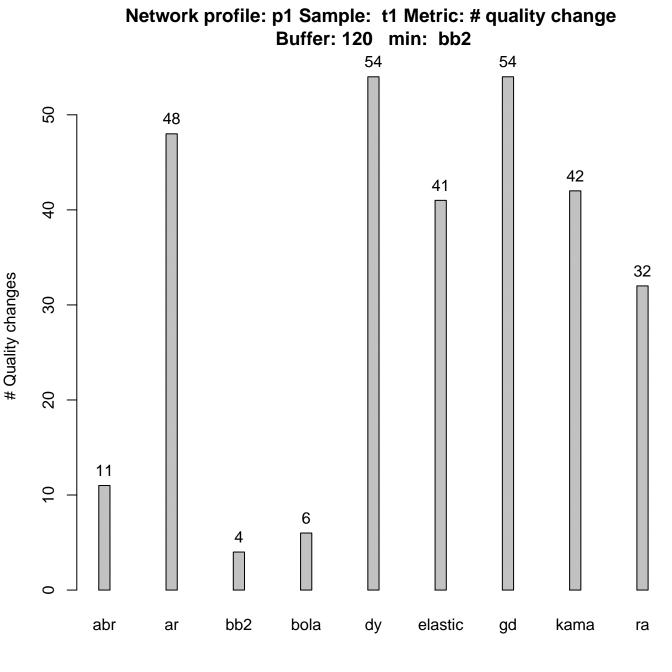
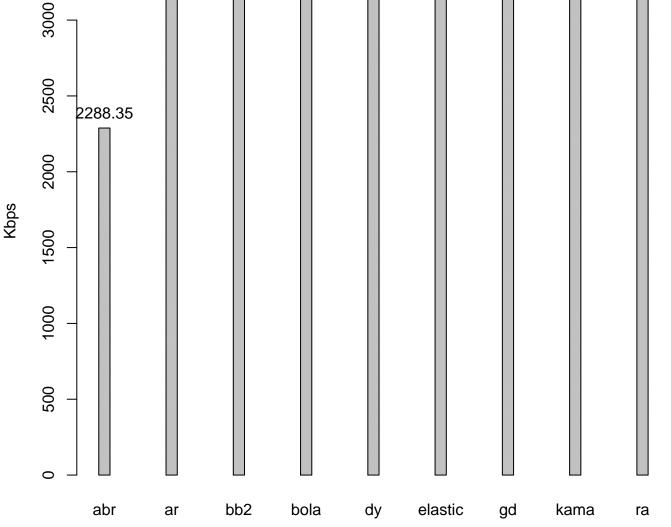


Network profile: p1 Sample: t1 Metric: Inefficiency Buffer: 120 min: elastic 0.397339 0.335798 0.327201 0.262952 0.259368 0.258684 0.25649 0.245802 Inefficiency 0.201188 elastic abr bb2 bola dy kama ar gd ra

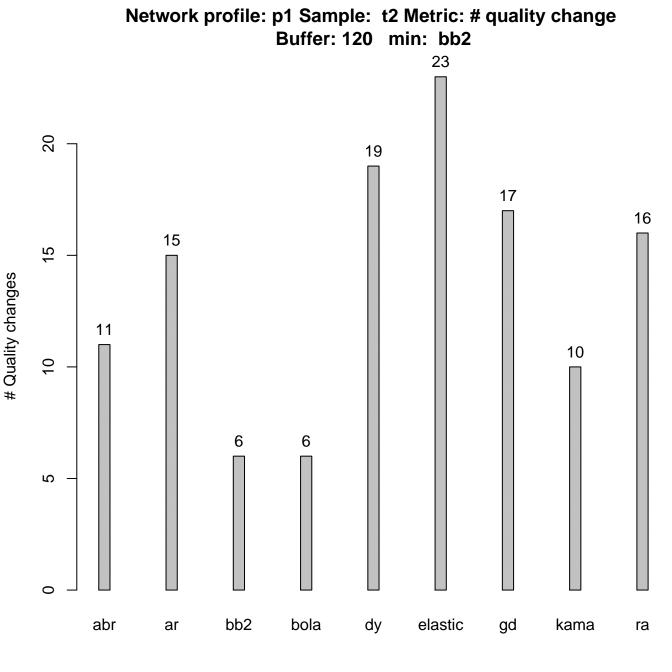


Network profile: p1 Sample: t2 Metric: Avg-Bitrate Buffer: 120 max: kama 3384.52 3351.78 3336.42 3246.31 3192.38 3160.56 3161.25 3167.73

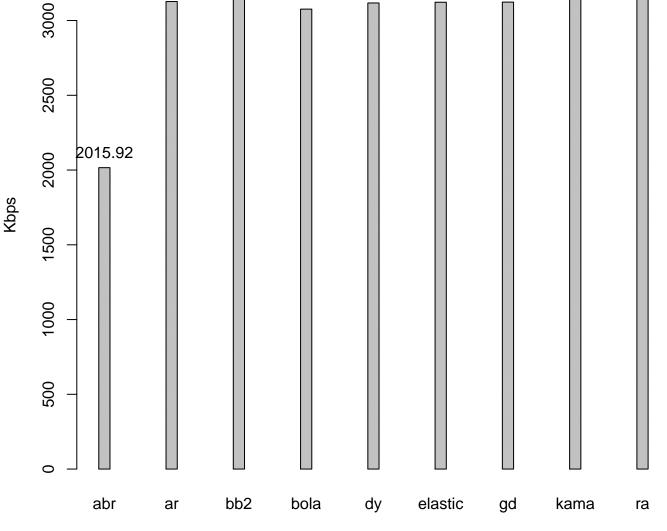


Buffer: 120 min: kama 0.345286 0.30 0.288348 0.266467 0.25 0.213205 0.199259 0.20  $0.186465^{0.191776}$ 0.191987 Inefficiency 0.163693 0.15 0.10 0.05 elastic abr bb2 bola dy kama ar gd ra

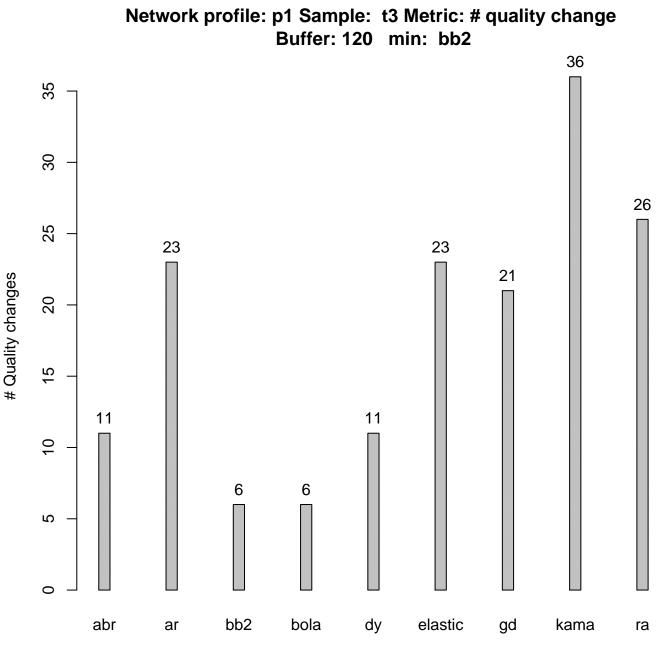
Network profile: p1 Sample: t2 Metric: Inefficiency



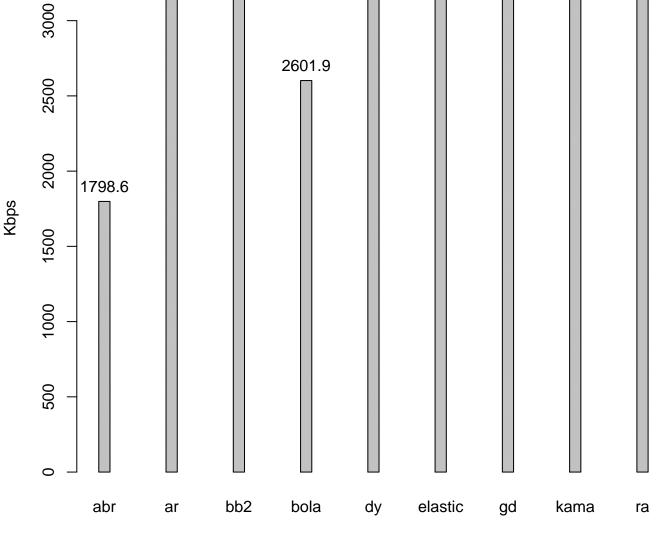
Network profile: p1 Sample: t3 Metric: Avg-Bitrate Buffer: 120 max: bb2 3432.96 3381.63 3358.4 3076.22 3117.44 3122.31 3123.27 3127.05



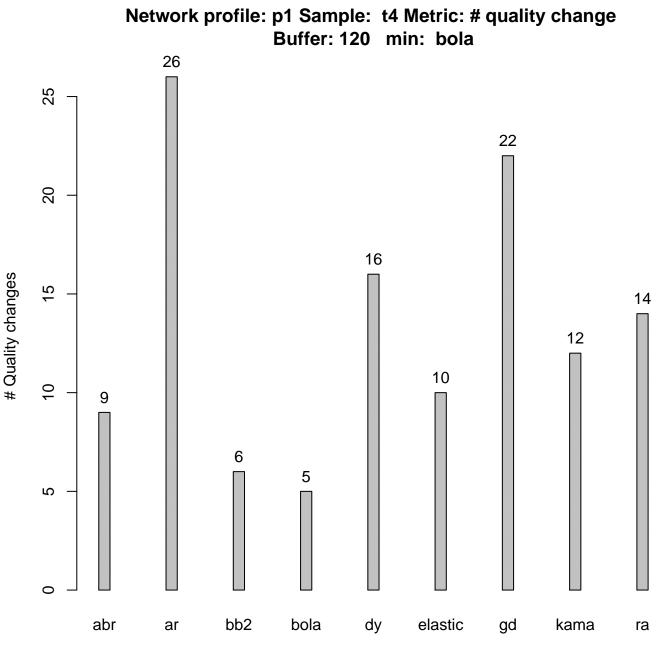
Network profile: p1 Sample: t3 Metric: Inefficiency Buffer: 120 min: ra 0.425468 0.38268 0.339567 0.292425 0.290598 0.277324 0.27286 0.231827 Inefficiency 0.214656 elastic abr bb2 bola dy kama ar gd ra



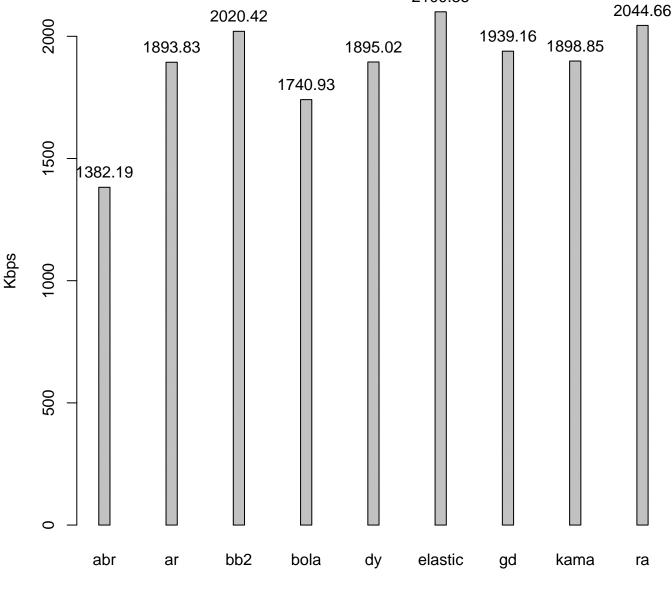
Network profile: p1 Sample: t4 Metric: Avg-Bitrate Buffer: 120 max: bb2 3352.52 3411.09 3359.41 3360.63 3357.75 3331.71 3284.2 2601.9

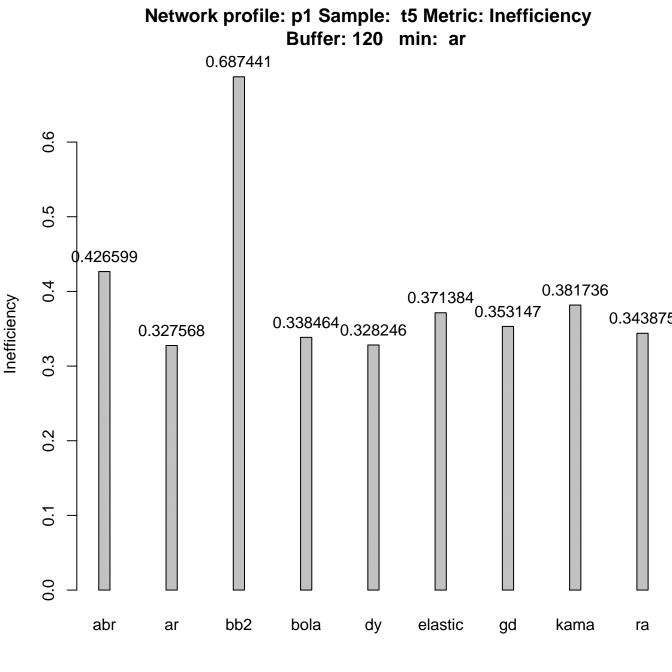


**Network profile: p1 Sample: t4 Metric: Inefficiency** Buffer: 120 min: elastic 0.402043 70.384585 0.356724 0.239726 0.227564 0.215363 Inefficiency 0.1911920.195245 0.160177 elastic abr bb2 bola dy kama ar gd ra

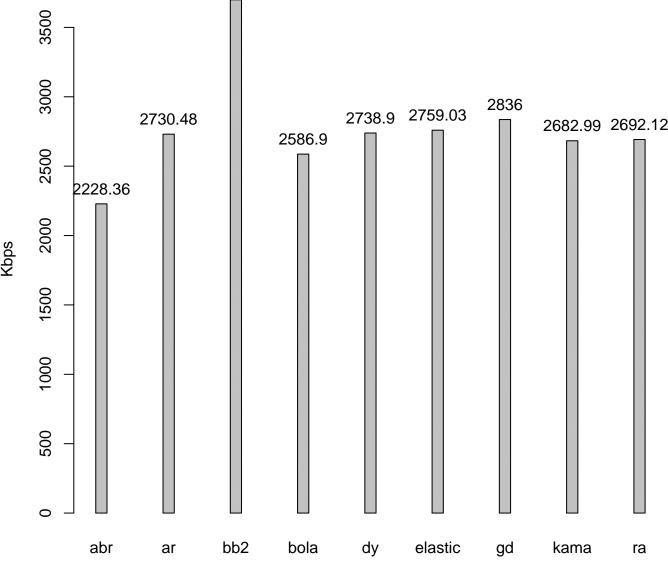


Network profile: p1 Sample: t5 Metric: Avg-Bitrate
Buffer: 120 max: elastic
2100.35





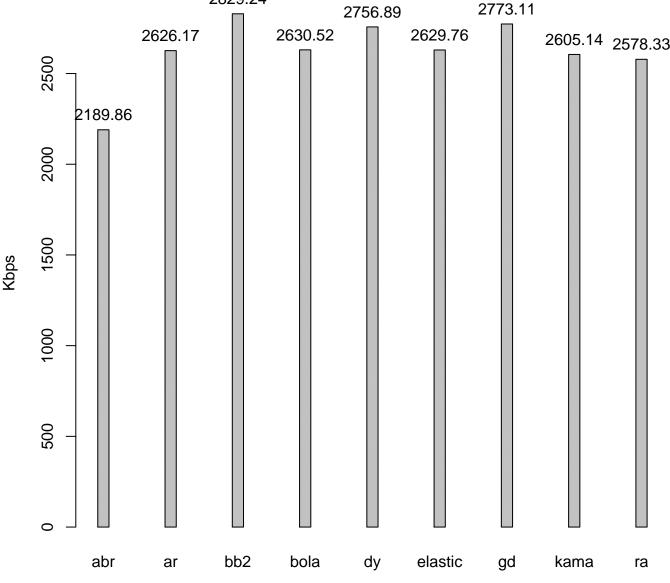
Network profile: p1 Sample: t5 Metric: # quality change Buffer: 120 min: abr 11 10 8 8 8 8  $\infty$ # Quality changes 6 6 9  $\alpha$ bb2 bola elastic abr dy gd kama ar ra Network profile: p1 Sample: t6 Metric: Avg-Bitrate
Buffer: 120 max: bb2
3698.9



**Network profile: p1 Sample: t6 Metric: Inefficiency** Buffer: 120 min: elastic 0.45522 0.355483 0.296998 0.288287 0.289507 0.281072 0.274615 0.271023 0.249317 Inefficiency 0.1 elastic abr bb2 bola dy kama ar gd ra

Network profile: p1 Sample: t6 Metric: # quality change Buffer: 120 min: bola 52 50 48 44 41 41 4 38 35 # Quality changes 30 19 19 20 10 bb2 bola elastic abr dy gd kama ar ra

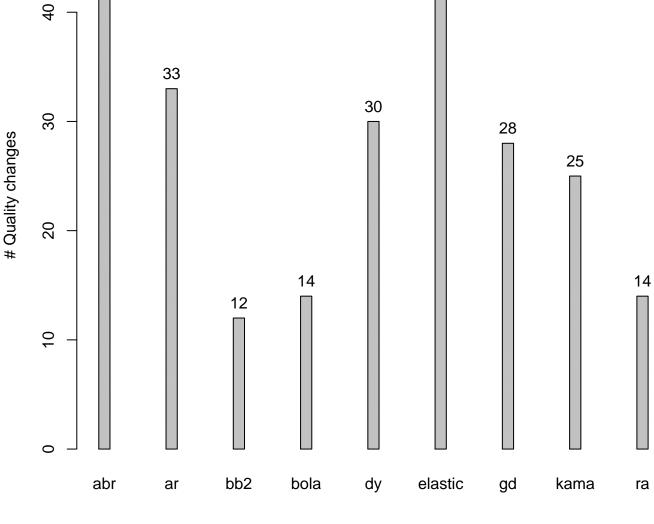
Network profile: p1 Sample: t7 Metric: Avg-Bitrate
Buffer: 120 max: bb2



Buffer: 120 min: elastic 0.431487 70.381902 0.268223 0.250297 0.246784 0.238628 0.233047<sub>0.227063</sub> Inefficiency 0.212398 elastic abr bb2 bola dy kama ar gd ra

**Network profile: p1 Sample: t7 Metric: Inefficiency** 

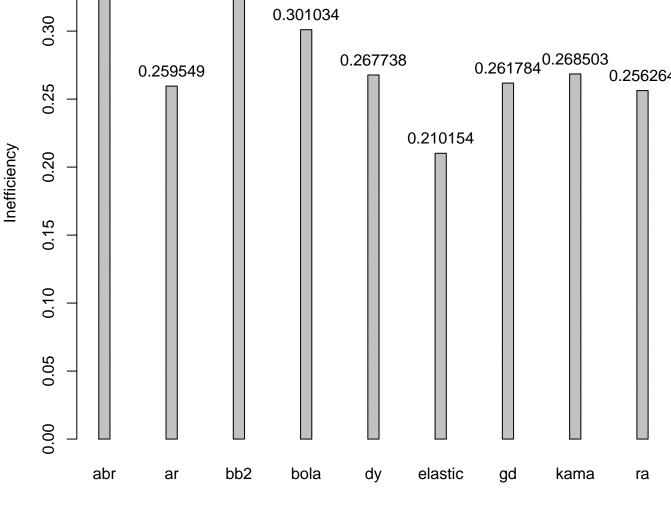
Network profile: p1 Sample: t7 Metric: # quality change Buffer: 120 min: bb2 



Buffer: 120 max: elastic 2907.87 2886.56 2821.44 2839.57 2703.61 2717.47 2723.74 2717.11 2500 2000 1827.17 1500 1000 500 elastic abr bb2 bola dy kama ar gd ra

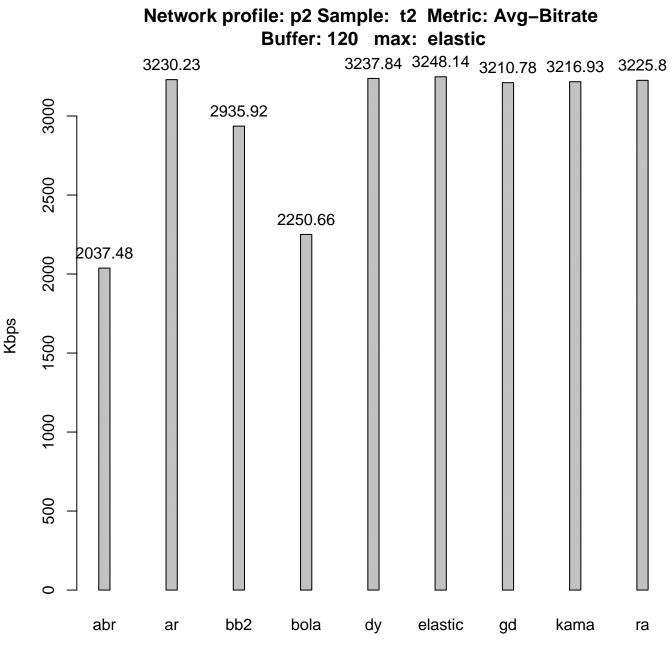
Network profile: p2 Sample: t1 Metric: Avg-Bitrate

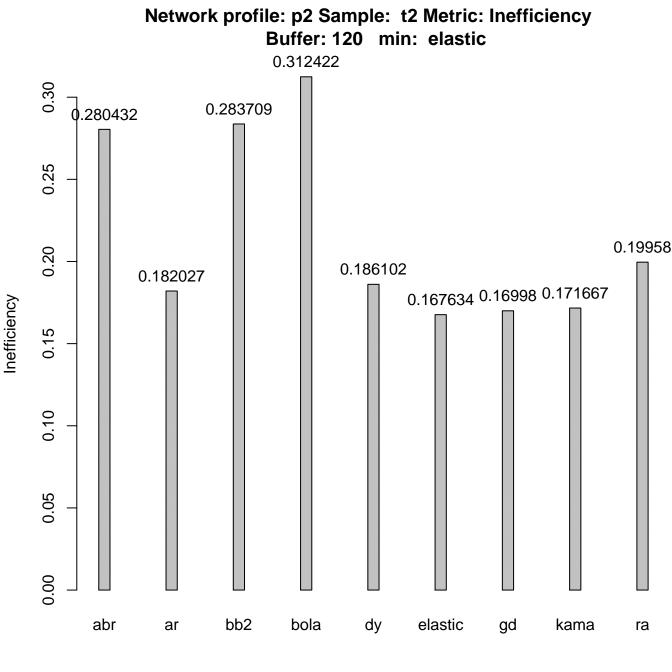
**Network profile: p2 Sample: t1 Metric: Inefficiency** Buffer: 120 min: elastic 0.377443 0.331089 0.301034 0.261784 0.267738 0.259549 0.210154

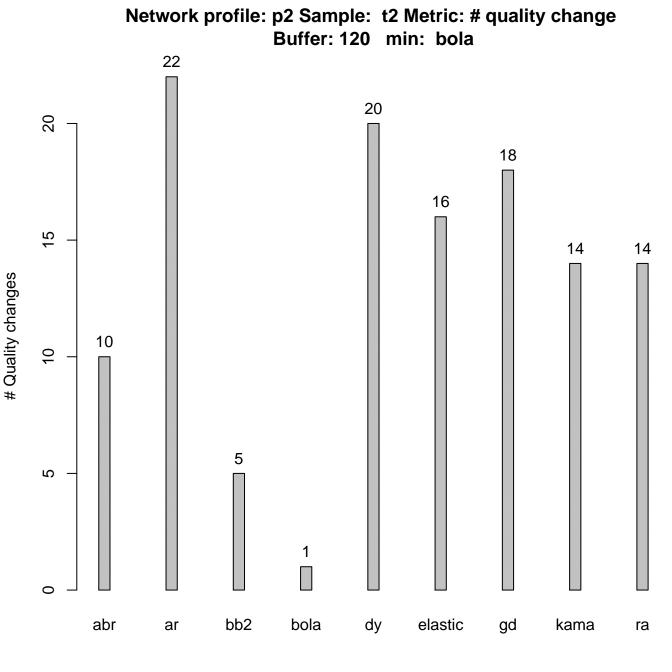


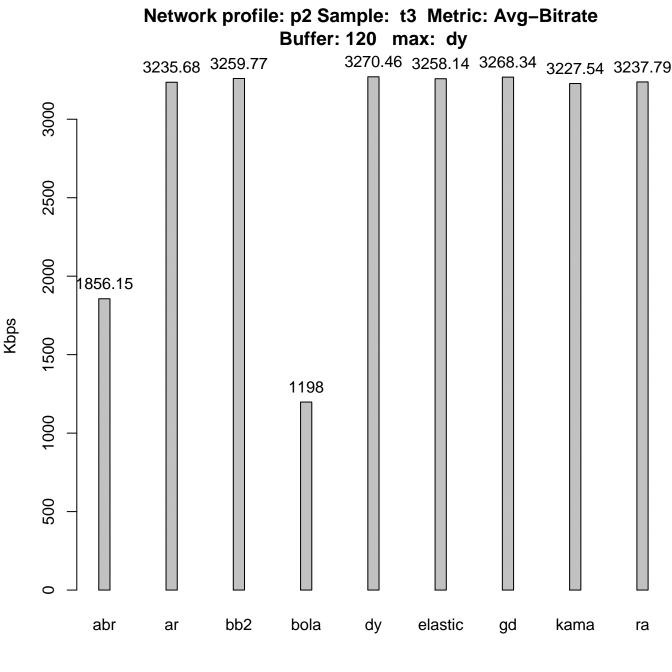
0.35

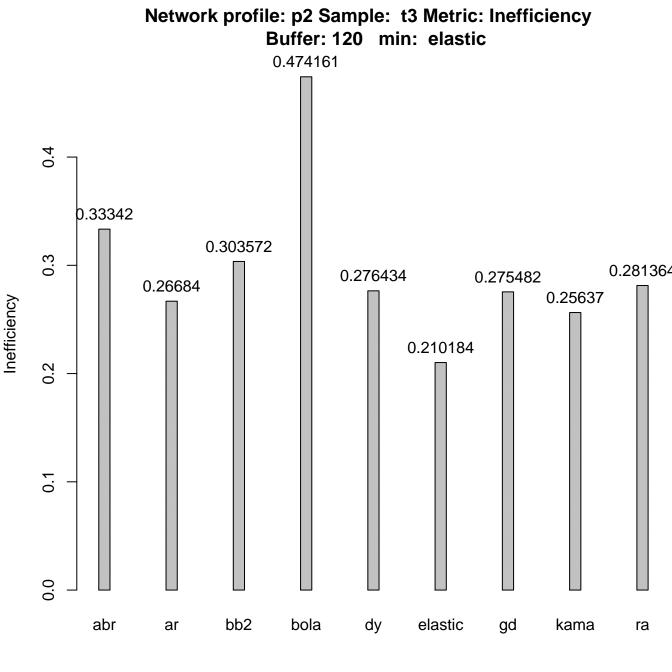
Network profile: p2 Sample: t1 Metric: # quality change Buffer: 120 min: bb2 57 57 51 50 50 44 39 40 # Quality changes 30 20 12 10 5 5 bb2 bola elastic abr dy gd kama ar ra

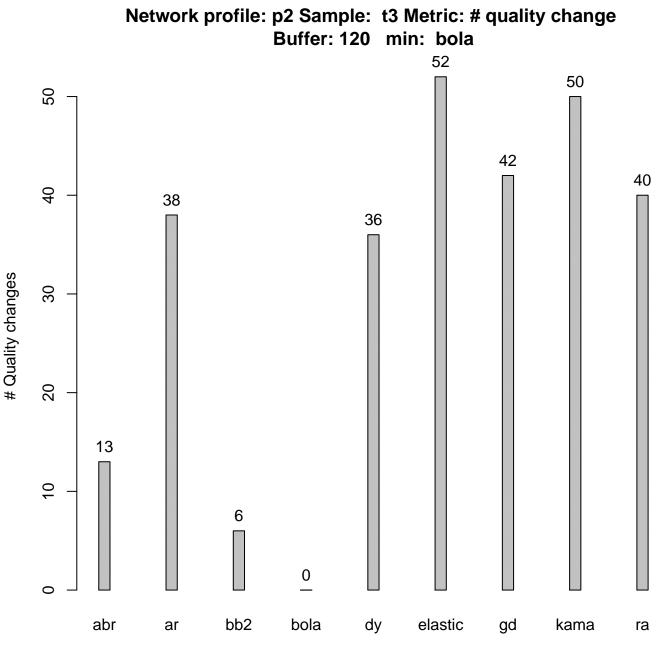




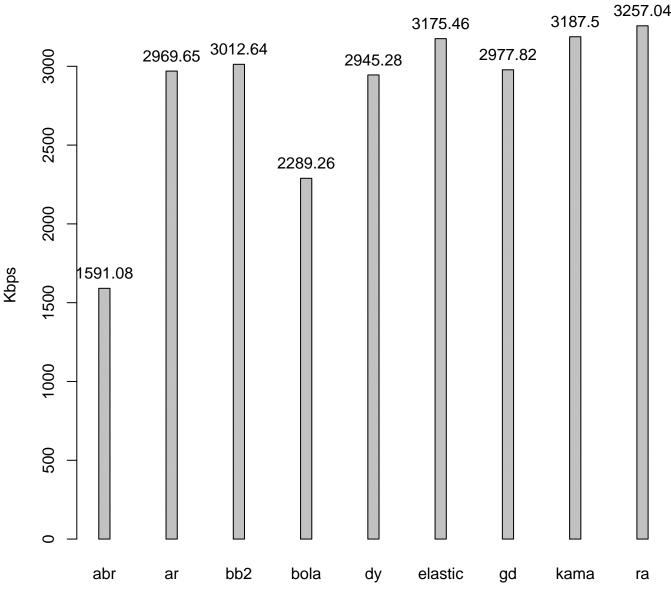




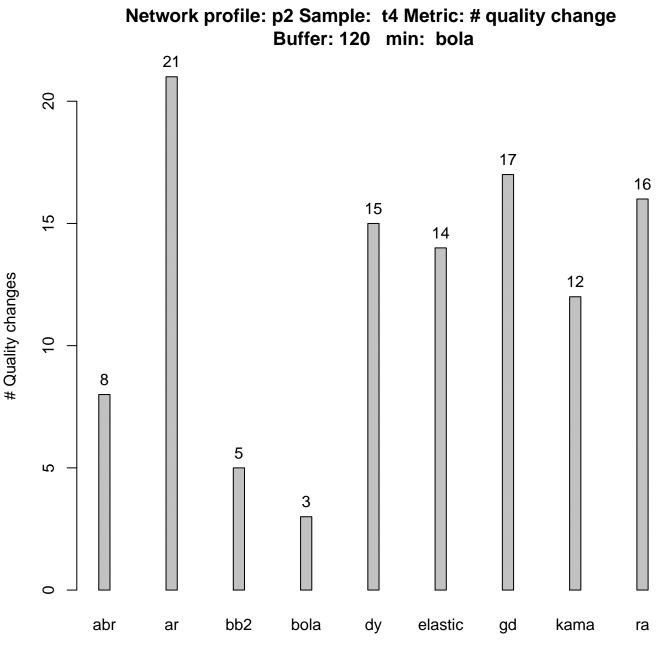


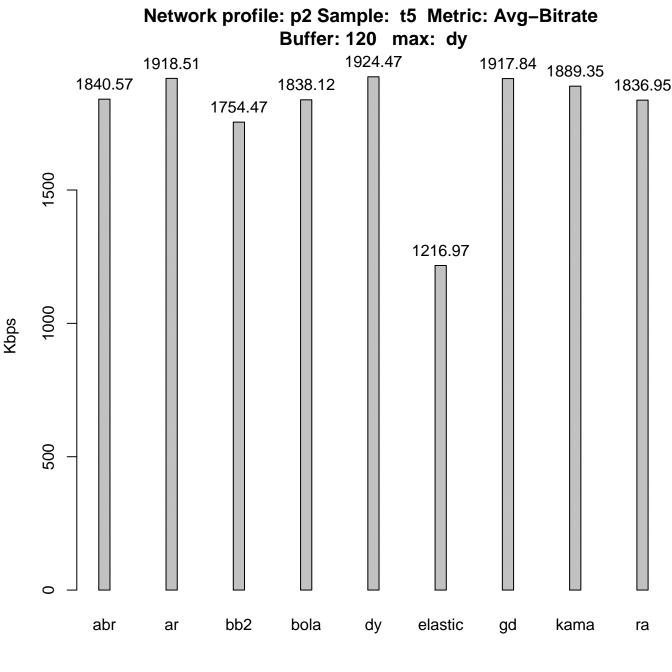


Network profile: p2 Sample: t4 Metric: Avg-Bitrate
Buffer: 120 max: ra

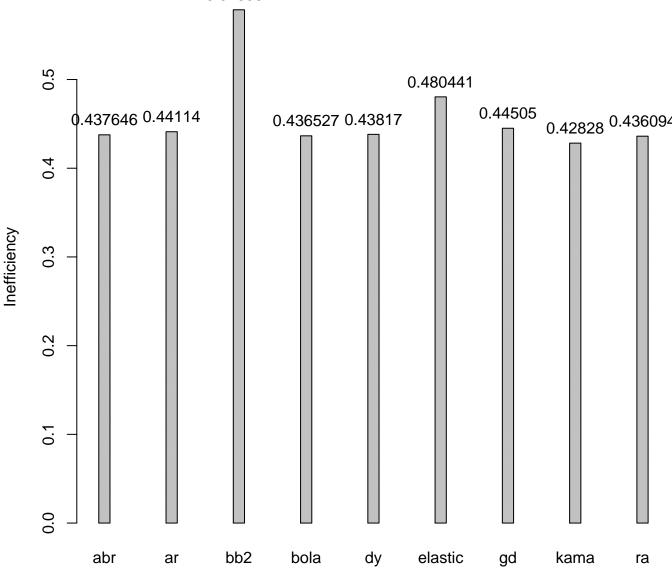


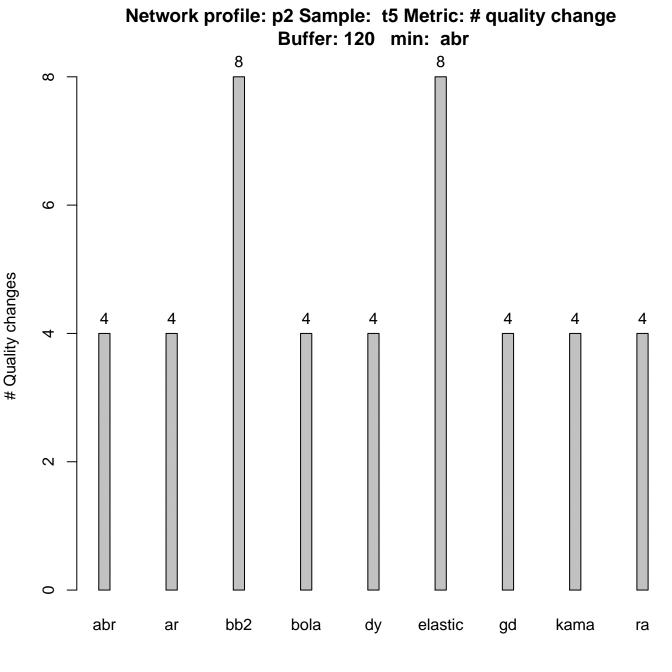
**Network profile: p2 Sample: t4 Metric: Inefficiency** Buffer: 120 min: elastic 0.379506 0.35 0.344636 0.30 0.261634 0.25 Inefficiency 0.20 0.177916 0.1651 0.159734 0.158261 0.149073 0.15 0.134848 0.10 0.05 bola elastic abr bb2 dy kama ar gd ra





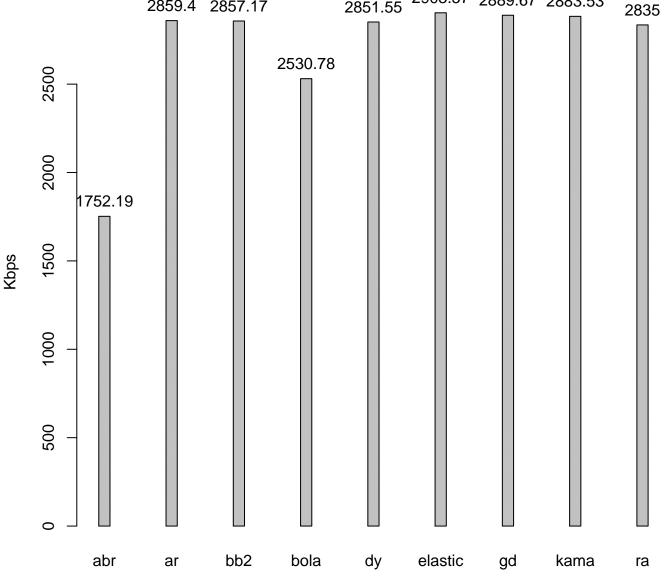
Network profile: p2 Sample: t5 Metric: Inefficiency Buffer: 120 min: kama 0.578587





Network profile: p2 Sample: t6 Metric: Avg-Bitrate
Buffer: 120 max: elastic

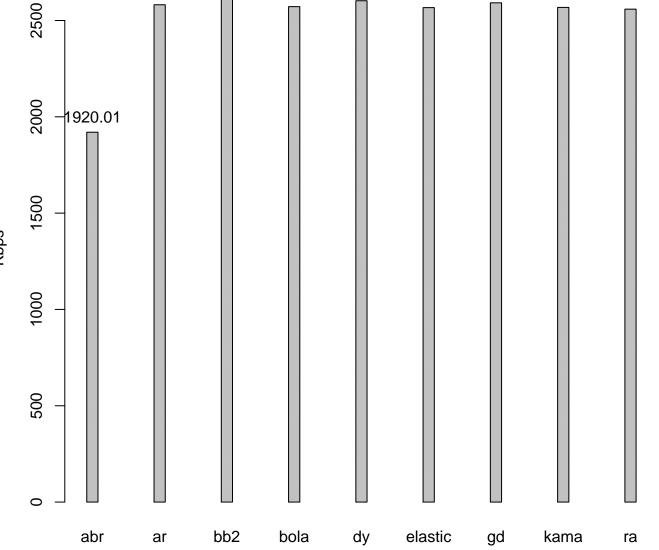
2859.4 2857.17 2851.55 2903.57 2889.67 2883.53



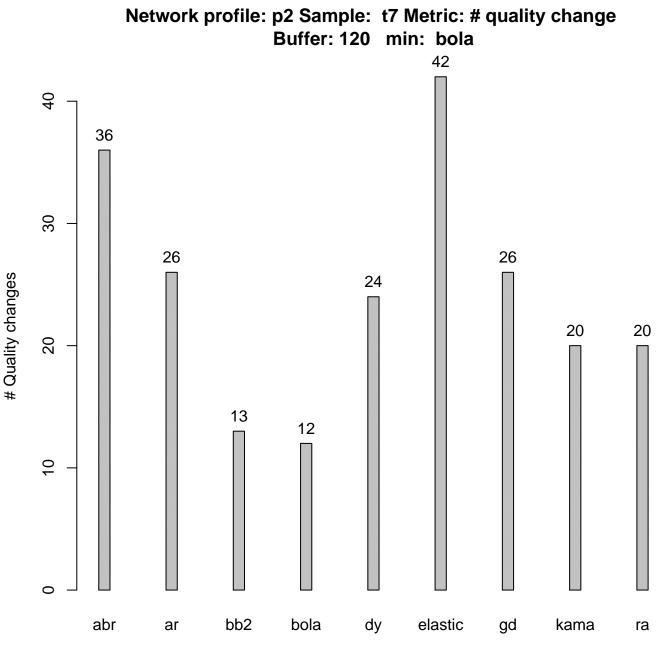
**Network profile: p2 Sample: t6 Metric: Inefficiency** Buffer: 120 min: elastic 0.43317 0.4 0.350563 0.295404 0.286576 0.278049 0.289142 0.272457 0.271308 0.235904 Inefficiency elastic abr bb2 bola dy kama ar gd ra

Network profile: p2 Sample: t6 Metric: # quality change Buffer: 120 min: bola 53 50 46 42 42 40 4 38 33 # Quality changes 30 24 20 17 10 bb2 bola elastic abr dy gd kama ar ra

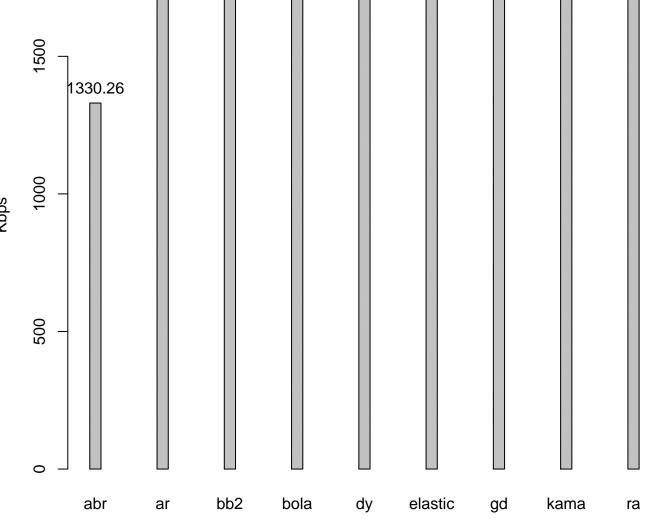
Network profile: p2 Sample: t7 Metric: Avg-Bitrate Buffer: 120 max: bb2 2664.61 2571.95 <sup>2602.6</sup> <sub>2566.87</sub> <sup>2591.76</sup> <sub>2567.95</sub> <sub>2558.94</sub> 2581.72



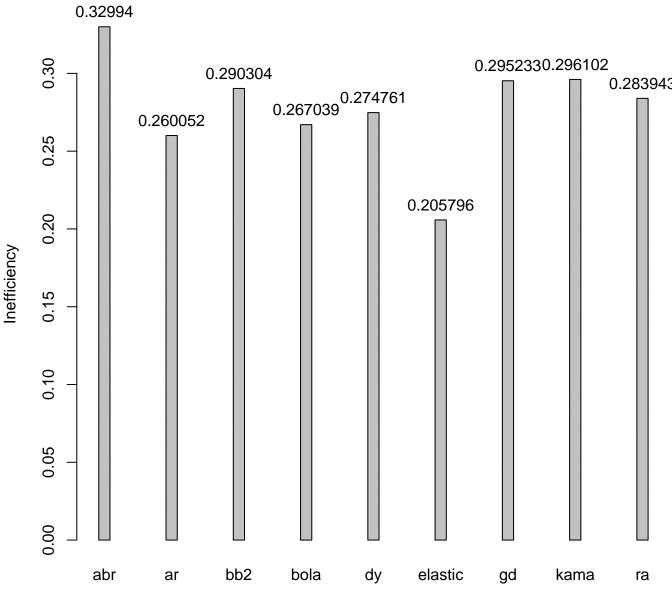
**Network profile: p2 Sample: t7 Metric: Inefficiency** Buffer: 120 min: elastic 0.39989 0.353768 0.287041 0.2583370.256564 0.25311 0.249843 0.245819 Inefficiency 0.204852 0.2 elastic abr bb2 bola dy kama ar gd ra



Network profile: p3 Sample: t1 Metric: Avg-Bitrate Buffer: 120 max: bb2 1865.37 1831.28 1843.17 1757.16 1748.51 1771.39 1760.74 1763.4



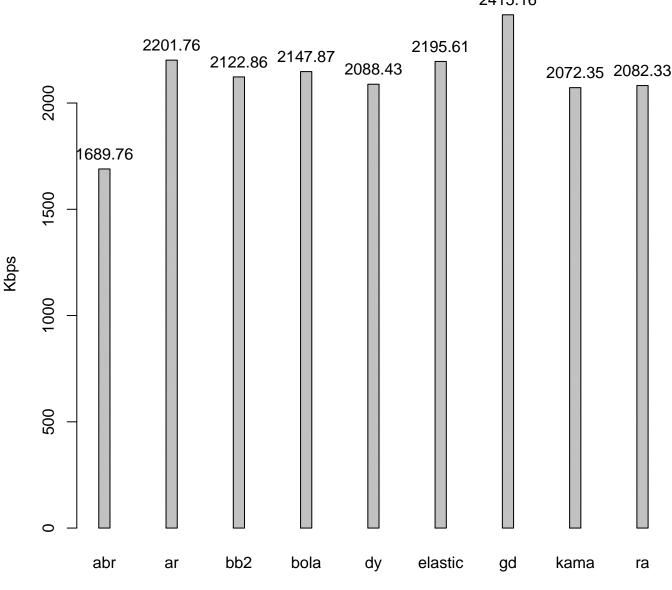
Network profile: p3 Sample: t1 Metric: Inefficiency Buffer: 120 min: elastic



Network profile: p3 Sample: t1 Metric: # quality change Buffer: 120 min: bola 53 50 50 40 40 37 36 36 # Quality changes 30 26 20 10 10 8 bb2 bola elastic abr dy gd kama ar ra

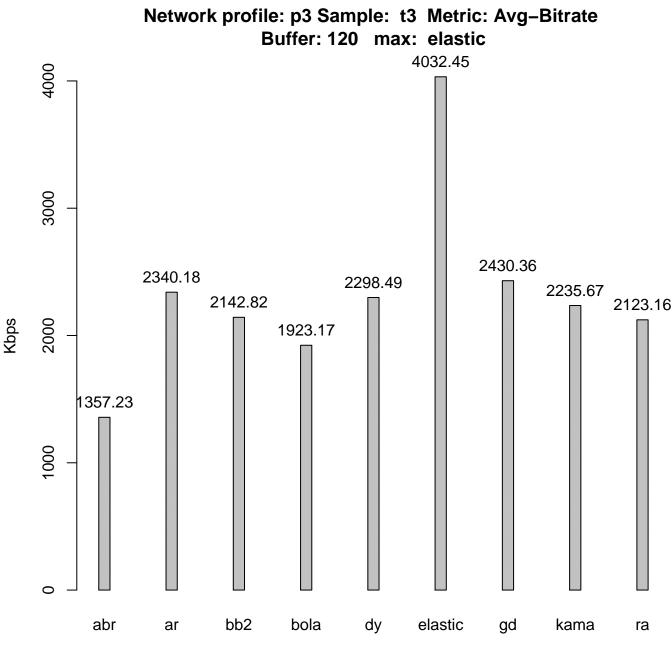
Network profile: p3 Sample: t2 Metric: Avg-Bitrate
Buffer: 120 max: gd

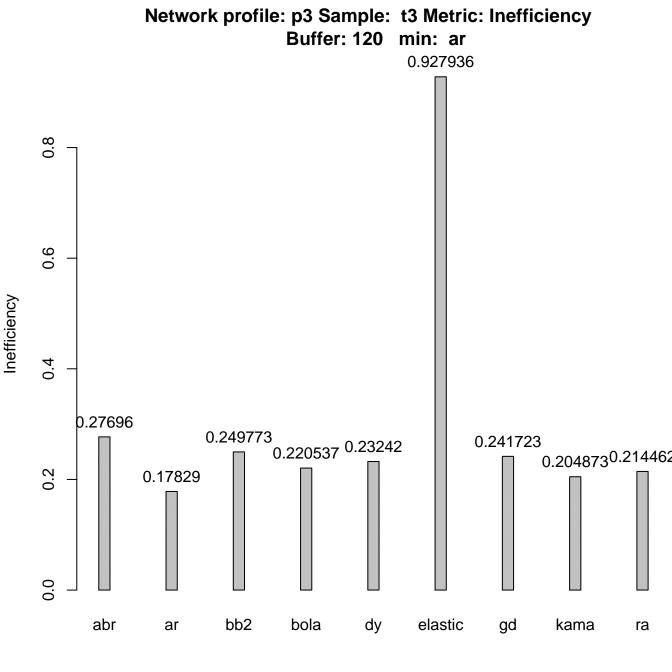
2415.16

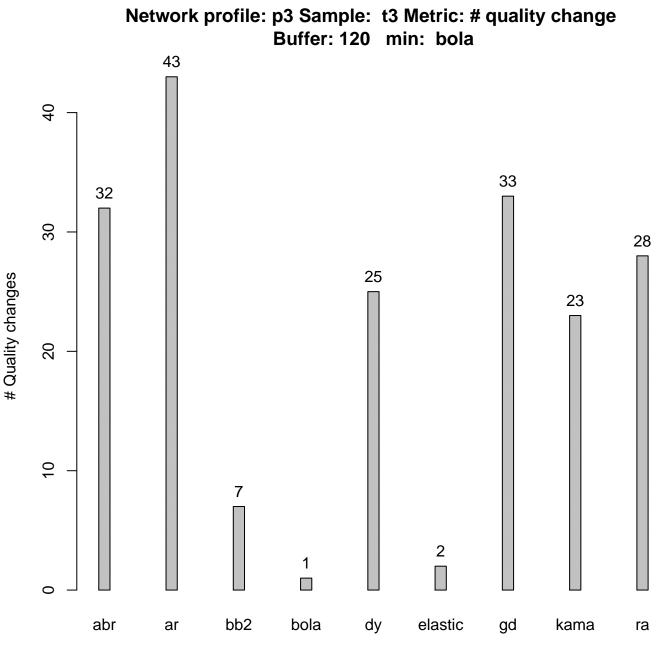


Network profile: p3 Sample: t2 Metric: Inefficiency Buffer: 120 min: elastic 0.238771 0.227745 0.212421 0.2126930.212049 0.201346 0.199655 0.20 0.195224 0.15 0.142216 Inefficiency 0.10 0.05 elastic abr bb2 bola dy kama ar gd ra

Network profile: p3 Sample: t2 Metric: # quality change Buffer: 120 min: abr 31 30 28 25 23 20 # Quality changes 15 14 12 10 8 5 2 4 bb2 bola elastic abr dy gd kama ar ra

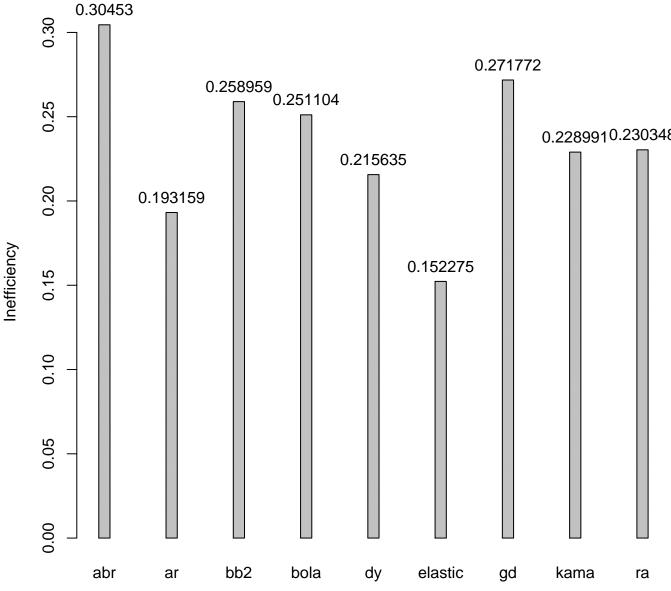


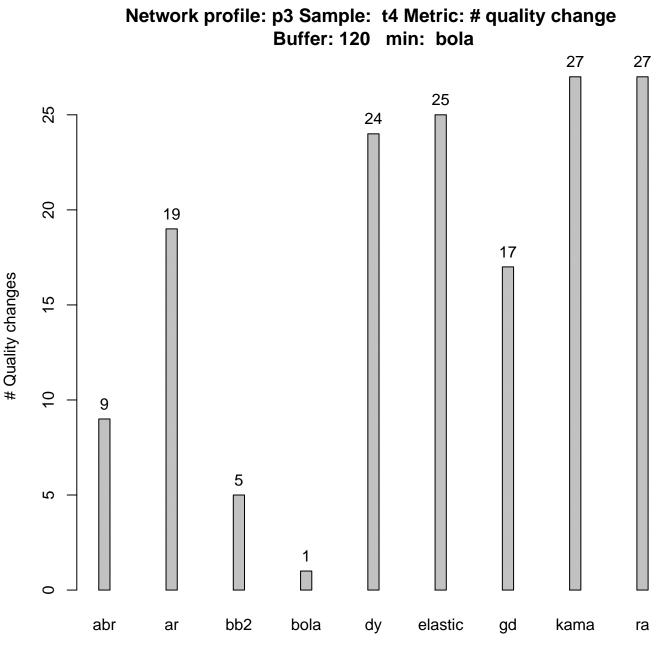




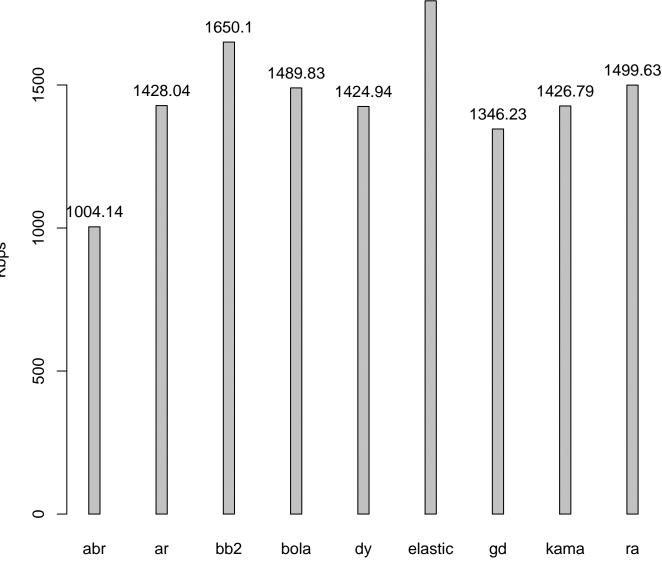
Network profile: p3 Sample: t4 Metric: Avg-Bitrate Buffer: 120 max: dy 2558.65 2500 2312.67 2187.86 2236.37 2178.33 2075.68 2000 1960.77 1744.98 1500 1401.75 1000 500 elastic abr bb2 bola dy kama ar gd ra

Network profile: p3 Sample: t4 Metric: Inefficiency Buffer: 120 min: elastic

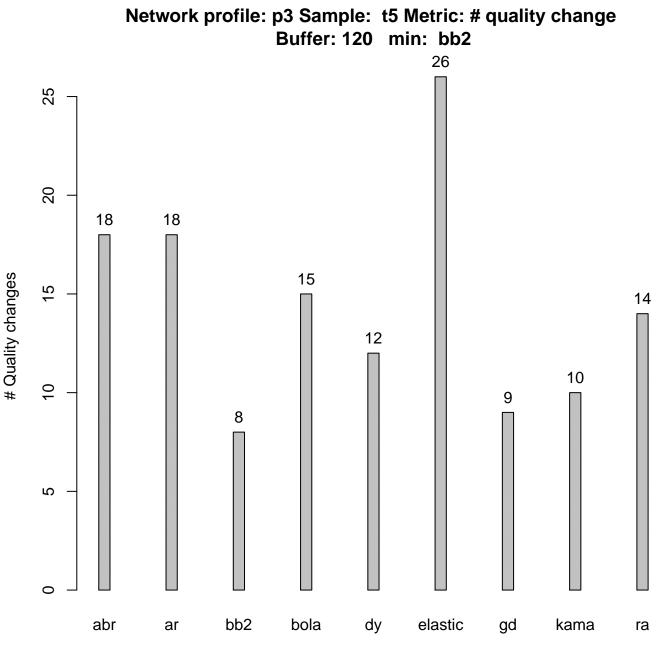




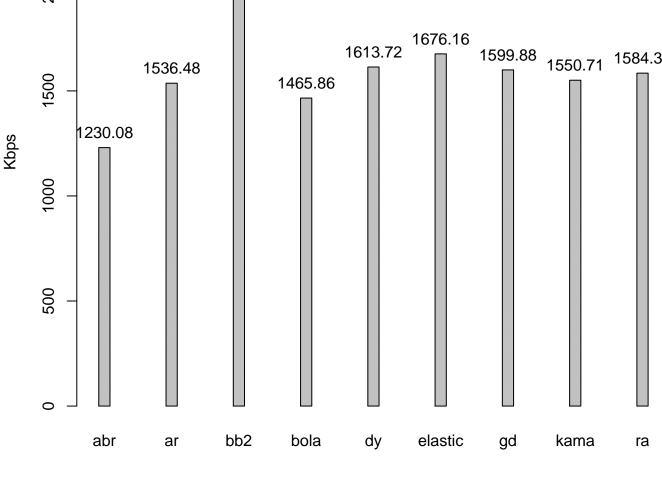
Network profile: p3 Sample: t5 Metric: Avg-Bitrate
Buffer: 120 max: elastic
1794.37



Network profile: p3 Sample: t5 Metric: Inefficiency Buffer: 120 min: elastic 0.550449 0.388135 ₱.382705 0.380592 0.372637 0.339226 0.332997 0.309428 Inefficiency 0.272749 elastic abr bb2 bola dy kama ar gd ra

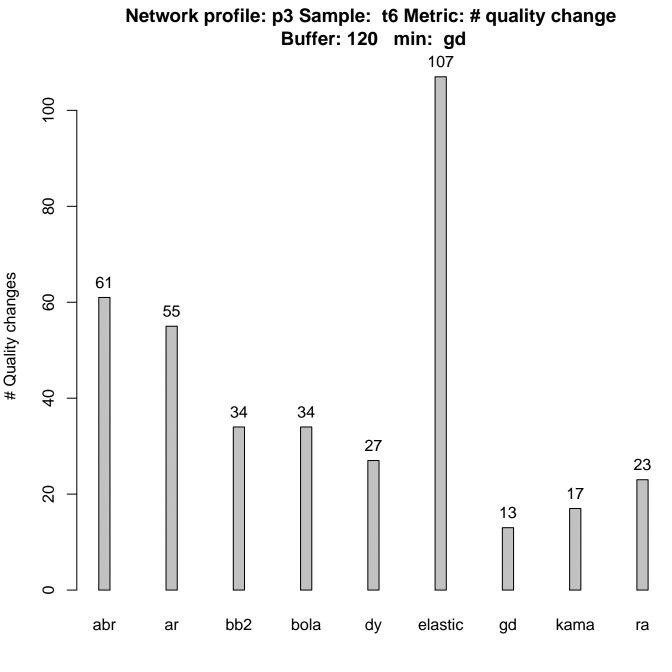


Network profile: p3 Sample: t6 Metric: Avg-Bitrate Buffer: 120 max: bb2 2442.78 2000 1676.16 1613.72 1599.88 1550.71 1584.38 1536.48 1500 1465.86 1230.08 1000

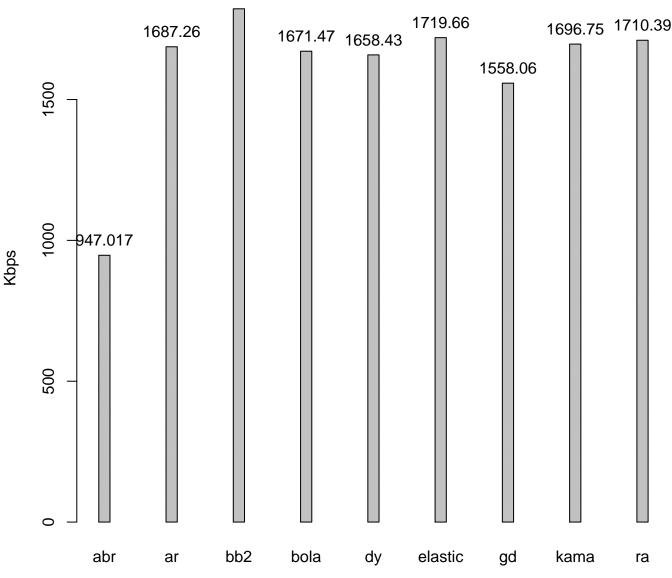


Buffer: 120 min: elastic 0.407453 70.383925 0.311397<sub>0.304861</sub> 0.299274 0.281545 0.277176 0.266645 Inefficiency 0.208412 elastic abr bb2 bola dy kama ar gd ra

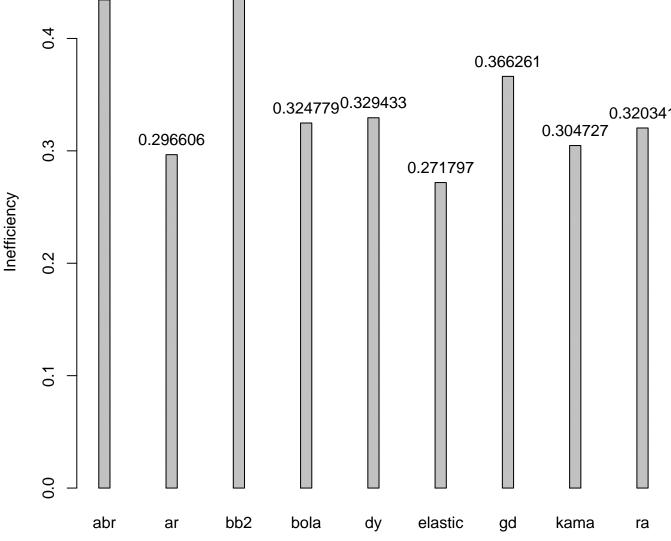
Network profile: p3 Sample: t6 Metric: Inefficiency

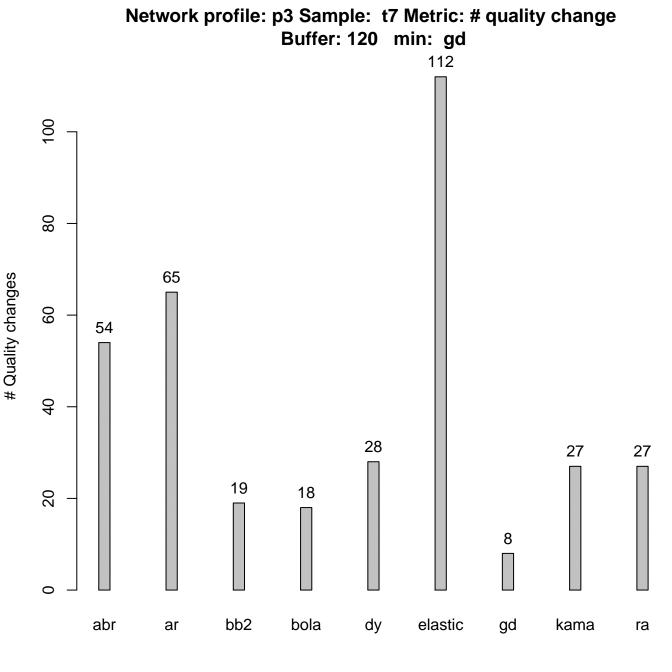


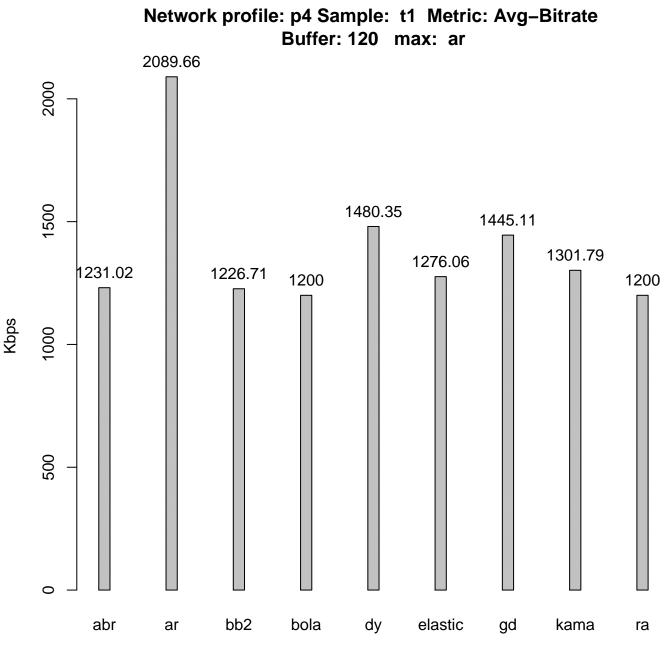
Network profile: p3 Sample: t7 Metric: Avg-Bitrate
Buffer: 120 max: bb2
1822.08



**Network profile: p3 Sample: t7 Metric: Inefficiency** Buffer: 120 min: elastic 0.456624 0.43431 0.366261  $0.324779^{0.329433}$ 0.304727 0.296606 0.271797

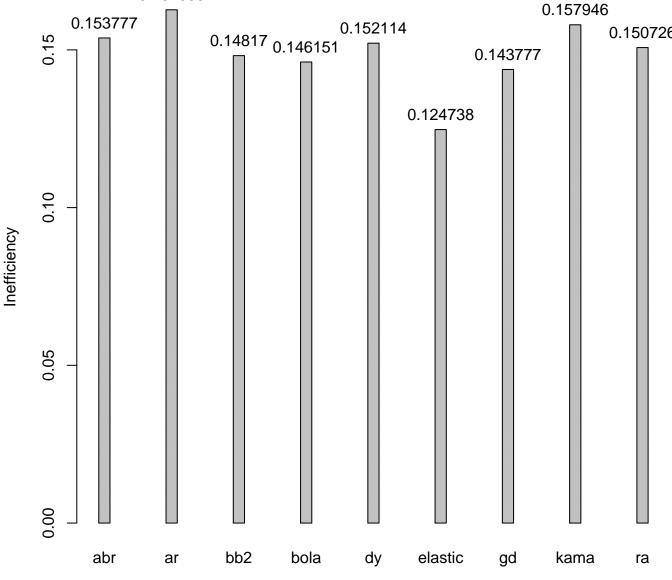






Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 120 min: elastic

0.162699
0.157946



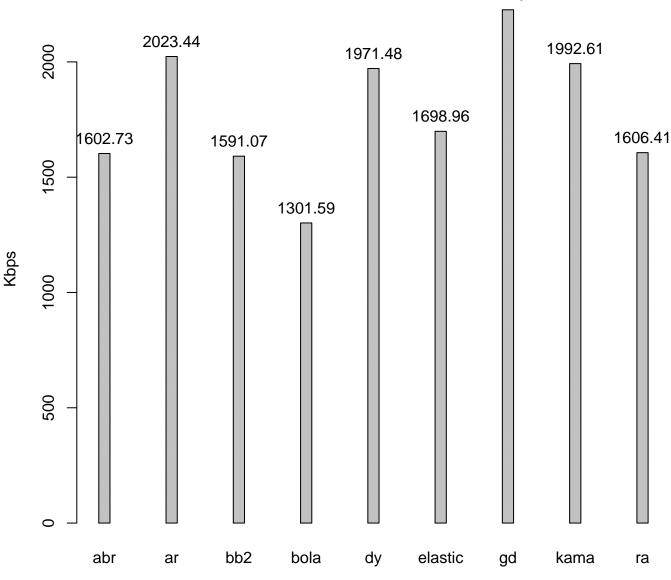
Network profile: p4 Sample: t1 Metric: # quality change Buffer: 120 min: bola 68 9 20 # Quality changes 40 30 22 20 14 10 8 elastic abr bb2 bola dy gd kama ar ra

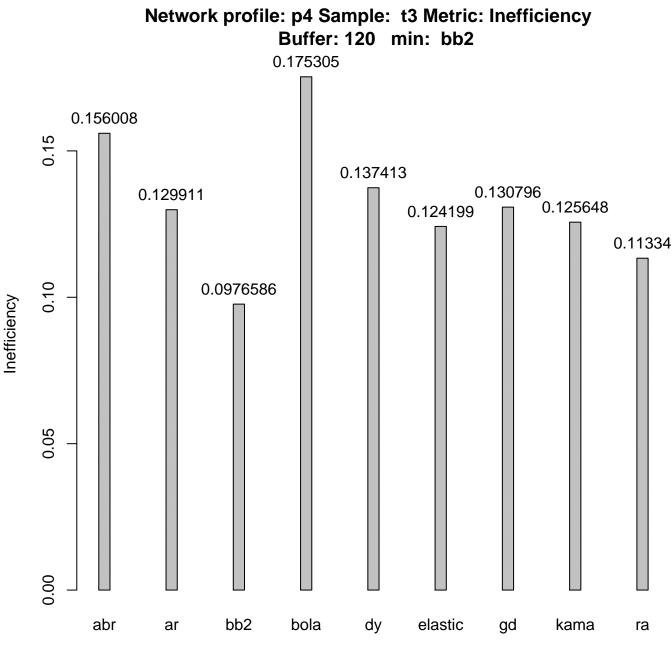
Network profile: p4 Sample: t2 Metric: Avg-Bitrate Buffer: 120 max: ar 2456.64 2393.48 2007.37 2000 1907.87 1830.85 1770.56 1762.94 1677.5 1622 1500 1000 500 bola elastic abr bb2 dy kama ar gd ra

Network profile: p4 Sample: t2 Metric: Inefficiency Buffer: 120 min: bb2 0.195112 0.182296 0.176171 0.155991 0.15 0.128366 0.129174 Inefficiency 0.102637 0.10 0.0729176 0.05 elastic abr bb2 bola dy kama ar gd ra

Network profile: p4 Sample: t2 Metric: # quality change Buffer: 120 min: bola 66 9 20 40 # Quality changes 30 20 18 10 10 6 6 6 elastic abr bb2 bola kama dy gd ar ra

Network profile: p4 Sample: t3 Metric: Avg-Bitrate
Buffer: 120 max: gd

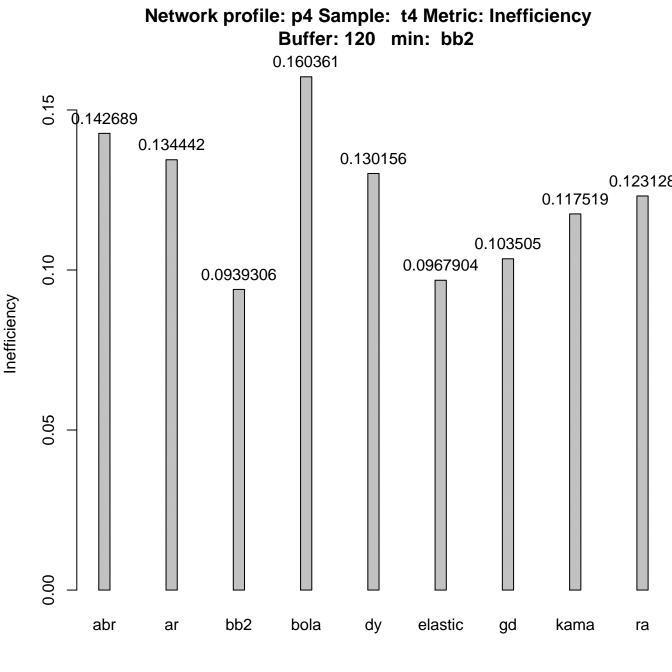


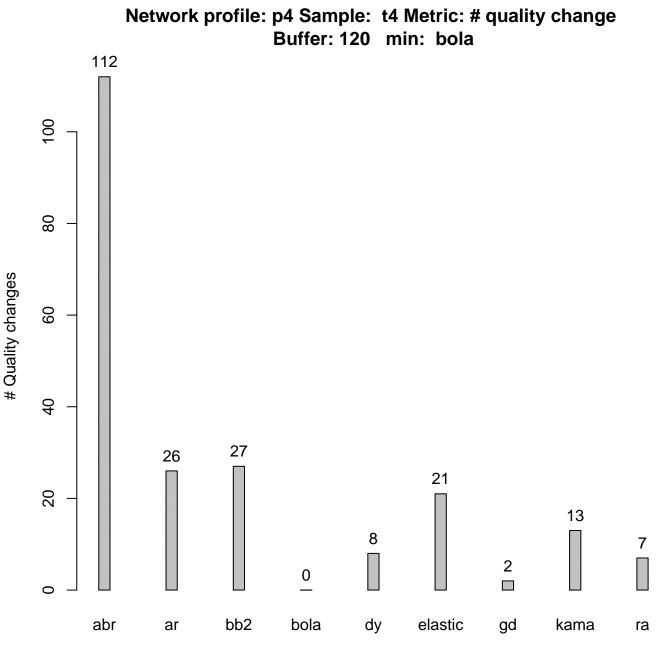


Network profile: p4 Sample: t3 Metric: # quality change Buffer: 120 min: bola 154 140 120 100 # Quality changes 80 66 61 57 9 52 43 4 24 20 11 3 abr bb2 bola elastic kama dy gd ar ra

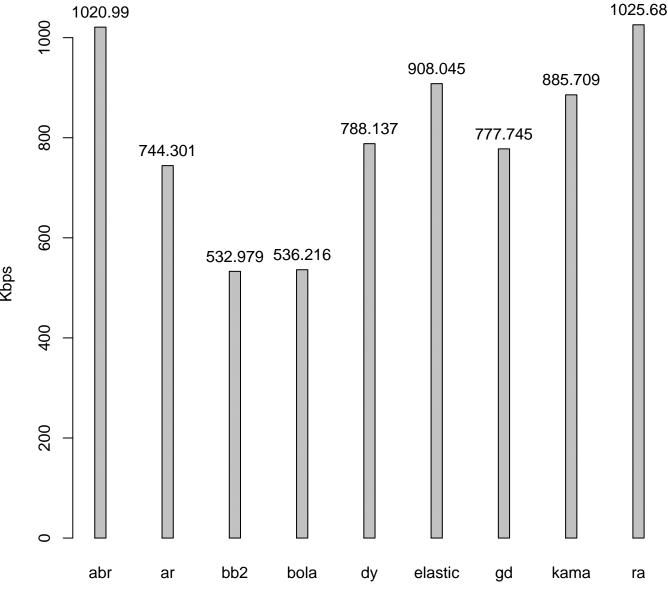
Buffer: 120 max: dy 1951.33 1815.1 1500 1461.76 1444.01 1397.33 1414.57 1339.9 1221.85 1143 500 bb2 bola elastic abr dy gd kama ar ra

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



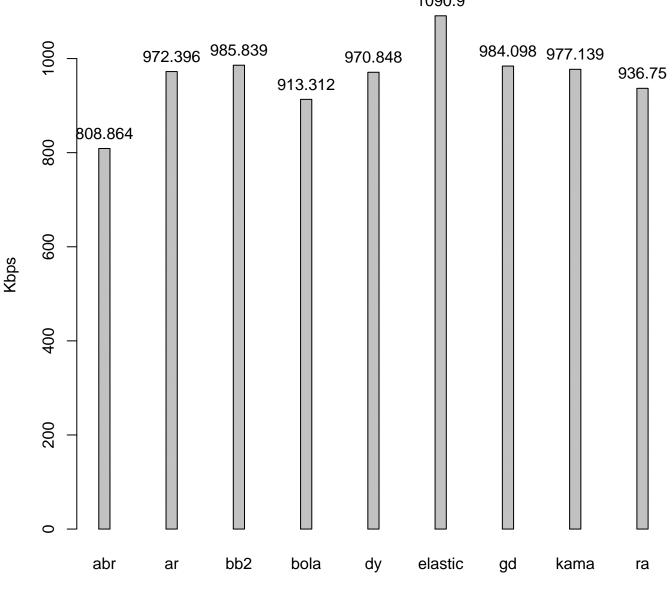


Network profile: p4 Sample: t5 Metric: Avg-Bitrate
Buffer: 120 max: ra



Network profile: p4 Sample: t5 Metric: Inefficiency Buffer: 120 min: elastic 0.436074 0.416687 0.4 0.35742 **0.338769** 0.337586 0.311137 0.300281 0.29531 0.271009 Inefficiency elastic abr bb2 bola dy kama ar gd ra

Network profile: p4 Sample: t5 Metric: # quality change Buffer: 120 min: bb2 102 80 # Quality changes 9 4 30 20 16 11 10 8 8 6 5 abr bb2 bola elastic kama dy gd ar ra Network profile: p4 Sample: t6 Metric: Avg-Bitrate
Buffer: 120 max: elastic
1090.9



**Network profile: p4 Sample: t6 Metric: Inefficiency** Buffer: 120 min: ra 0.355408 0.335271 0.30 0.276788<sub>0.274499</sub>0.280182 0.269793 0.257797 0.25 0.242033 0.234503 0.20 Inefficiency 0.15 0.10 0.05

abr

bb2

ar

bola

dy

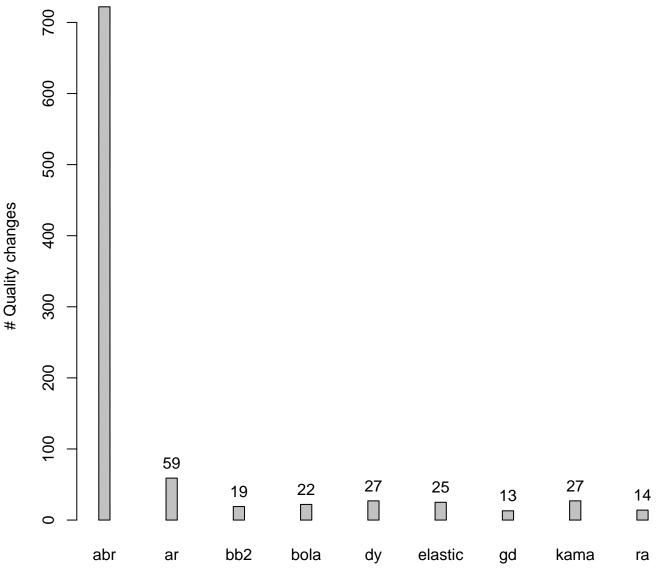
elastic

gd

kama

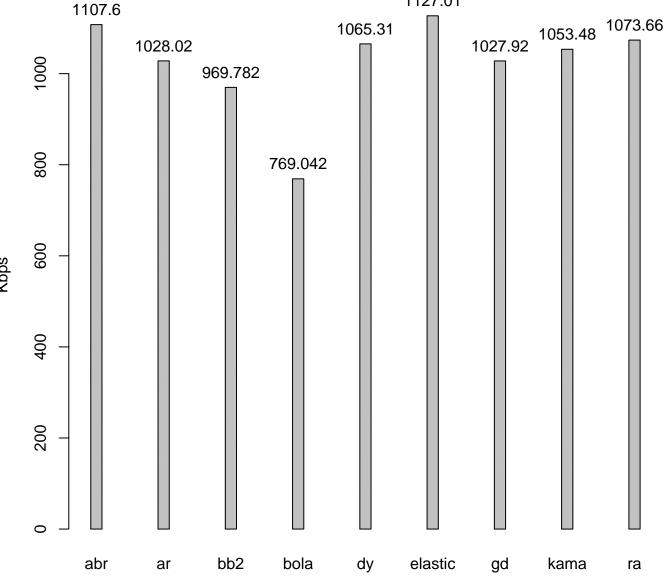
ra

Network profile: p4 Sample: t6 Metric: # quality change Buffer: 120 min: gd



Network profile: p4 Sample: t7 Metric: Avg-Bitrate
Buffer: 120 max: elastic

1127.01



Network profile: p4 Sample: t7 Metric: Inefficiency Buffer: 120 min: elastic

