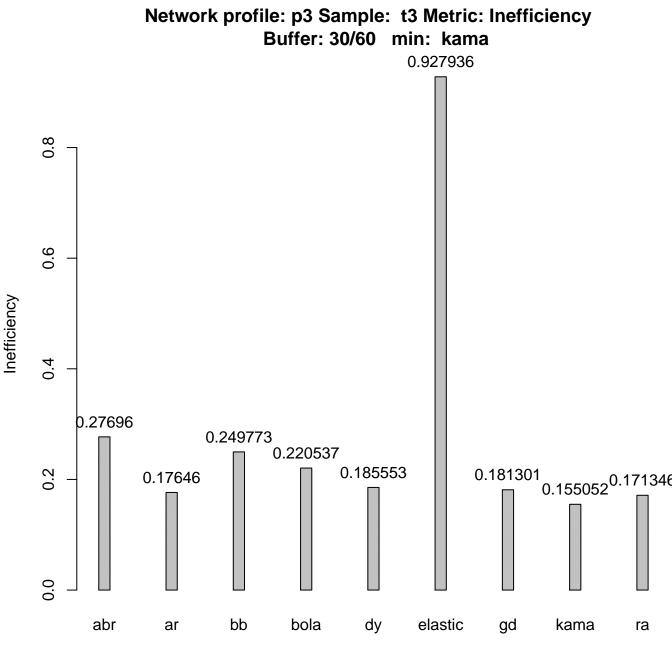
0.05

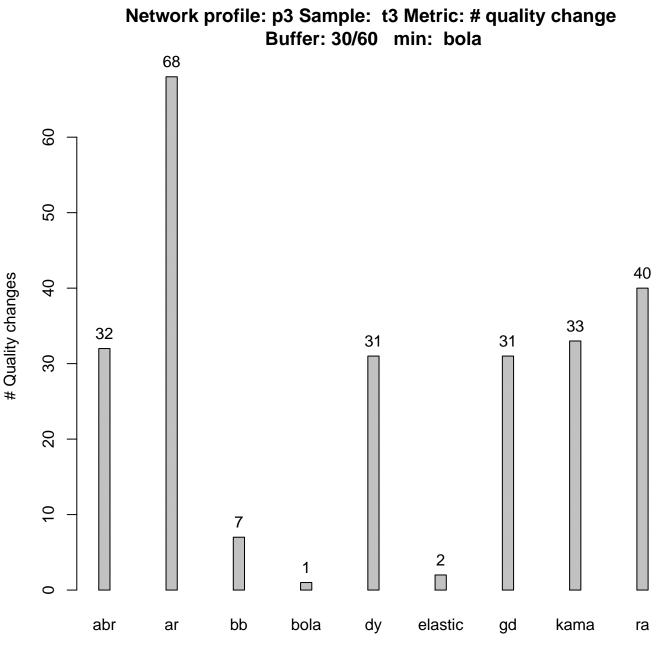
Inefficiency



Network profile: p3 Sample: t2 Metric: # quality change Buffer: 30/60 min: abr 31 30 25 23 22 21 20 # Quality changes 15 14 10 10 10 2 4 bola elastic abr bb dy gd kama ar ra

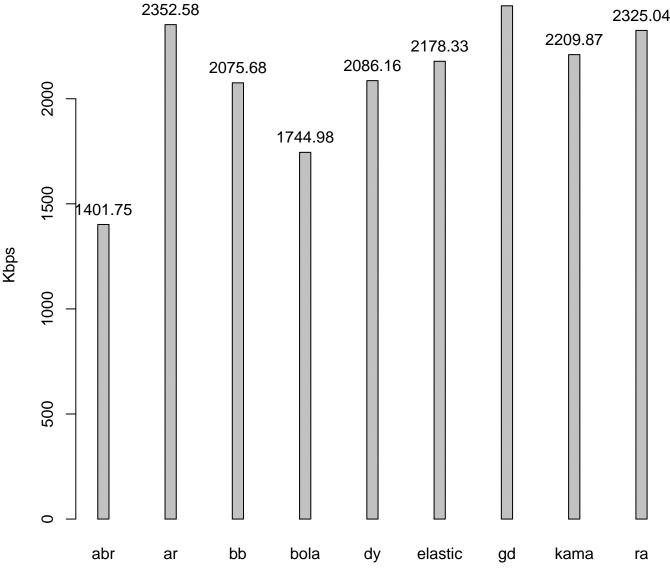






Network profile: p3 Sample: t4 Metric: Avg-Bitrate
Buffer: 30/60 max: gd

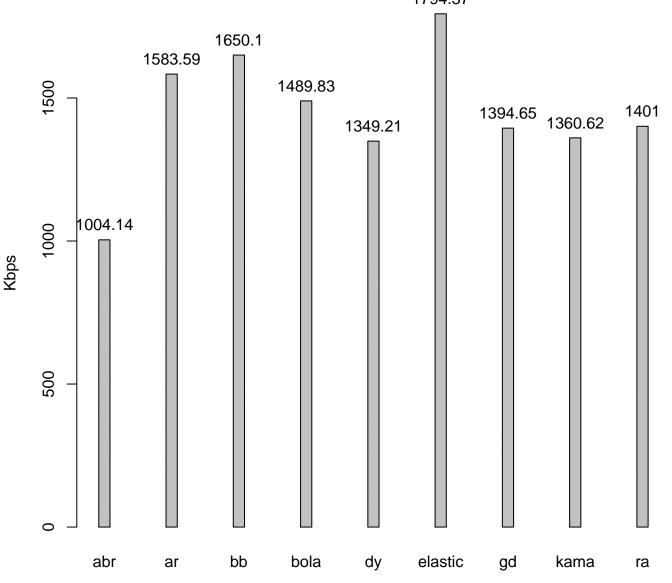
2442.29



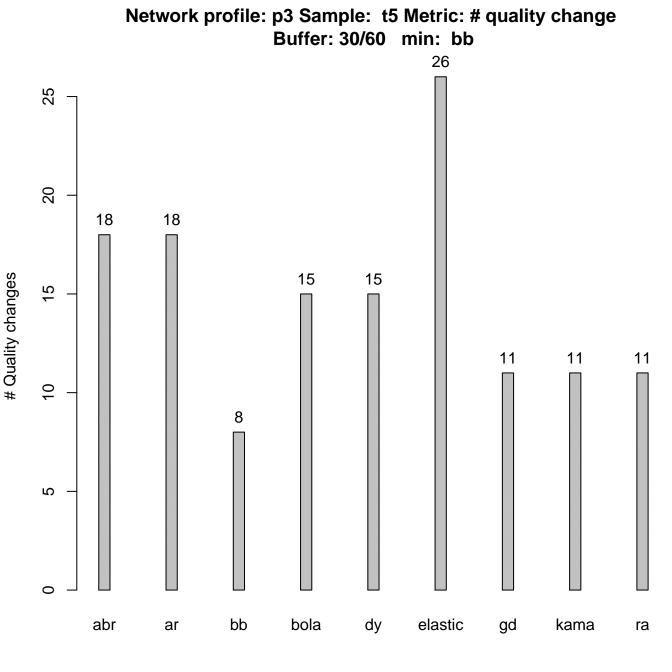
Network profile: p3 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: elastic 0.311225 0.30453 0.30 0.258959 — 0.251104 0.25 0.240215 0.237782 0.222387 0.20 0.195735 Inefficiency 0.152275 0.15 0.10 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 43 40 30 25 # Quality changes 20 16 15 15 11 10 9 5 bola elastic abr bb dy gd kama ar ra

Network profile: p3 Sample: t5 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1794.37



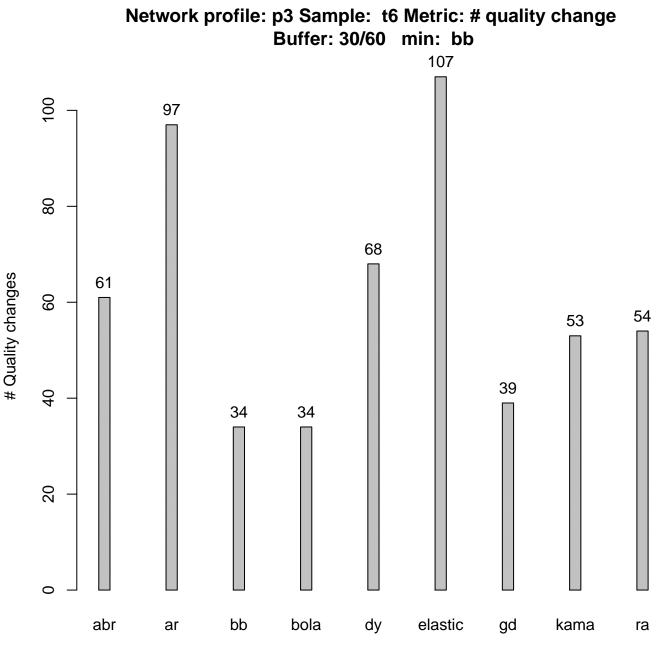
Network profile: p3 Sample: t5 Metric: Inefficiency Buffer: 30/60 min: ar 0.550449 0.414644₀.406742₀.395569 0.388135 ₱.382705 0.350841 Inefficiency 0.272749 0.265041 elastic abr bb bola dy kama ar gd ra



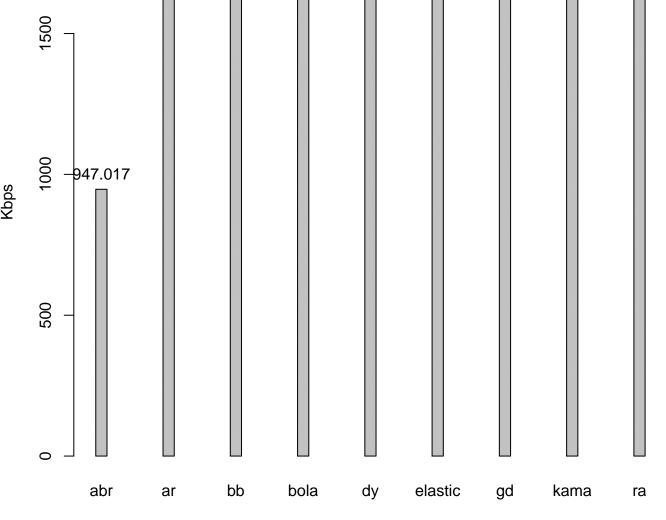
Buffer: 30/60 max: bb 2442.78 2000 1665.54 1676.16 1668.53 1598.24 1570.33 1540.41 1500 1465.86 1230.08 Kbps 1000 500 bola elastic abr bb dy kama ar gd ra

Network profile: p3 Sample: t6 Metric: Avg-Bitrate

Network profile: p3 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: elastic 0.407453 70.383925 0.33092 0.30776 0.309567 0.288643 0.282039 0.277176 Inefficiency 0.208412 elastic abr bb bola dy kama ar gd ra

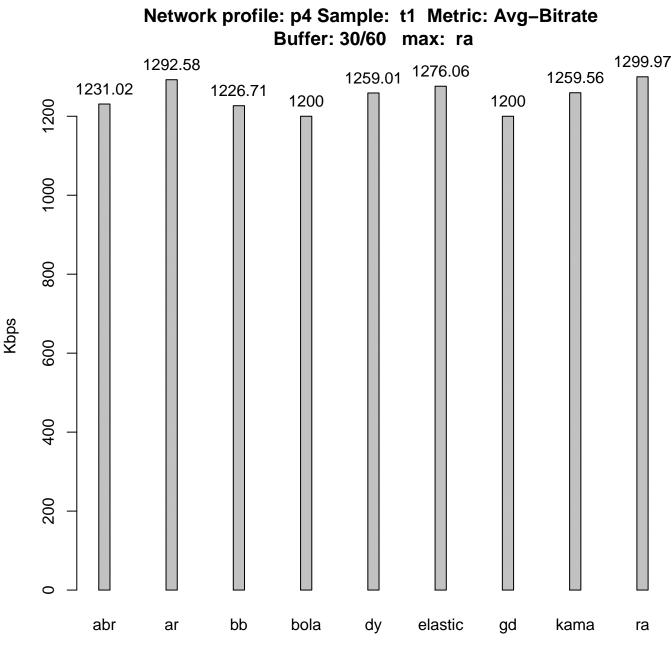


Network profile: p3 Sample: t7 Metric: Avg-Bitrate Buffer: 30/60 max: bb 1822.08 1671.47 1688.35 1719.66 1711.27 1658.75 1651.33 ^{1679.94}



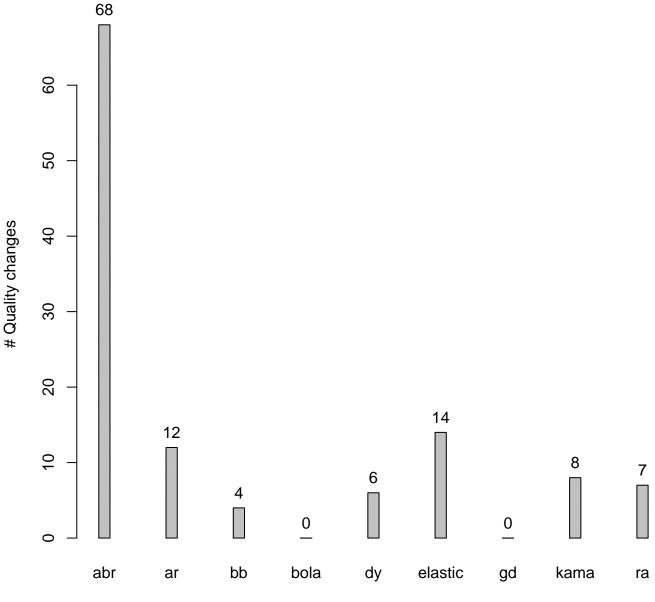
Network profile: p3 Sample: t7 Metric: Inefficiency Buffer: 30/60 min: elastic 0.456624 0.43431 0.324779 0.323422 0.304098 0.290583 0.286123 0.282208 0.271797 Inefficiency 0.1 elastic abr bb bola dy kama ar gd ra

Network profile: p3 Sample: t7 Metric: # quality change Buffer: 30/60 min: bola 112 100 87 80 # Quality changes 9 54 43 41 38 4 29 19 18 20 bola elastic abr bb dy gd kama ar ra

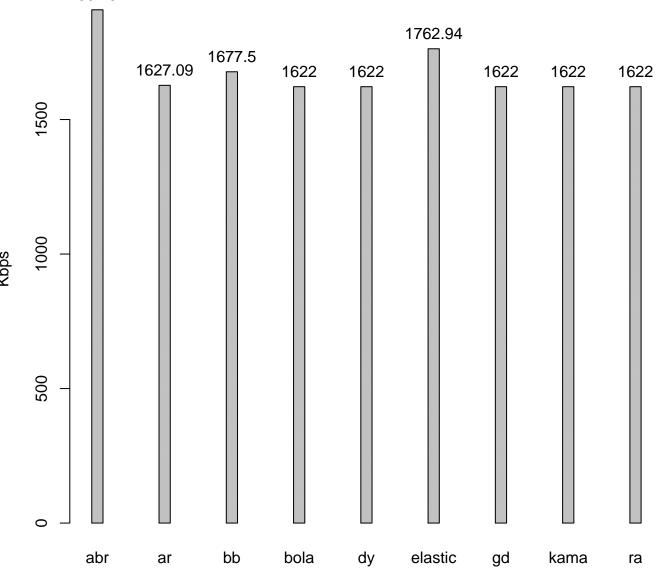


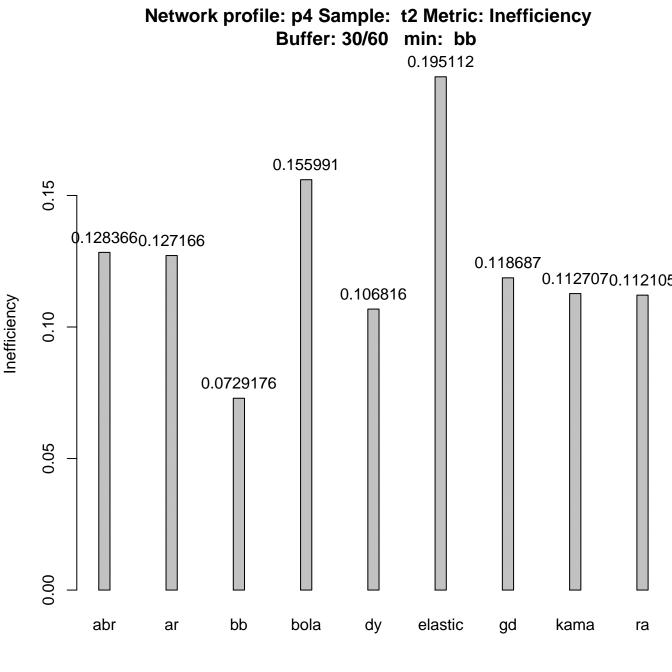
Network profile: p4 Sample: t1 Metric: Inefficiency Buffer: 30/60 min: elastic 0.153777 0.15413 0.151632 0.14817 0.146151 0.1456430.145116 0.134361 0.124738 Inefficiency 0.05 elastic abr bb bola dy kama ar gd ra

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

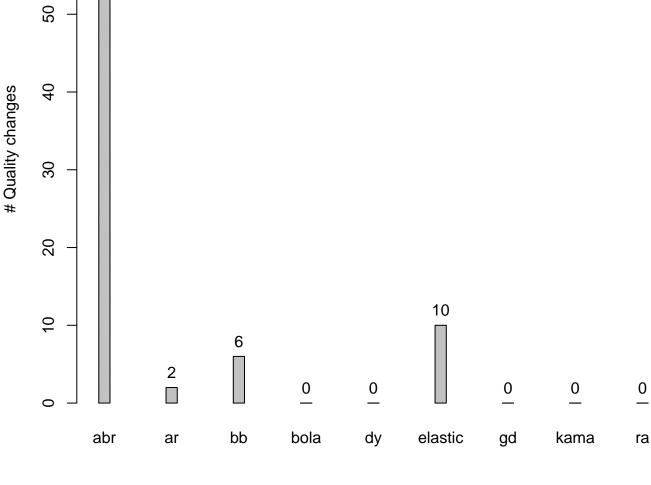


Network profile: p4 Sample: t2 Metric: Avg-Bitrate
Buffer: 30/60 max: abr
1907.87





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: ra 1876.26 1870 1808.33 1698.96 ^{1741.66} 1729.94 1602.73 1591.07 1500 1301.59 500 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t3 Metric: Inefficiency Buffer: 30/60 min: bb 0.175305 0.166996 0.156008 0.15 0.14656 0.138591 0.124199 0.123083 0.099313 0.0976586 Inefficiency 0.05 elastic abr bb bola dy kama ar gd ra

Network profile: p4 Sample: t3 Metric: # quality change Buffer: 30/60 min: bola 154 140 120 100 # Quality changes 80 61 57 9 41 39 4 30 29 27 20 3

bola

dy

bb

ar

elastic

gd

kama

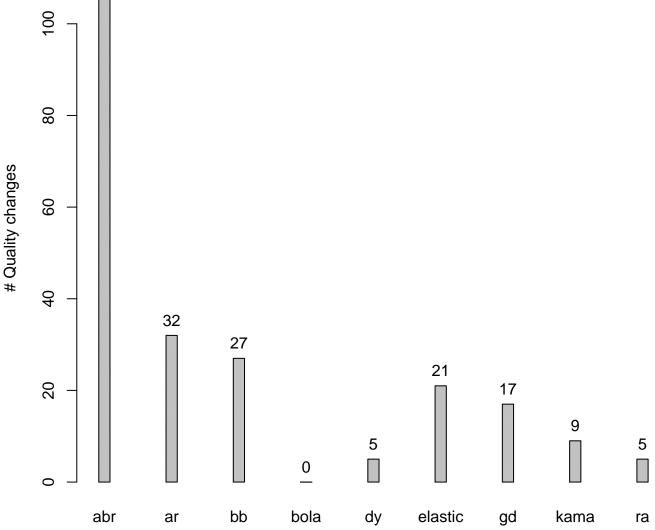
ra

abr

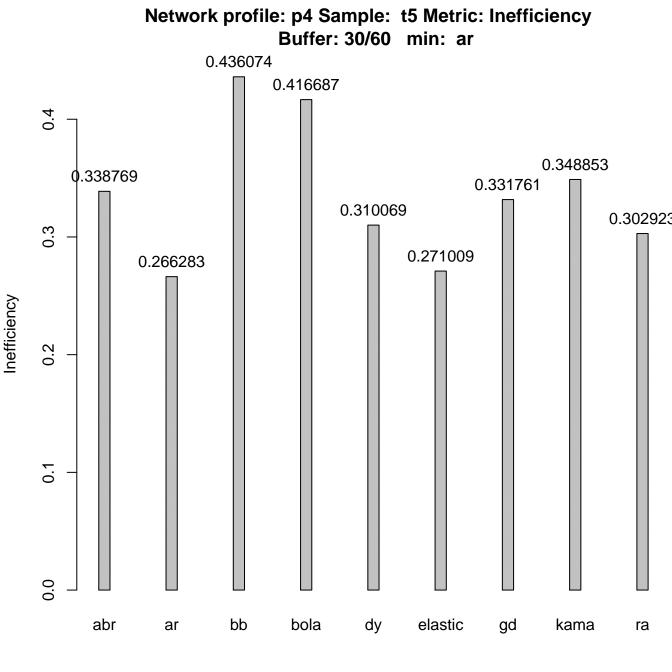
Network profile: p4 Sample: t4 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 1608.97 1500 1461.76 1439.19 1444.01 1411.39 1397.28 1399.51 1221.85 1143 500 bola elastic abr bb dy kama ar gd ra

Network profile: p4 Sample: t4 Metric: Inefficiency Buffer: 30/60 min: bb 0.160361 0.142689 0.133301 0.126368 0.124818 0.119627^{0.121847} 0.0967904 0.0939306 Inefficiency 0.05 elastic abr bb bola dy kama ar gd ra

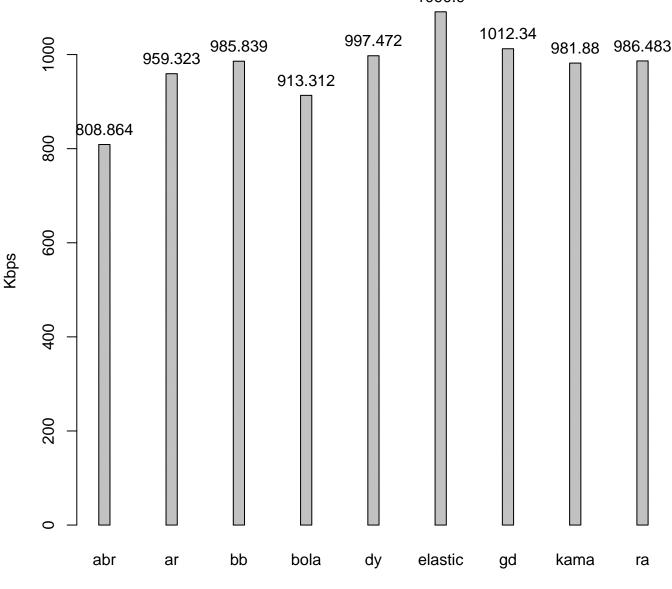
Network profile: p4 Sample: t4 Metric: # quality change Buffer: 30/60 min: bola 112



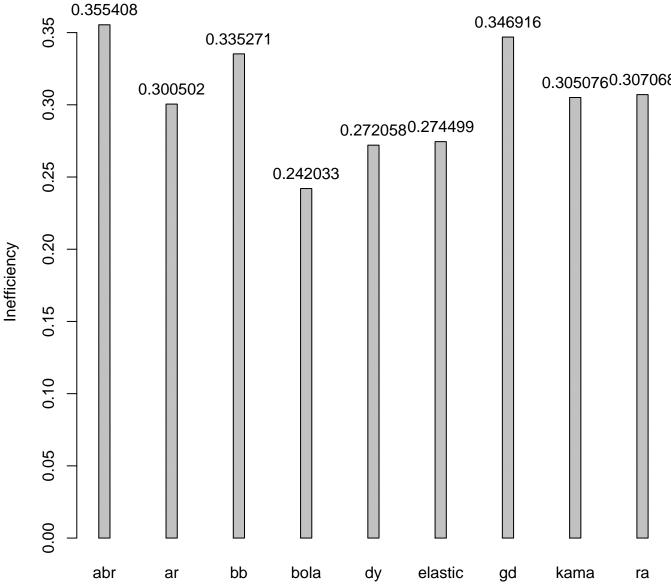
Network profile: p4 Sample: t5 Metric: Avg-Bitrate **Buffer: 30/60** max: ar 1071.41 1020.99 1006.68 1000 908.045 784.305 800 759.427 700.349 900 532.979 536.216 400 200 bola elastic abr bb dy kama ar gd ra

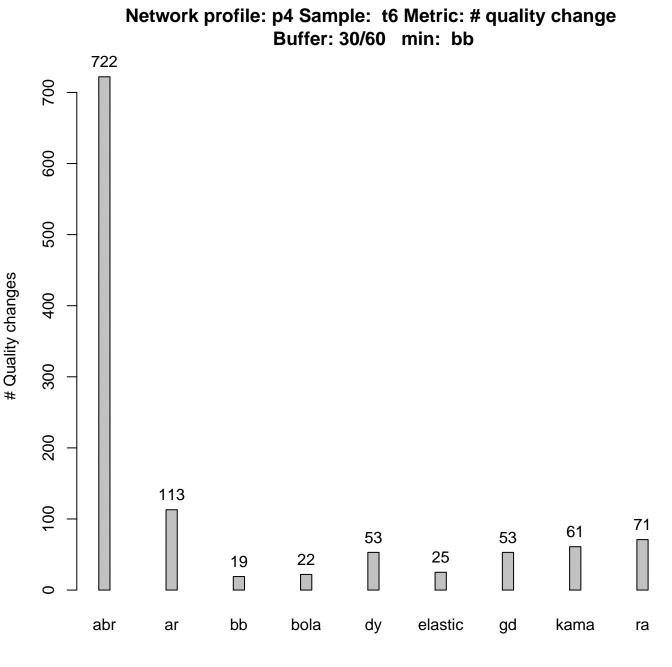


Network profile: p4 Sample: t5 Metric: # quality change Buffer: 30/60 min: bb 102 80 # Quality changes 9 4 30 20 15 13 11 8 8 6 5 abr bola elastic kama bb dy gd ar ra Network profile: p4 Sample: t6 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1090.9

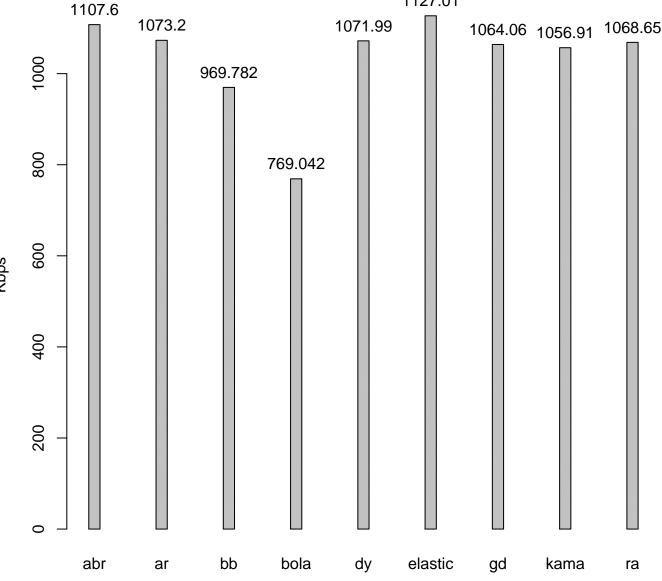


Network profile: p4 Sample: t6 Metric: Inefficiency Buffer: 30/60 min: bola 0.346916 0.335271

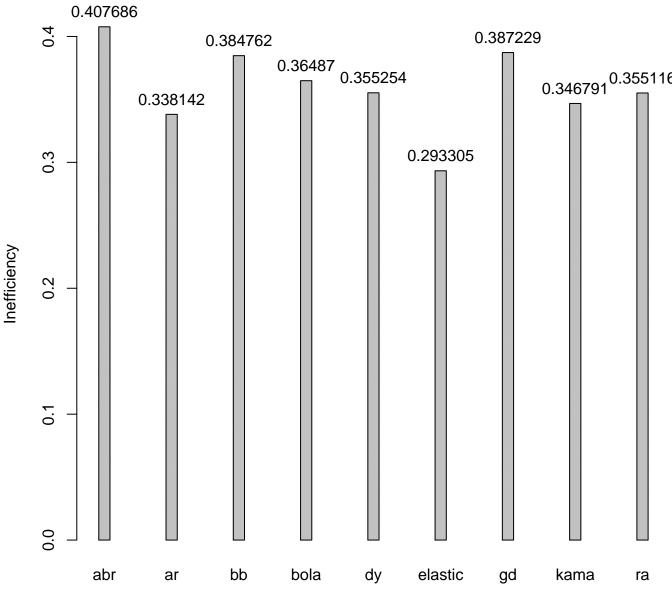




Network profile: p4 Sample: t7 Metric: Avg-Bitrate
Buffer: 30/60 max: elastic
1127.01



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



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

