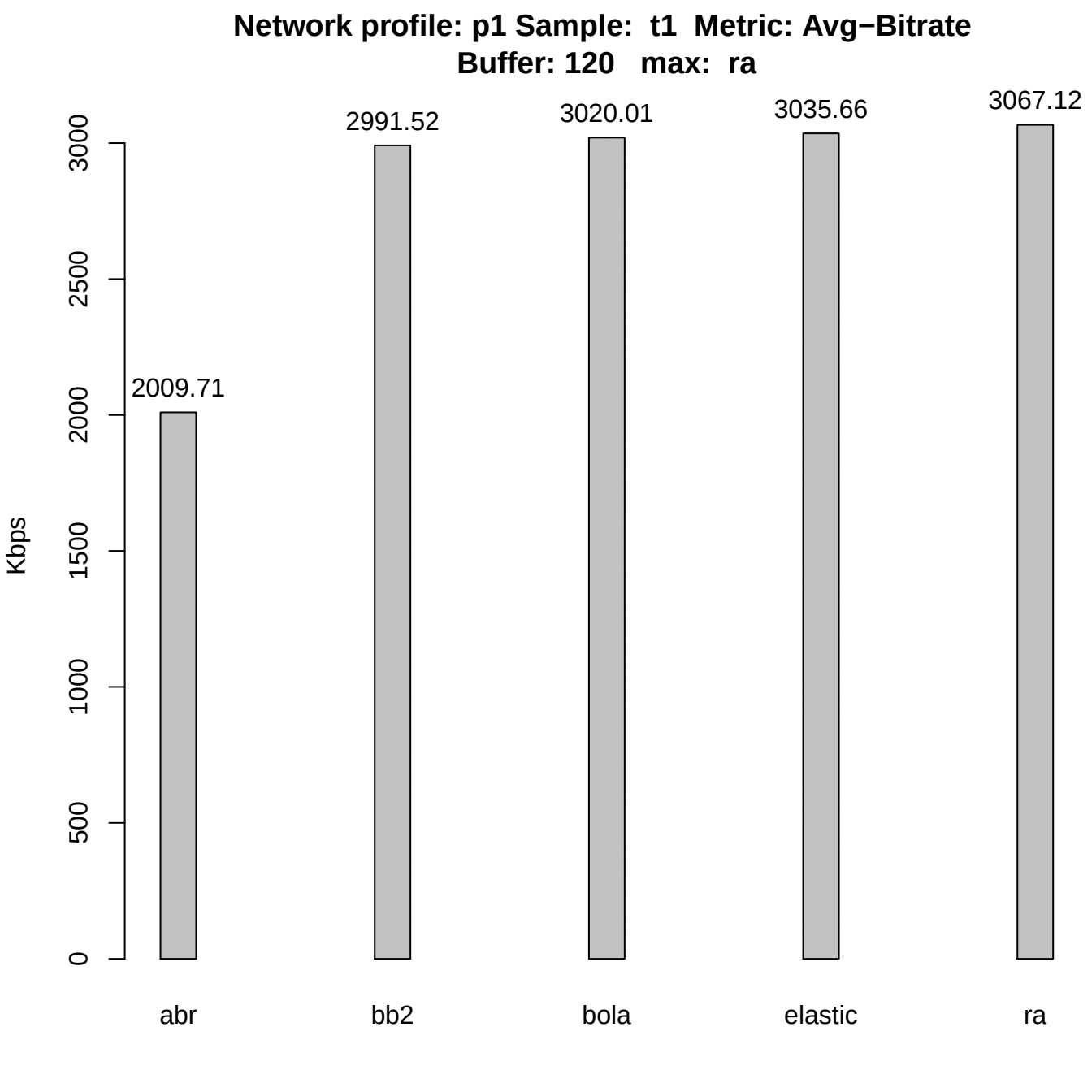
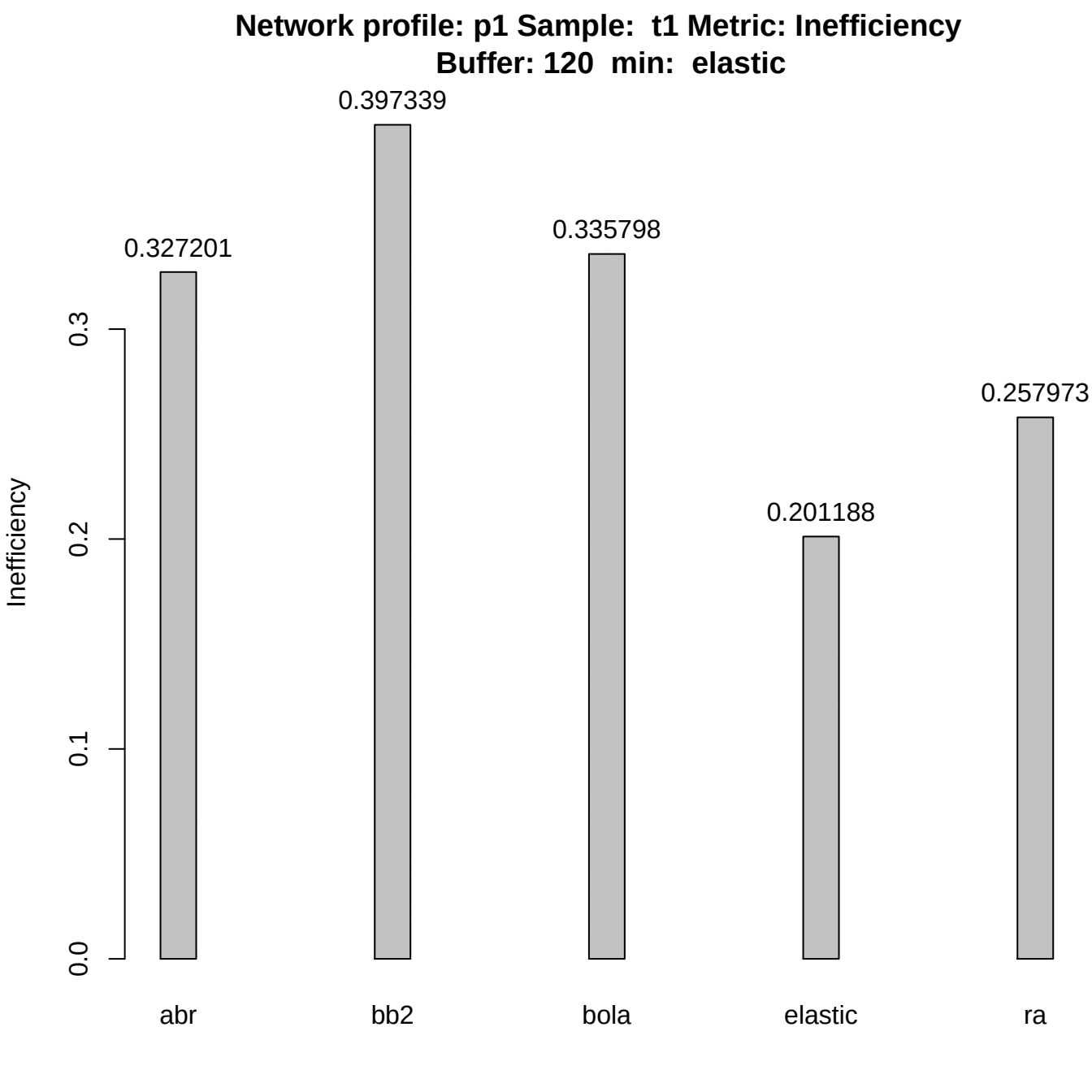
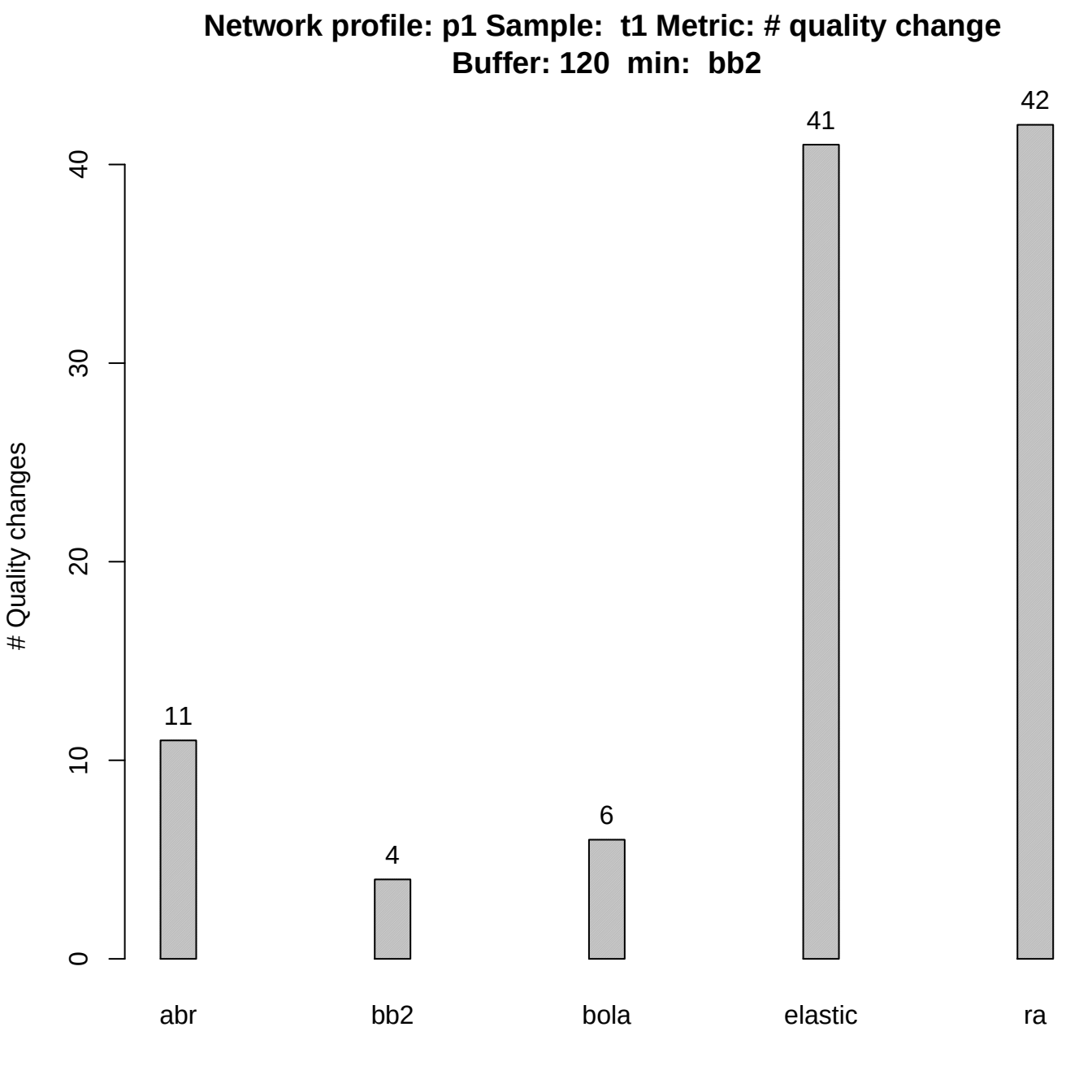
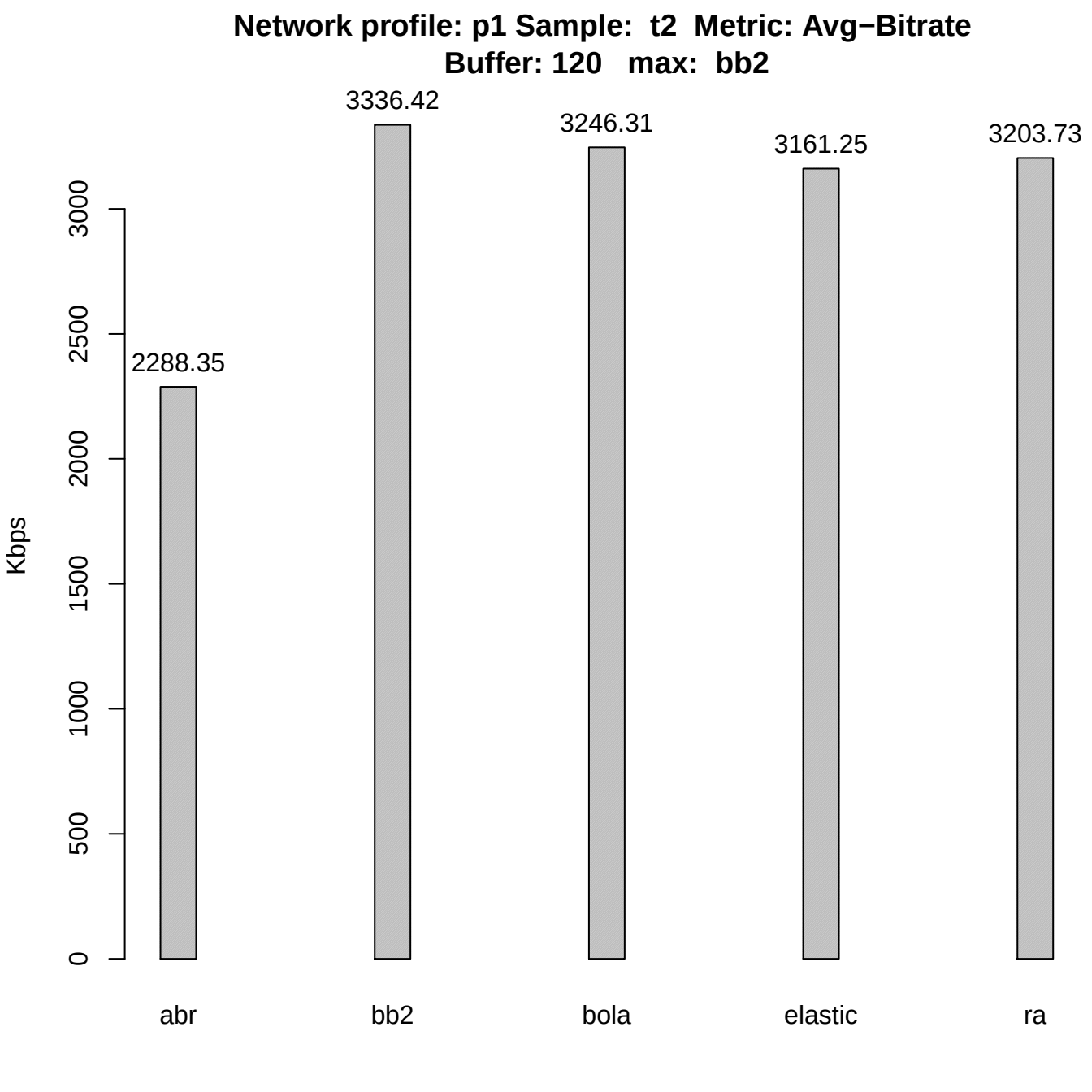
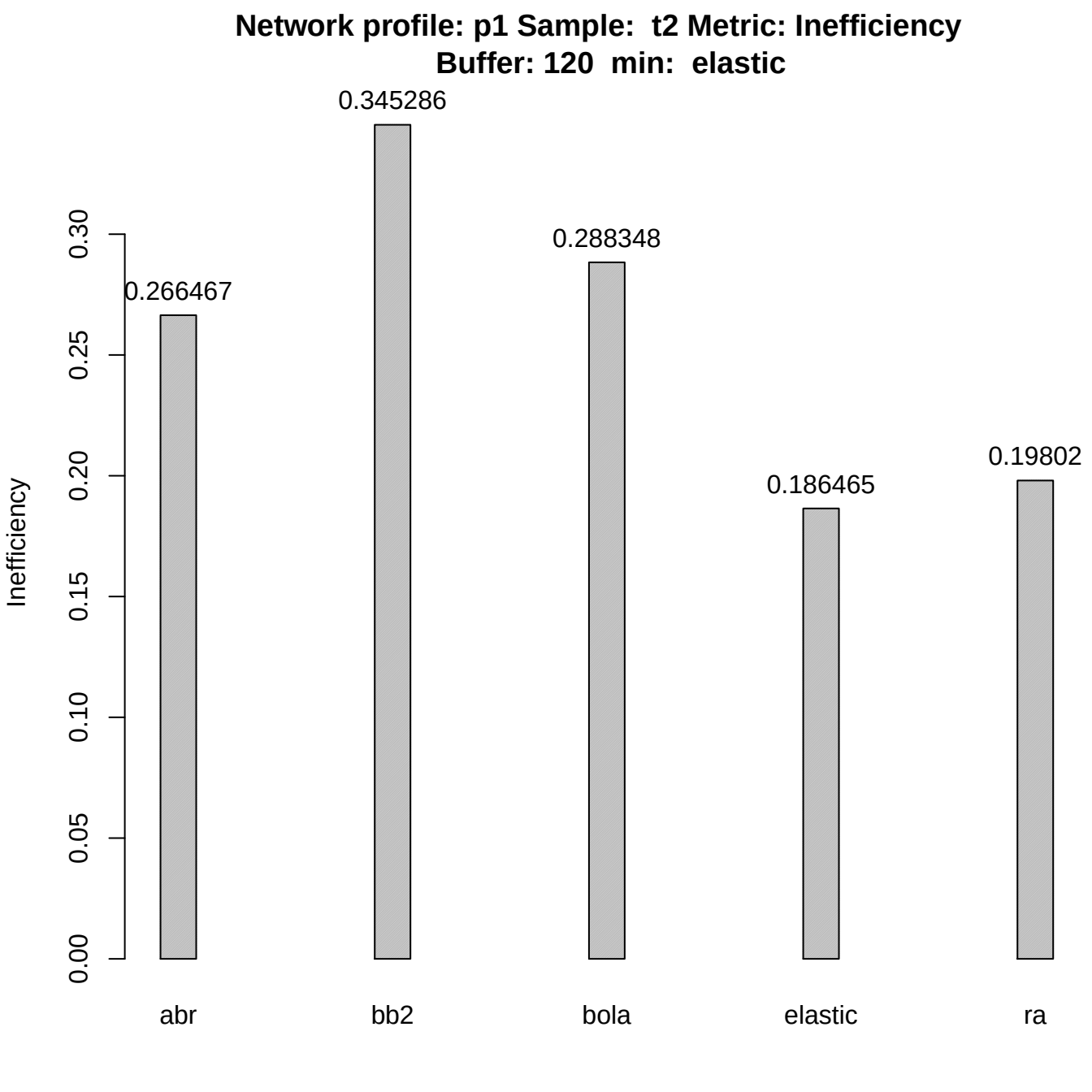
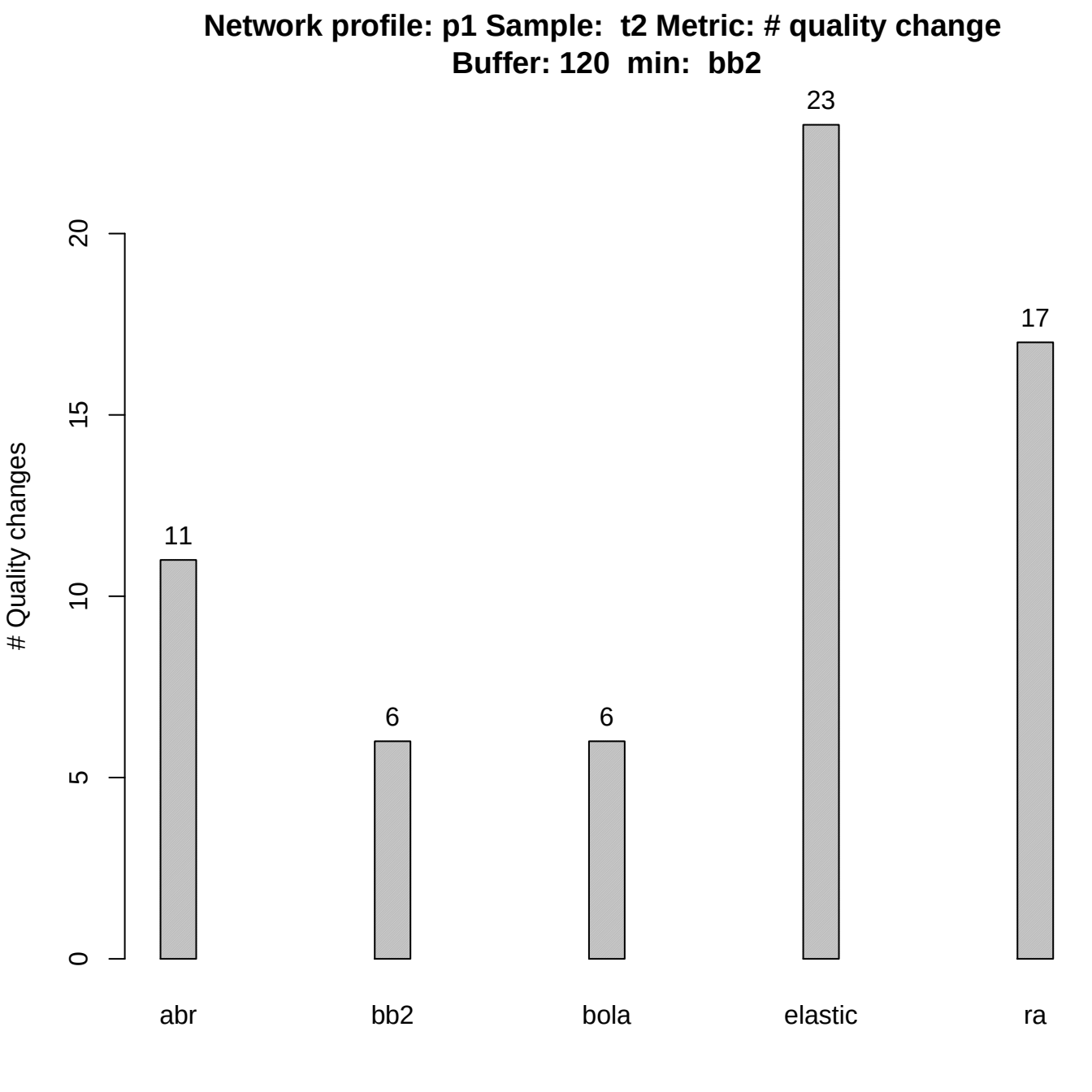

Network profile: p1 Sample: t1 Metric: Avg−Bitrate
Buffer: 120 max: ra
Kbps
0
500
1000
1500
2000
2500
3000
2009.71
2991.52
3020.01
3035.66
3067.12
abr
bb2
bola
elastic
ra

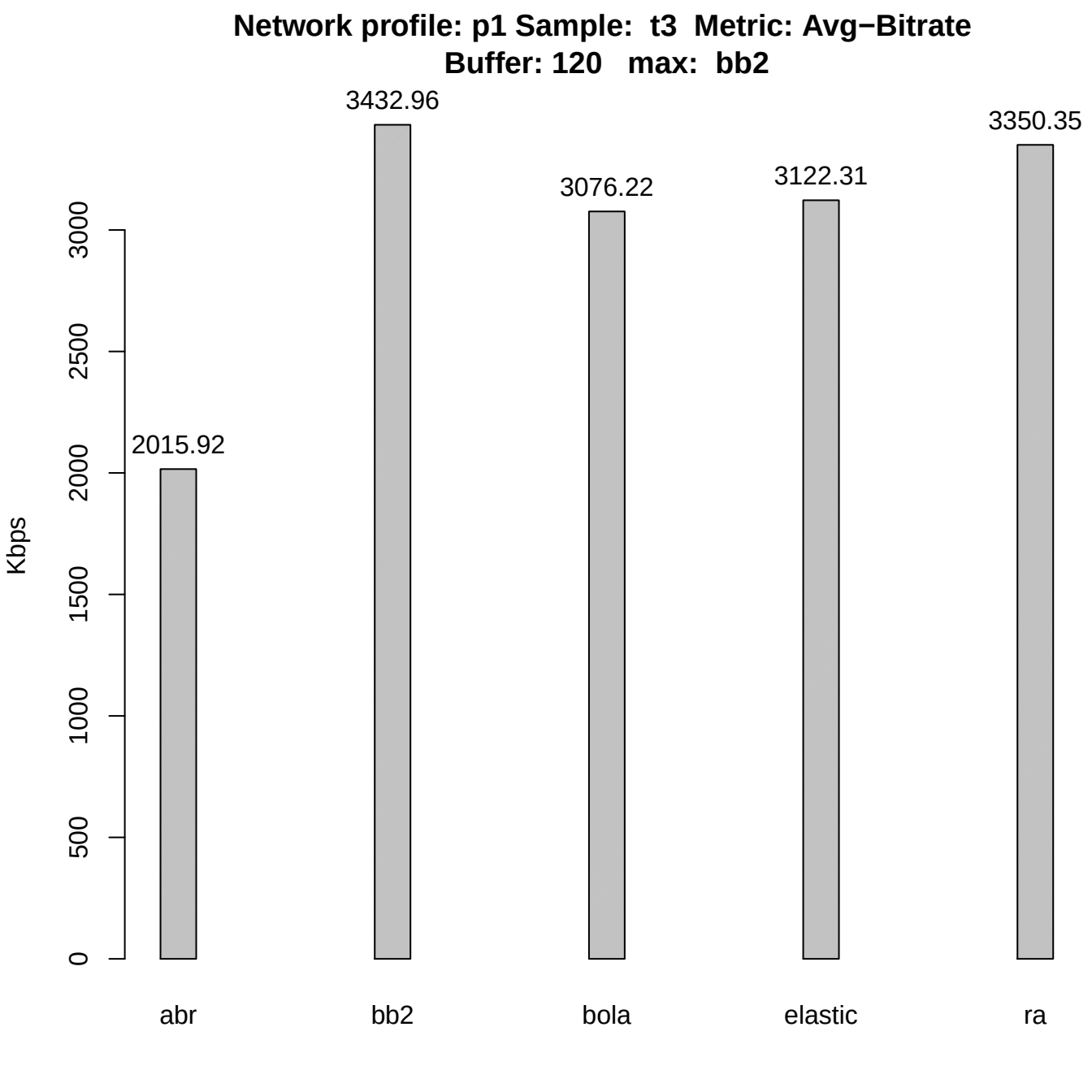

Network profile: p1 Sample: t1 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.327201
0.397339
0.335798
0.201188
0.257973
abr
bb2
bola
elastic
ra

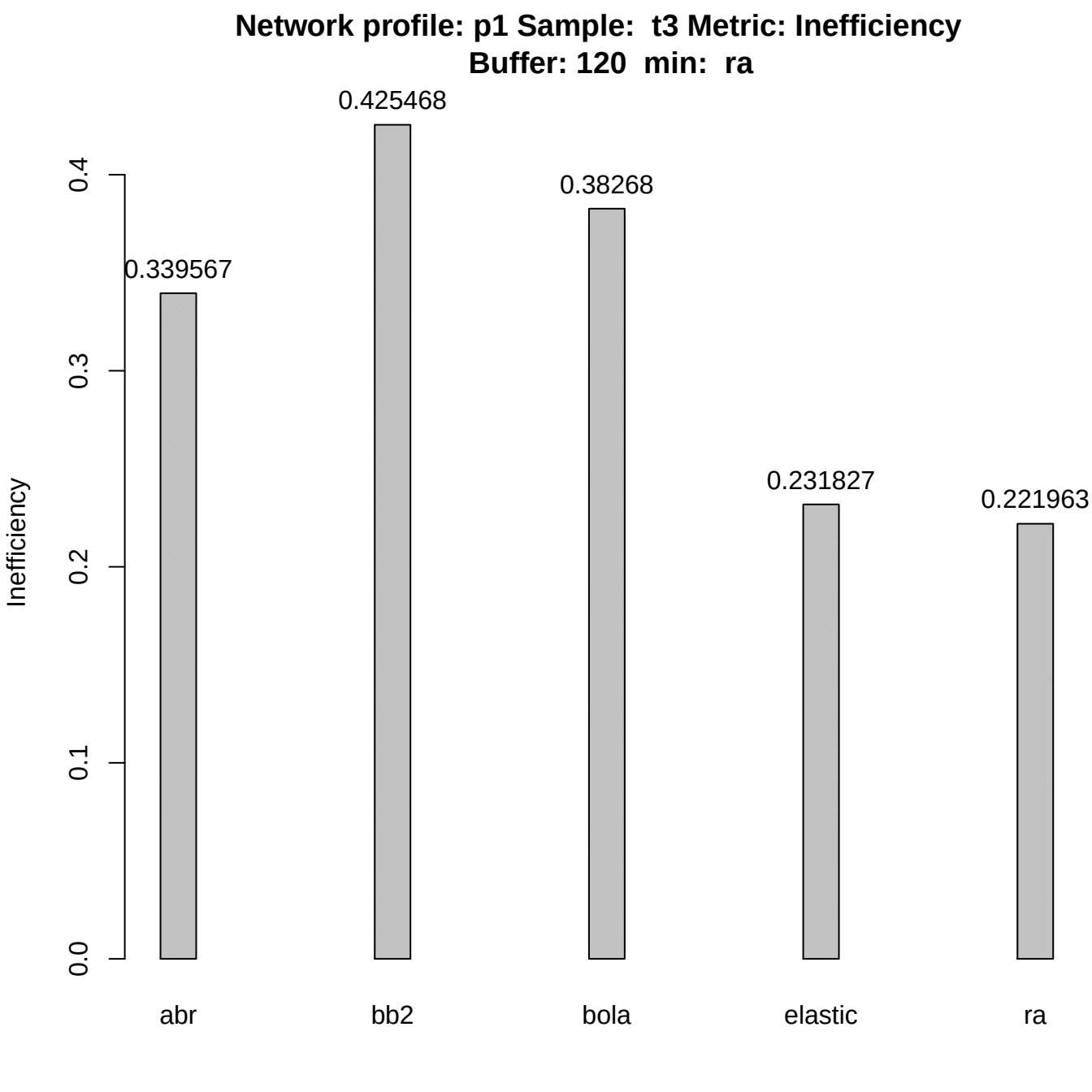

Network profile: p1 Sample: t1 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
10
20
30
40
11
4
6
41
42
abr
bb2
bola
elastic
ra

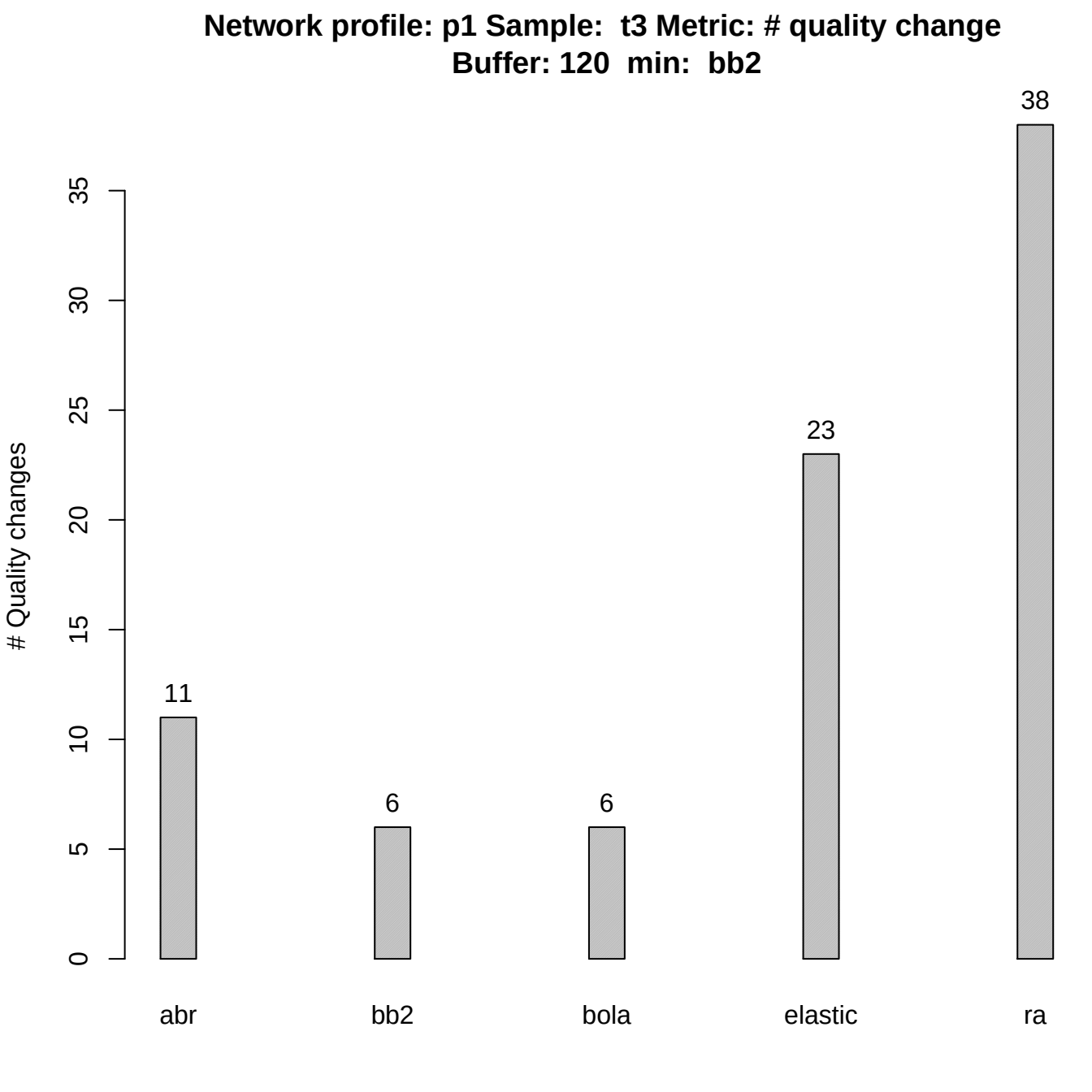

Network profile: p1 Sample: t2 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
3000
2288.35
3336.42
3246.31
3161.25
3203.73
abr
bb2
bola
elastic
ra

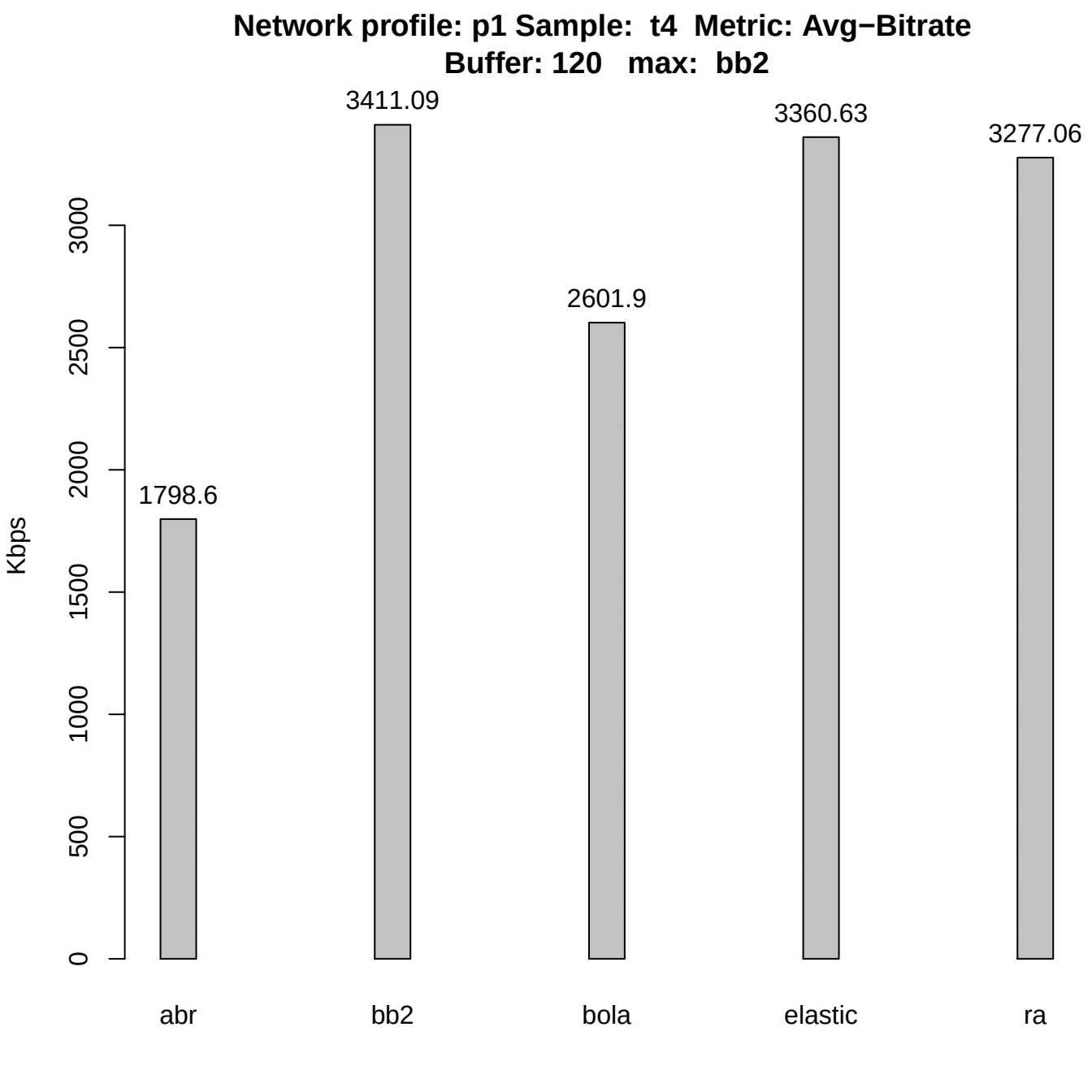

Network profile: p1 Sample: t2 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.266467
0.345286
0.288348
0.186465
0.19802
abr
bb2
bola
elastic
ra

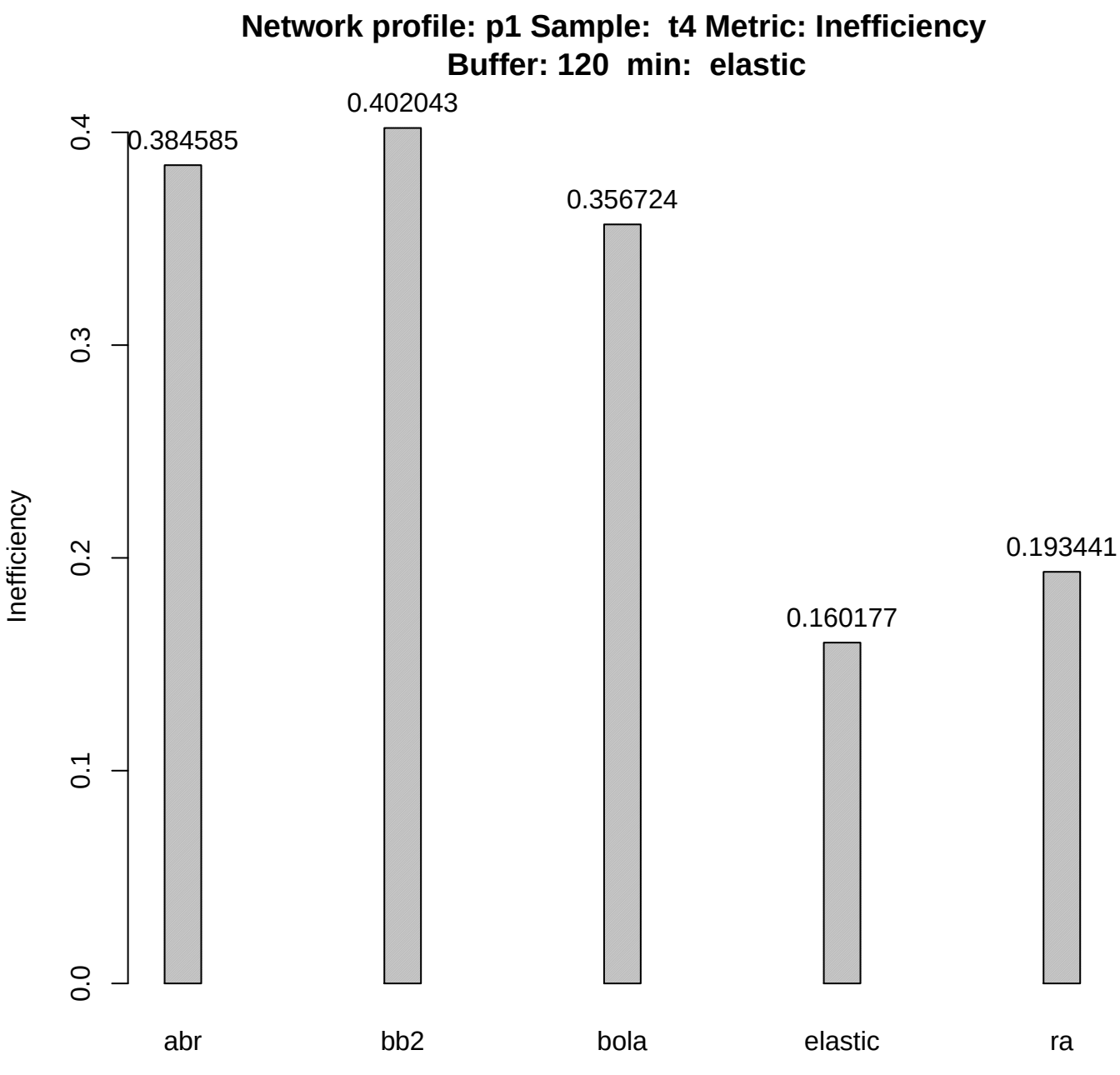

Network profile: p1 Sample: t2 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
5
10
15
20
11
6
6
23
17
abr
bb2
bola
elastic
ra

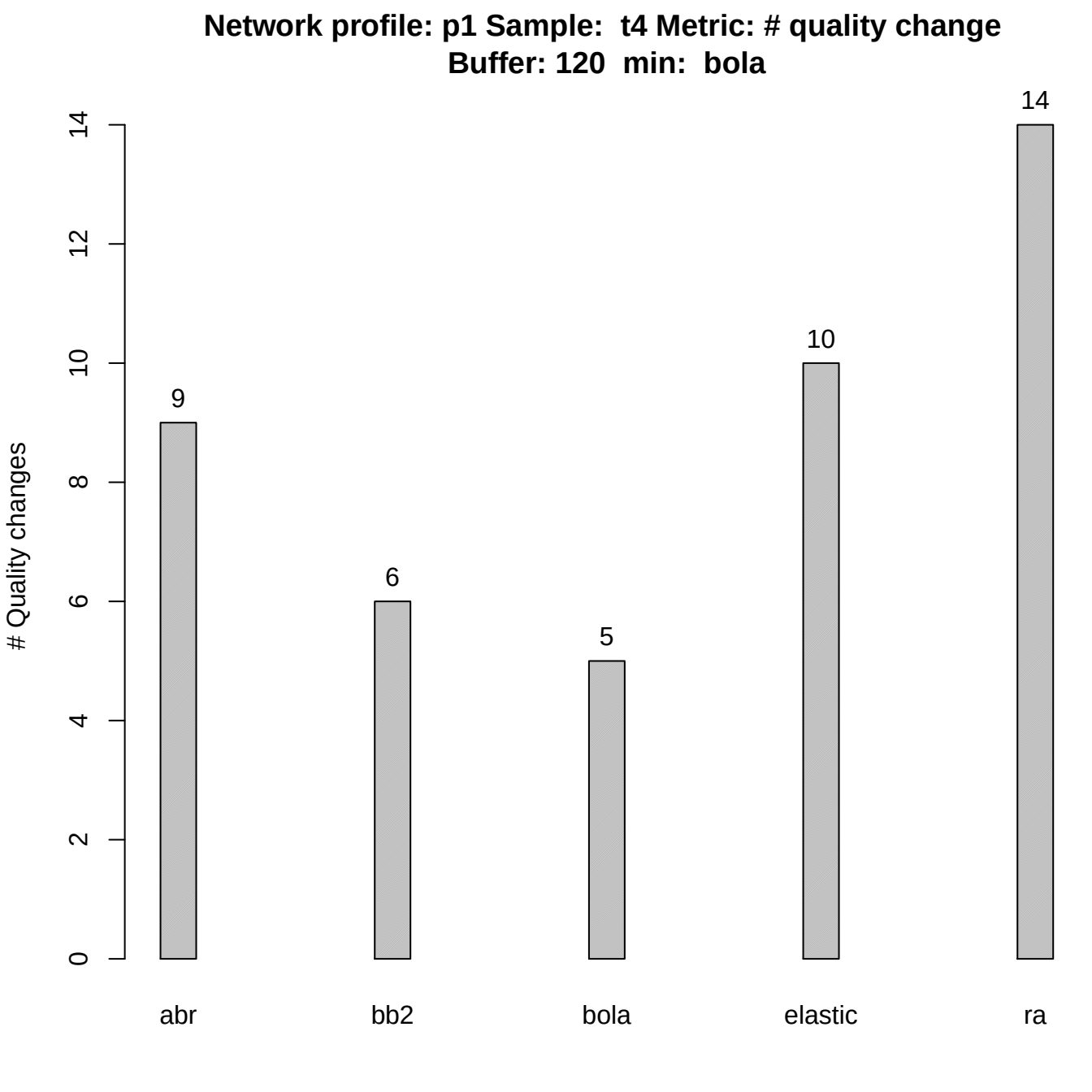

Network profile: p1 Sample: t3 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
3000
2015.92
3432.96
3076.22
3122.31
3350.35
abr
bb2
bola
elastic
ra

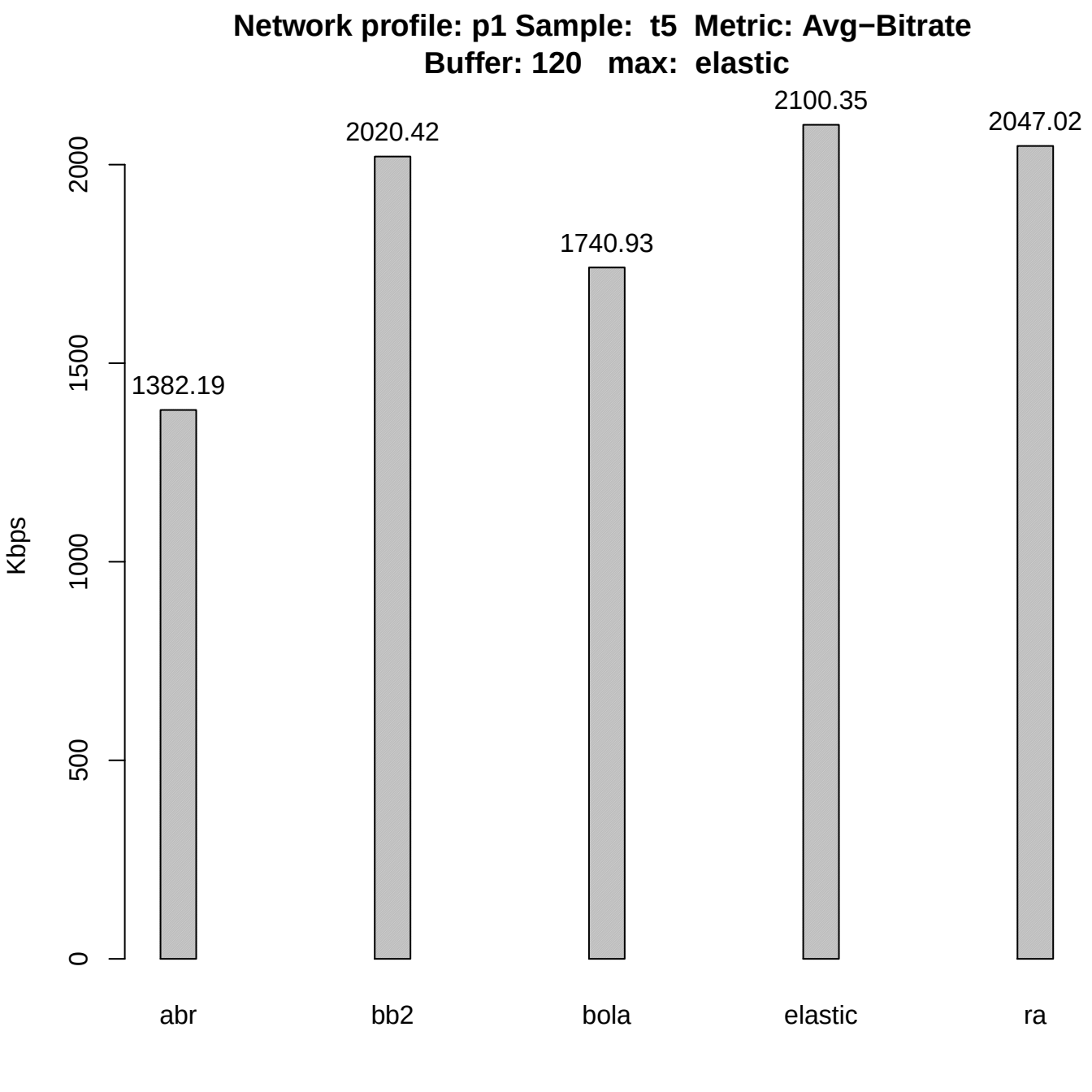

Network profile: p1 Sample: t3 Metric: Inefficiency
Buffer: 120 min: ra
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.339567
0.425468
0.38268
0.231827
0.221963
abr
bb2
bola
elastic
ra

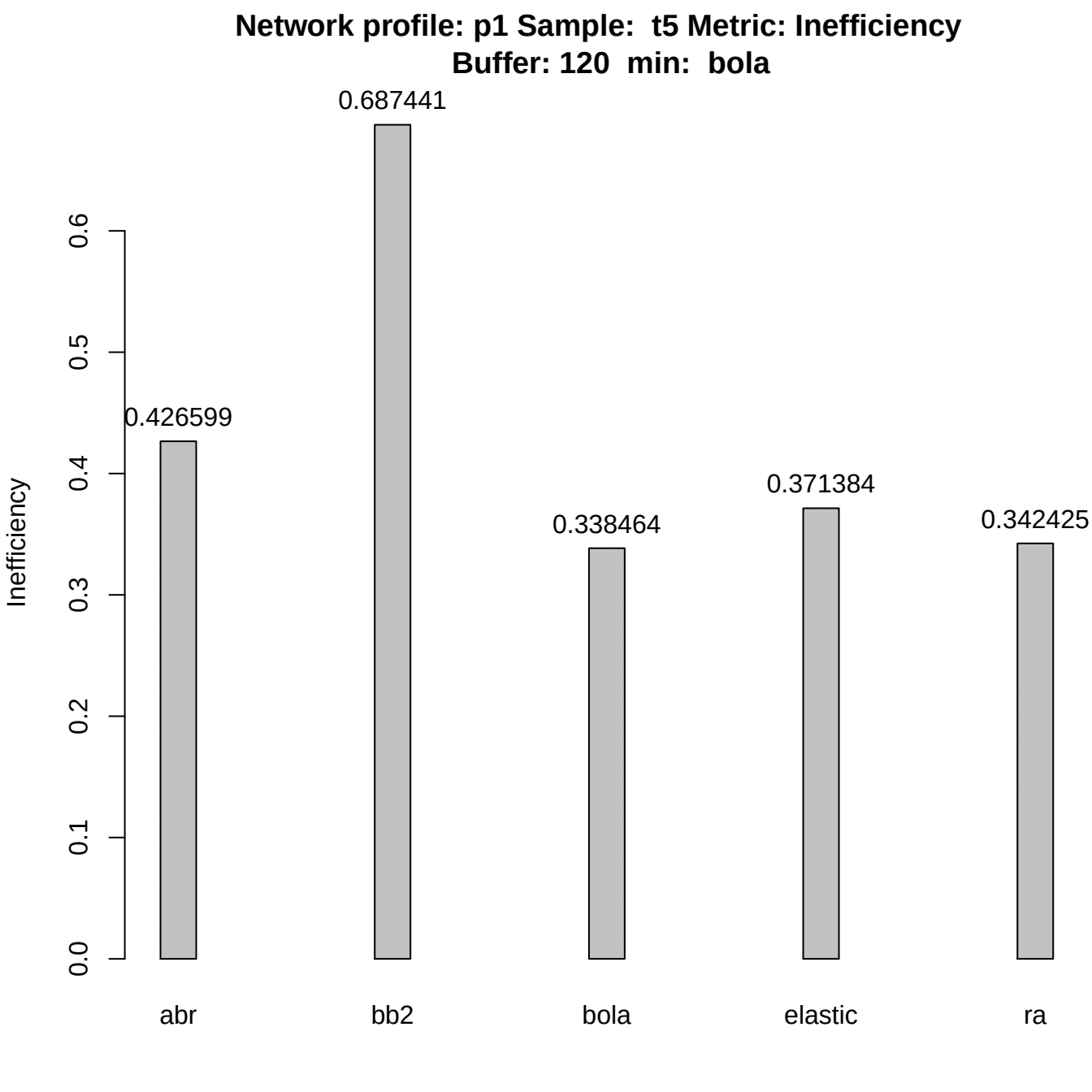

Network profile: p1 Sample: t3 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
5
10
15
20
25
30
35
11
6
6
23
38
abr
bb2
bola
elastic
ra

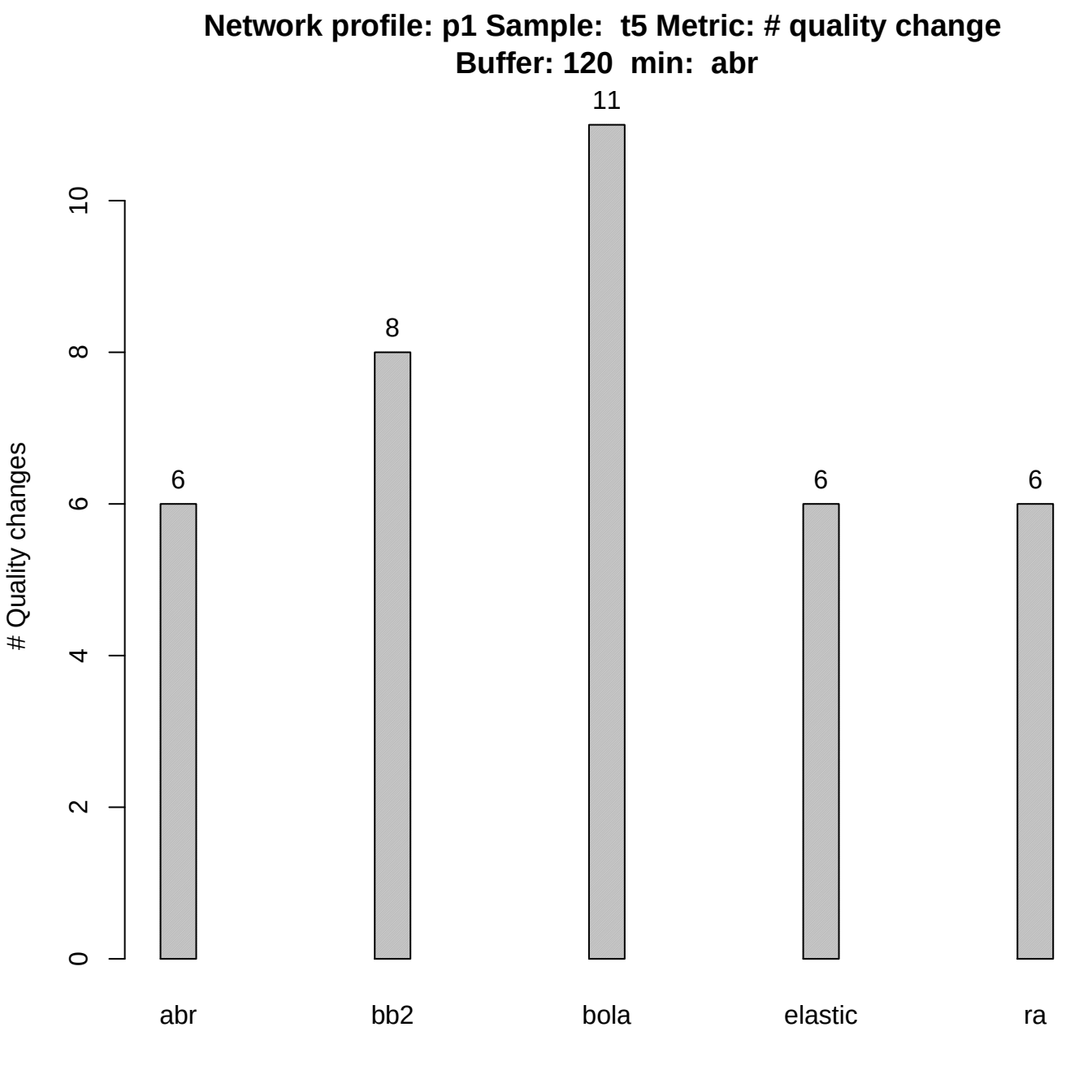

Network profile: p1 Sample: t4 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
3000
1798.6
3411.09
2601.9
3360.63
3277.06
abr
bb2
bola
elastic
ra

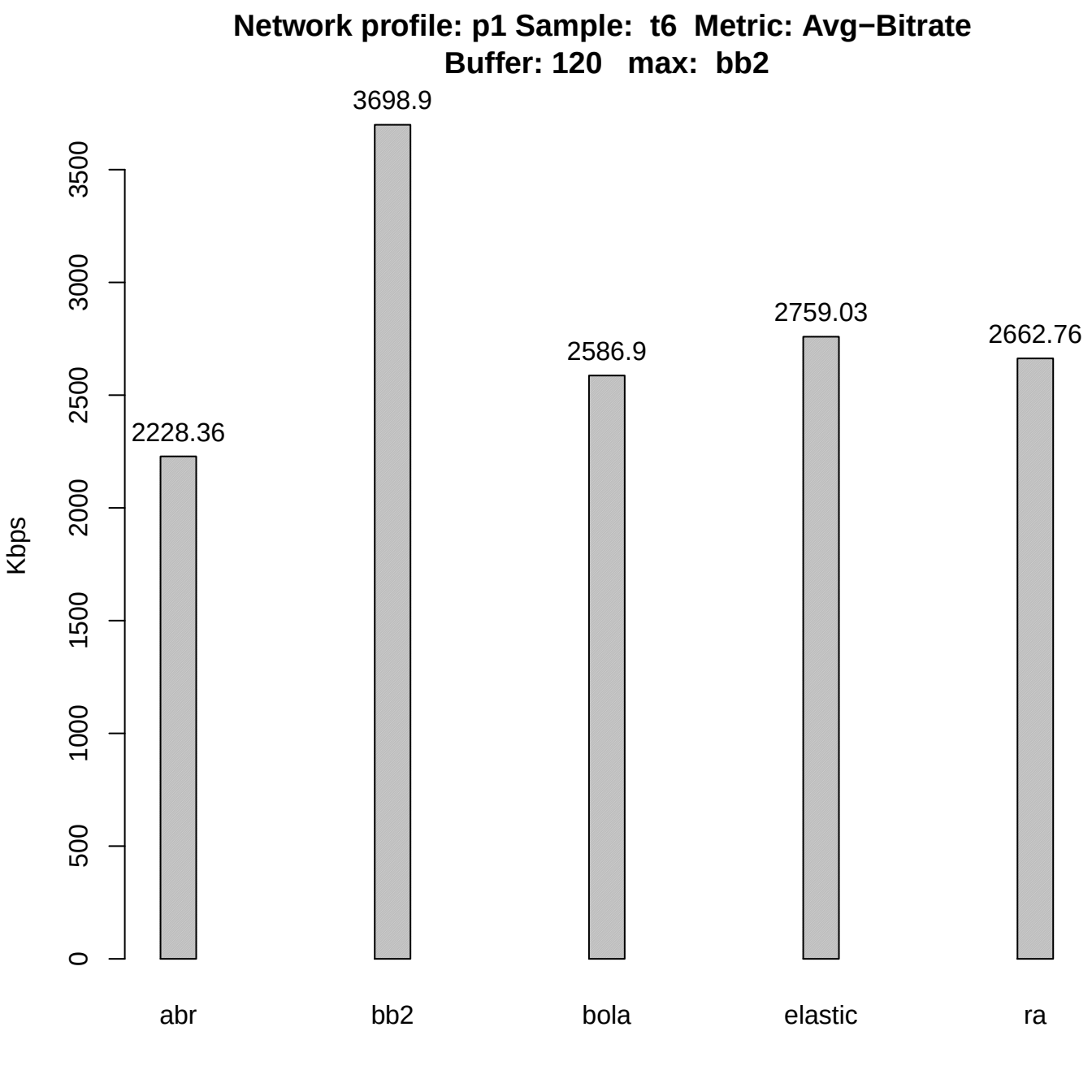

Network profile: p1 Sample: t4 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.384585
0.402043
0.356724
0.160177
0.193441
abr
bb2
bola
elastic
ra

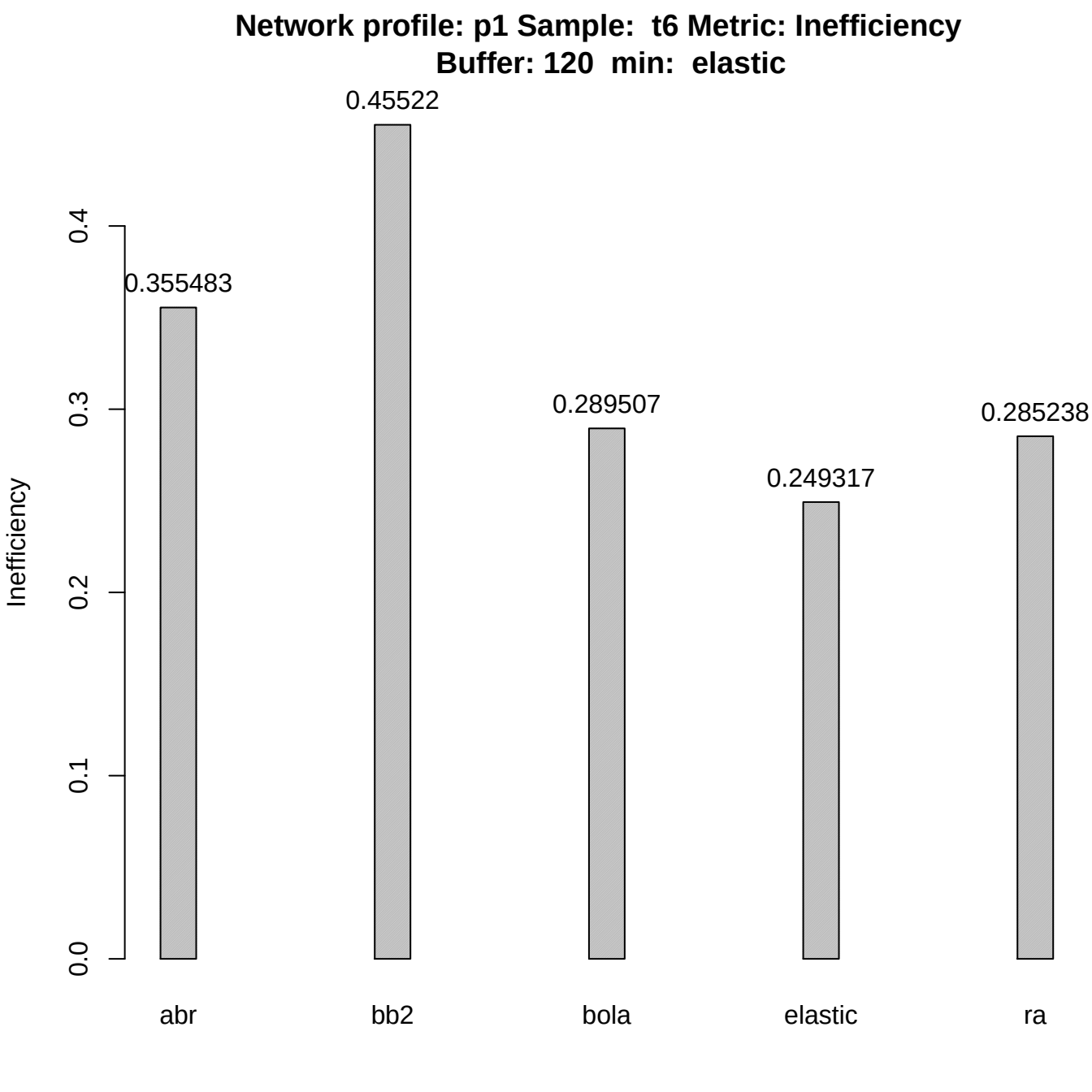

Network profile: p1 Sample: t4 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
2
4
6
8
10
12
14
9
6
5
10
14
abr
bb2
bola
elastic
ra

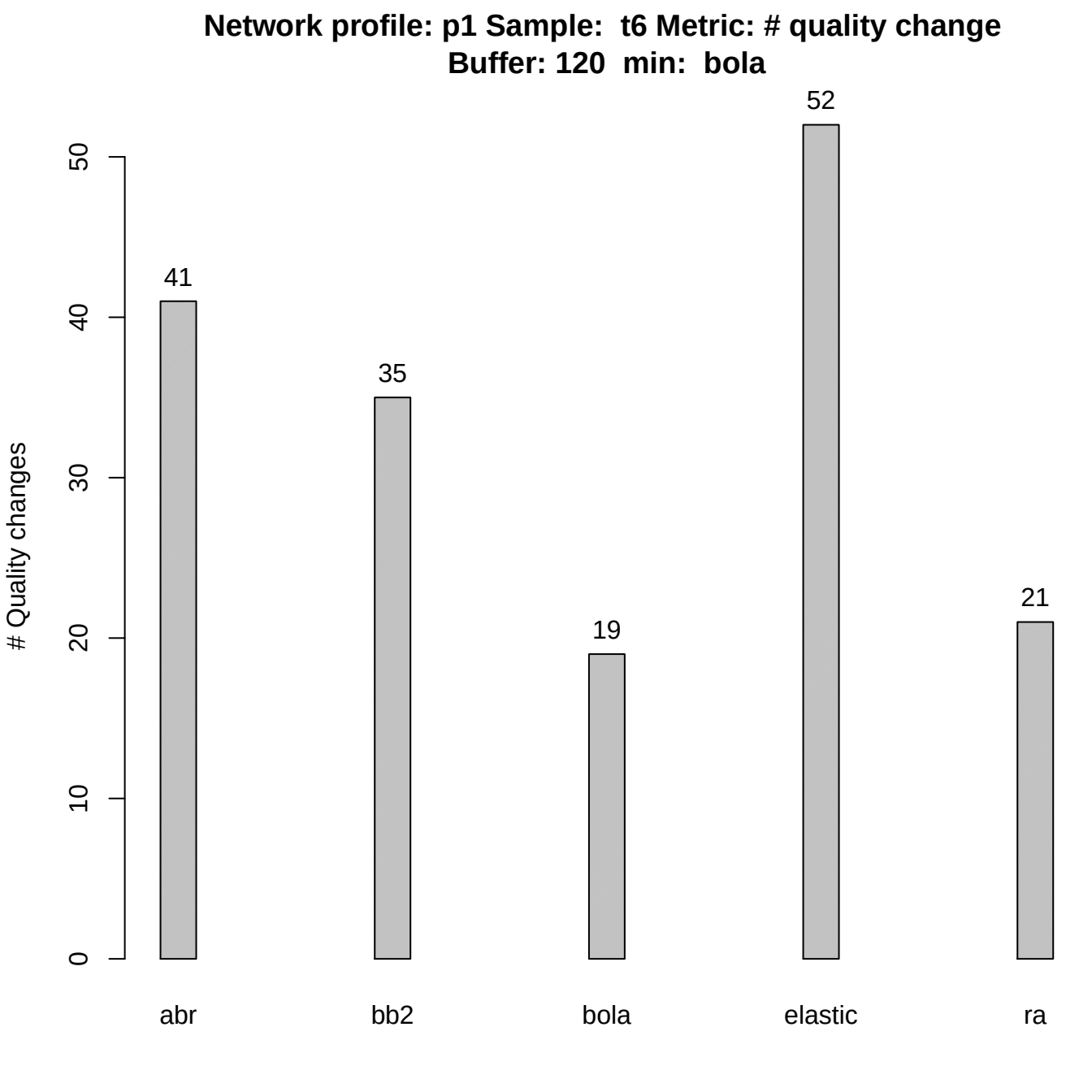

Network profile: p1 Sample: t5 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
1382.19
2020.42
1740.93
2100.35
2047.02
abr
bb2
bola
elastic
ra

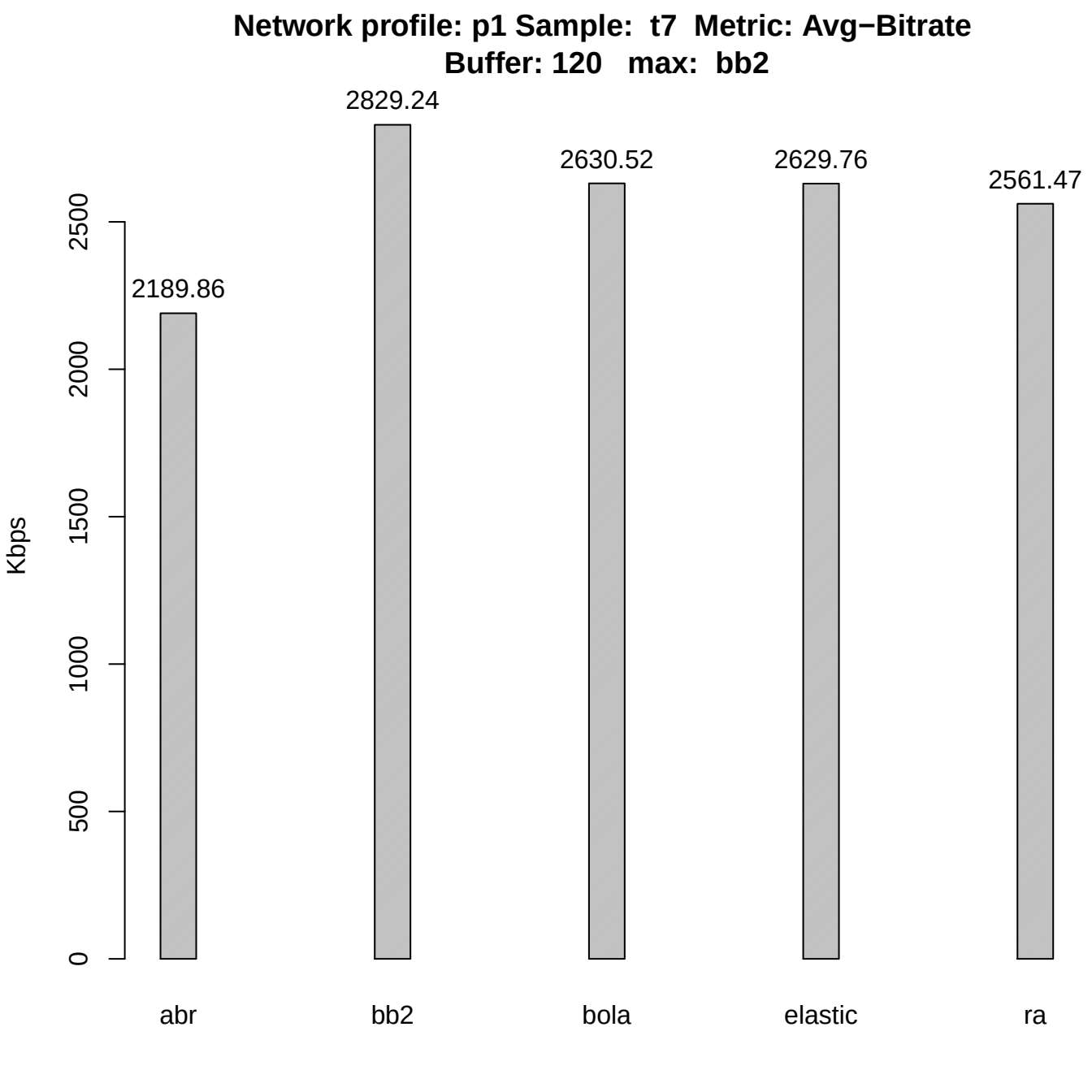

Network profile: p1 Sample: t5 Metric: Inefficiency
Buffer: 120 min: bola
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.426599
0.687441
0.338464
0.371384
0.342425
abr
bb2
bola
elastic
ra

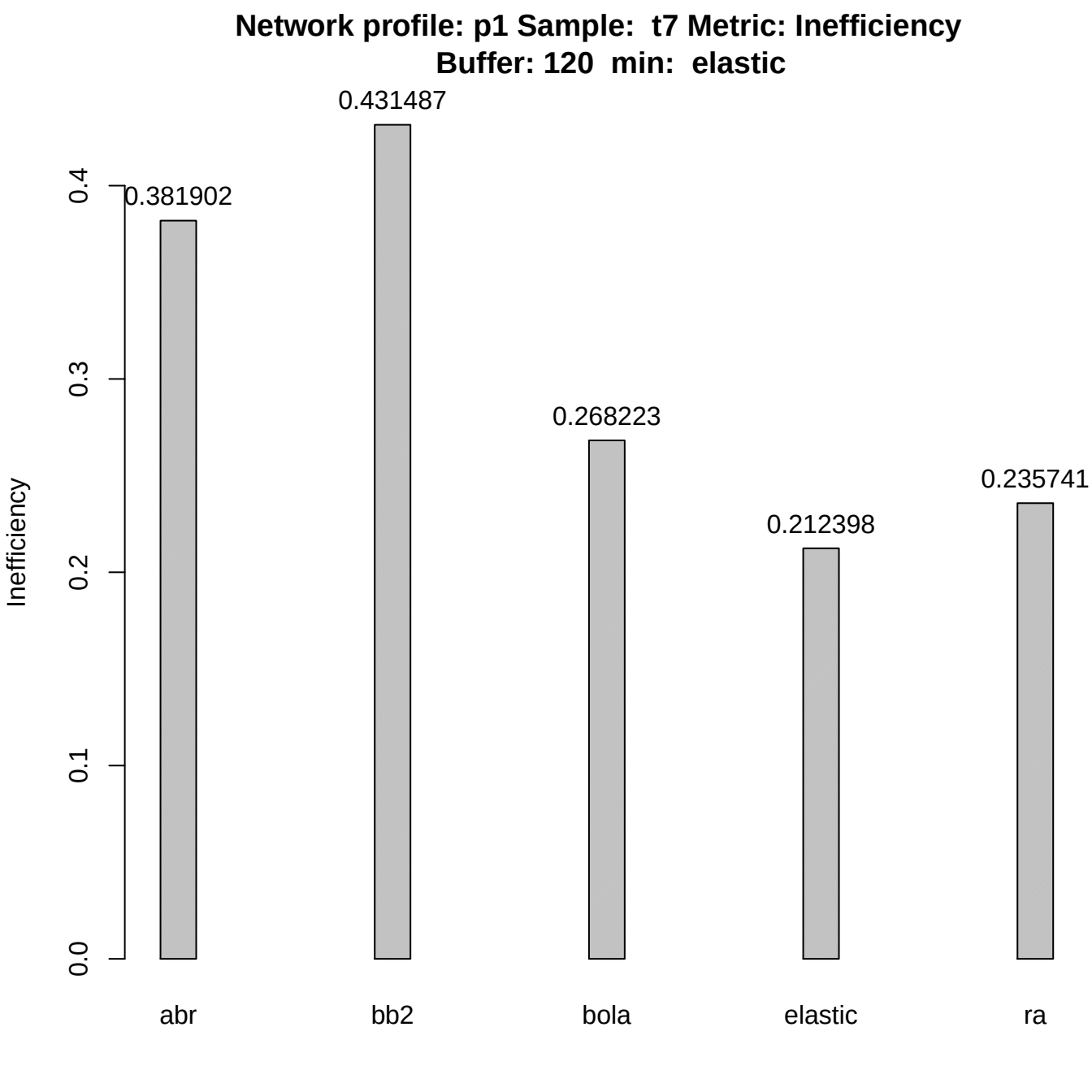

Network profile: p1 Sample: t5 Metric: # quality change
Buffer: 120 min: abr
Quality changes
0
2
4
6
8
10
6
8
11
6
6
abr
bb2
bola
elastic
ra

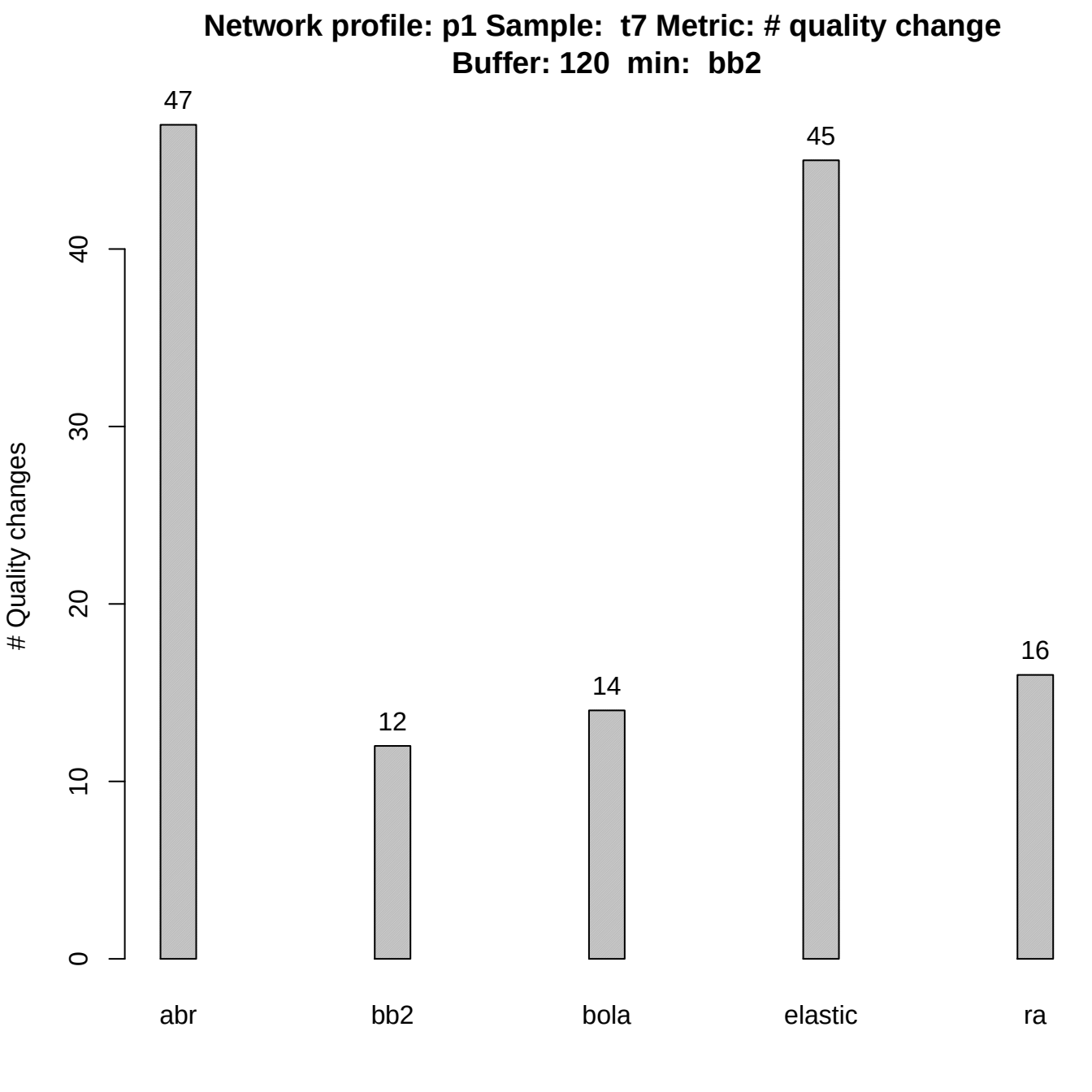

Network profile: p1 Sample: t6 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
3000
3500
2228.36
3698.9
2586.9
2759.03
2662.76
abr
bb2
bola
elastic
ra

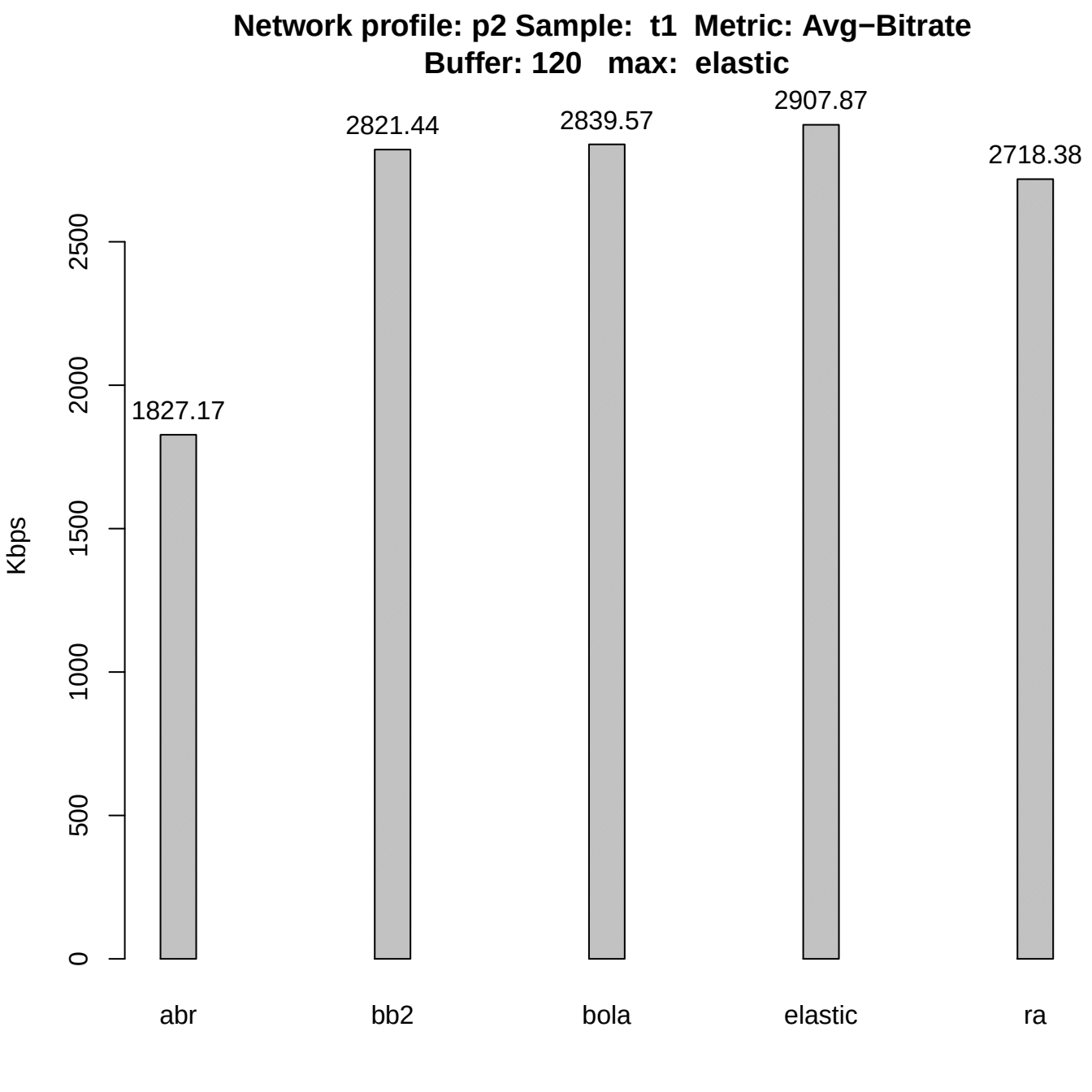

Network profile: p1 Sample: t6 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.355483
0.45522
0.289507
0.249317
0.285238
abr
bb2
bola
elastic
ra

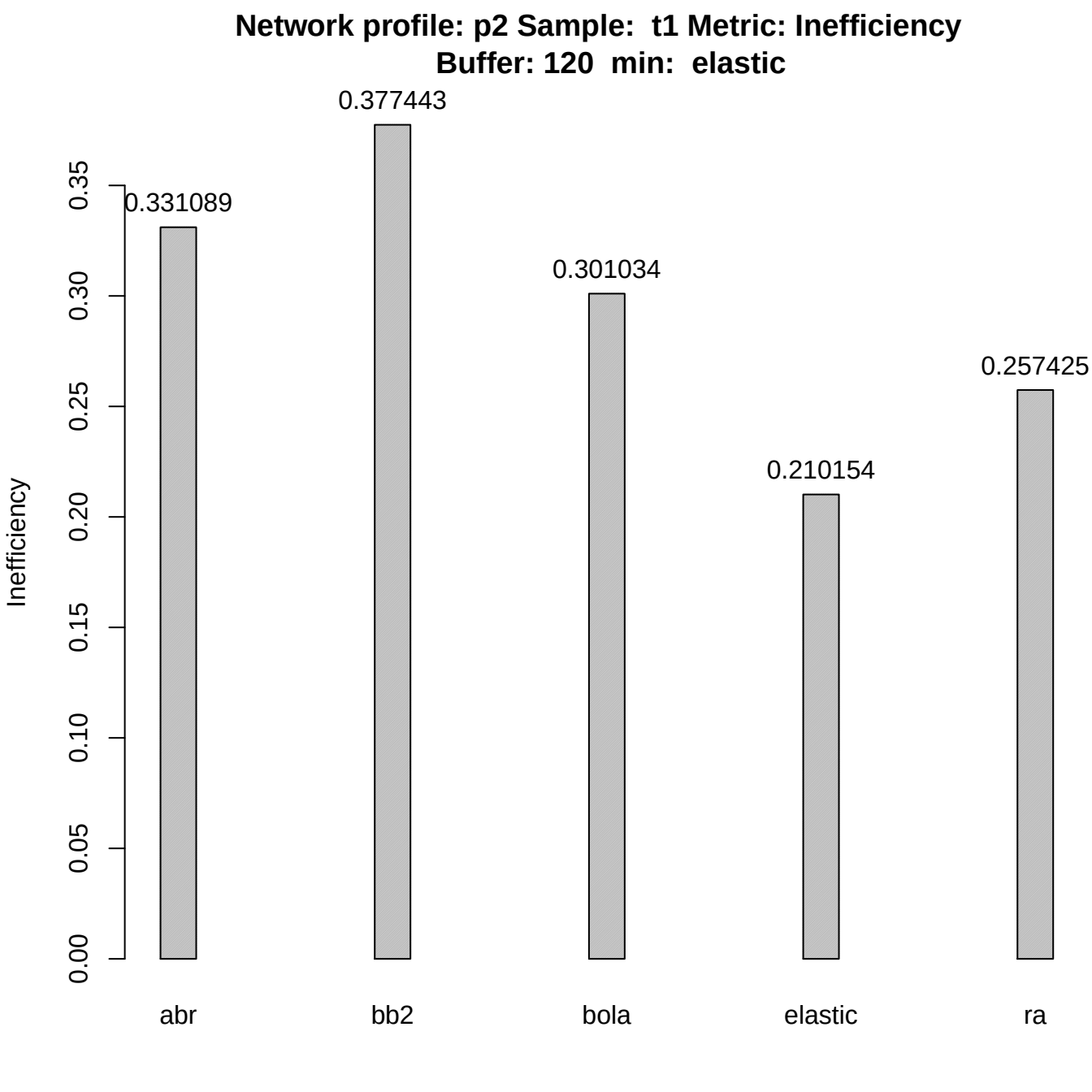

Network profile: p1 Sample: t6 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
41
35
19
52
21
abr
bb2
bola
elastic
ra

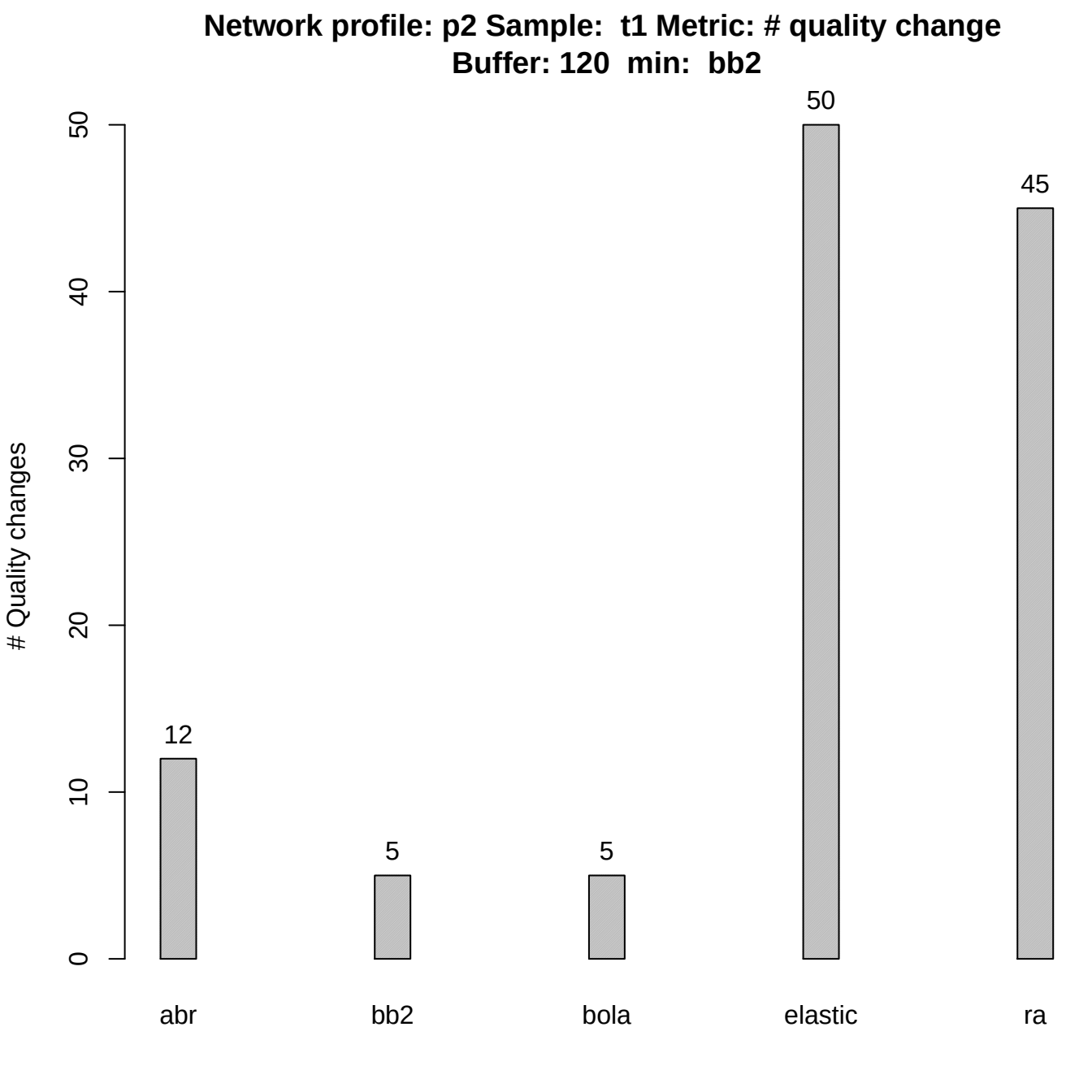

Network profile: p1 Sample: t7 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
2189.86
2829.24
2630.52
2629.76
2561.47
abr
bb2
bola
elastic
ra

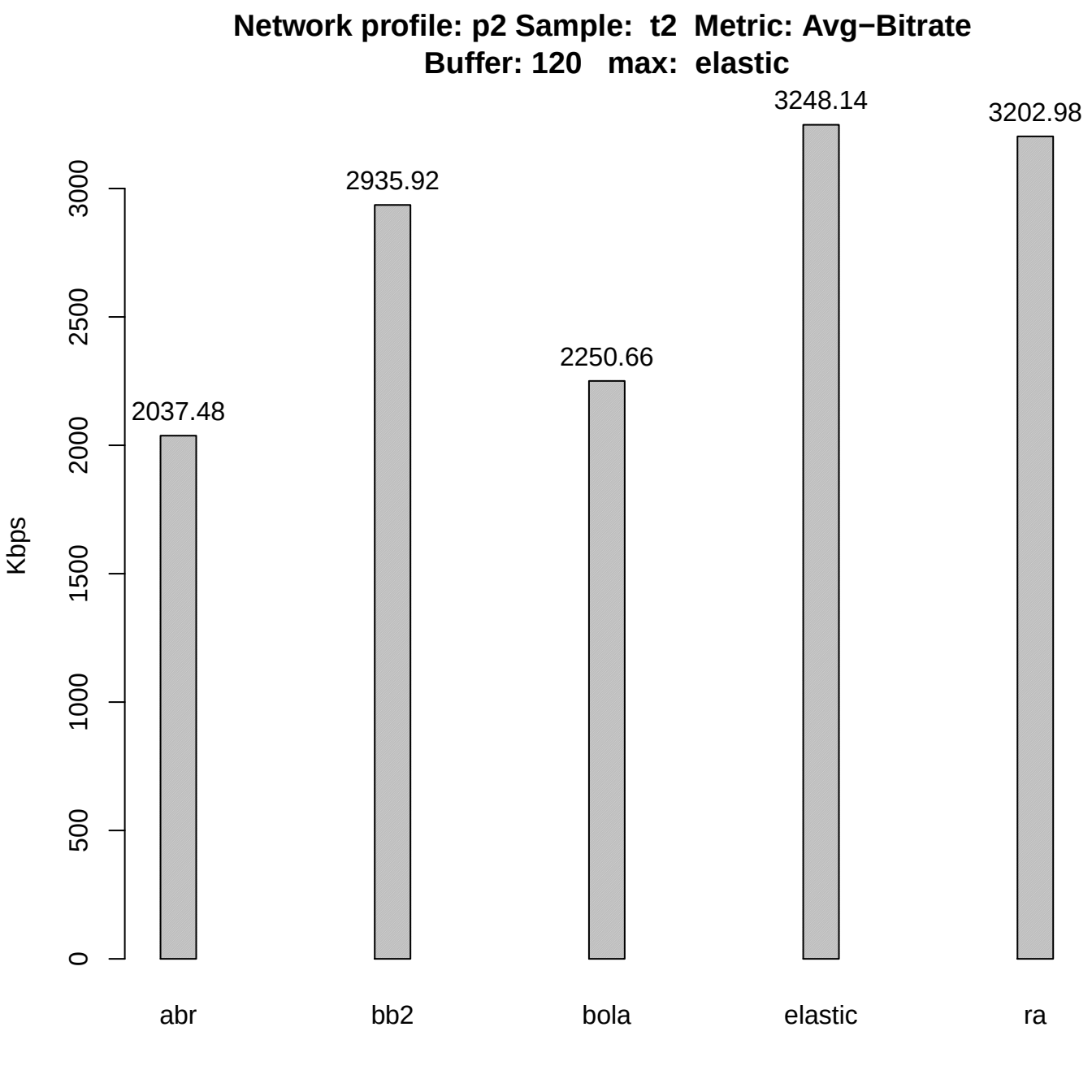

Network profile: p1 Sample: t7 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.381902
0.431487
0.268223
0.212398
0.235741
abr
bb2
bola
elastic
ra

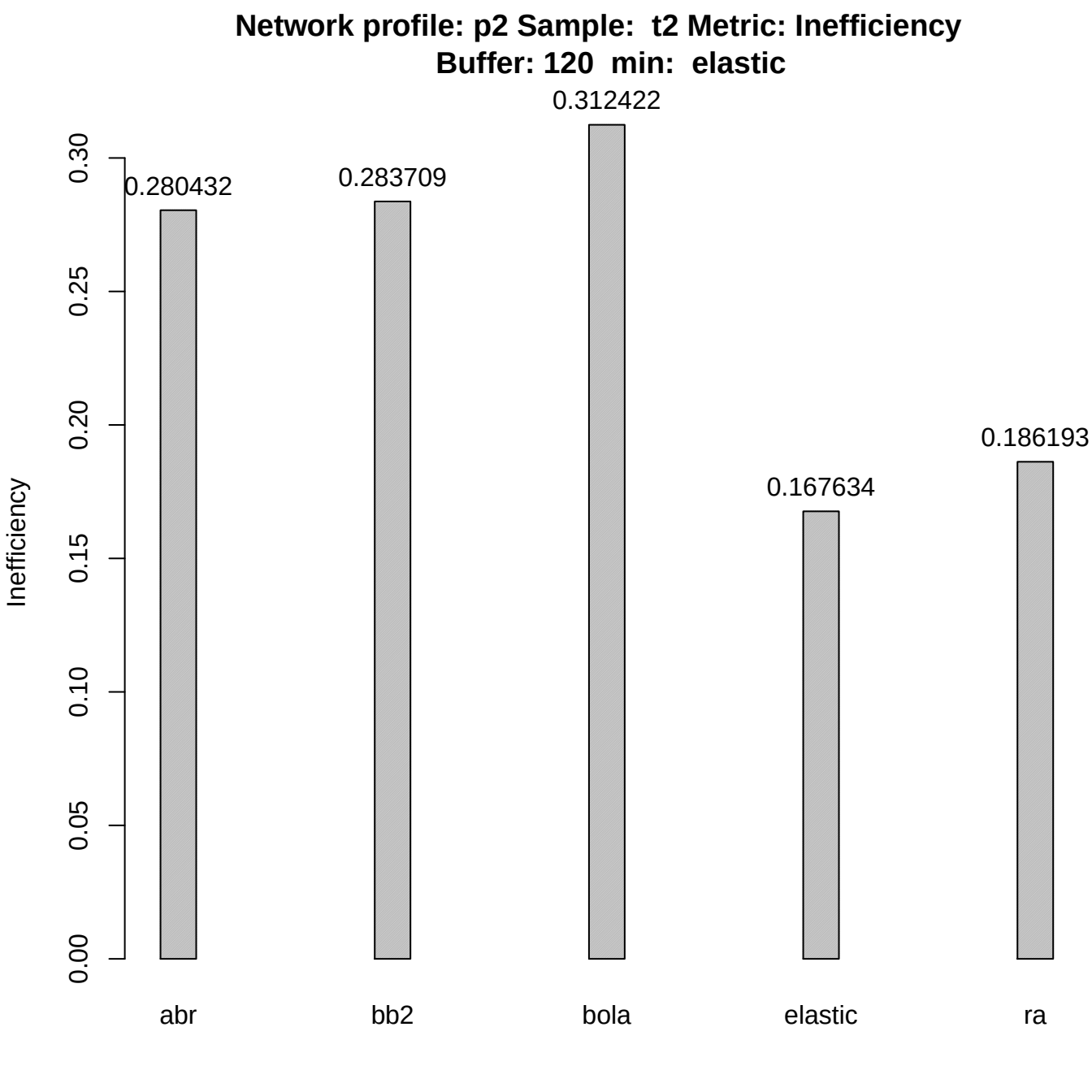

Network profile: p1 Sample: t7 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
10
20
30
40
47
12
14
45
16
abr
bb2
bola
elastic
ra

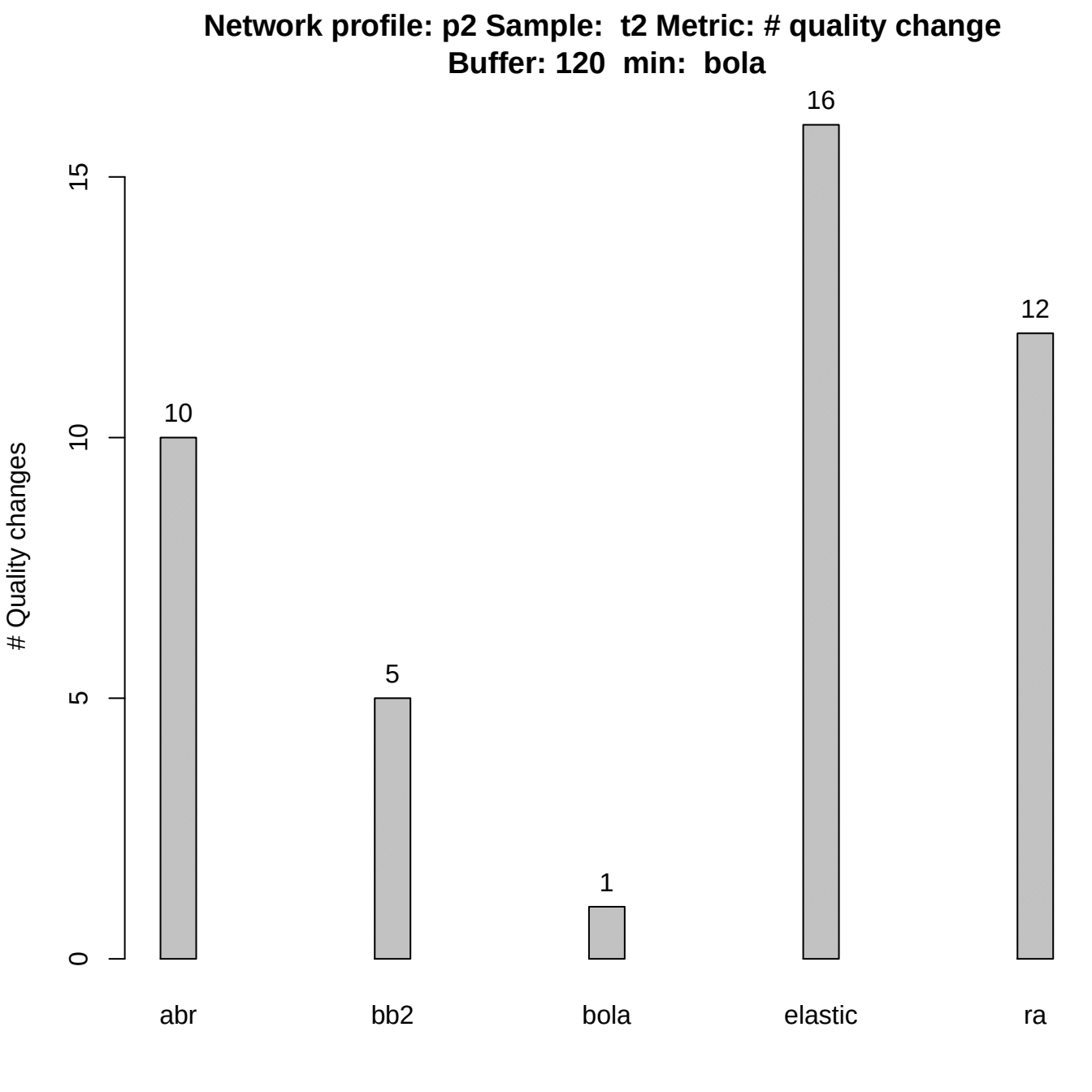

Network profile: p2 Sample: t1 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
2500
1827.17
2821.44
2839.57
2907.87
2718.38
abr
bb2
bola
elastic
ra

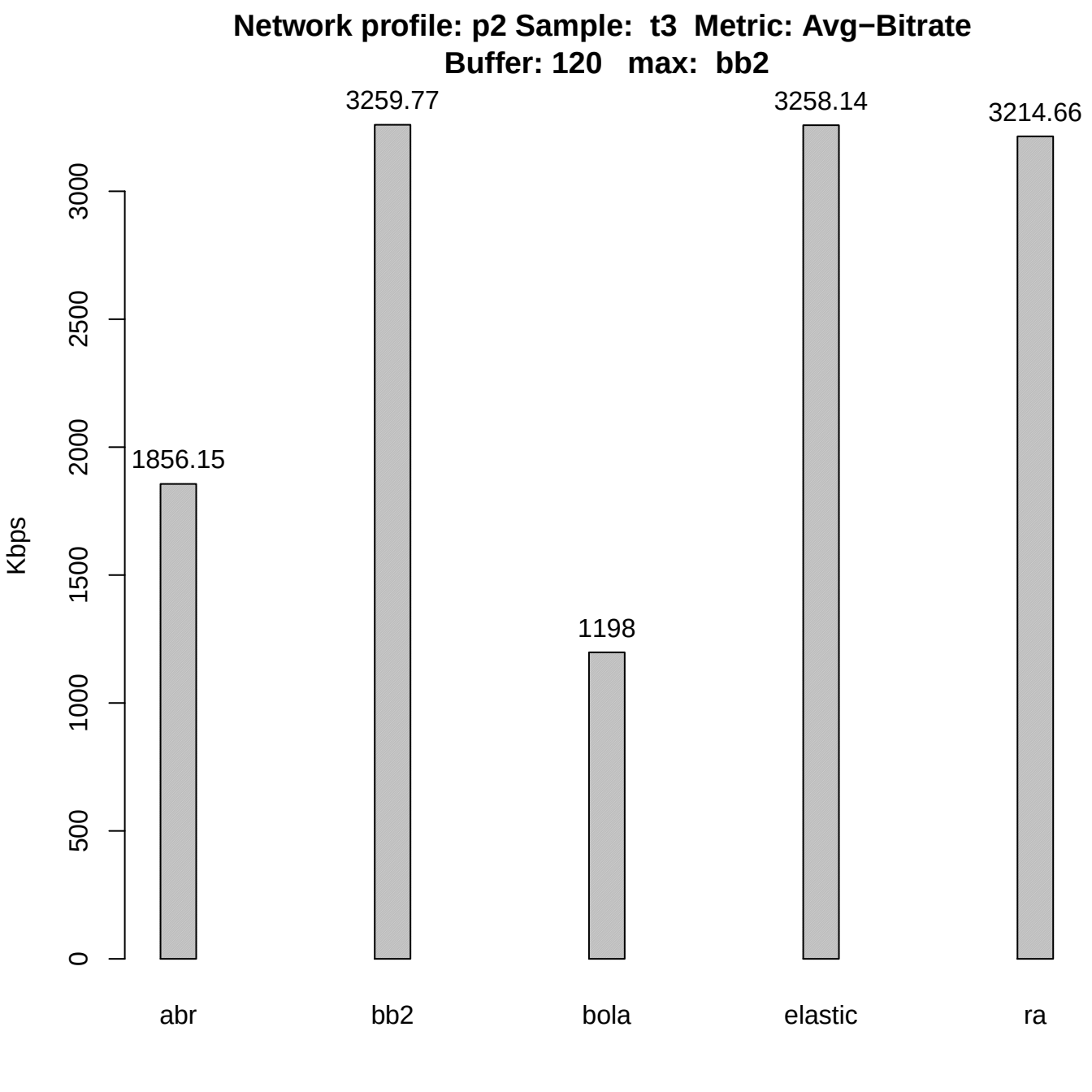

Network profile: p2 Sample: t1 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.331089
0.377443
0.301034
0.210154
0.257425
abr
bb2
bola
elastic
ra

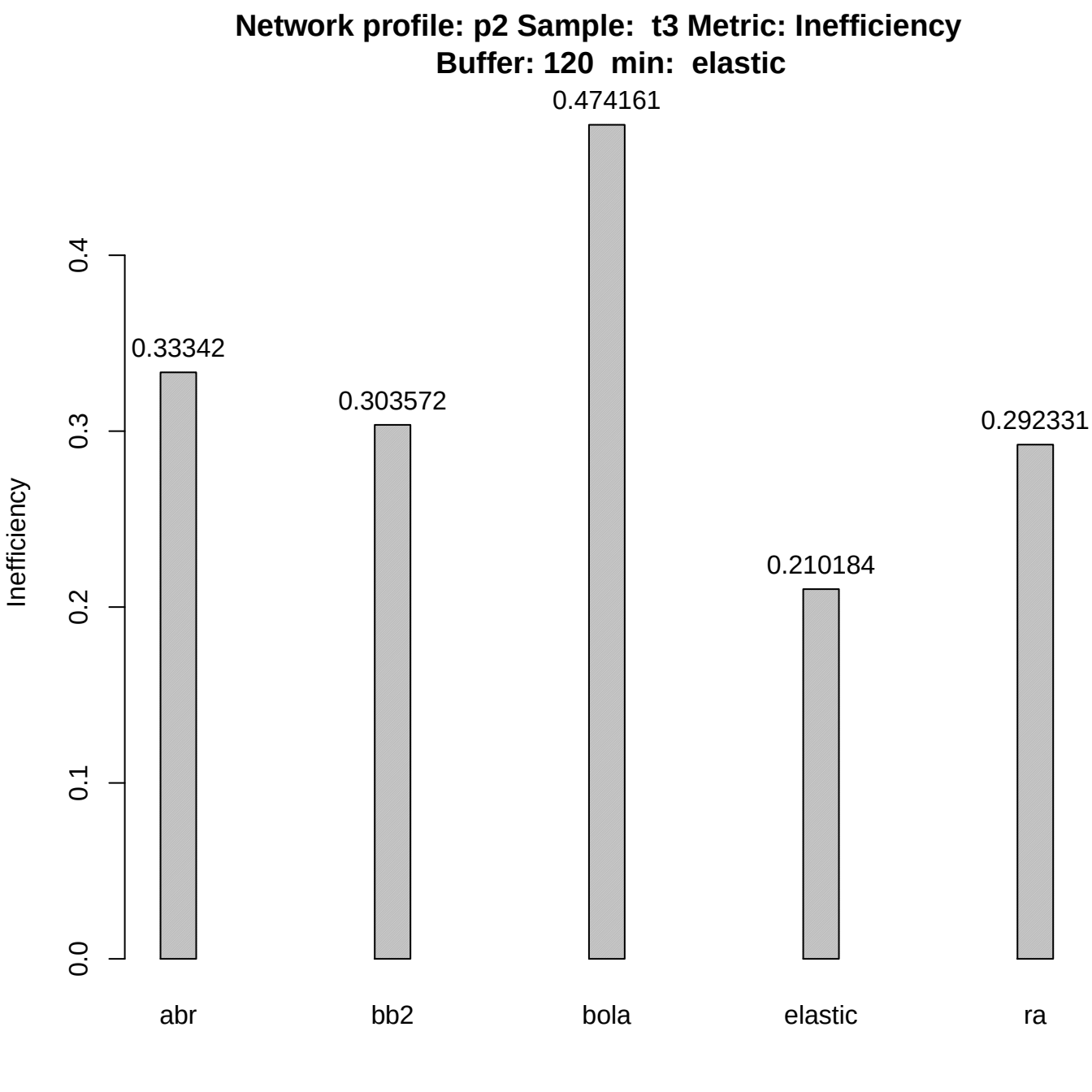

Network profile: p2 Sample: t1 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
10
20
30
40
50
12
5
5
50
45
abr
bb2
bola
elastic
ra

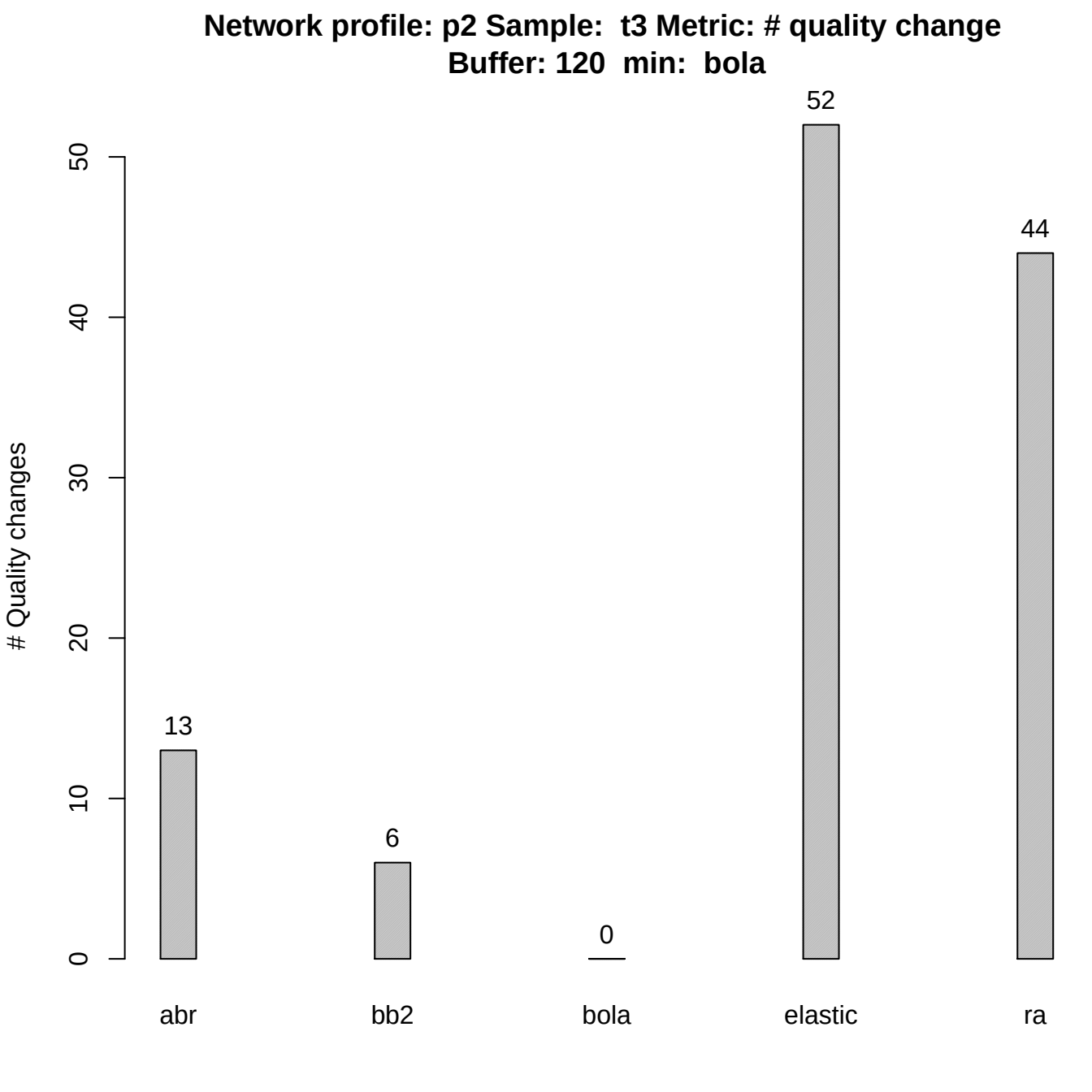

Network profile: p2 Sample: t2 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
2500
3000
2037.48
2935.92
2250.66
3248.14
3202.98
abr
bb2
bola
elastic
ra

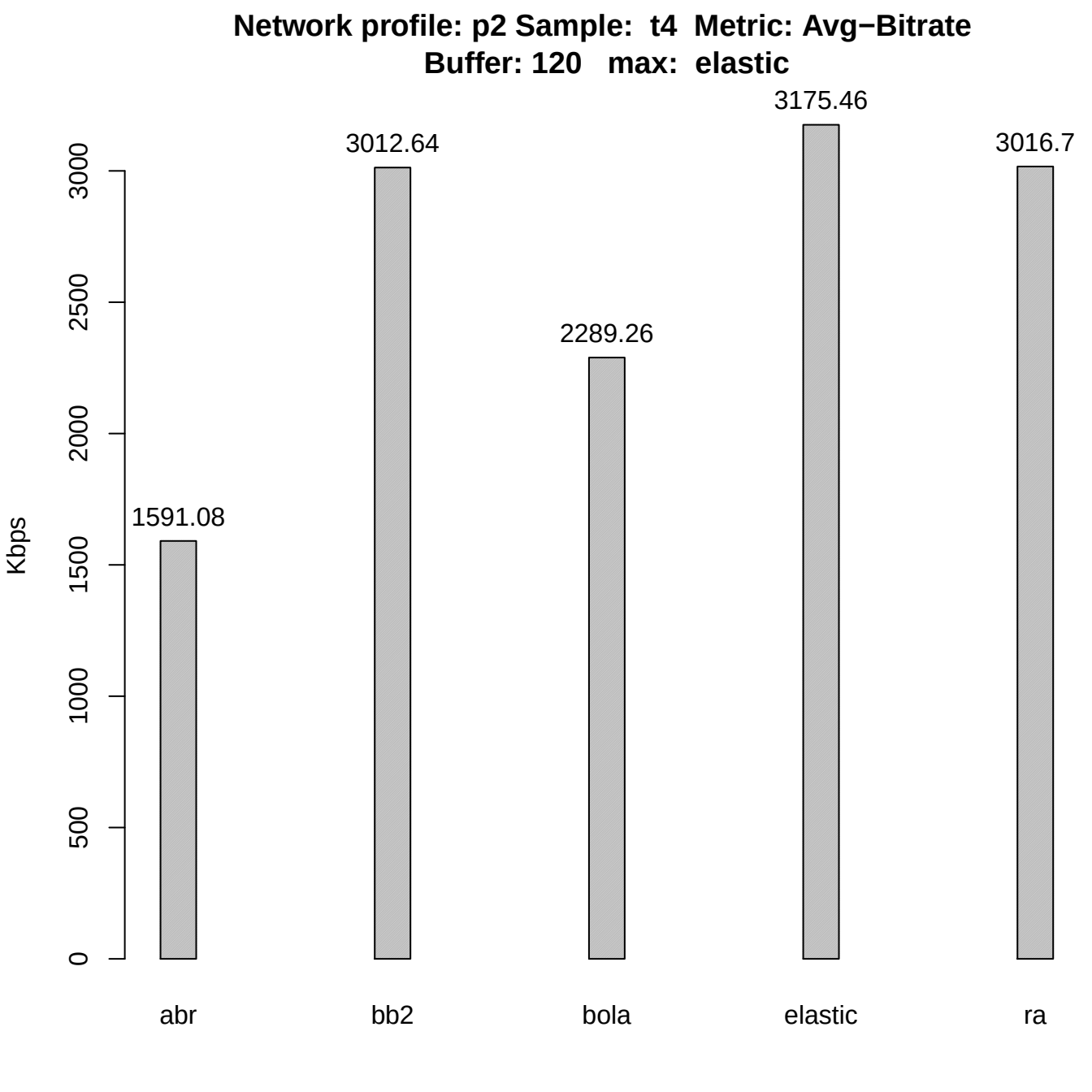

Network profile: p2 Sample: t2 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.280432
0.283709
0.312422
0.167634
0.186193
abr
bb2
bola
elastic
ra

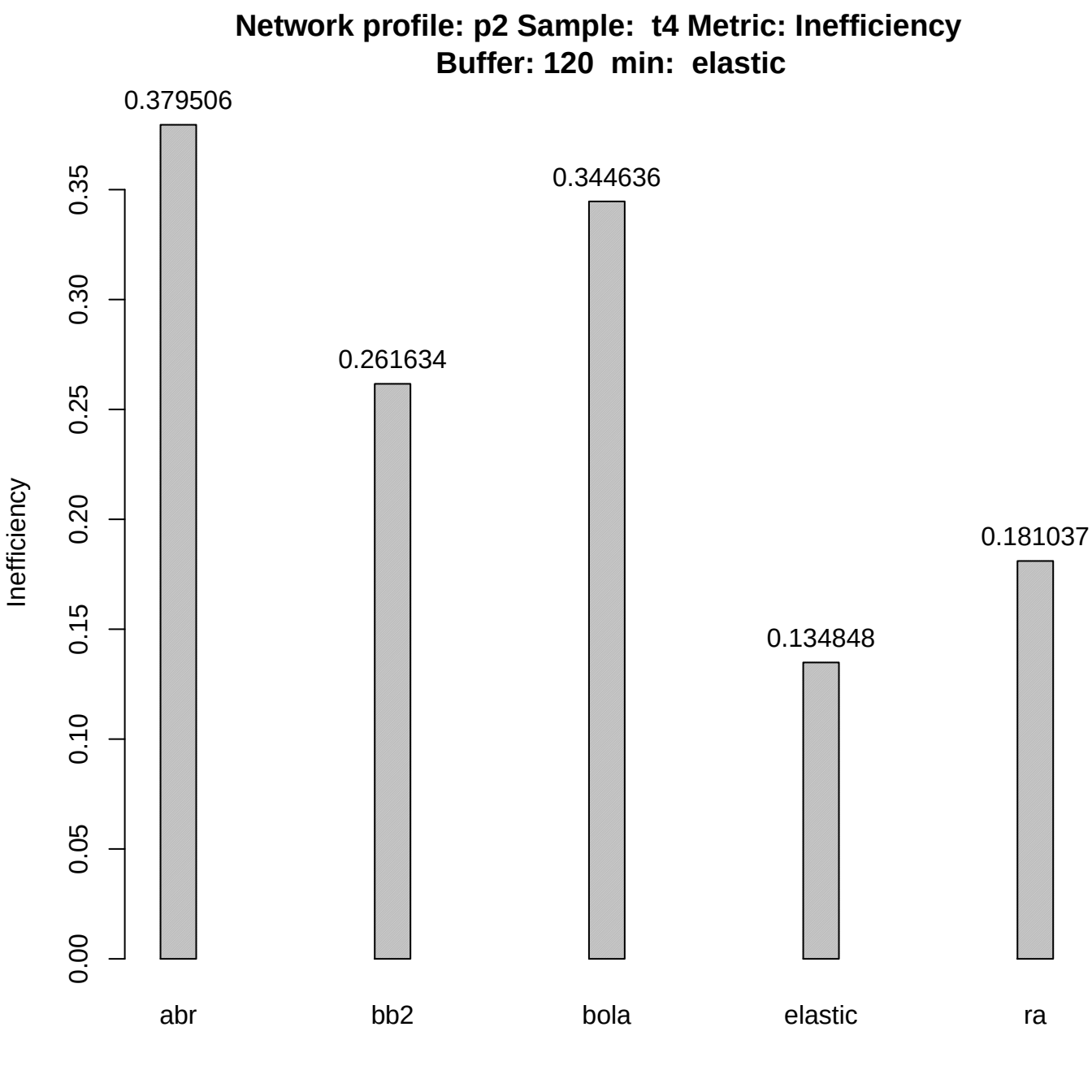

Network profile: p2 Sample: t2 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
5
10
15
10
5
1
16
12
abr
bb2
bola
elastic
ra

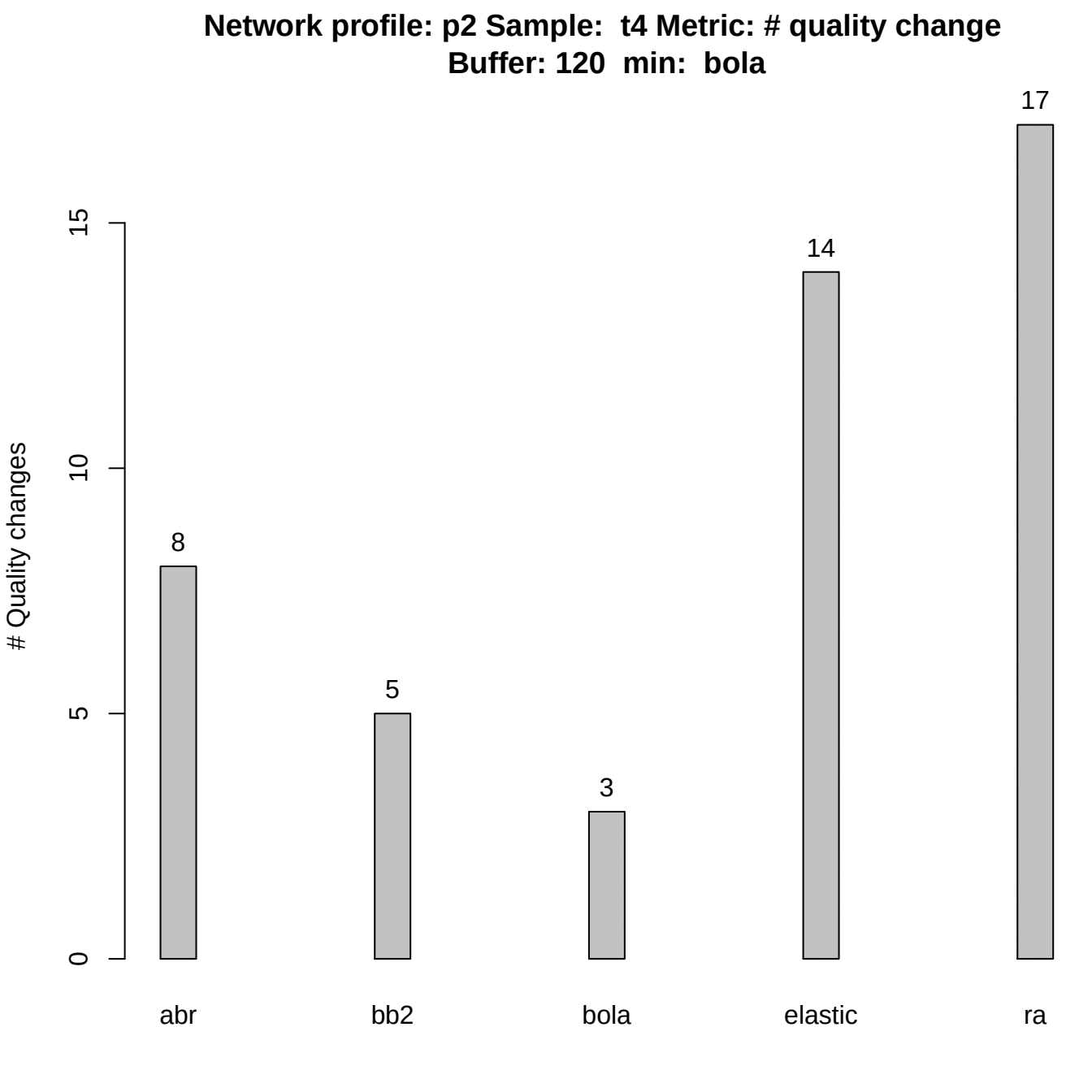

Network profile: p2 Sample: t3 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
3000
1856.15
3259.77
1198
3258.14
3214.66
abr
bb2
bola
elastic
ra

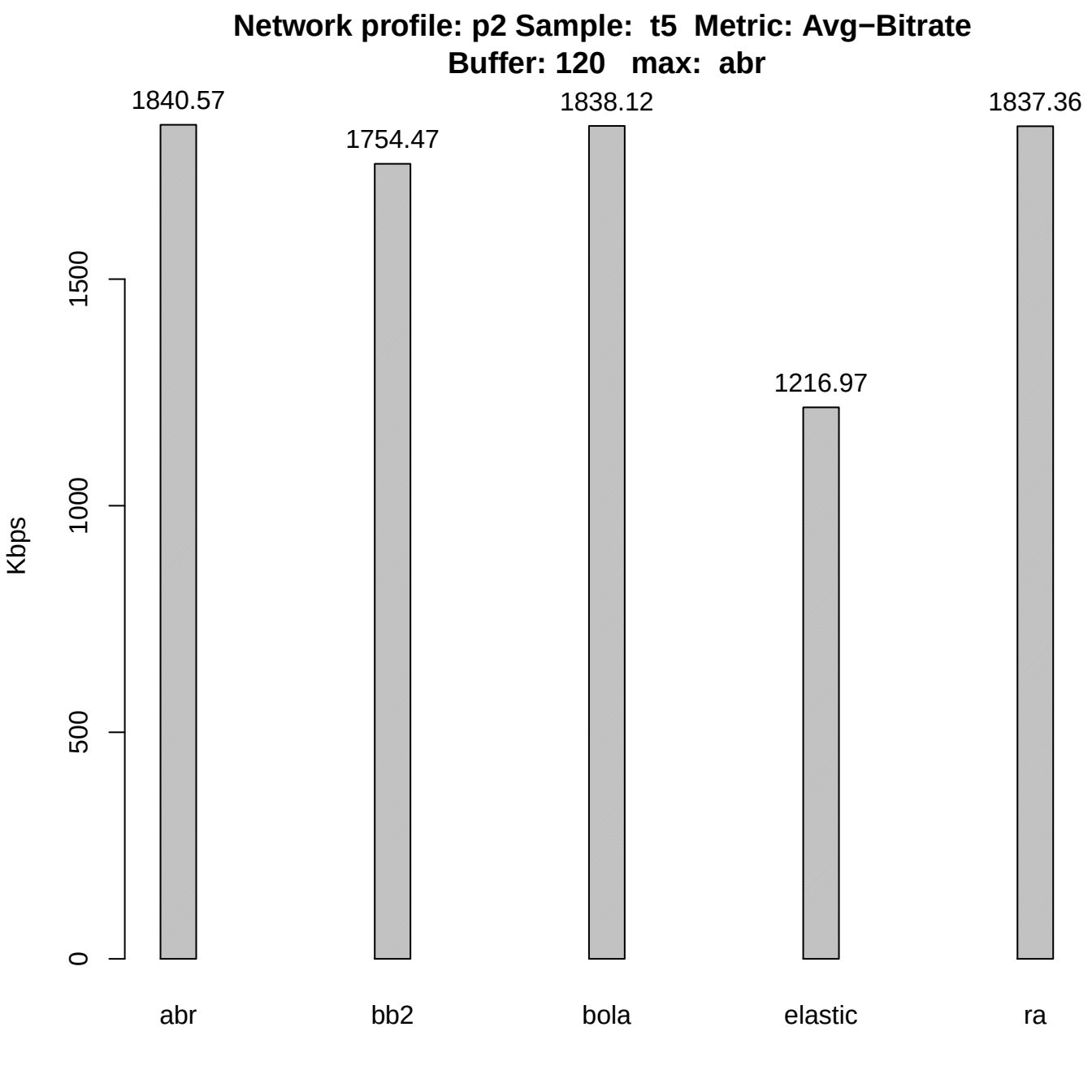

Network profile: p2 Sample: t3 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.33342
0.303572
0.474161
0.210184
0.292331
abr
bb2
bola
elastic
ra

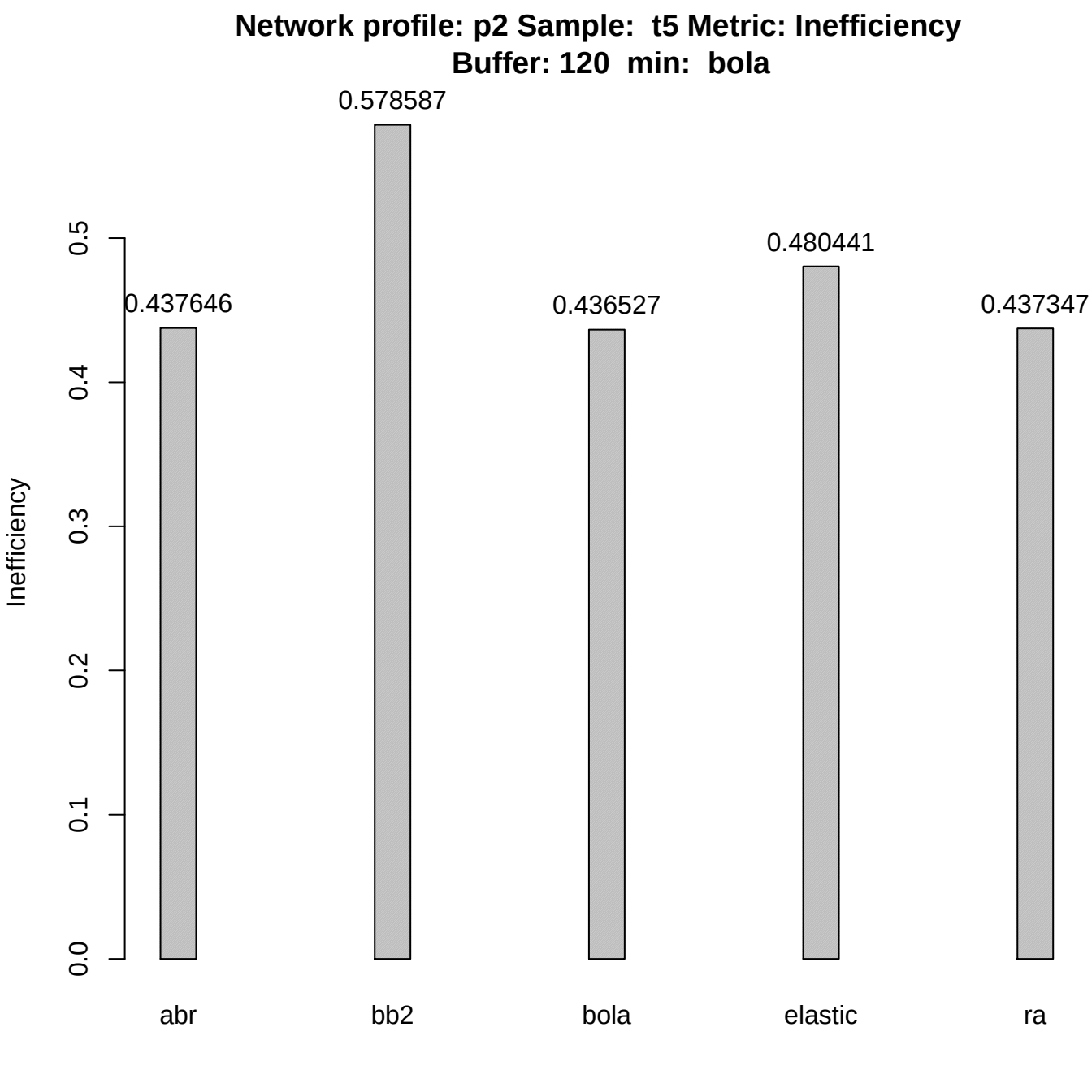

Network profile: p2 Sample: t3 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
13
6
0
52
44
abr
bb2
bola
elastic
ra

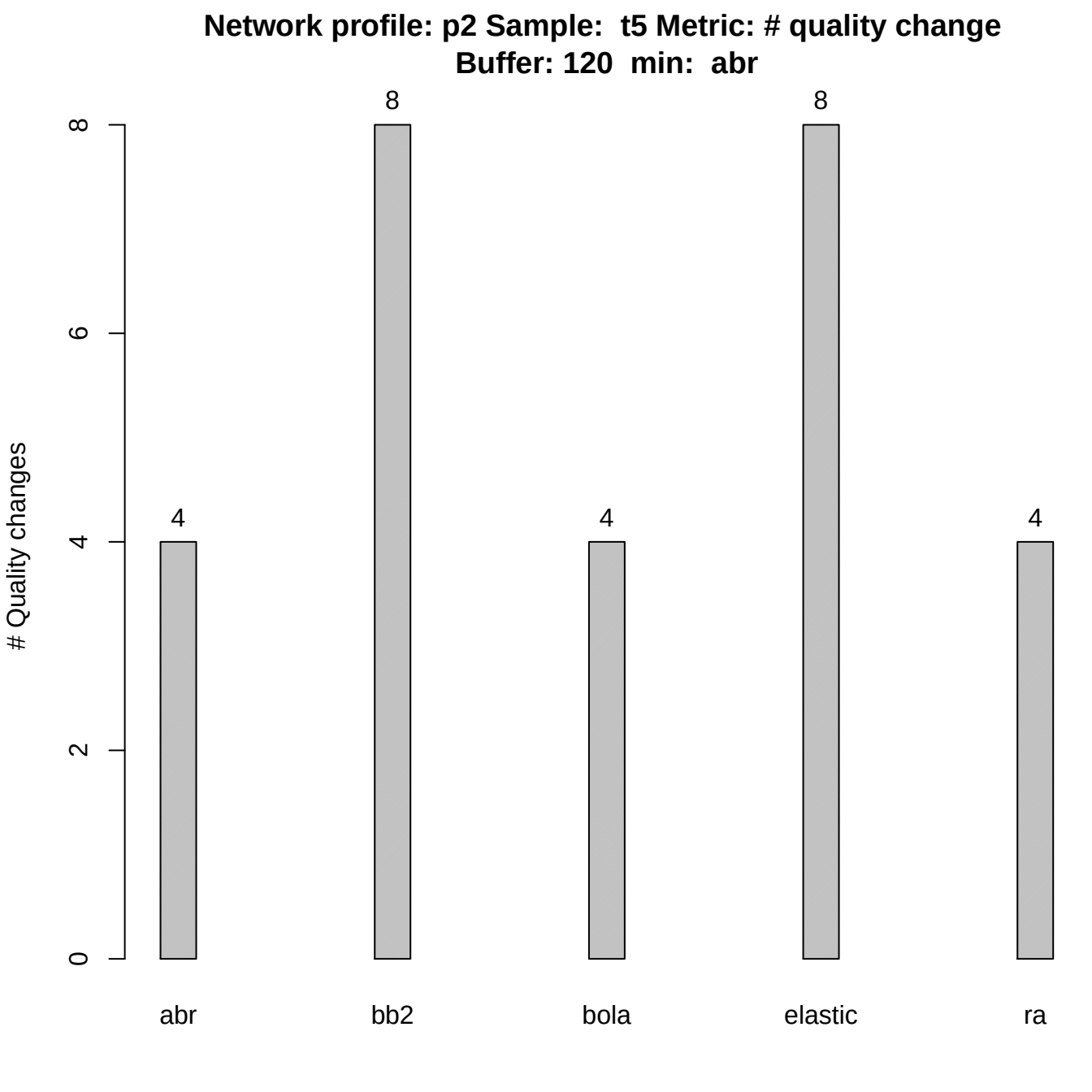

Network profile: p2 Sample: t4 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
2500
3000
1591.08
3012.64
2289.26
3175.46
3016.7
abr
bb2
bola
elastic
ra

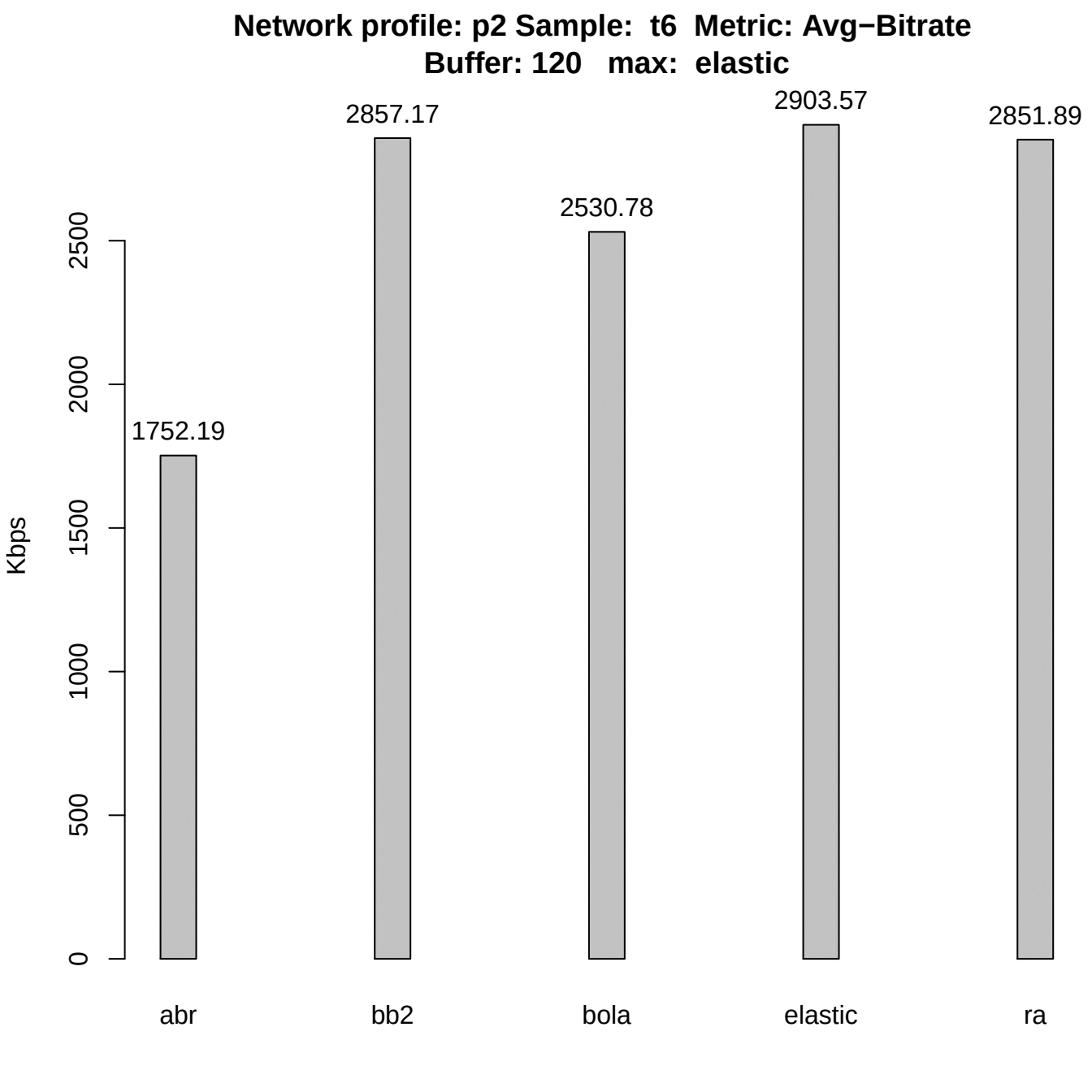

Network profile: p2 Sample: t4 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.379506
0.261634
0.344636
0.134848
0.181037
abr
bb2
bola
elastic
ra

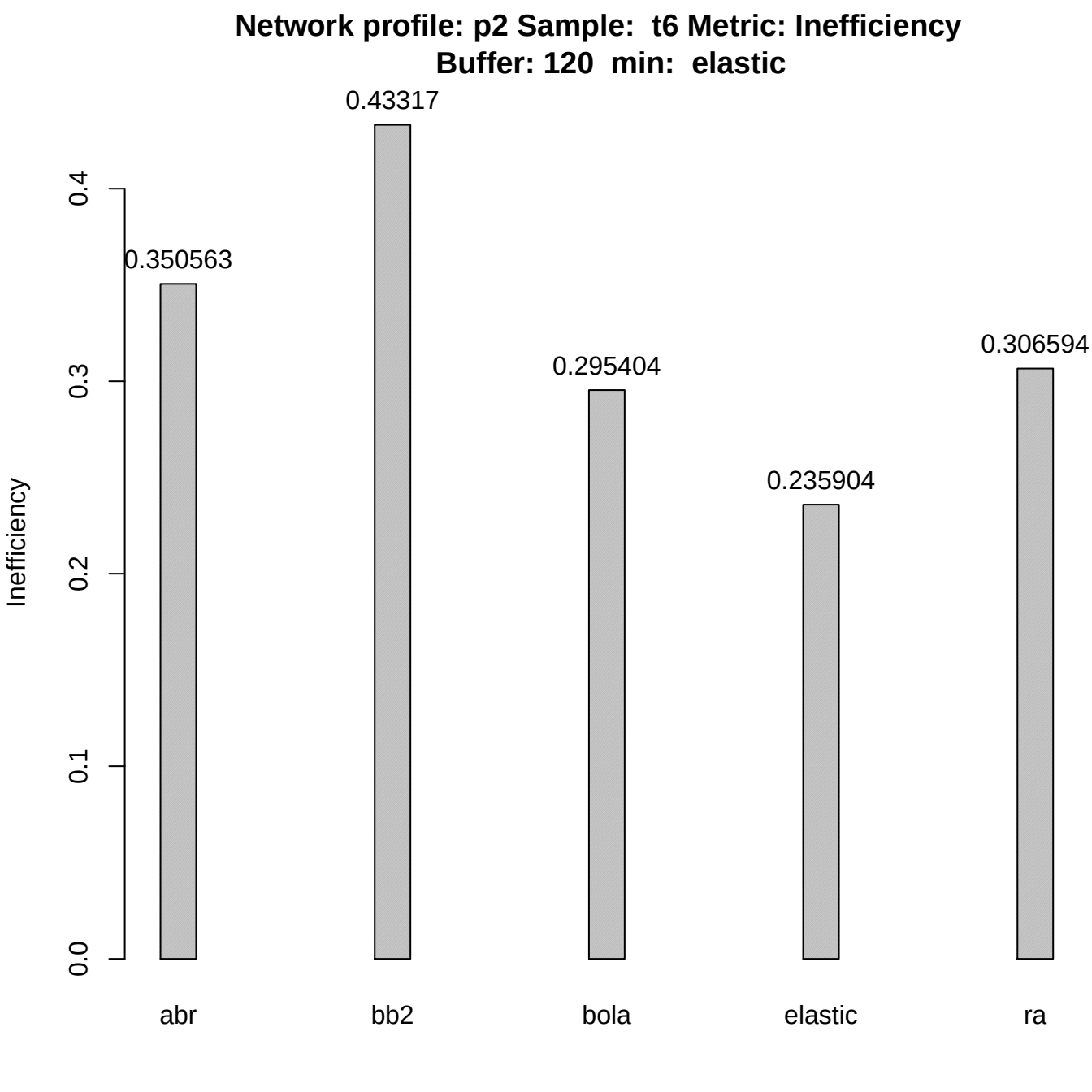

Network profile: p2 Sample: t4 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
5
10
15
8
5
3
14
17
abr
bb2
bola
elastic
ra

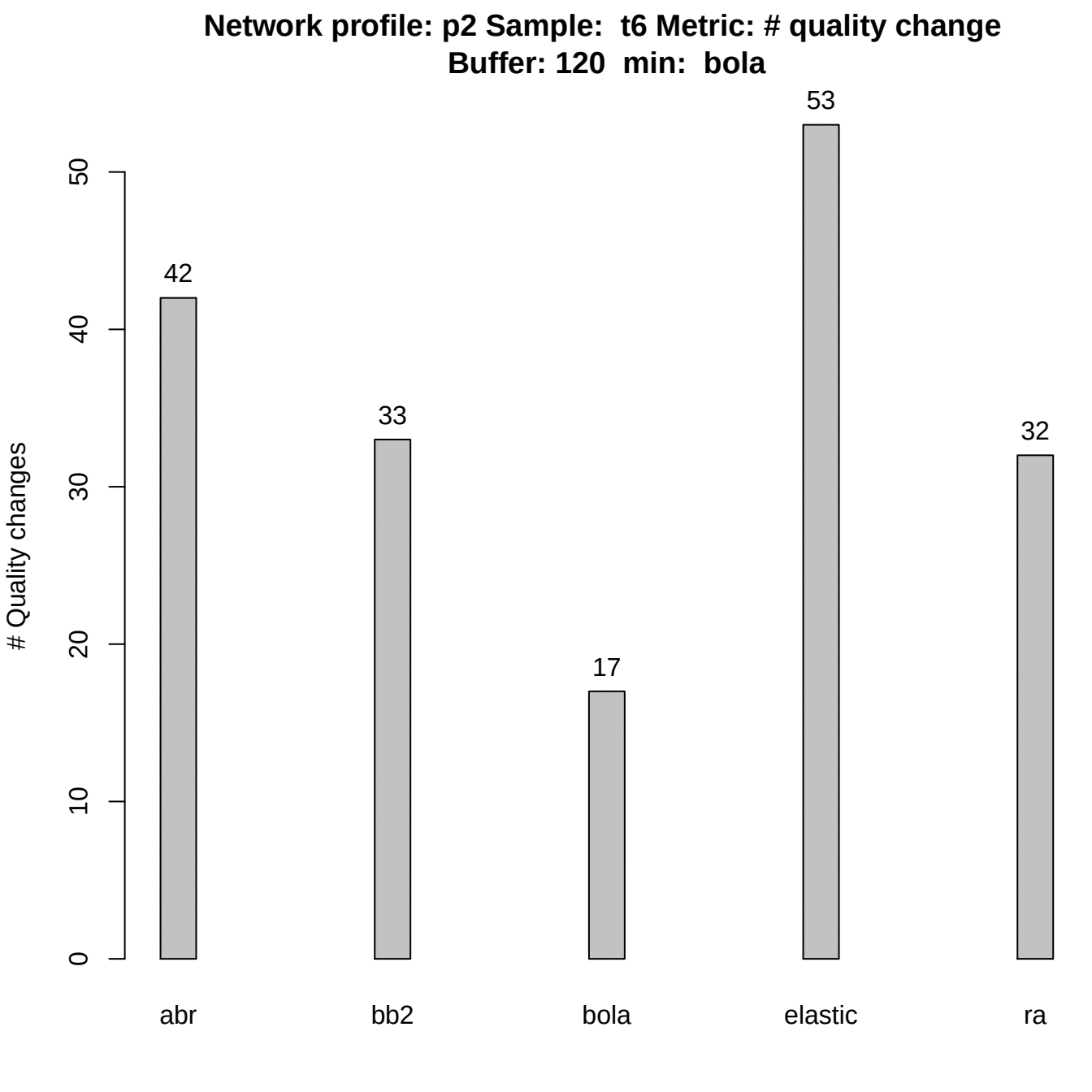

Network profile: p2 Sample: t5 Metric: Avg−Bitrate
Buffer: 120 max: abr
1840.57
1754.47
1838.12
1216.97
1837.36
Kbps
0
500
1000
1500
abr
bb2
bola
elastic
ra

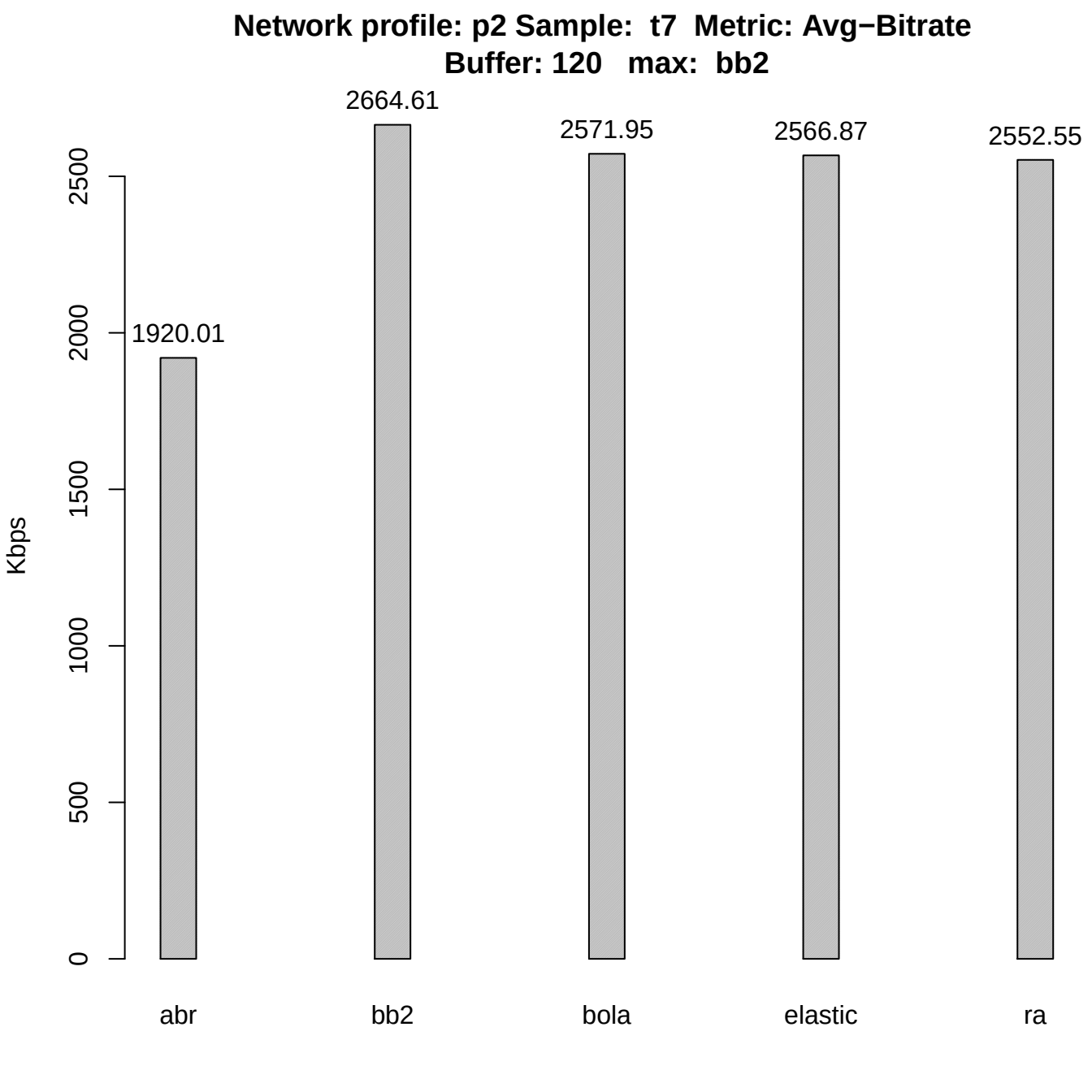

Network profile: p2 Sample: t5 Metric: Inefficiency
Buffer: 120 min: bola
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.437646
0.578587
0.436527
0.480441
0.437347
abr
bb2
bola
elastic
ra

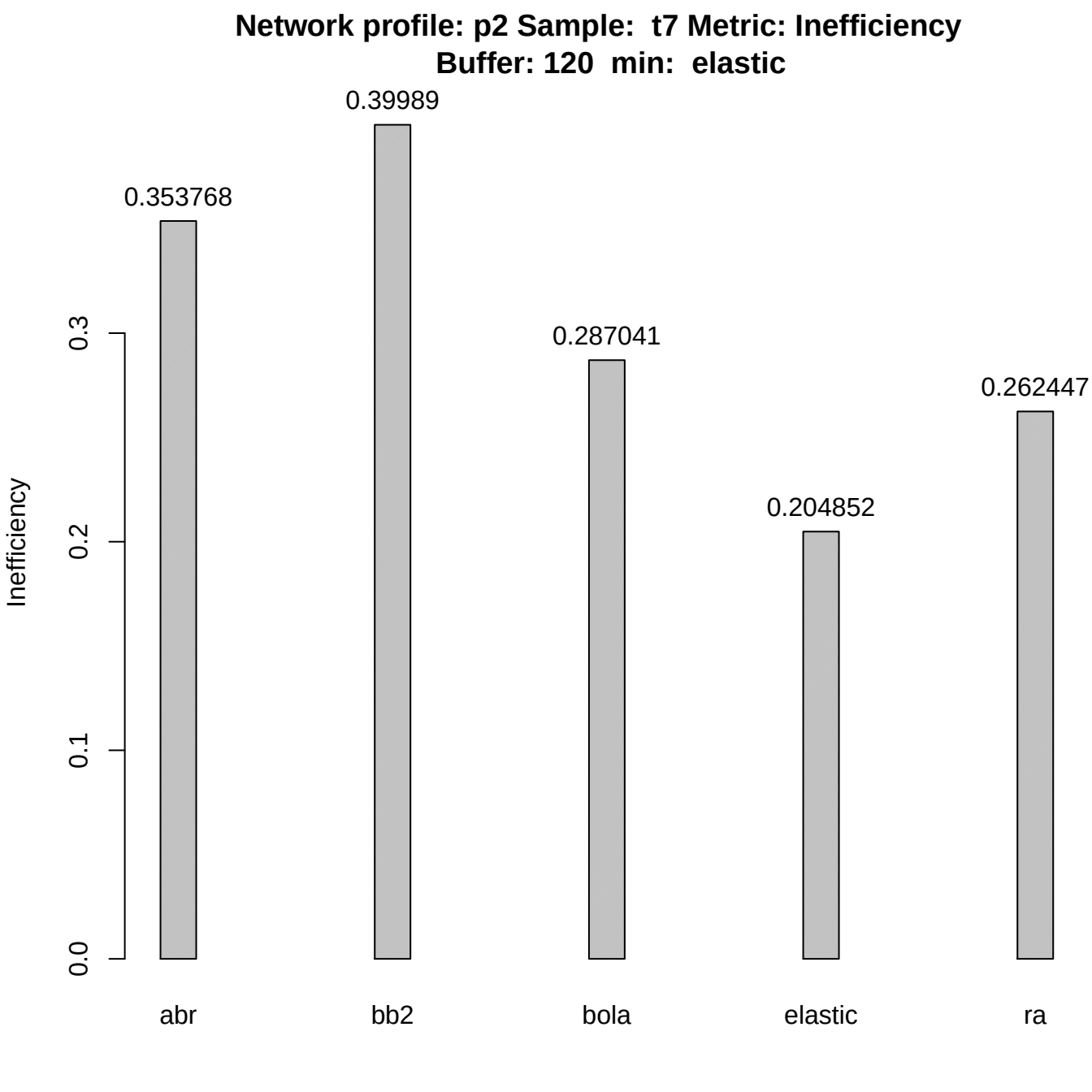

Network profile: p2 Sample: t5 Metric: # quality change
Buffer: 120 min: abr
Quality changes
0
2
4
6
8
4
8
4
8
4
abr
bb2
bola
elastic
ra

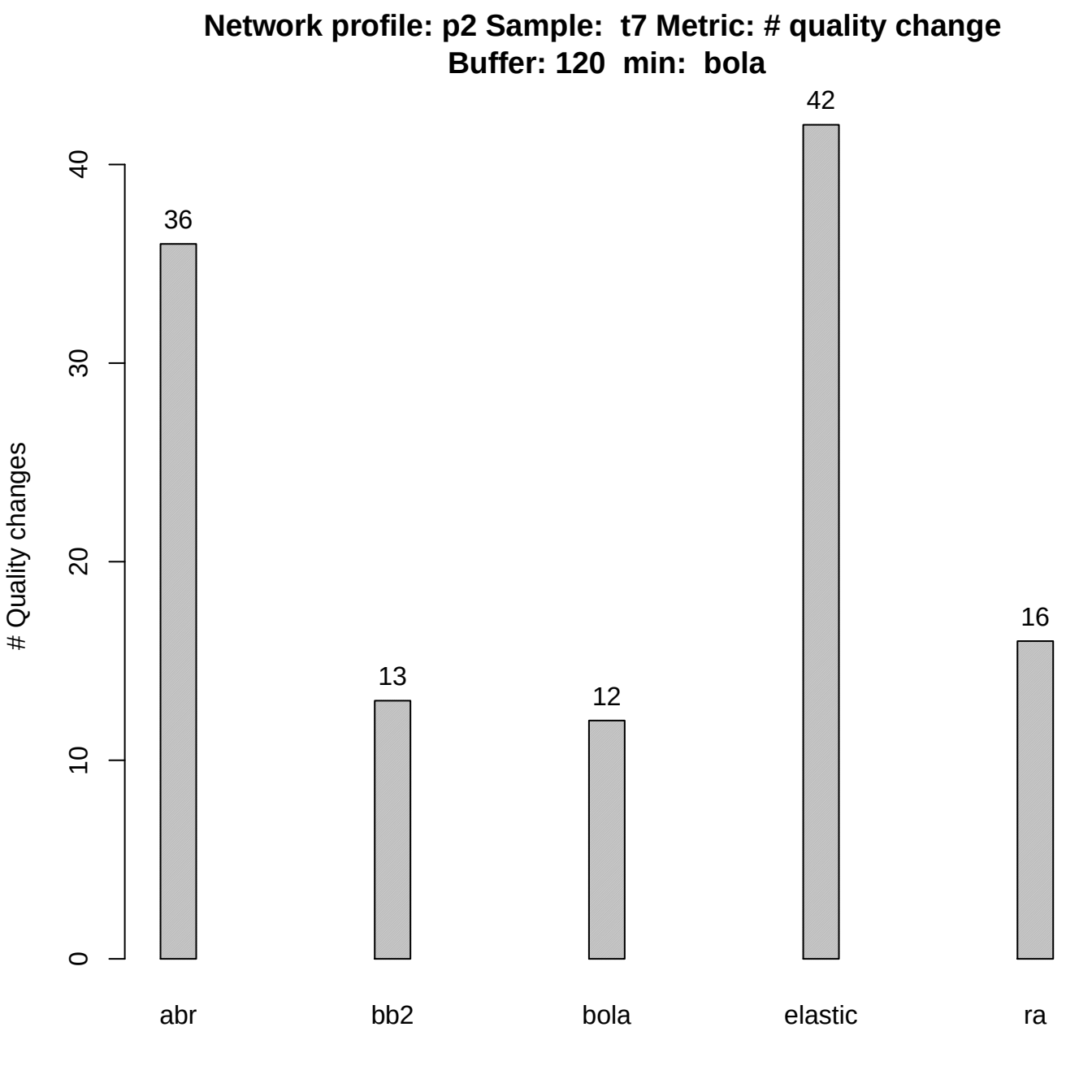

Network profile: p2 Sample: t6 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
2500
1752.19
2857.17
2530.78
2903.57
2851.89
abr
bb2
bola
elastic
ra

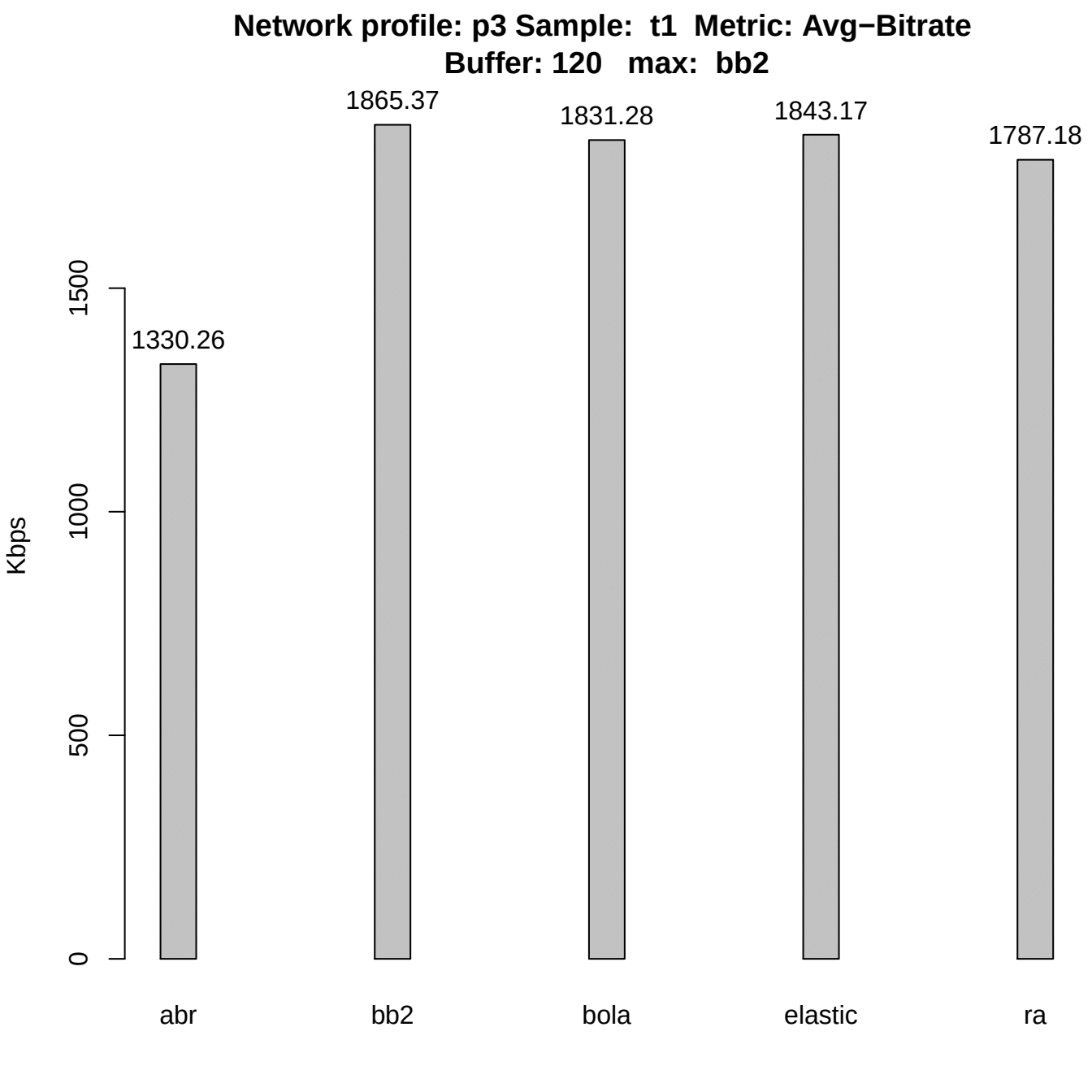

Network profile: p2 Sample: t6 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.350563
0.43317
0.295404
0.235904
0.306594
abr
bb2
bola
elastic
ra

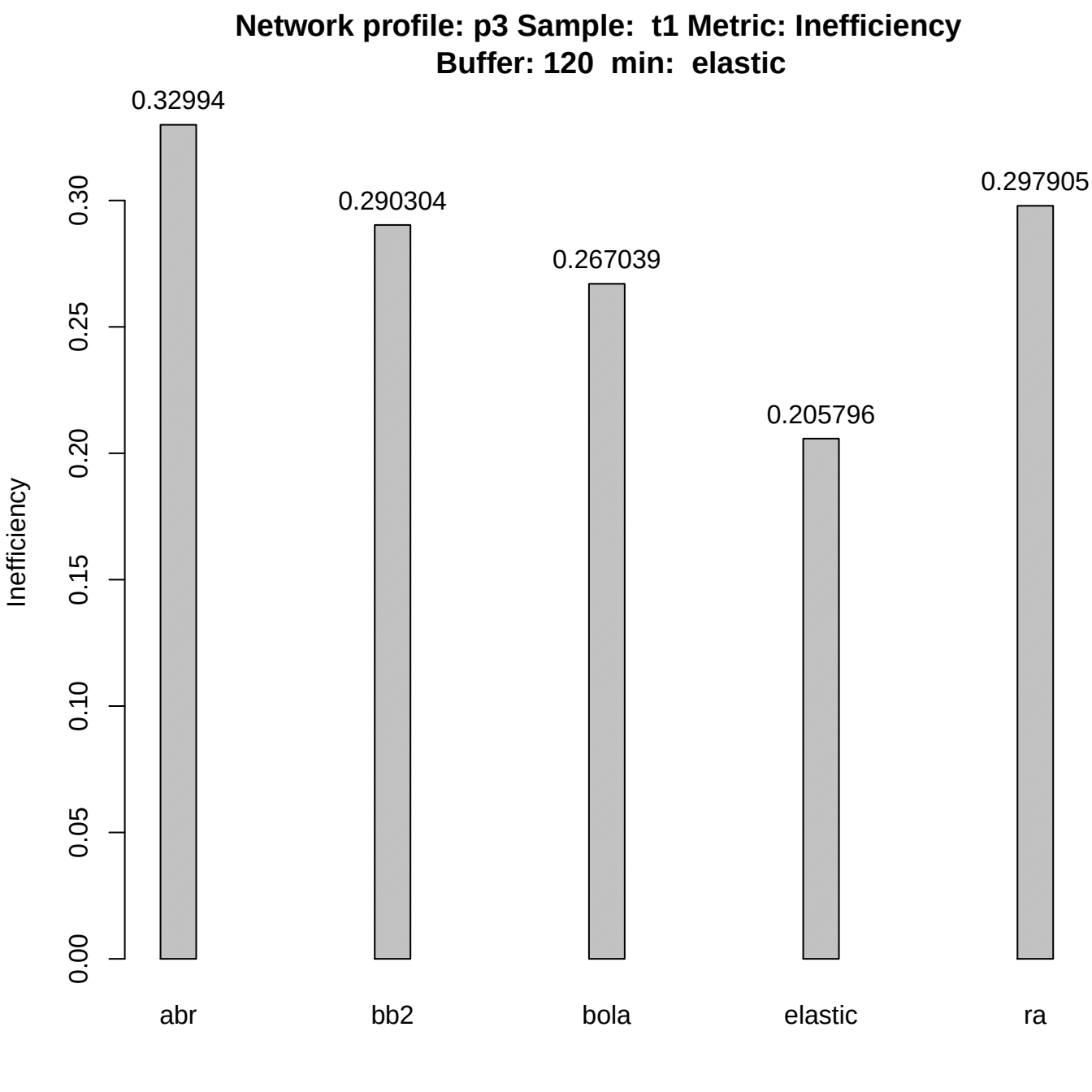

Network profile: p2 Sample: t6 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
42
33
17
53
32
abr
bb2
bola
elastic
ra

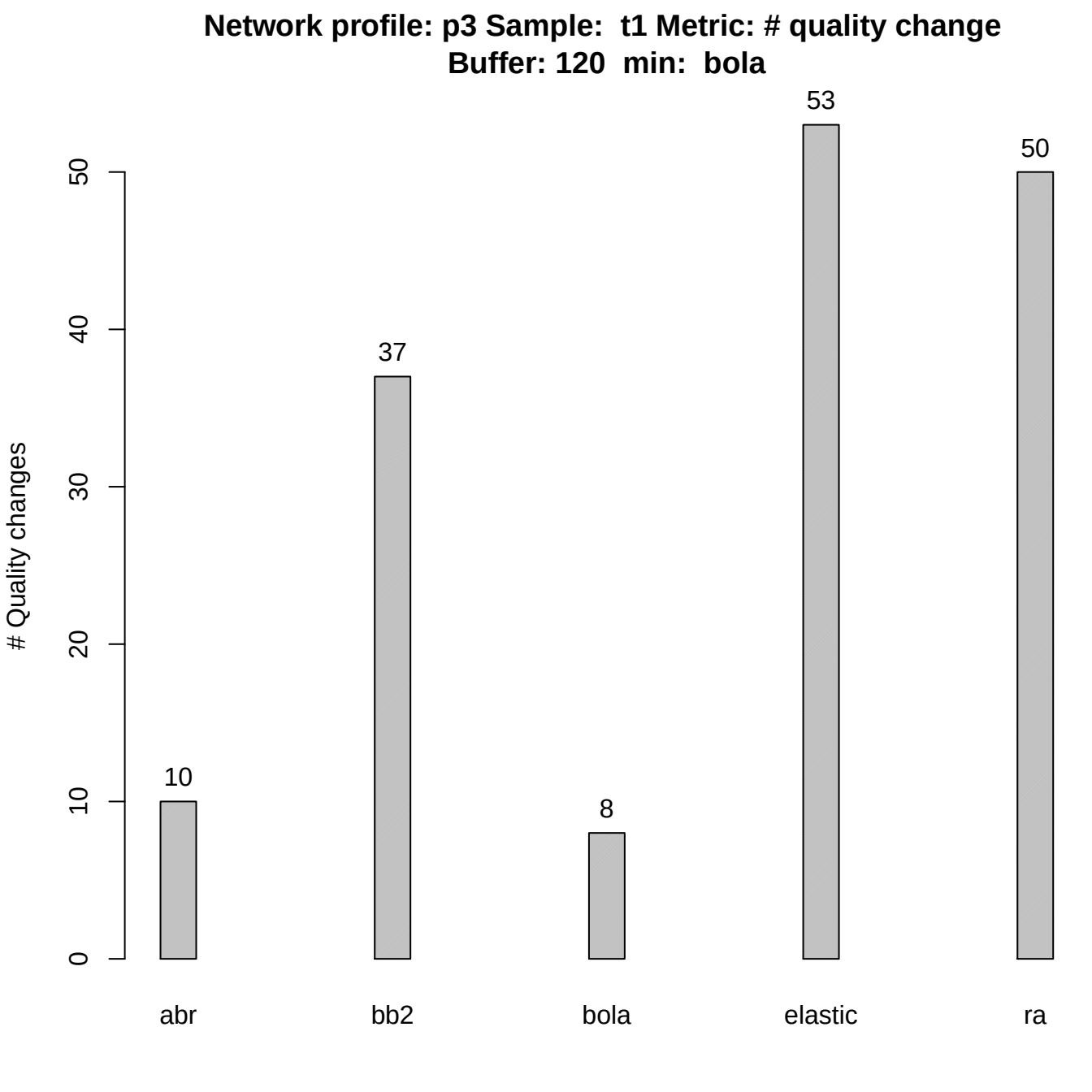

Network profile: p2 Sample: t7 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
2500
1920.01
2664.61
2571.95
2566.87
2552.55
abr
bb2
bola
elastic
ra

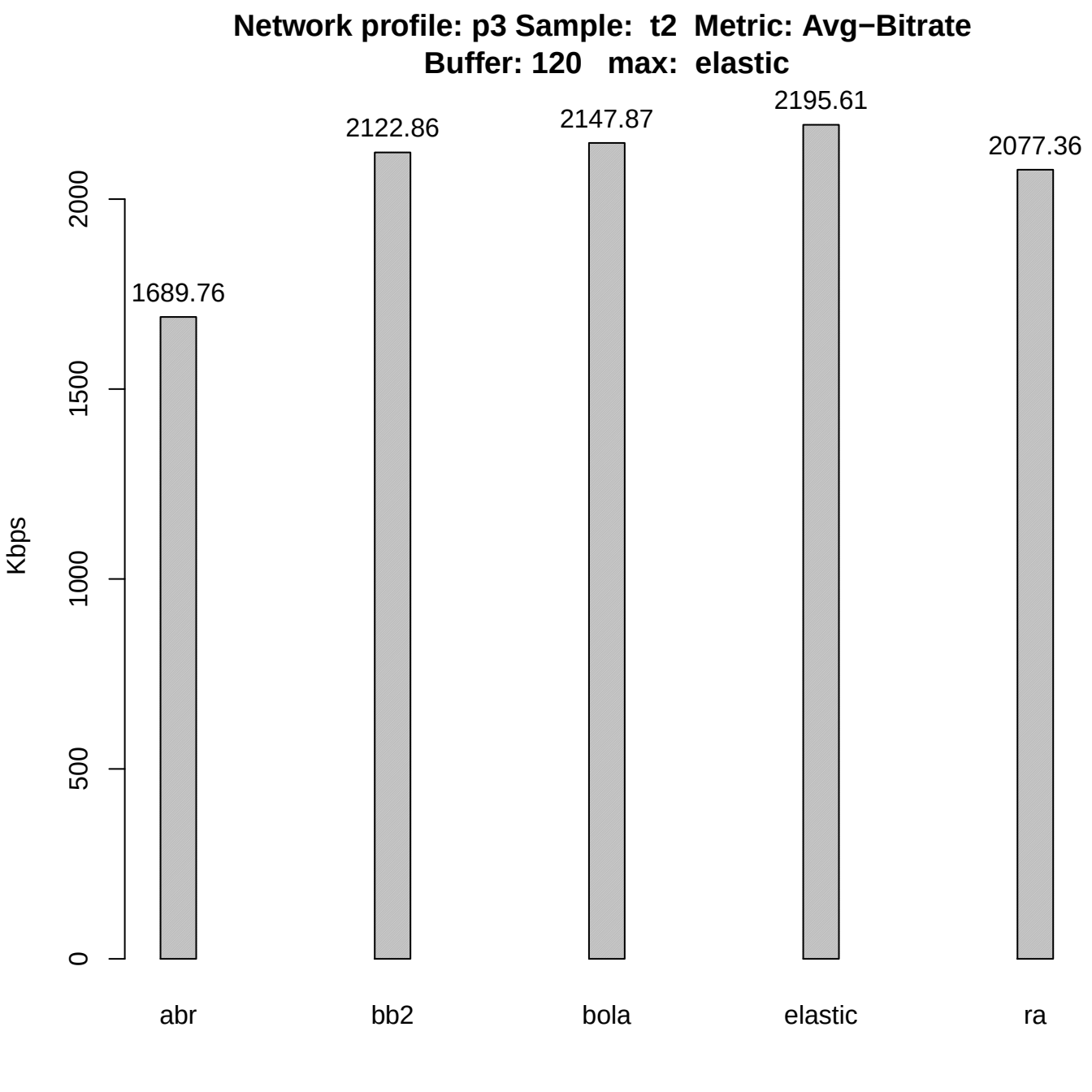

Network profile: p2 Sample: t7 Metric: Inefficiency
Buffer: 120 min: elastic
0.353768
0.39989
0.287041
0.204852
0.262447
Inefficiency
0.0
0.1
0.2
0.3
abr
bb2
bola
elastic
ra

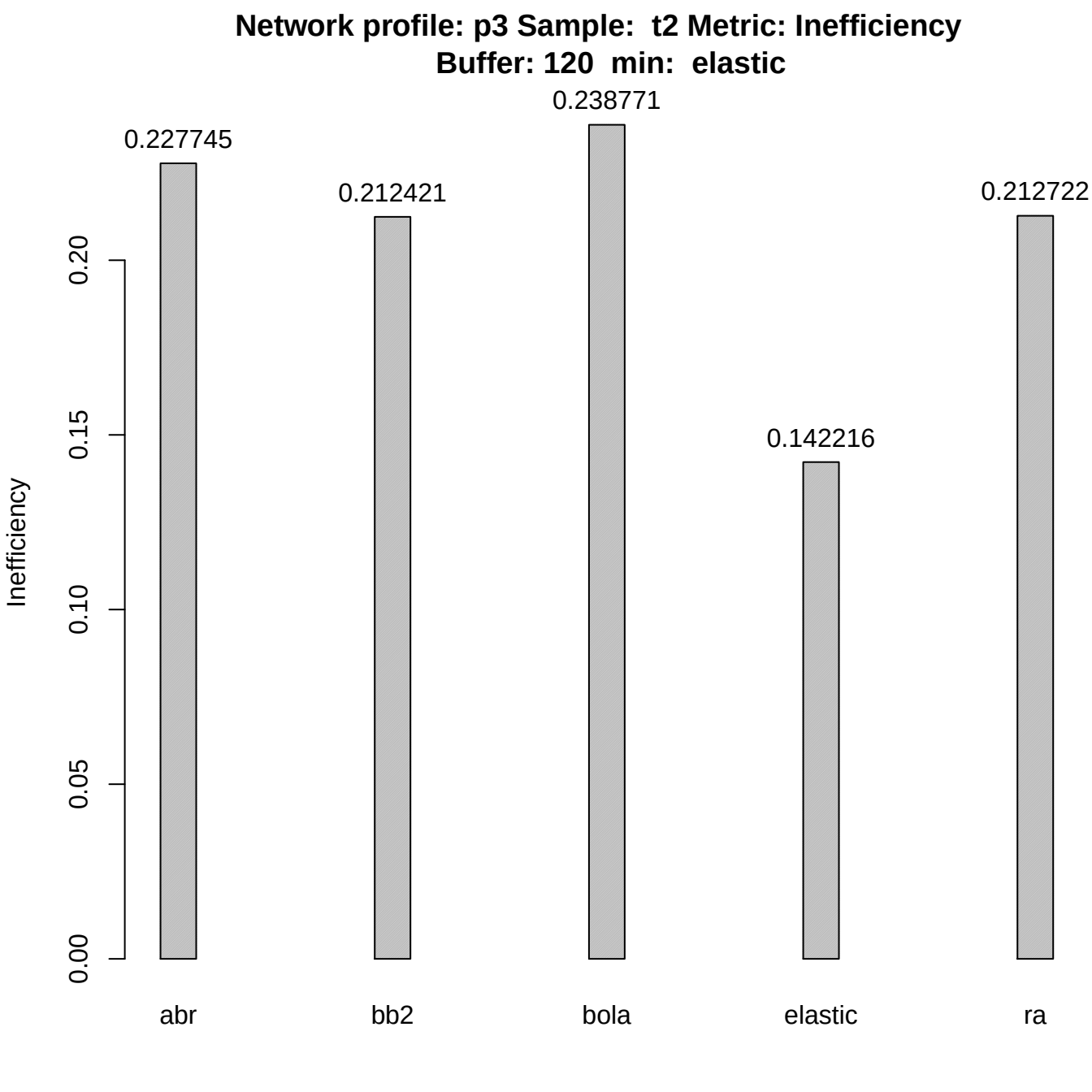

Network profile: p2 Sample: t7 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
36
13
12
42
16
abr
bb2
bola
elastic
ra

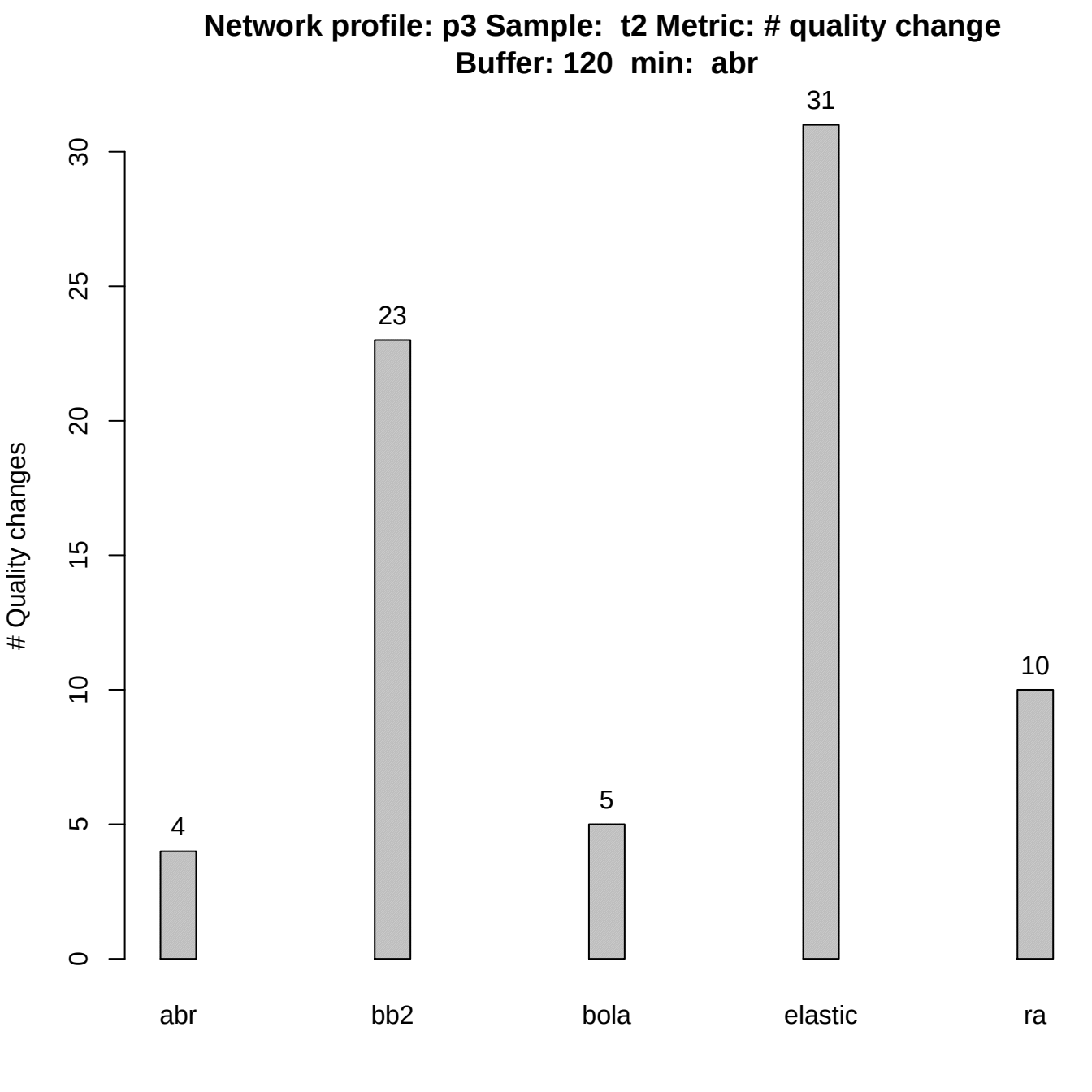

Network profile: p3 Sample: t1 Metric: Avg−Bitrate
Buffer: 120 max: bb2
1865.37
1831.28
1843.17
1787.18
1330.26
Kbps
0
500
1000
1500
abr
bb2
bola
elastic
ra

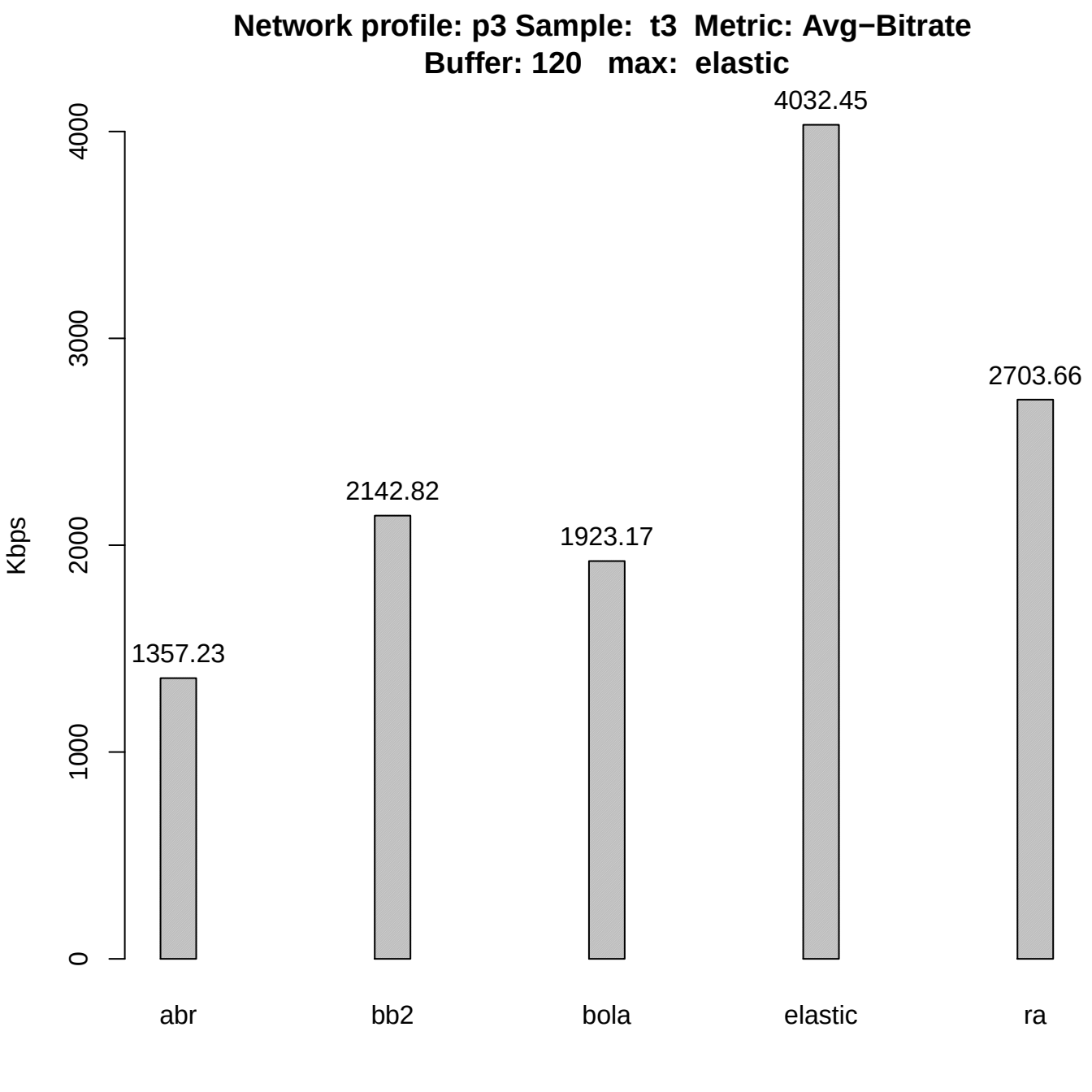

Network profile: p3 Sample: t1 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.32994
0.290304
0.267039
0.205796
0.297905
abr
bb2
bola
elastic
ra

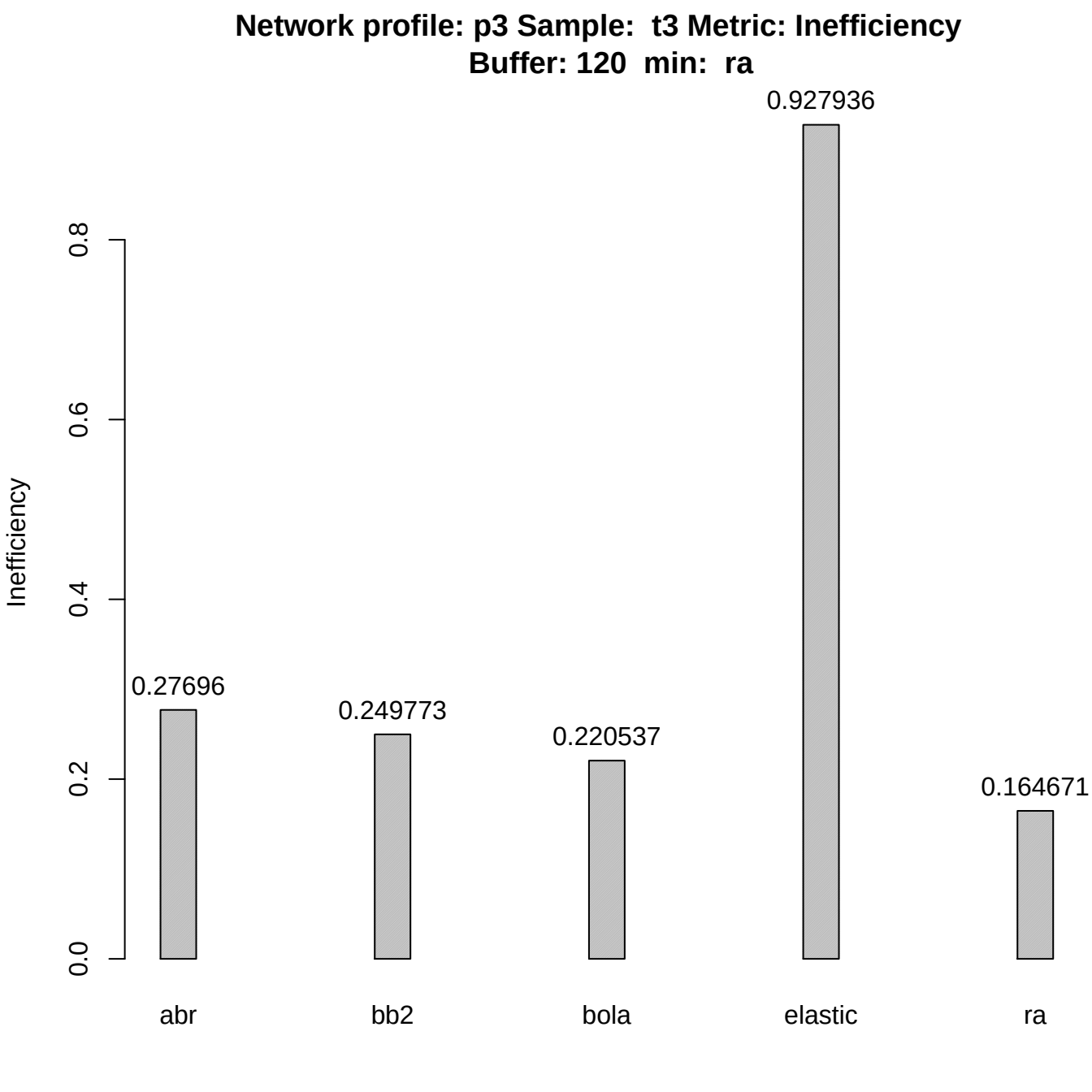

Network profile: p3 Sample: t1 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
10
37
8
53
50
abr
bb2
bola
elastic
ra

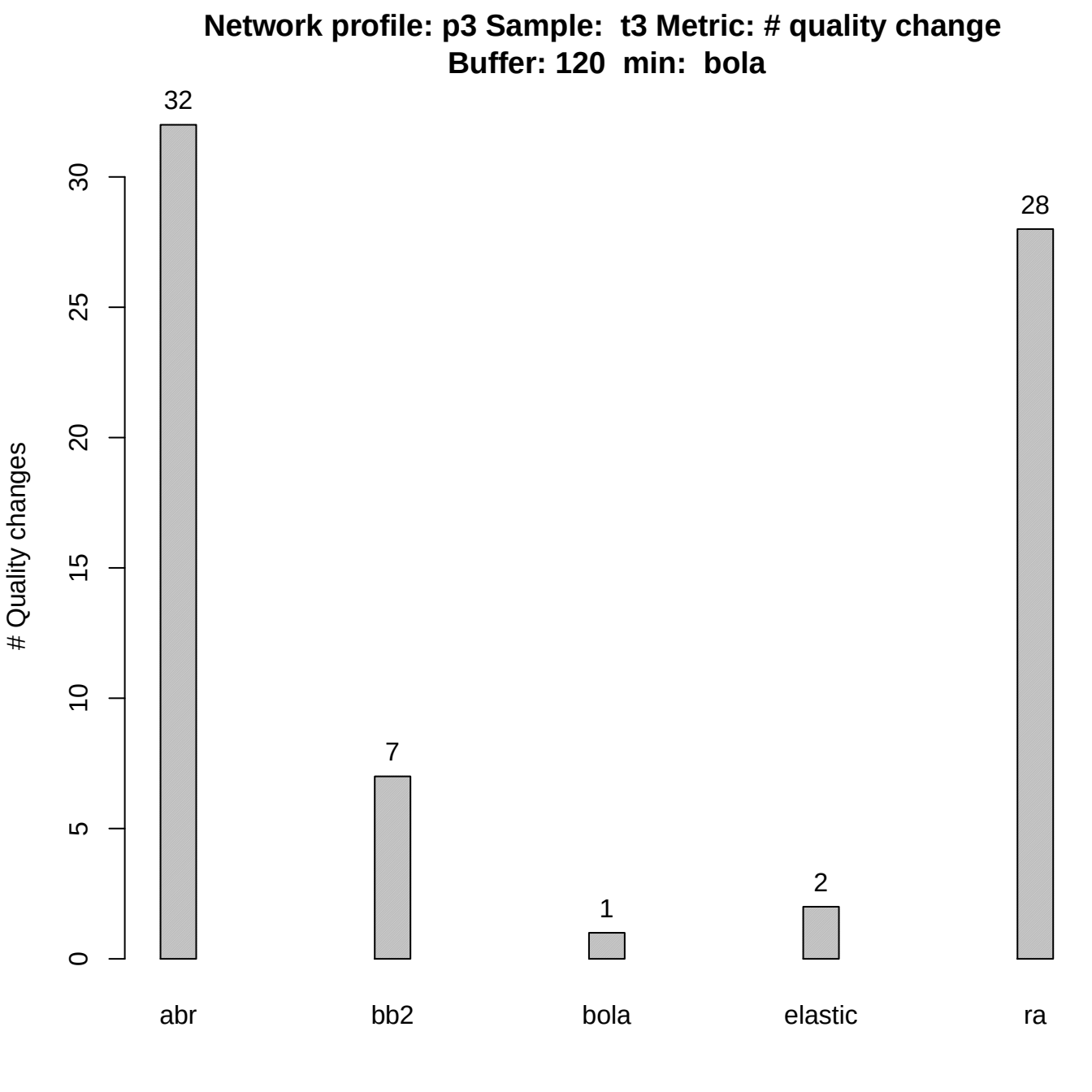

Network profile: p3 Sample: t2 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
2000
1689.76
2122.86
2147.87
2195.61
2077.36
abr
bb2
bola
elastic
ra

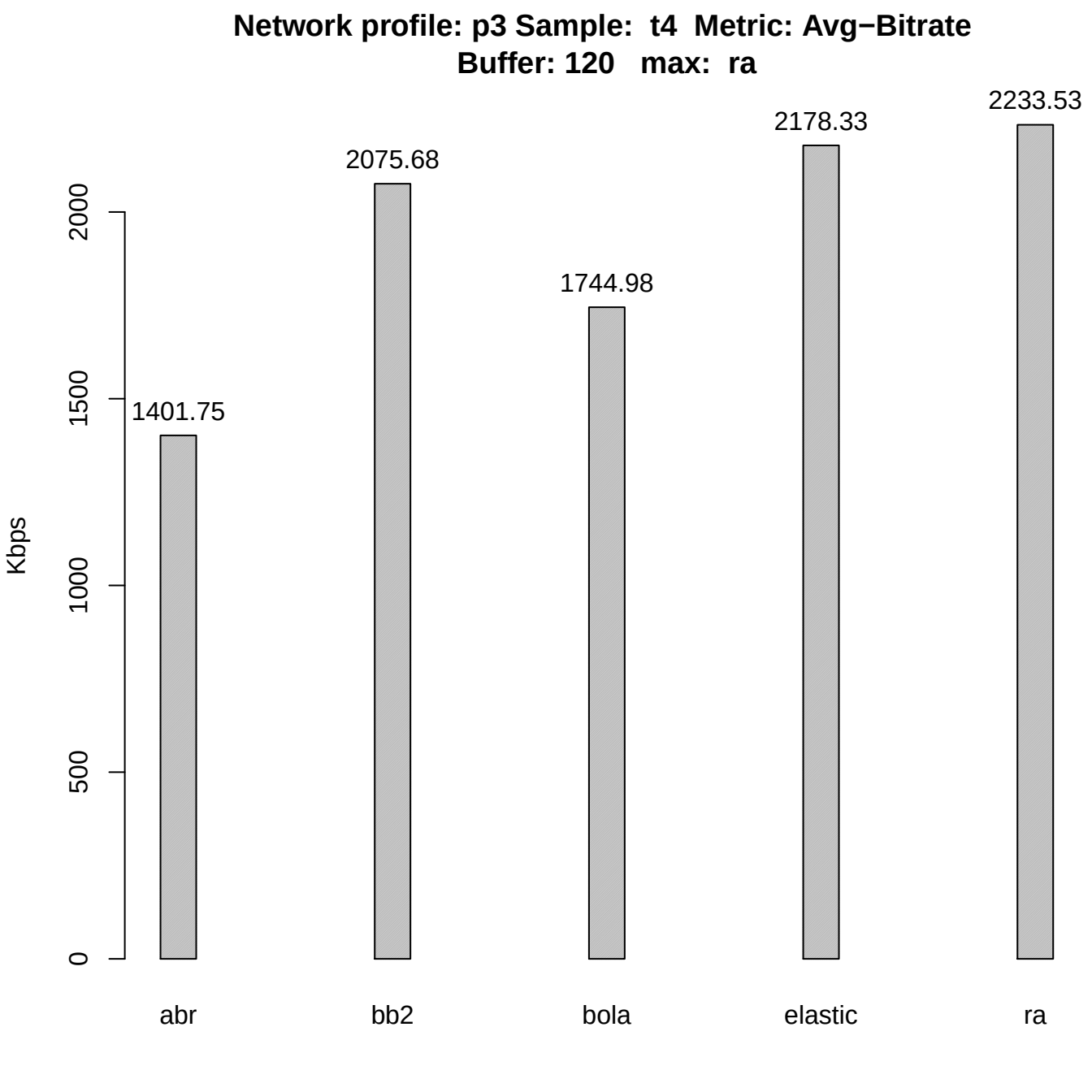

Network profile: p3 Sample: t2 Metric: Inefficiency
Buffer: 120 min: elastic
0.227745
0.212421
0.238771
0.142216
0.212722
Inefficiency
0.00
0.05
0.10
0.15
0.20
abr
bb2
bola
elastic
ra

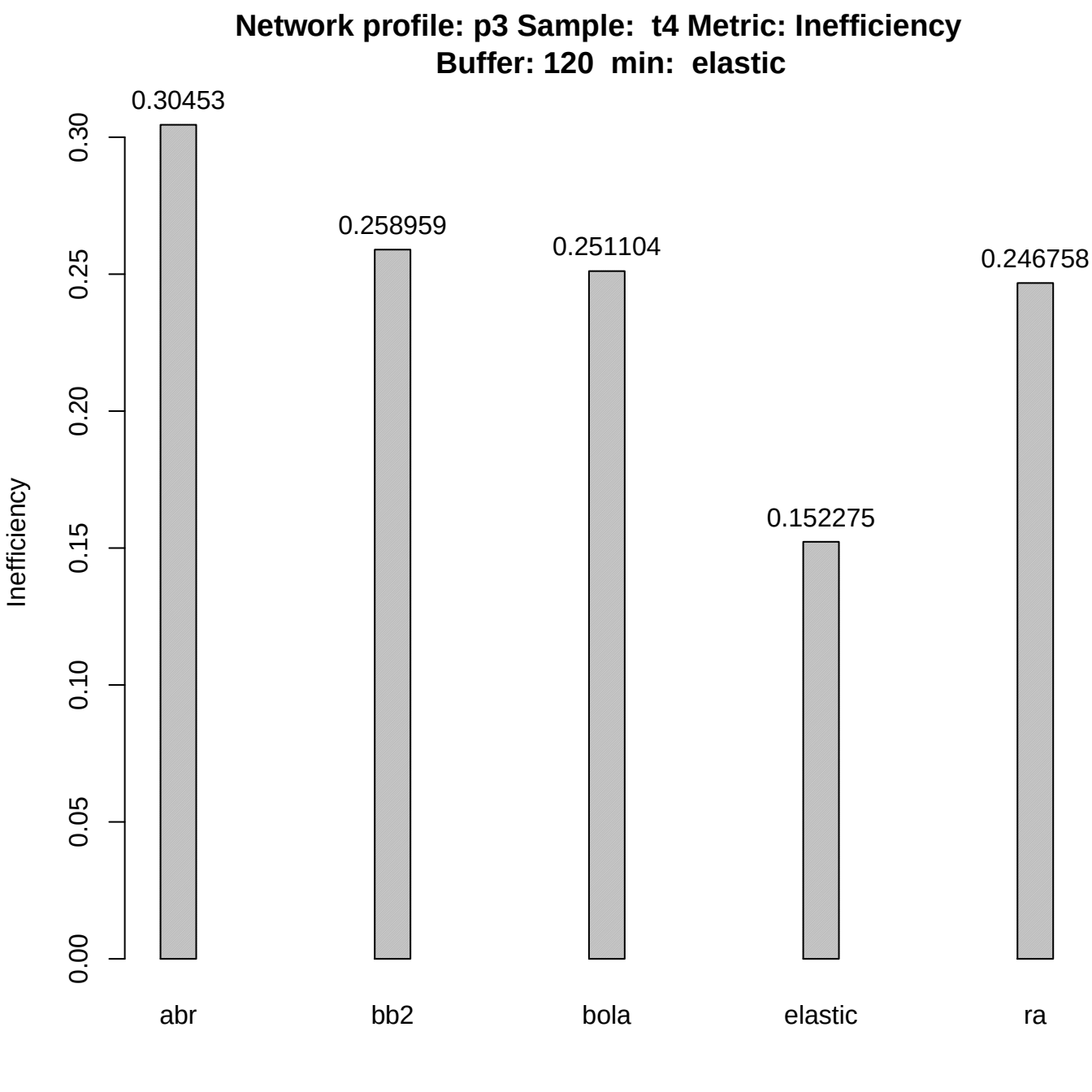

Network profile: p3 Sample: t2 Metric: # quality change
Buffer: 120 min: abr
Quality changes
0
5
10
15
20
25
30
4
23
5
31
10
abr
bb2
bola
elastic
ra

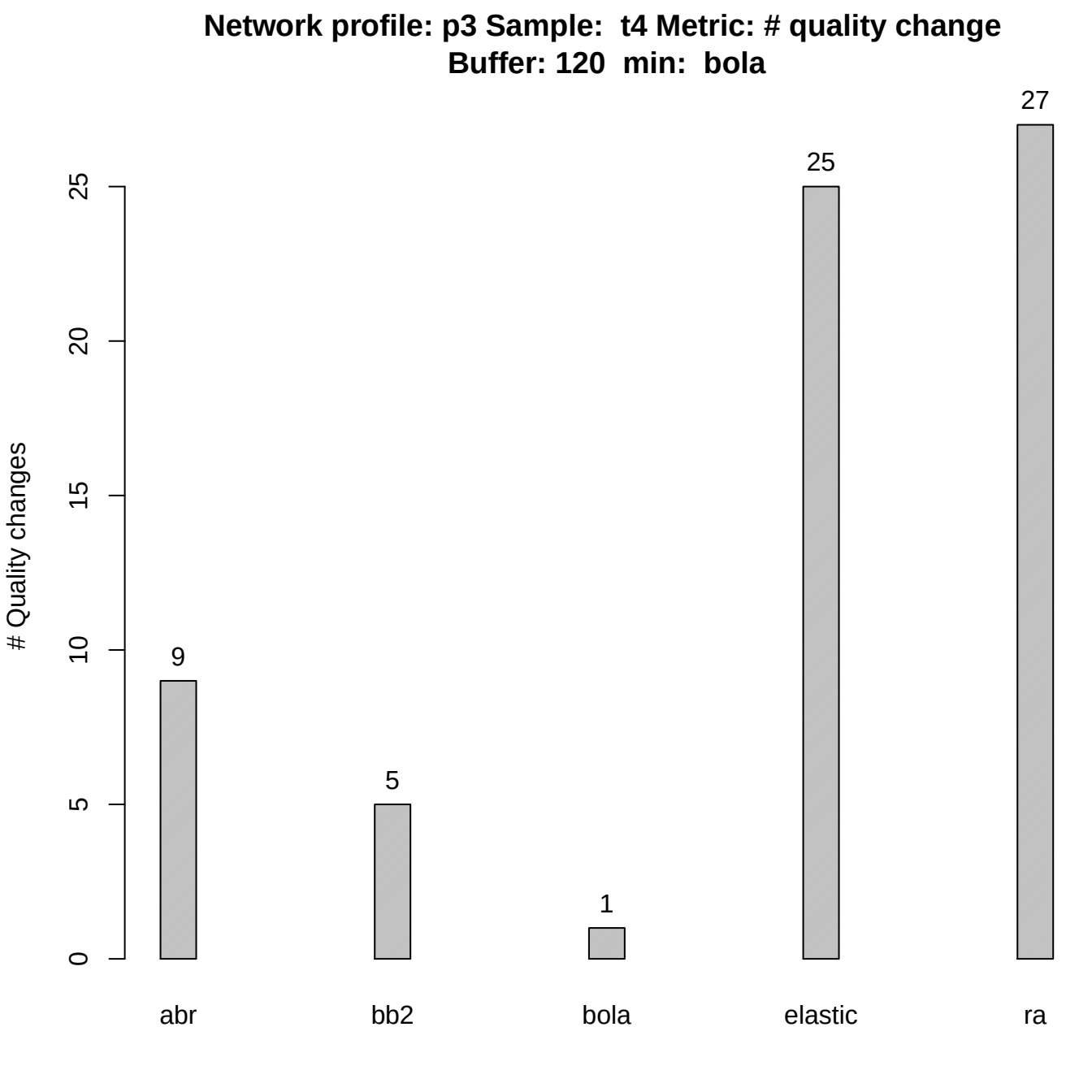

Network profile: p3 Sample: t3 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
1000
2000
3000
4000
1357.23
2142.82
1923.17
4032.45
2703.66
abr
bb2
bola
elastic
ra

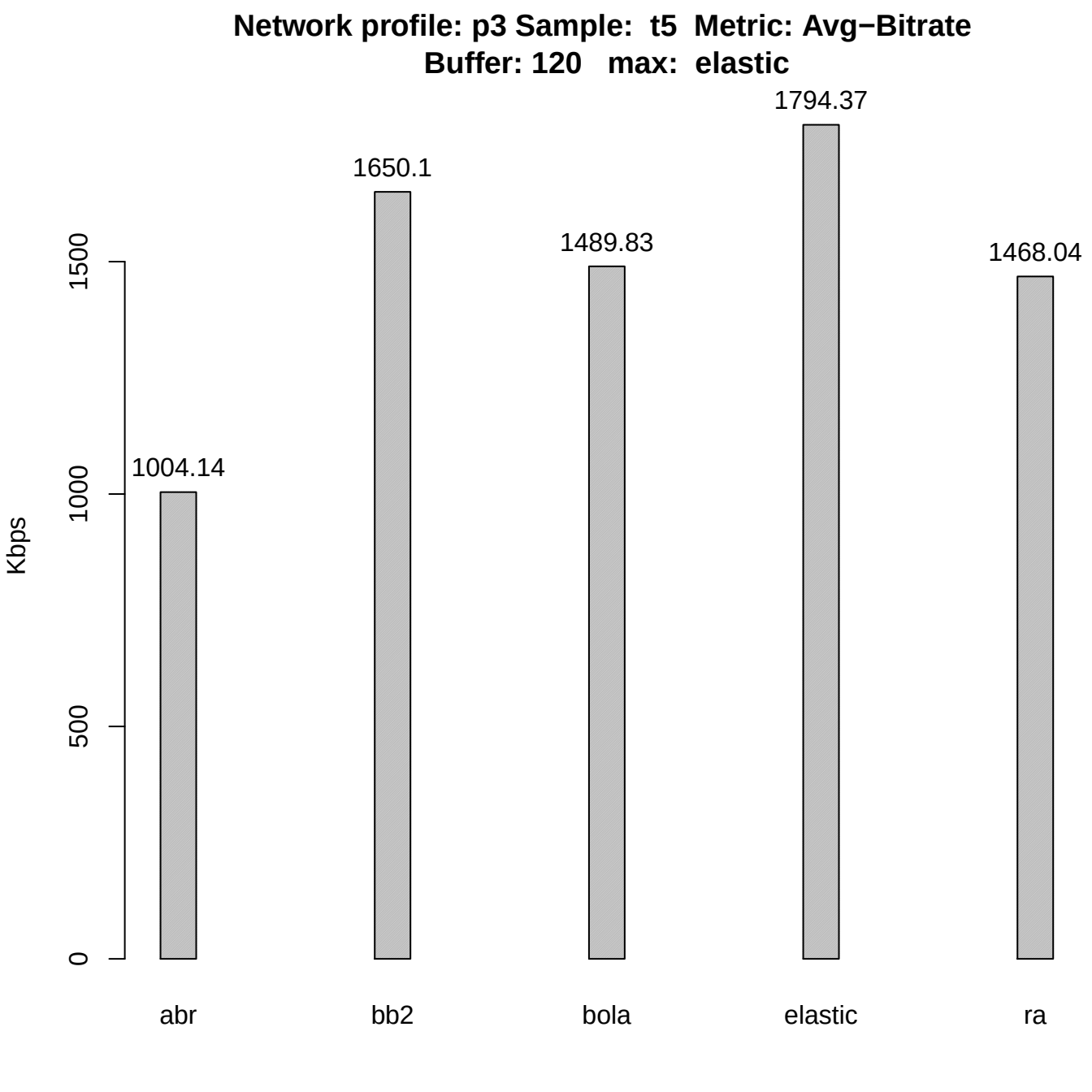

Network profile: p3 Sample: t3 Metric: Inefficiency
Buffer: 120 min: ra
Inefficiency
0.0
0.2
0.4
0.6
0.8
0.27696
0.249773
0.220537
0.927936
0.164671
abr
bb2
bola
elastic
ra

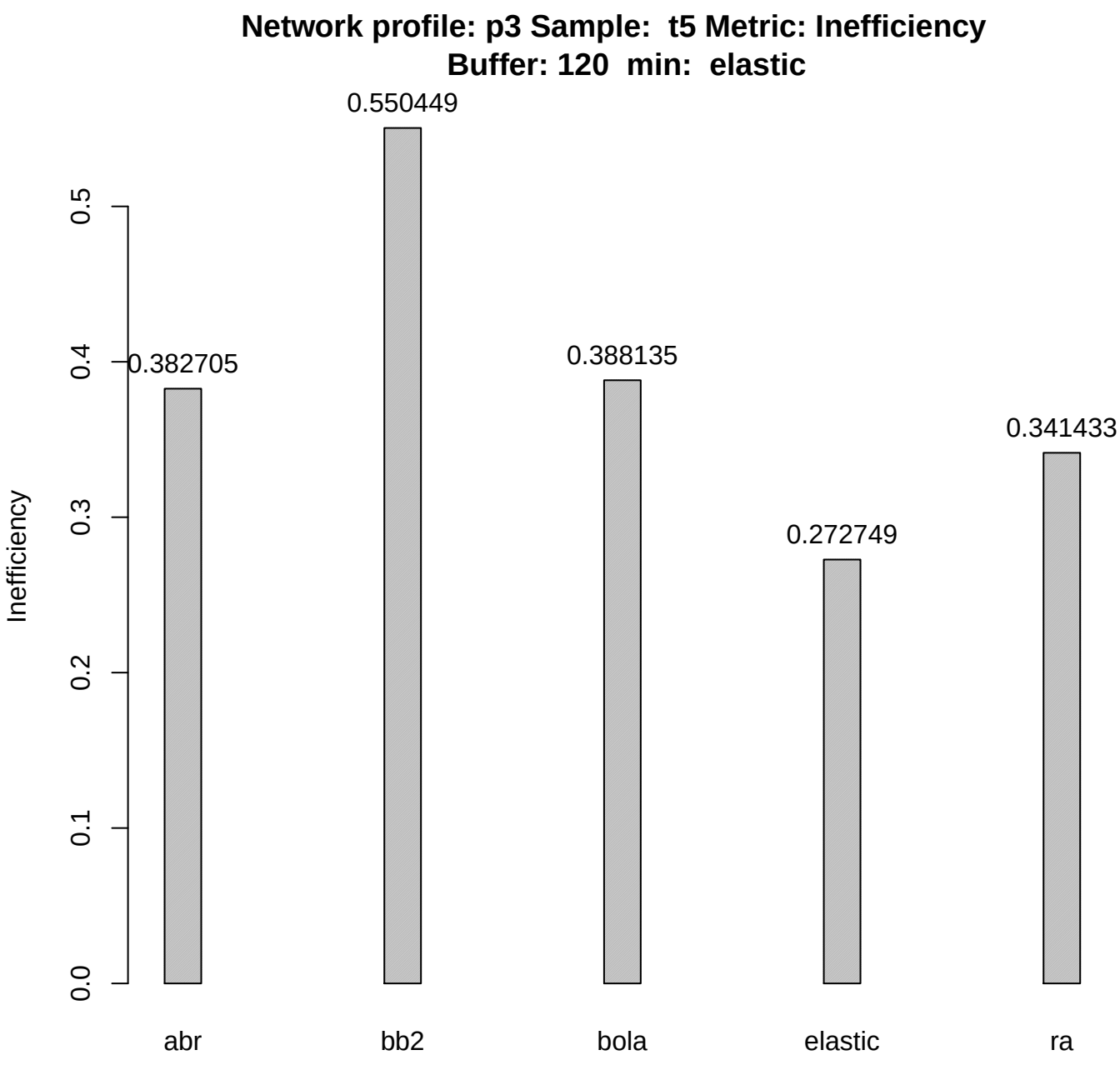

Network profile: p3 Sample: t3 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
5
10
15
20
25
30
32
7
1
2
28
abr
bb2
bola
elastic
ra

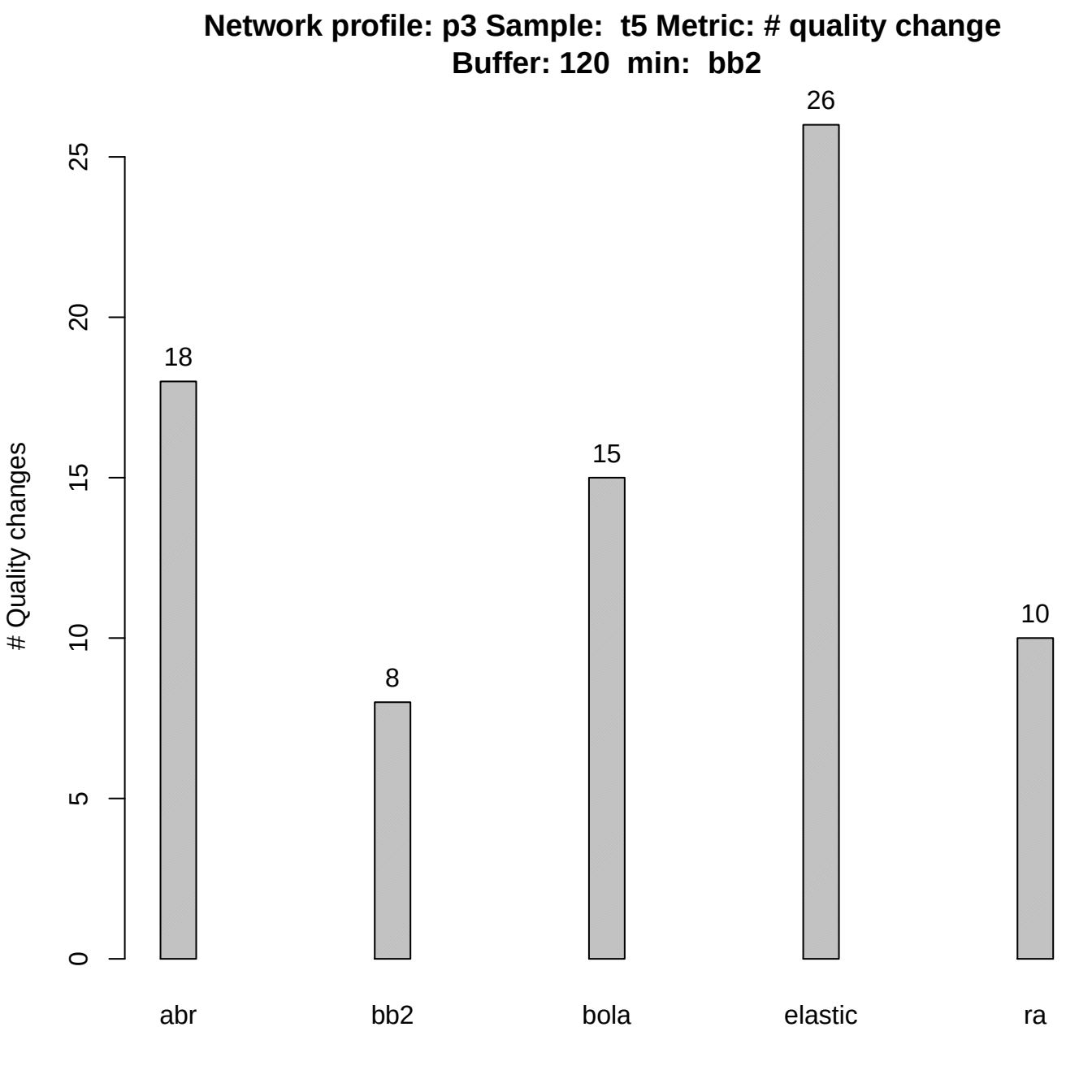

Network profile: p3 Sample: t4 Metric: Avg−Bitrate
Buffer: 120 max: ra
Kbps
0
500
1000
1500
2000
1401.75
2075.68
1744.98
2178.33
2233.53
abr
bb2
bola
elastic
ra

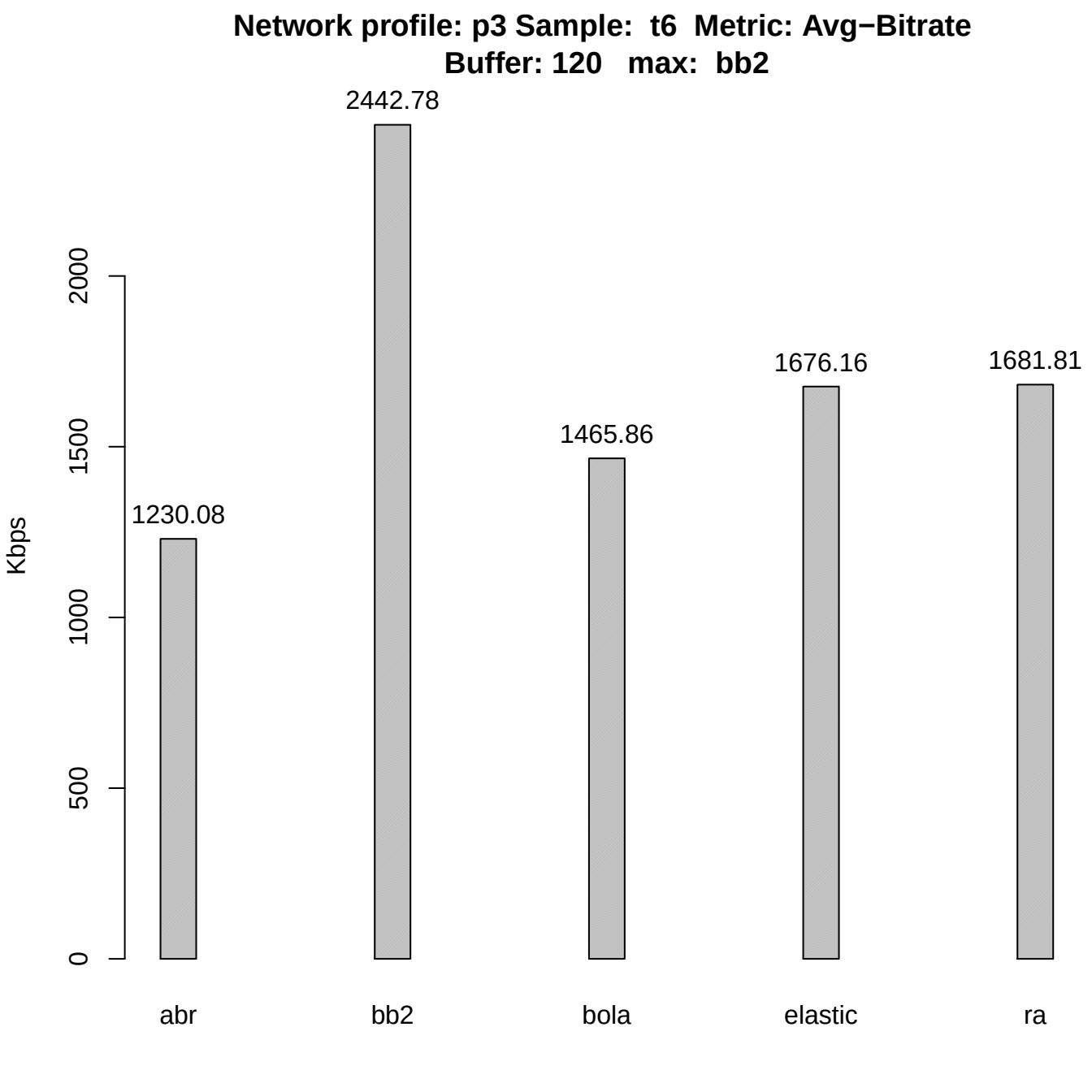

Network profile: p3 Sample: t4 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.30453
0.258959
0.251104
0.152275
0.246758
abr
bb2
bola
elastic
ra

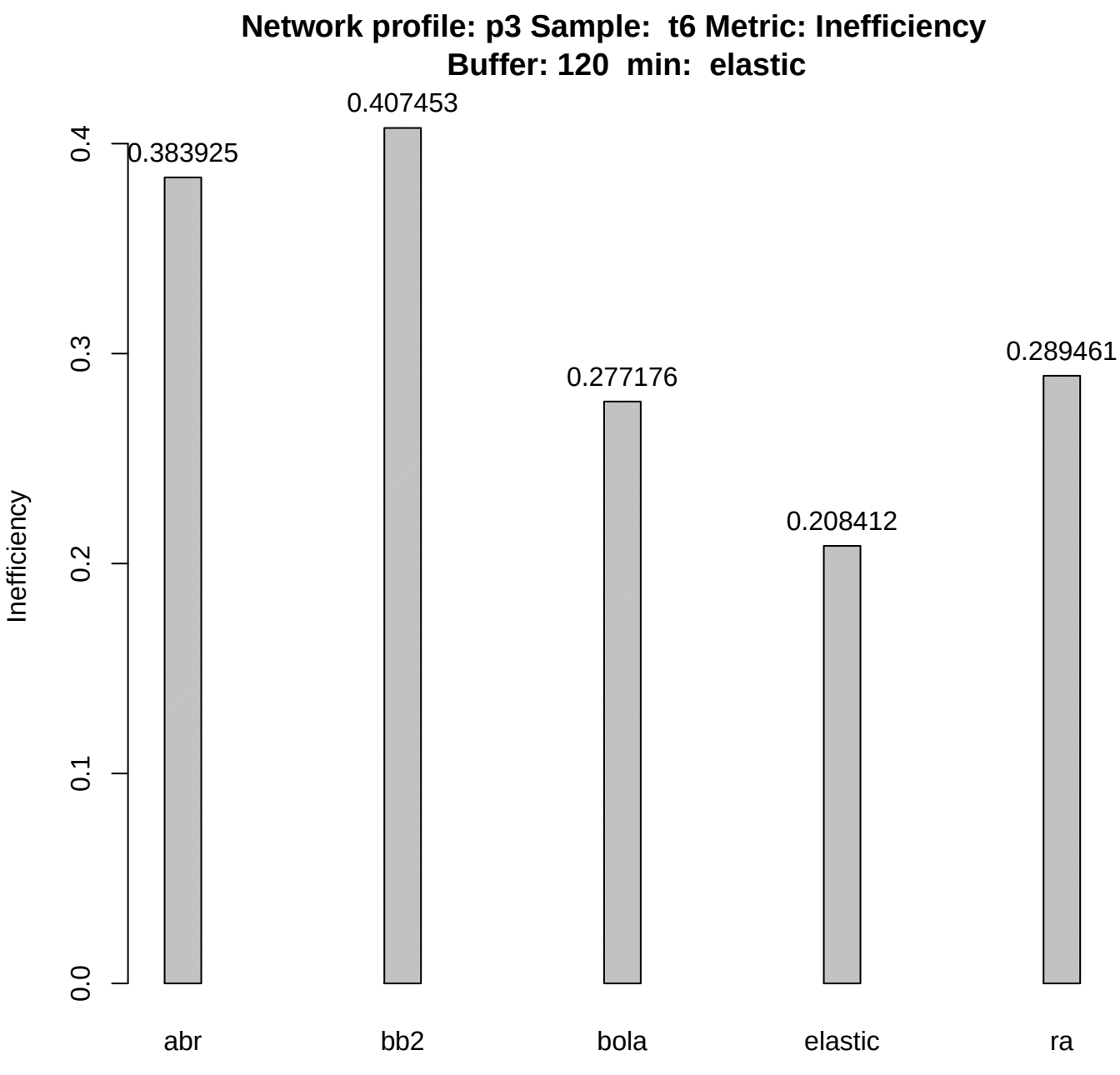

Network profile: p3 Sample: t4 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
5
10
15
20
25
9
5
1
25
27
abr
bb2
bola
elastic
ra

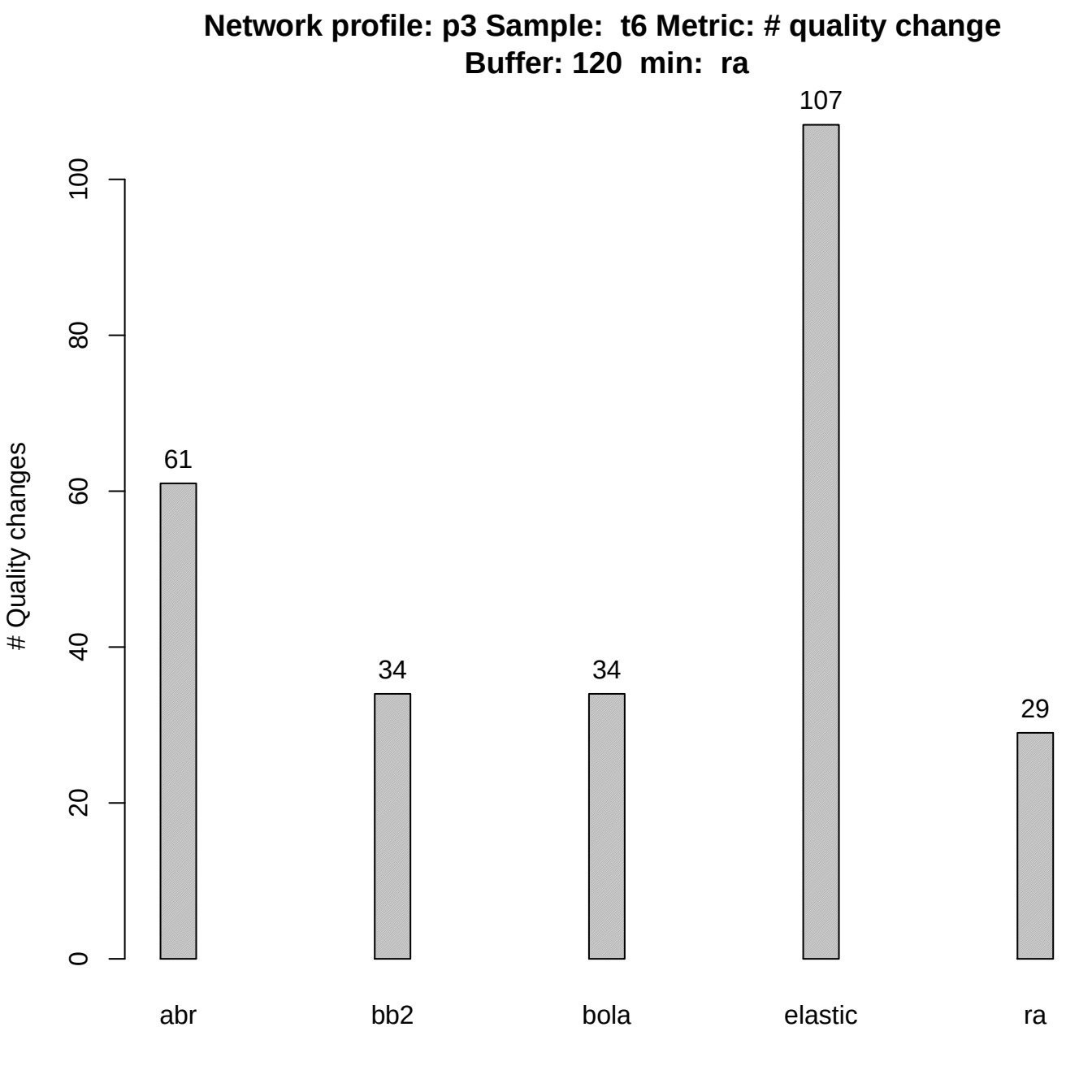

Network profile: p3 Sample: t5 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
500
1000
1500
1004.14
1650.1
1489.83
1794.37
1468.04
abr
bb2
bola
elastic
ra

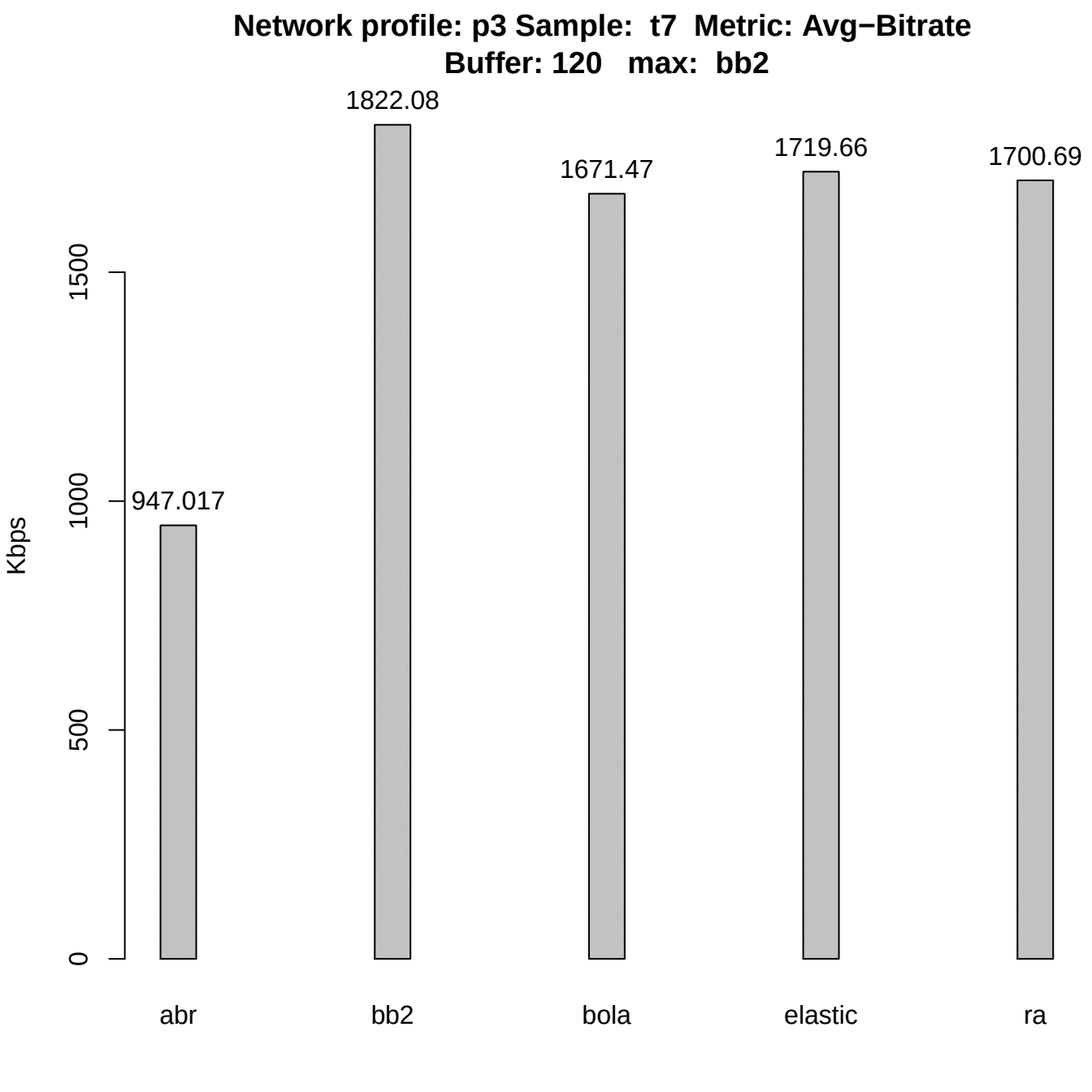

Network profile: p3 Sample: t5 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.382705
0.550449
0.388135
0.272749
0.341433
abr
bb2
bola
elastic
ra

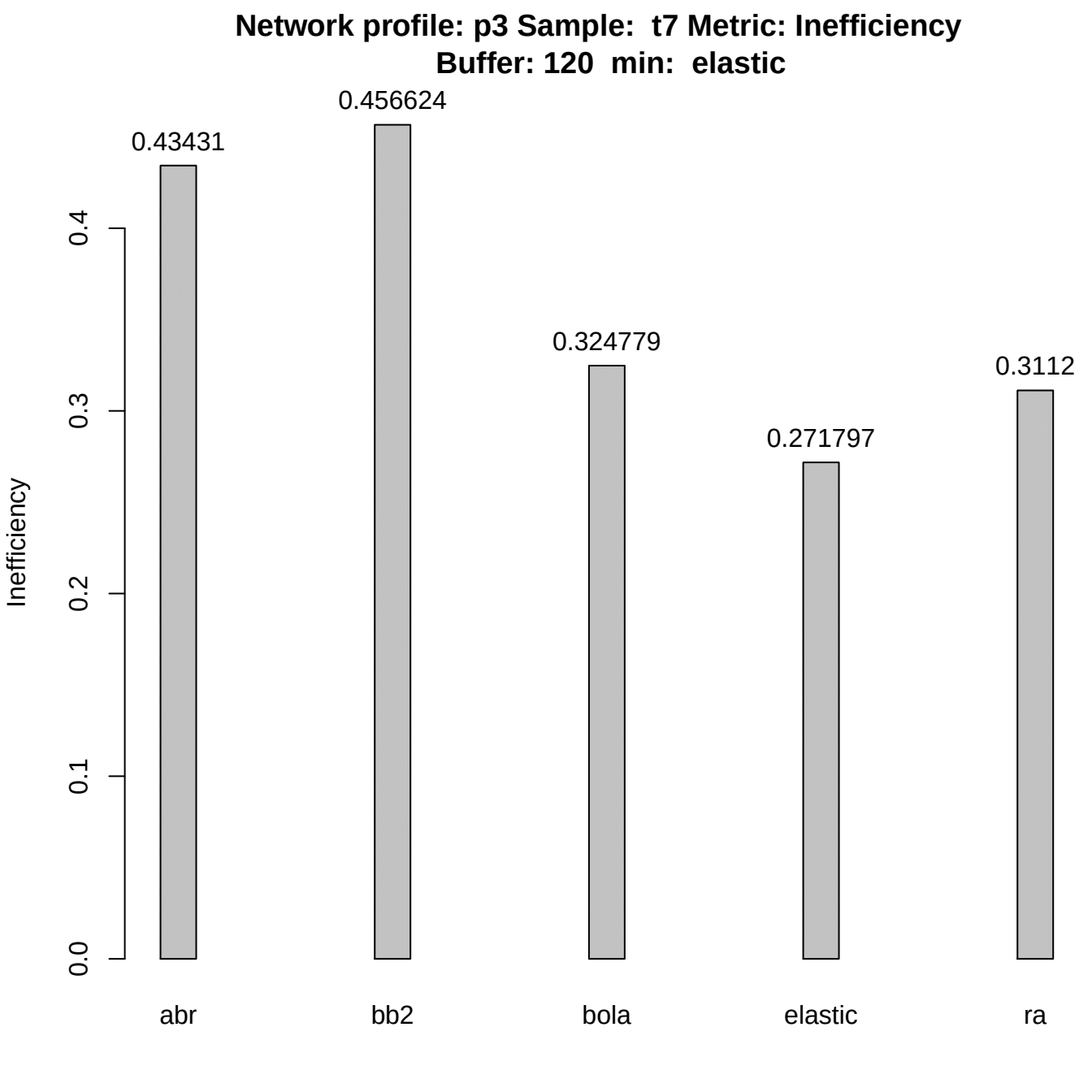

Network profile: p3 Sample: t5 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
5
10
15
20
25
18
8
15
26
10
abr
bb2
bola
elastic
ra

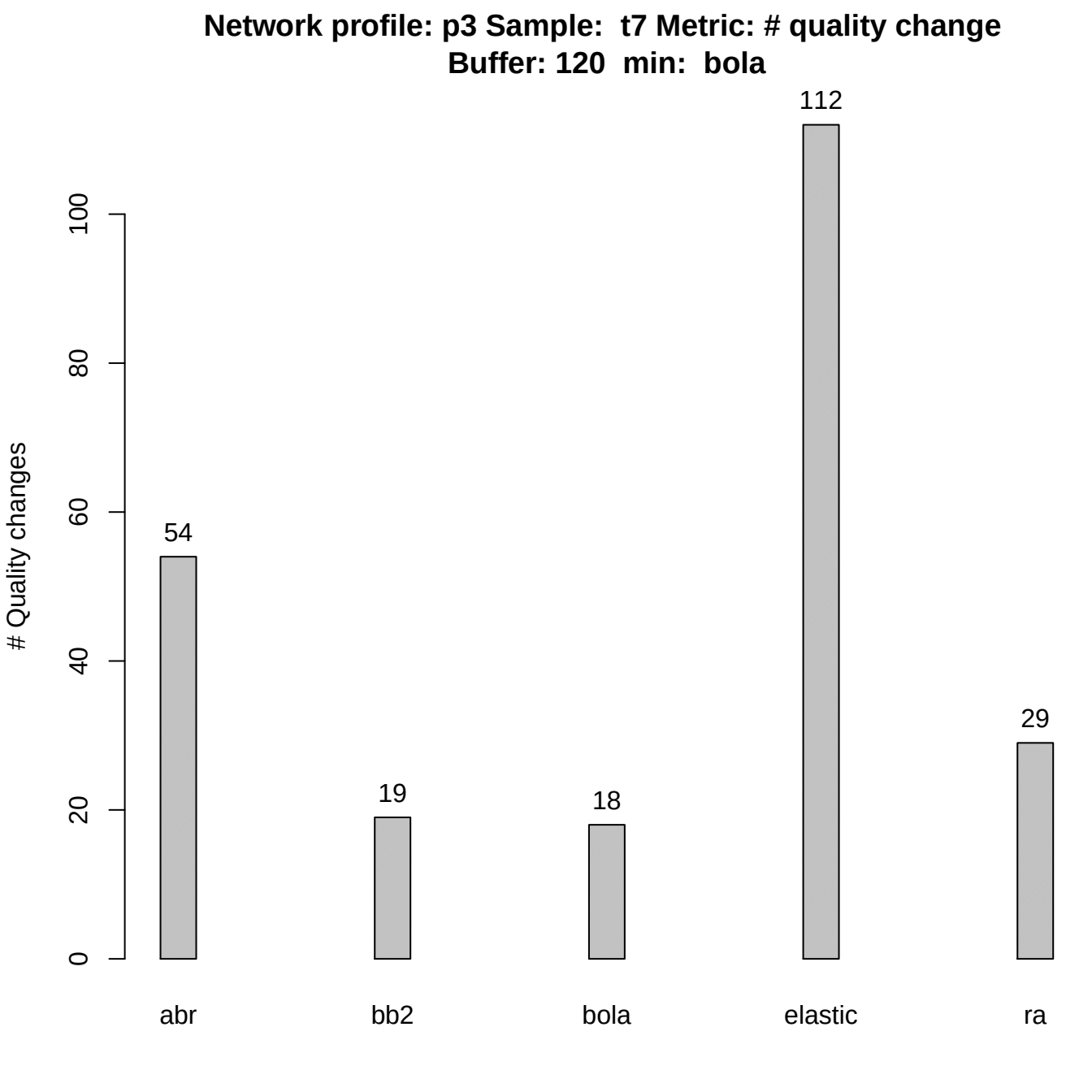

Network profile: p3 Sample: t6 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
2000
1230.08
2442.78
1465.86
1676.16
1681.81
abr
bb2
bola
elastic
ra

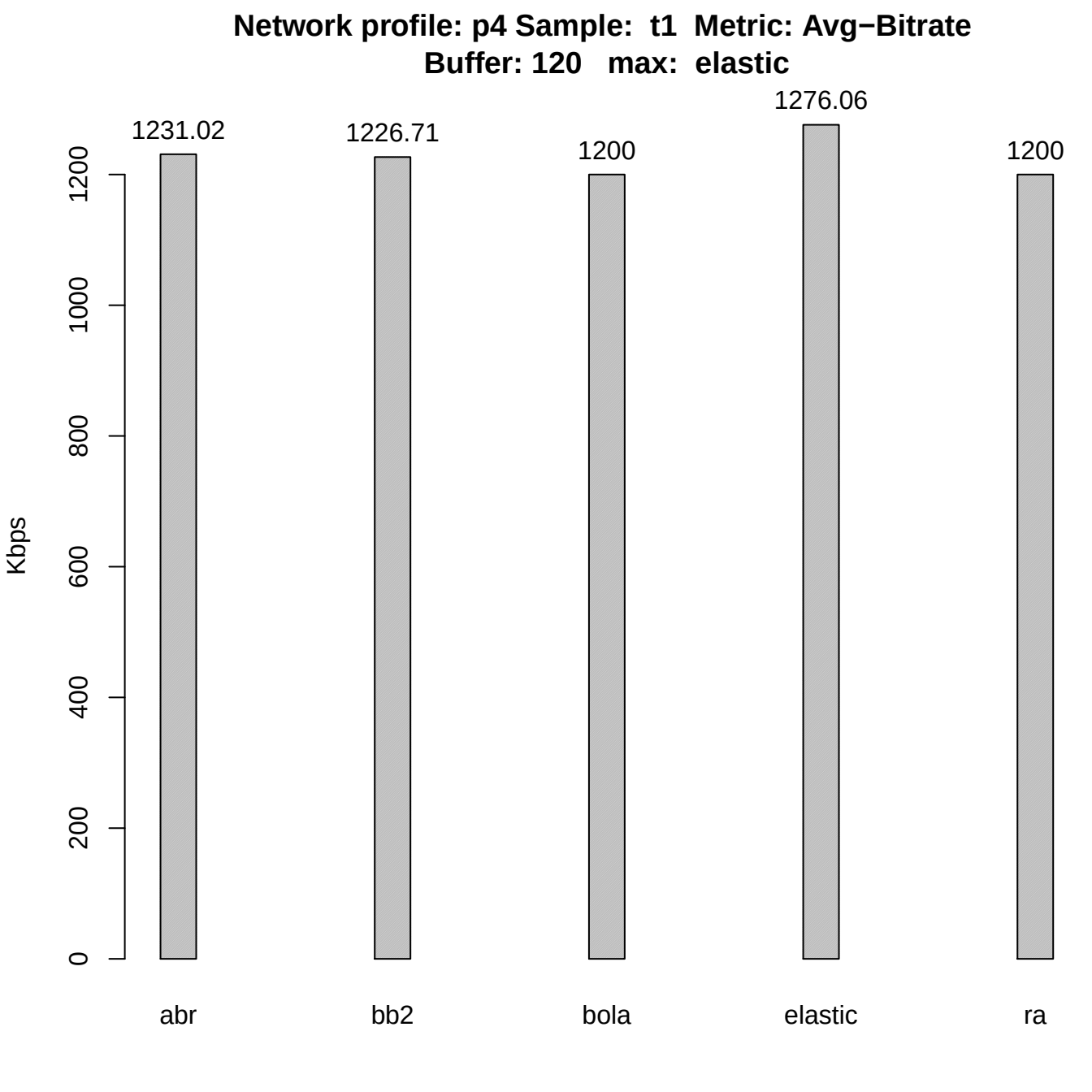

Network profile: p3 Sample: t6 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.383925
0.407453
0.277176
0.208412
0.289461
abr
bb2
bola
elastic
ra

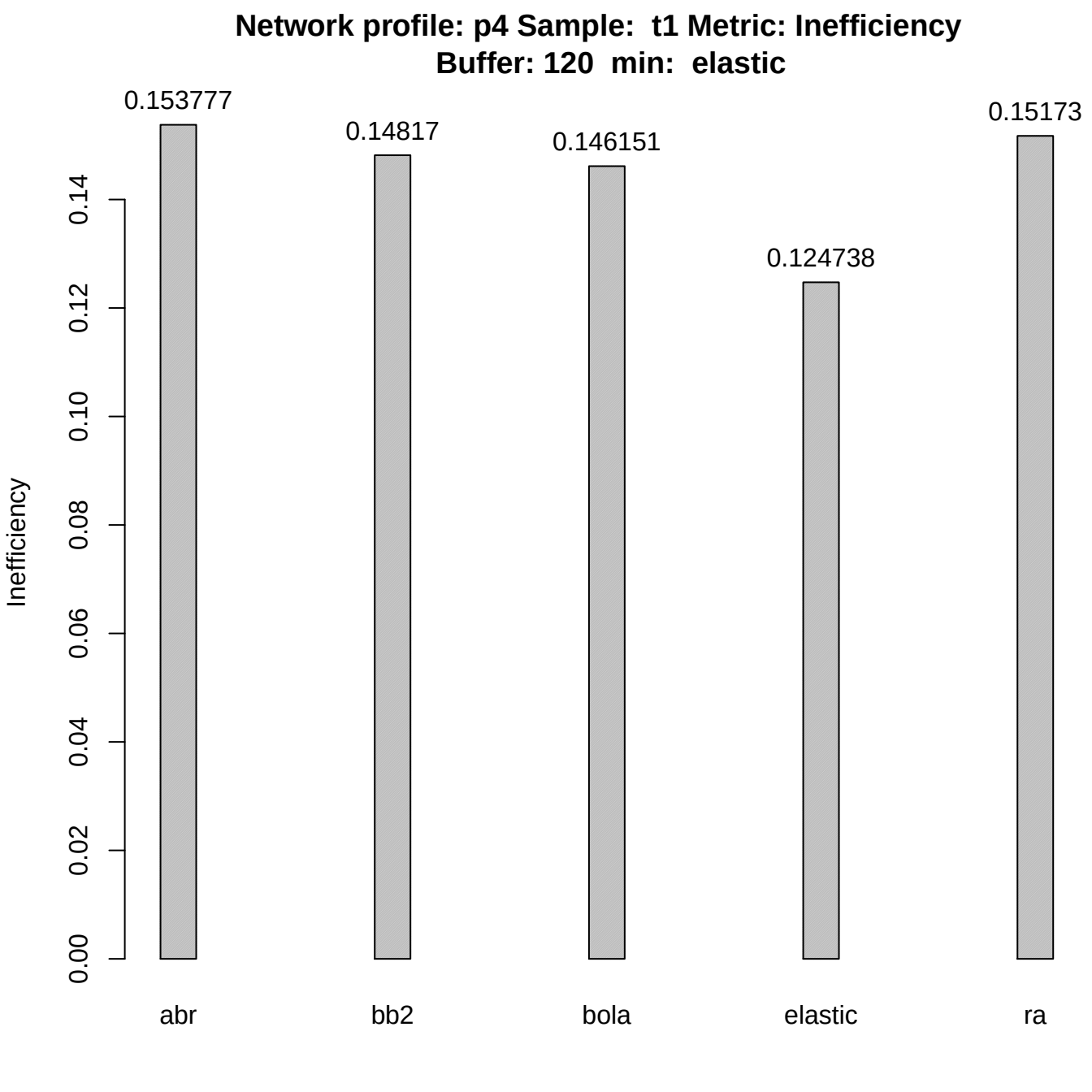

Network profile: p3 Sample: t6 Metric: # quality change
Buffer: 120 min: ra
Quality changes
0
20
40
60
80
100
61
34
34
107
29
abr
bb2
bola
elastic
ra

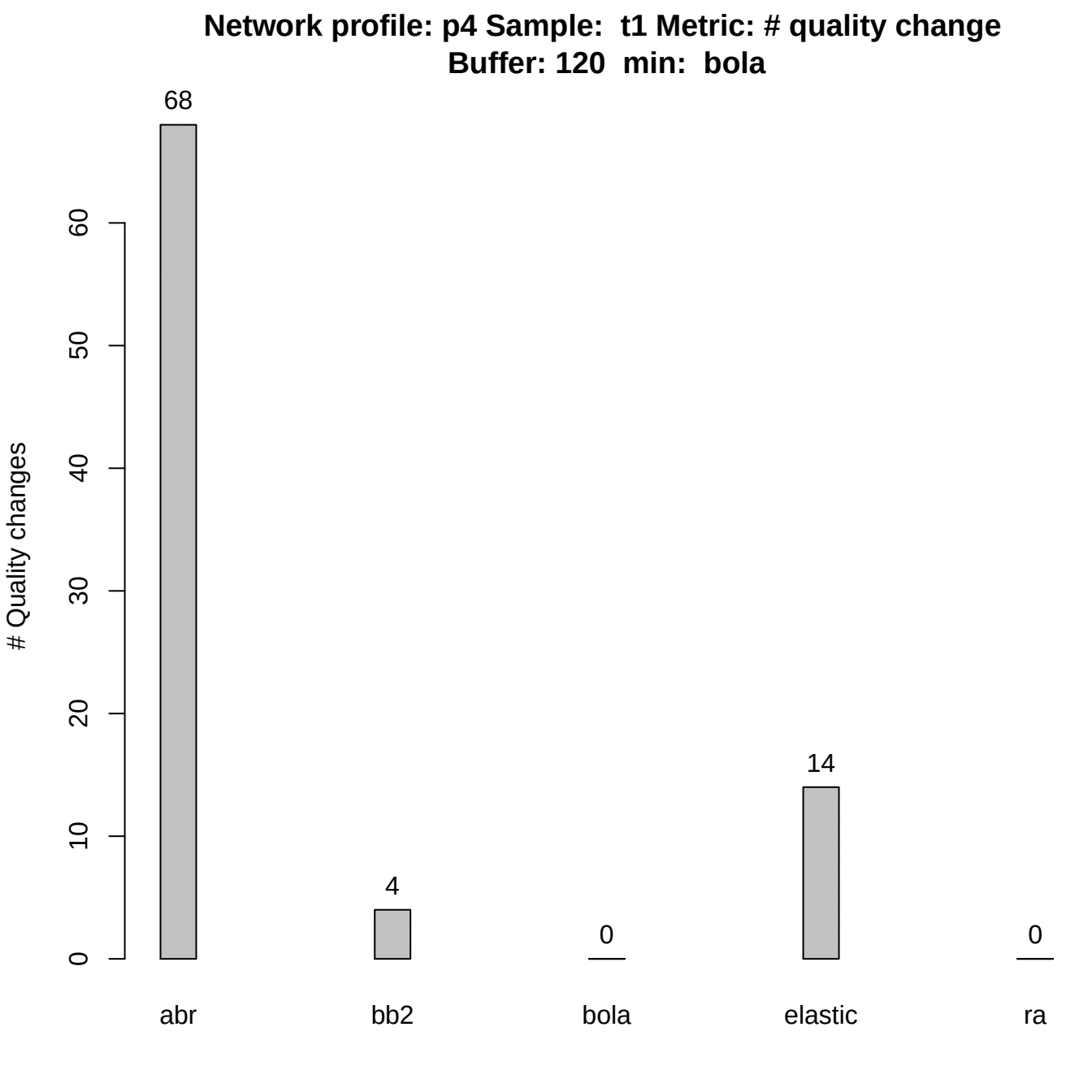

Network profile: p3 Sample: t7 Metric: Avg−Bitrate
Buffer: 120 max: bb2
Kbps
0
500
1000
1500
947.017
1822.08
1671.47
1719.66
1700.69
abr
bb2
bola
elastic
ra

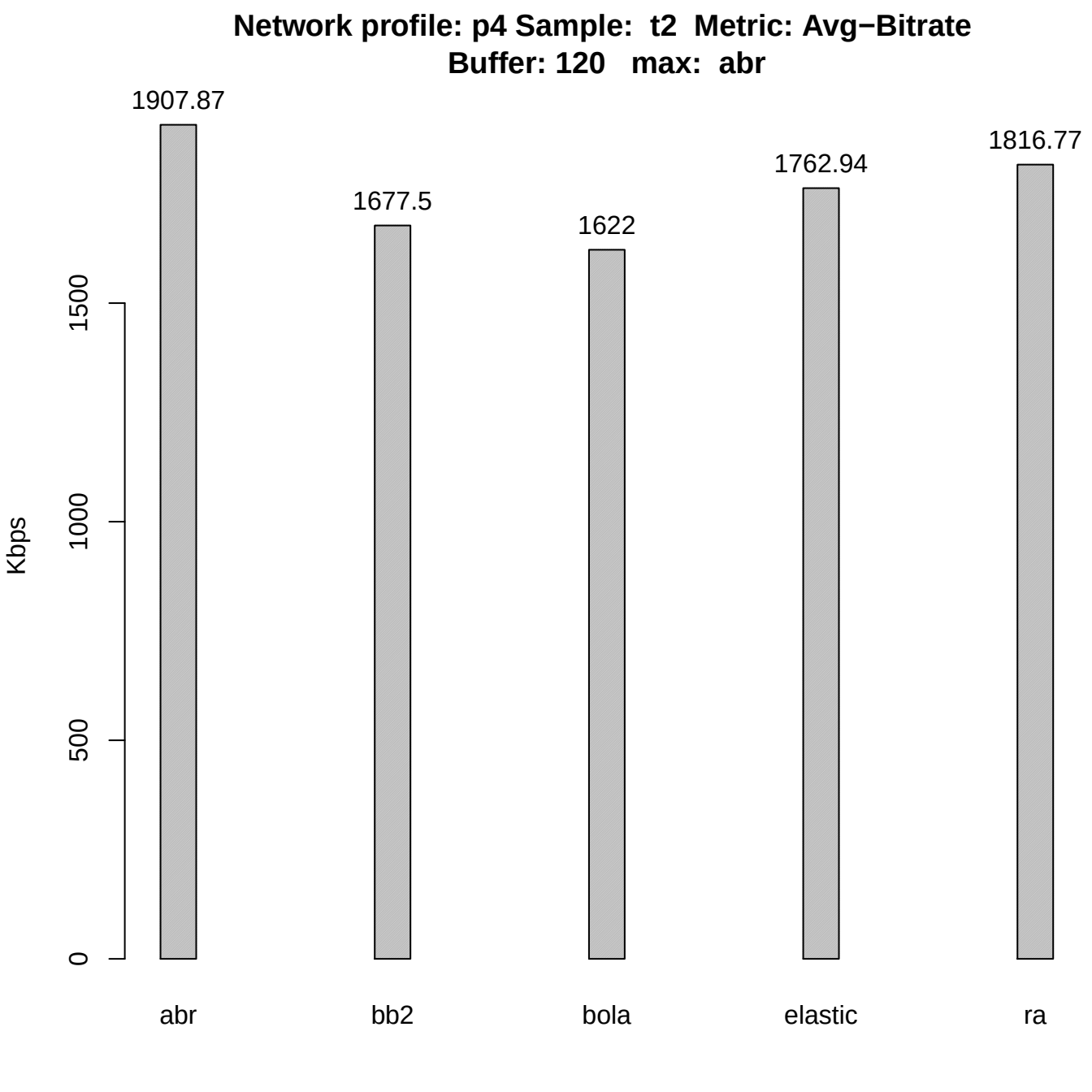

Network profile: p3 Sample: t7 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.43431
0.456624
0.324779
0.271797
0.3112
abr
bb2
bola
elastic
ra

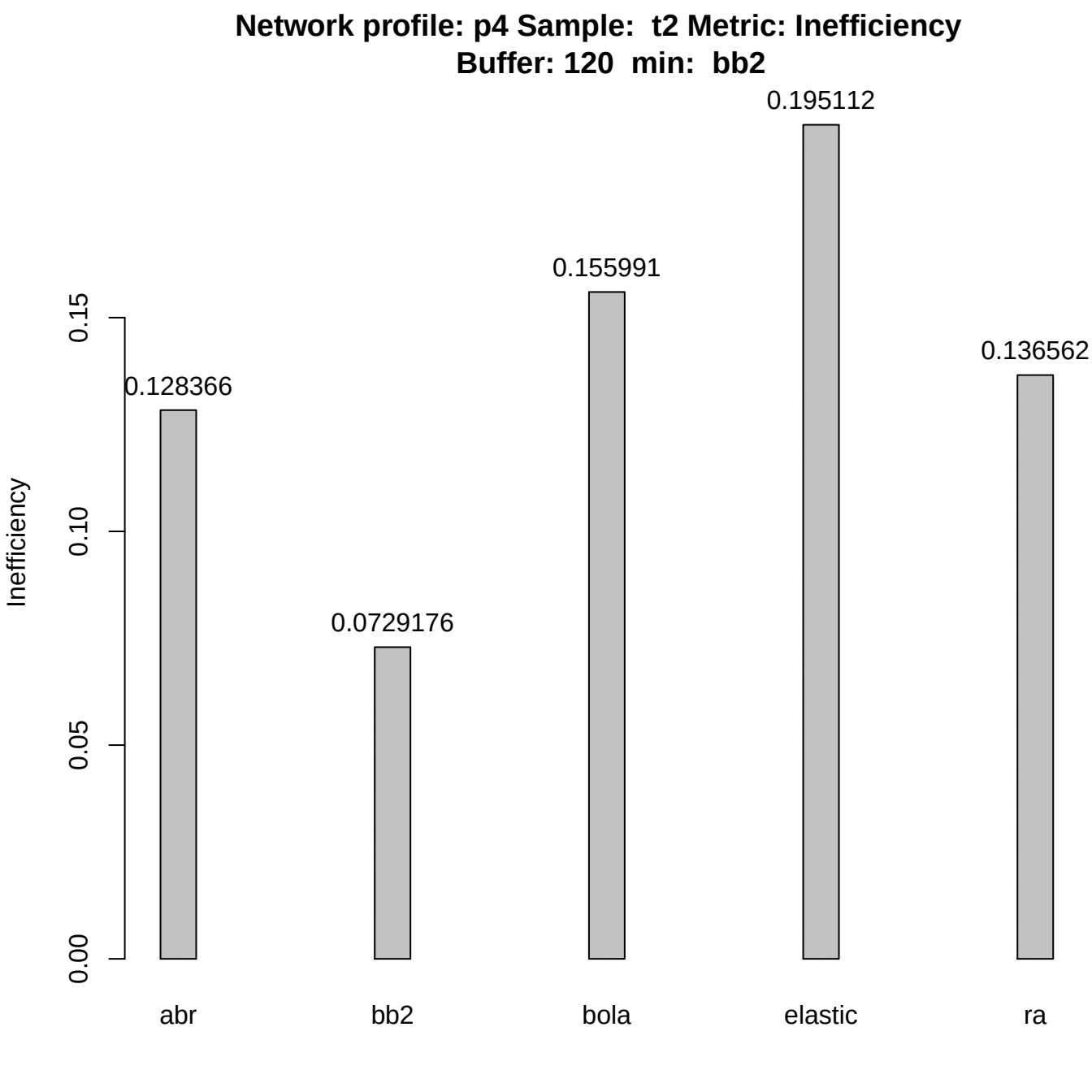

Network profile: p3 Sample: t7 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
20
40
60
80
100
54
19
18
112
29
abr
bb2
bola
elastic
ra

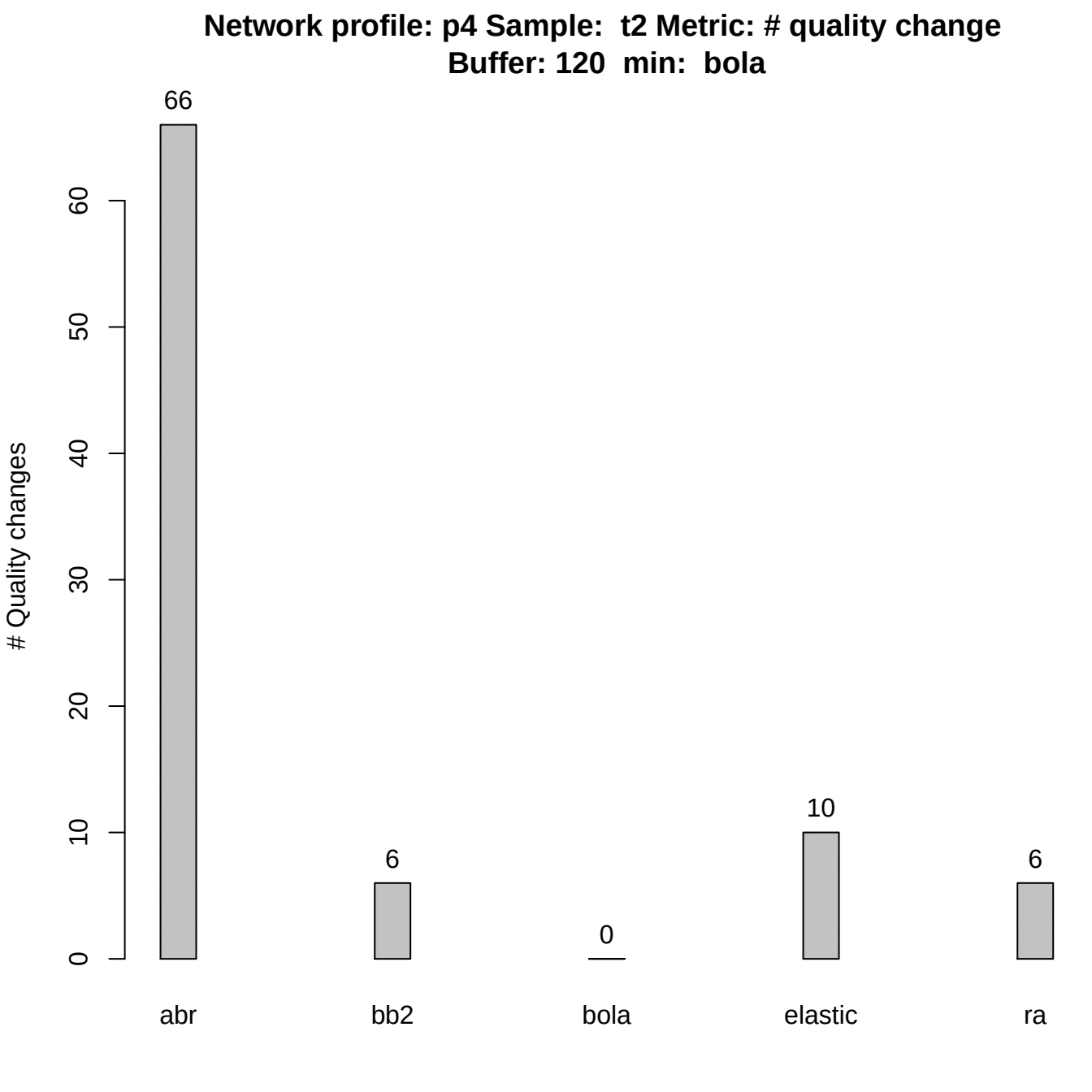

Network profile: p4 Sample: t1 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
200
400
600
800
1000
1200
1231.02
1226.71
1200
1276.06
1200
abr
bb2
bola
elastic
ra

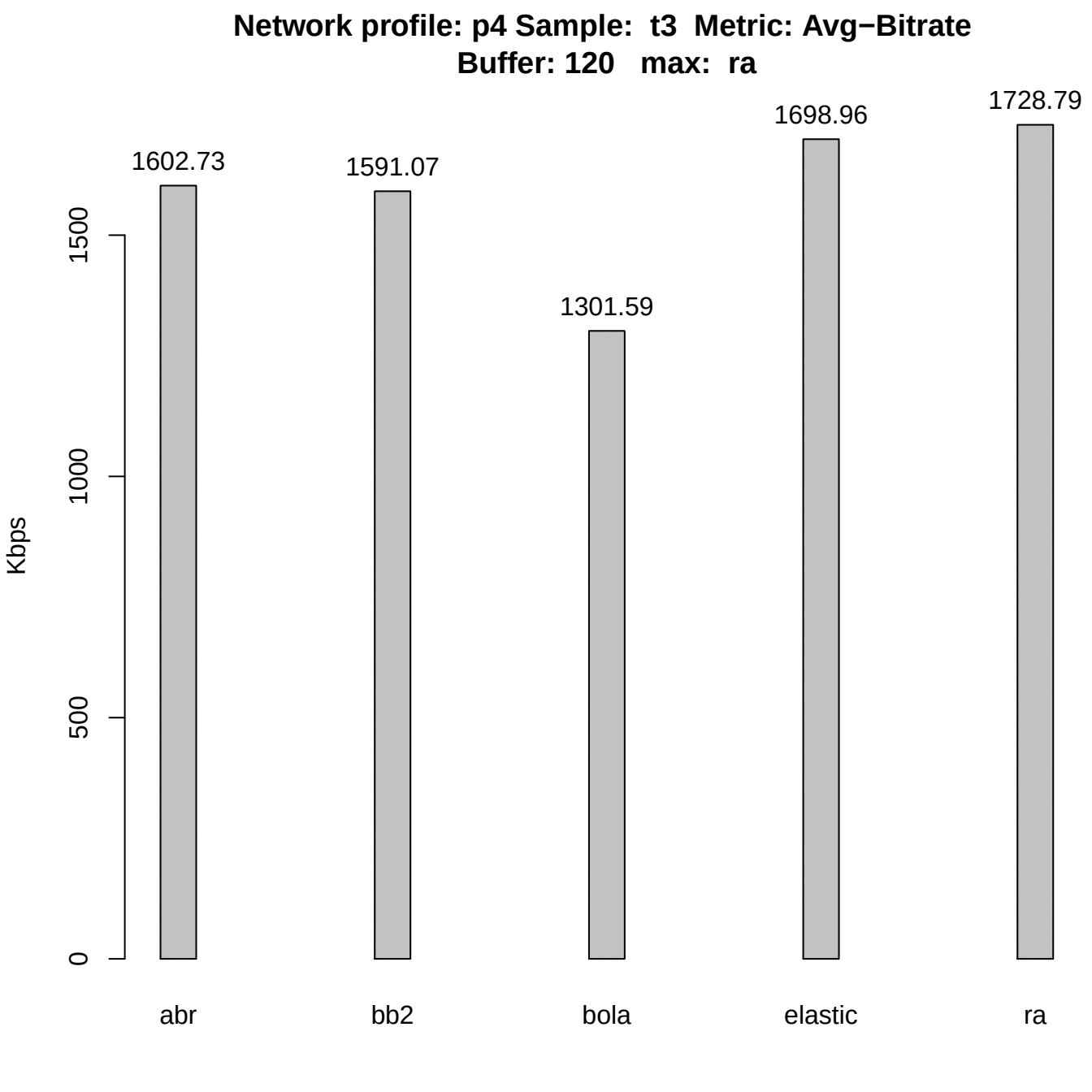

Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 120 min: elastic
0.153777
0.14817
0.146151
0.124738
0.15173
Inefficiency
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
abr
bb2
bola
elastic
ra

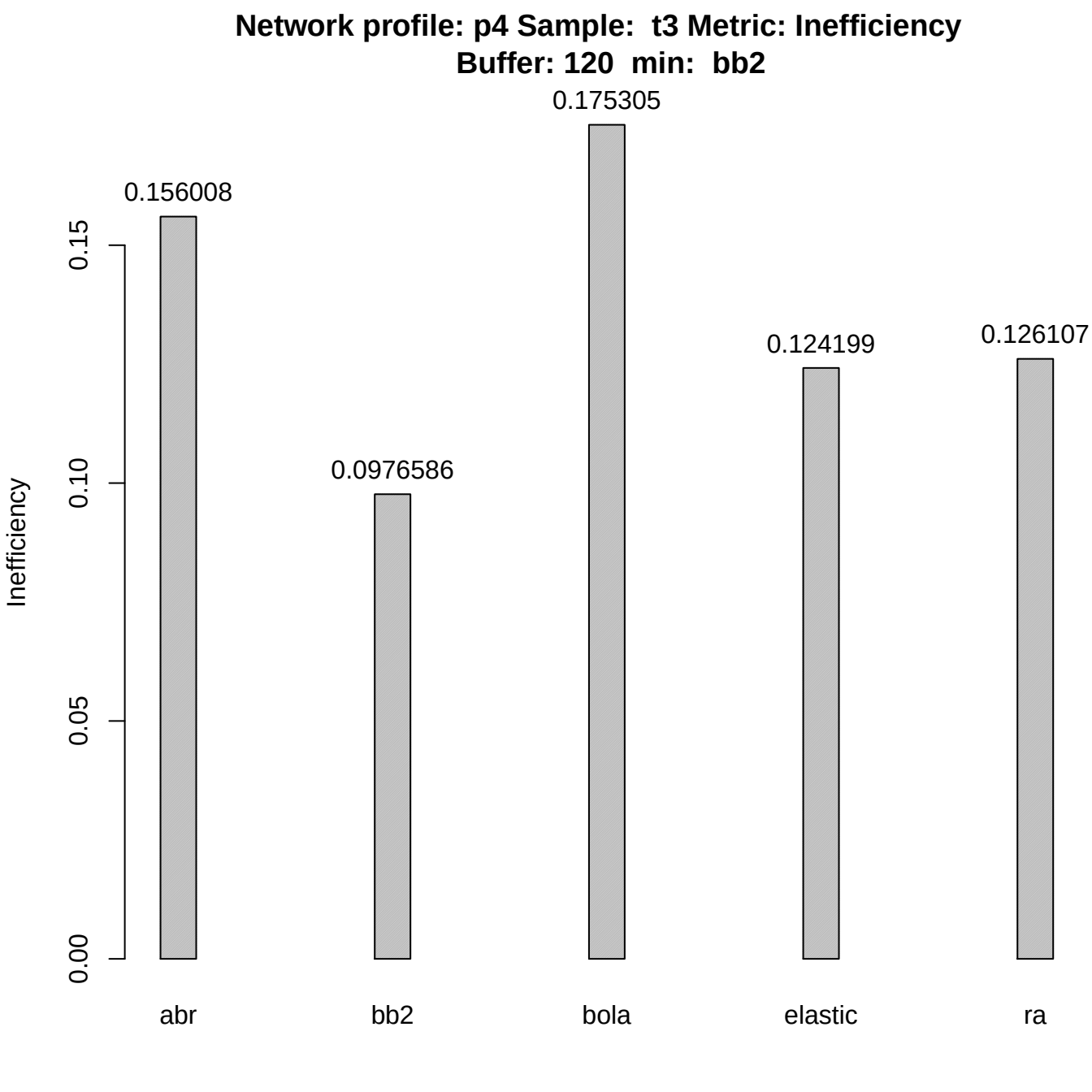

Network profile: p4 Sample: t1 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
60
68
4
0
14
0
abr
bb2
bola
elastic
ra

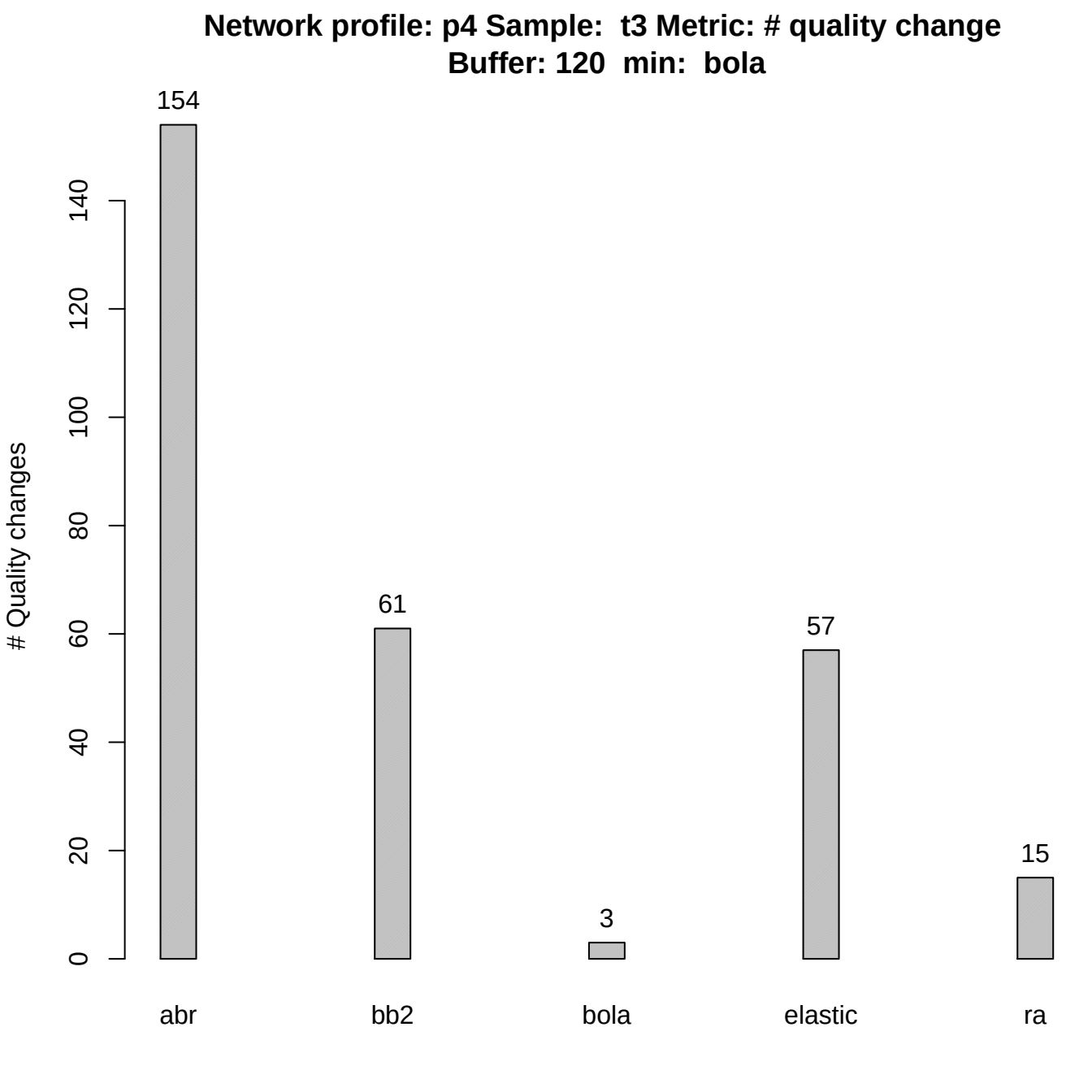

Network profile: p4 Sample: t2 Metric: Avg−Bitrate
Buffer: 120 max: abr
1907.87
1677.5
1622
1762.94
1816.77
Kbps
0
500
1000
1500
abr
bb2
bola
elastic
ra

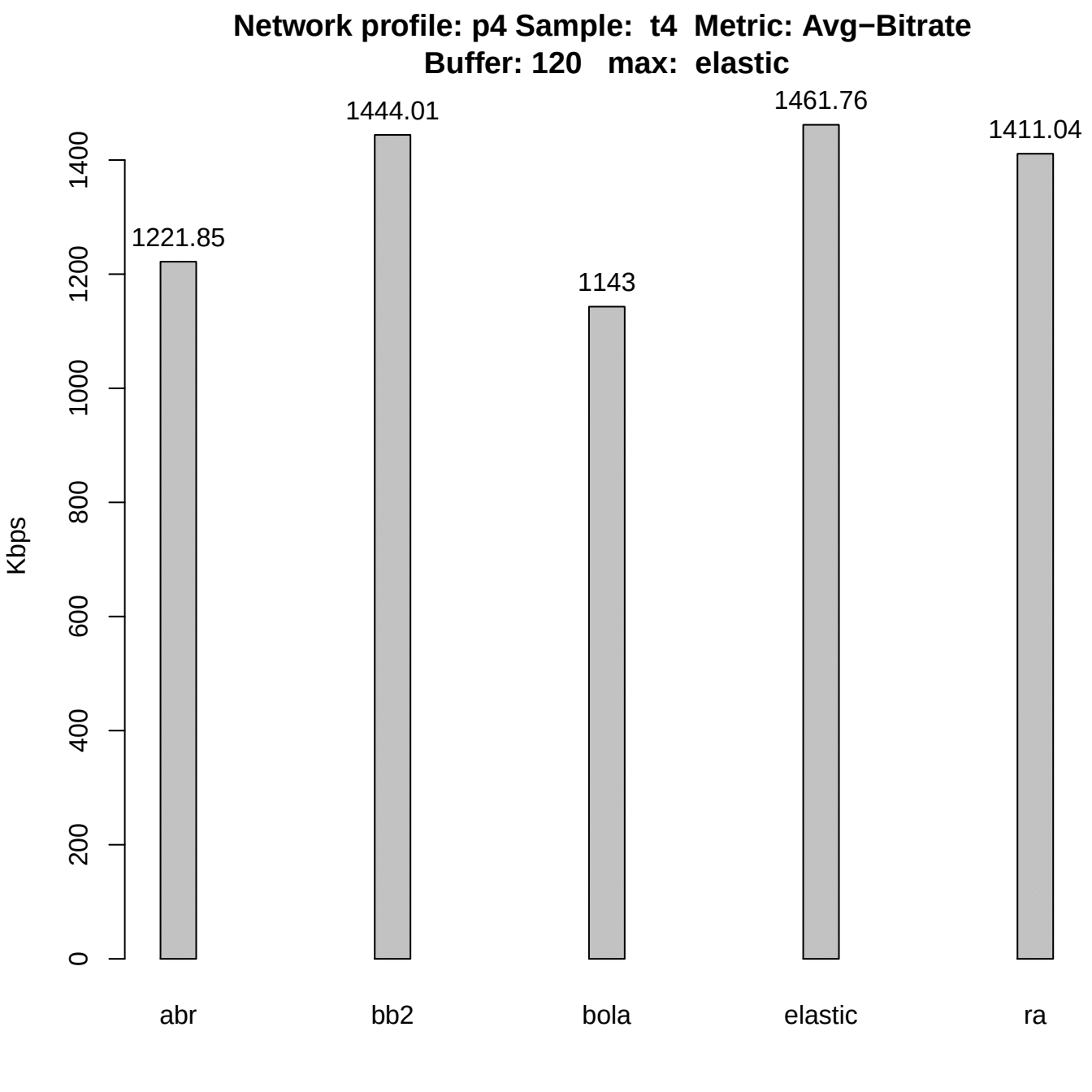

Network profile: p4 Sample: t2 Metric: Inefficiency
Buffer: 120 min: bb2
Inefficiency
0.00
0.05
0.10
0.15
0.128366
0.0729176
0.155991
0.195112
0.136562
abr
bb2
bola
elastic
ra

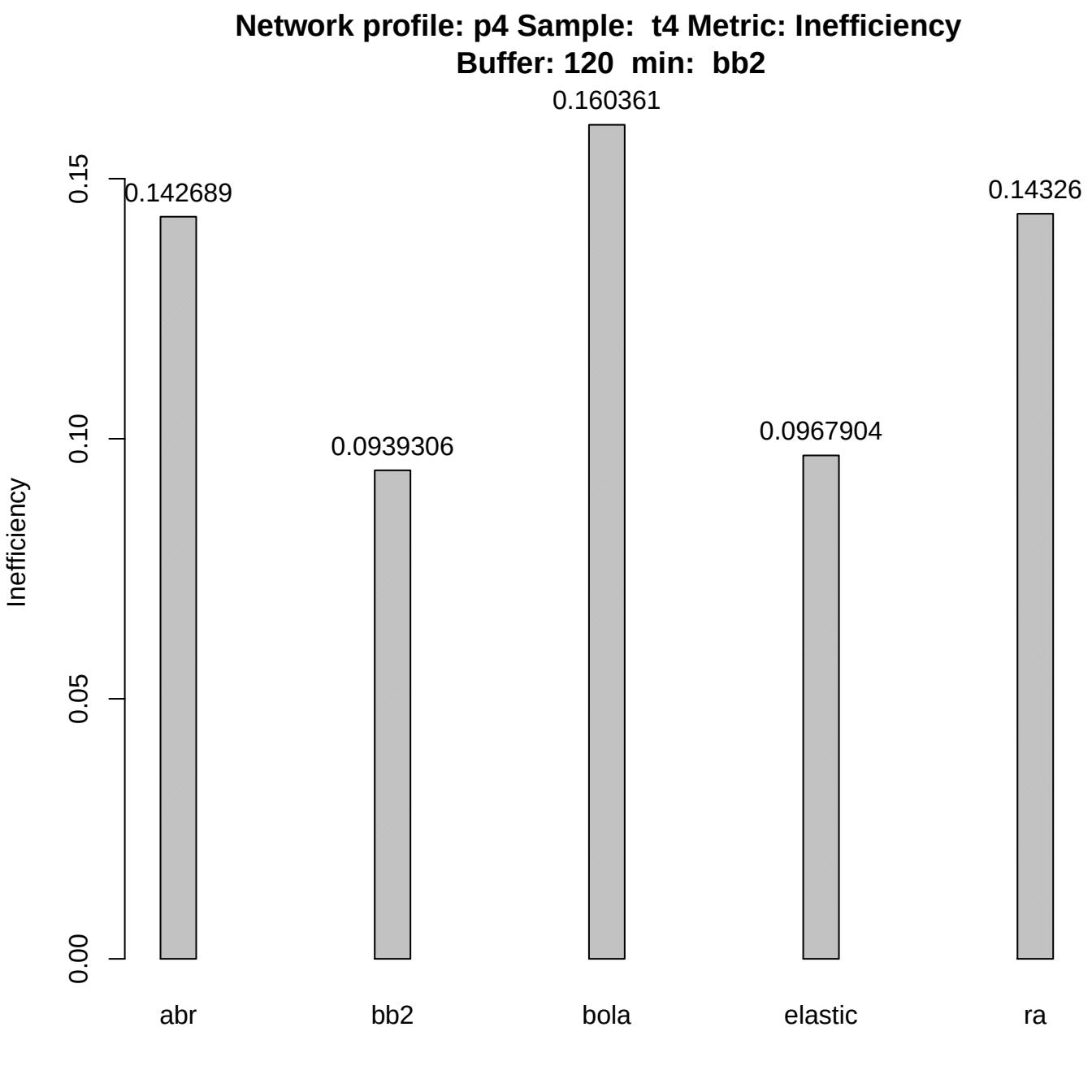

Network profile: p4 Sample: t2 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
10
20
30
40
50
60
66
6
0
10
6
abr
bb2
bola
elastic
ra

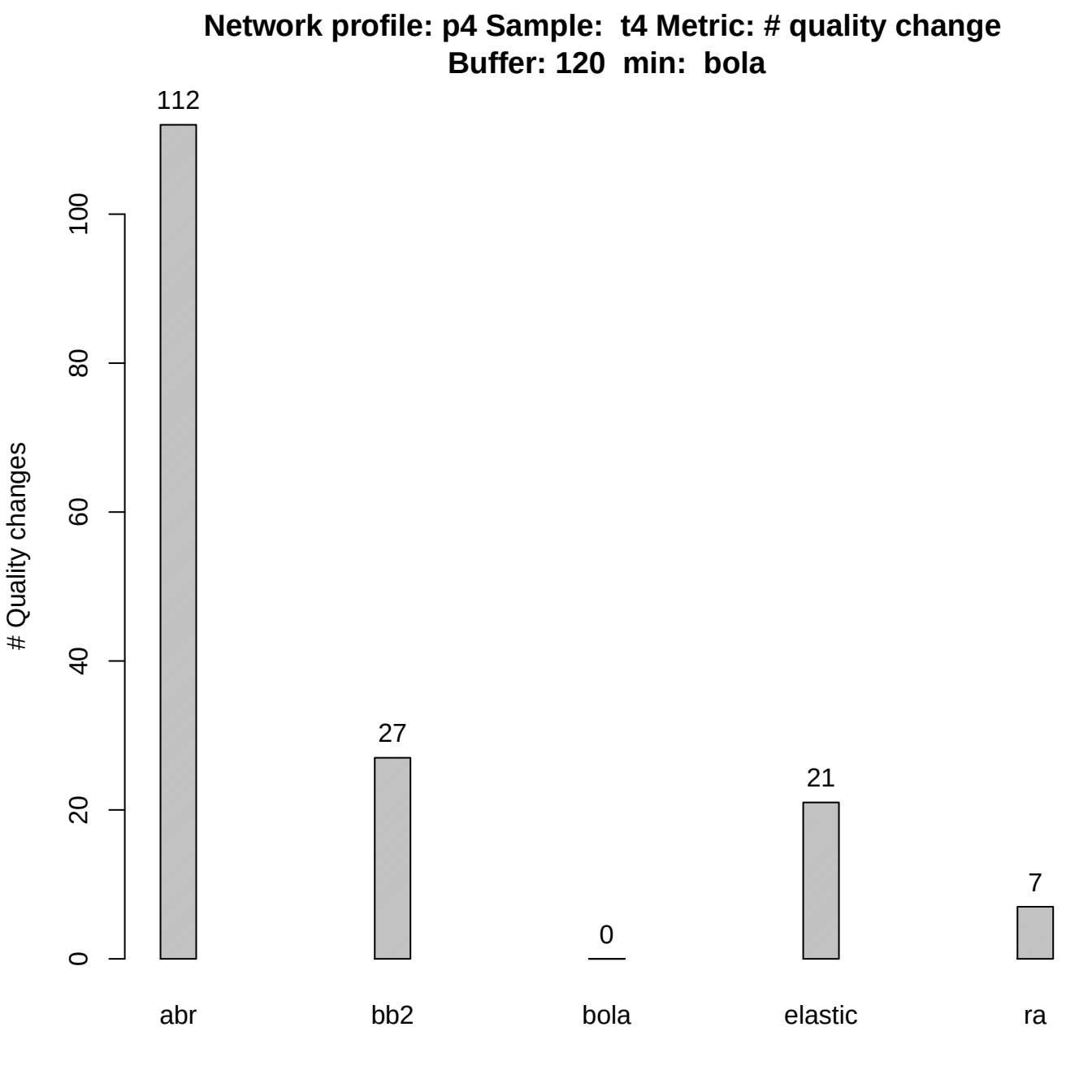

Network profile: p4 Sample: t3 Metric: Avg−Bitrate
Buffer: 120 max: ra
1602.73
1591.07
1301.59
1698.96
1728.79
Kbps
0
500
1000
1500
abr
bb2
bola
elastic
ra

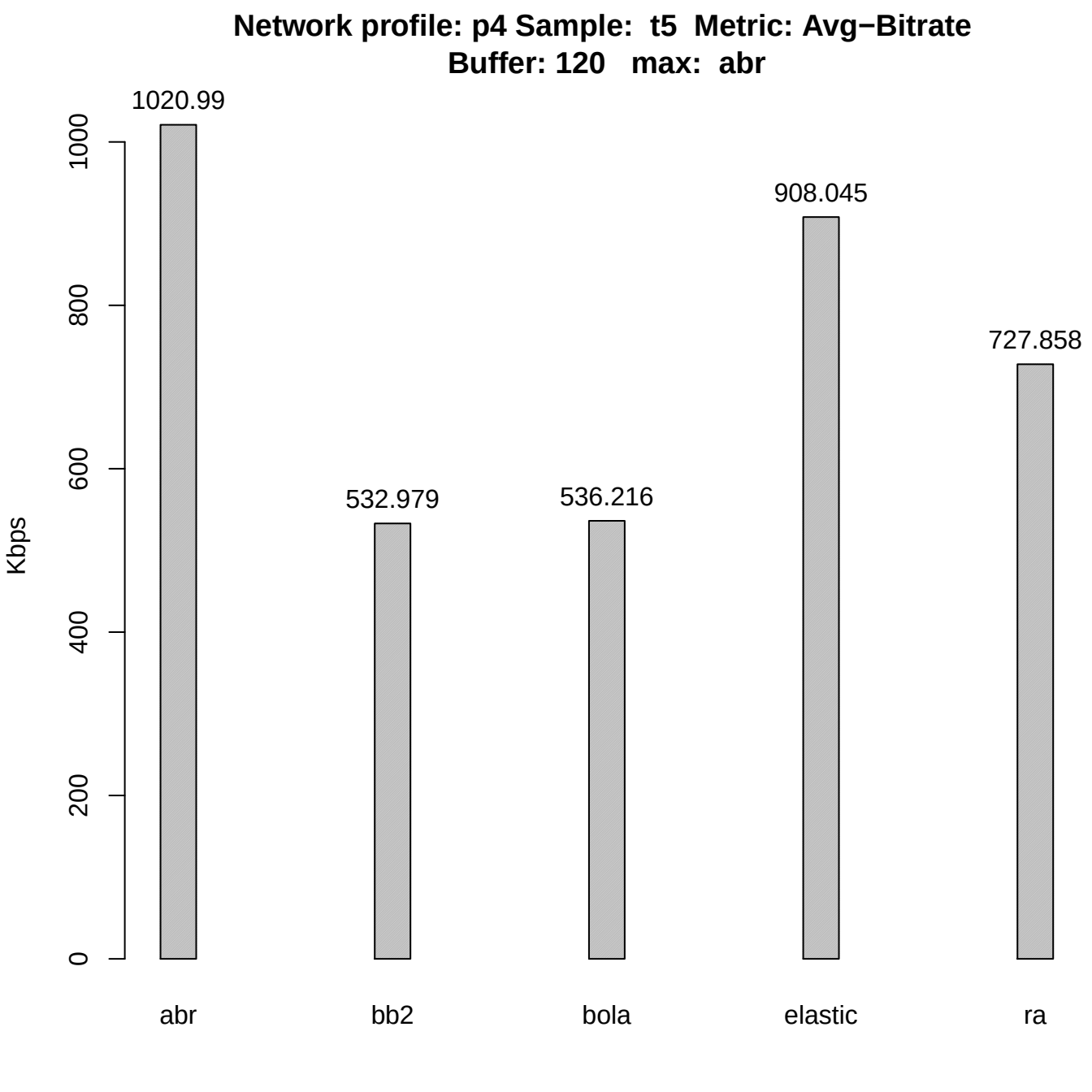

Network profile: p4 Sample: t3 Metric: Inefficiency
Buffer: 120 min: bb2
0.175305
0.156008
0.124199
0.126107
0.0976586
Inefficiency
0.00
0.05
0.10
0.15
abr
bb2
bola
elastic
ra

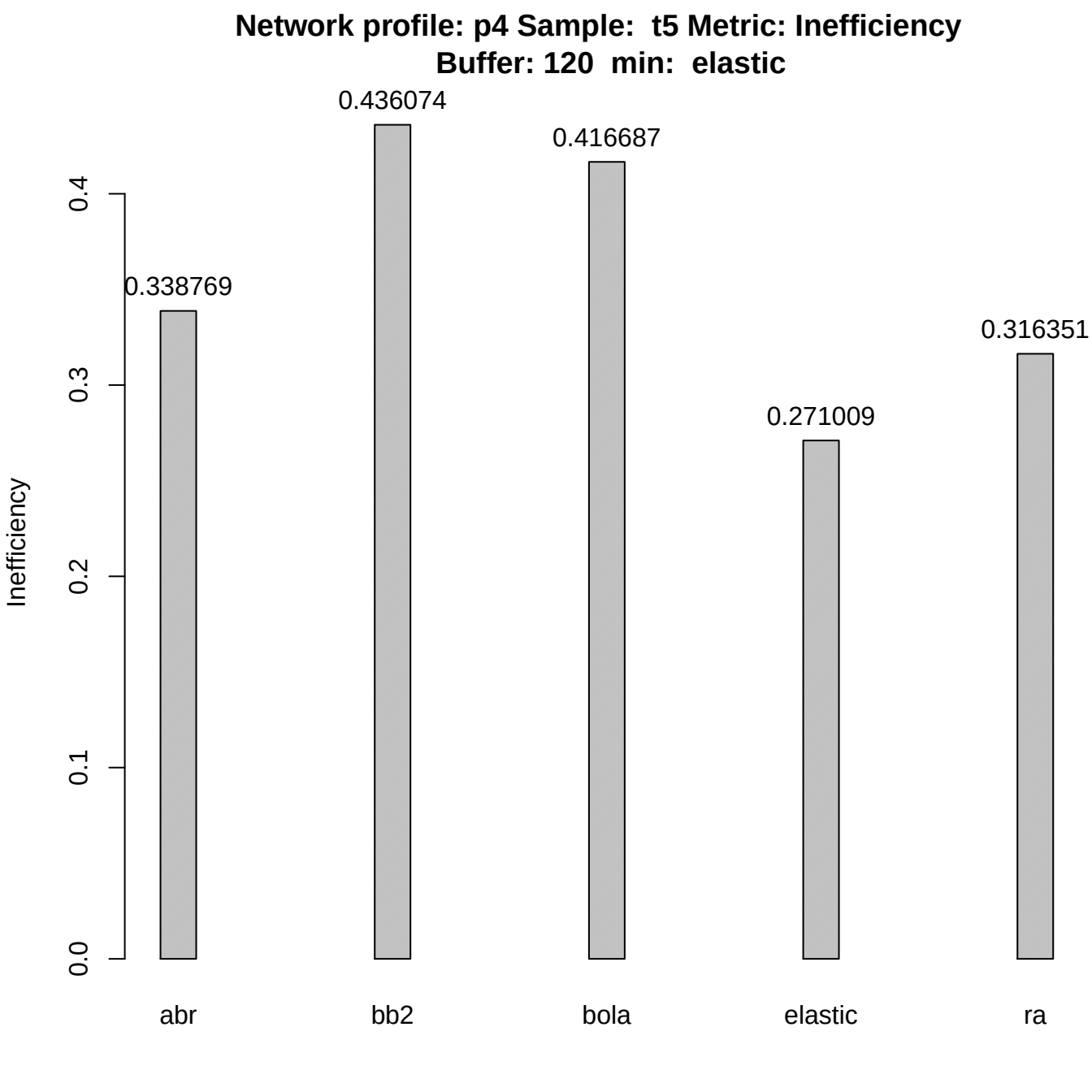

Network profile: p4 Sample: t3 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
20
40
60
80
100
120
140
154
61
3
57
15
abr
bb2
bola
elastic
ra

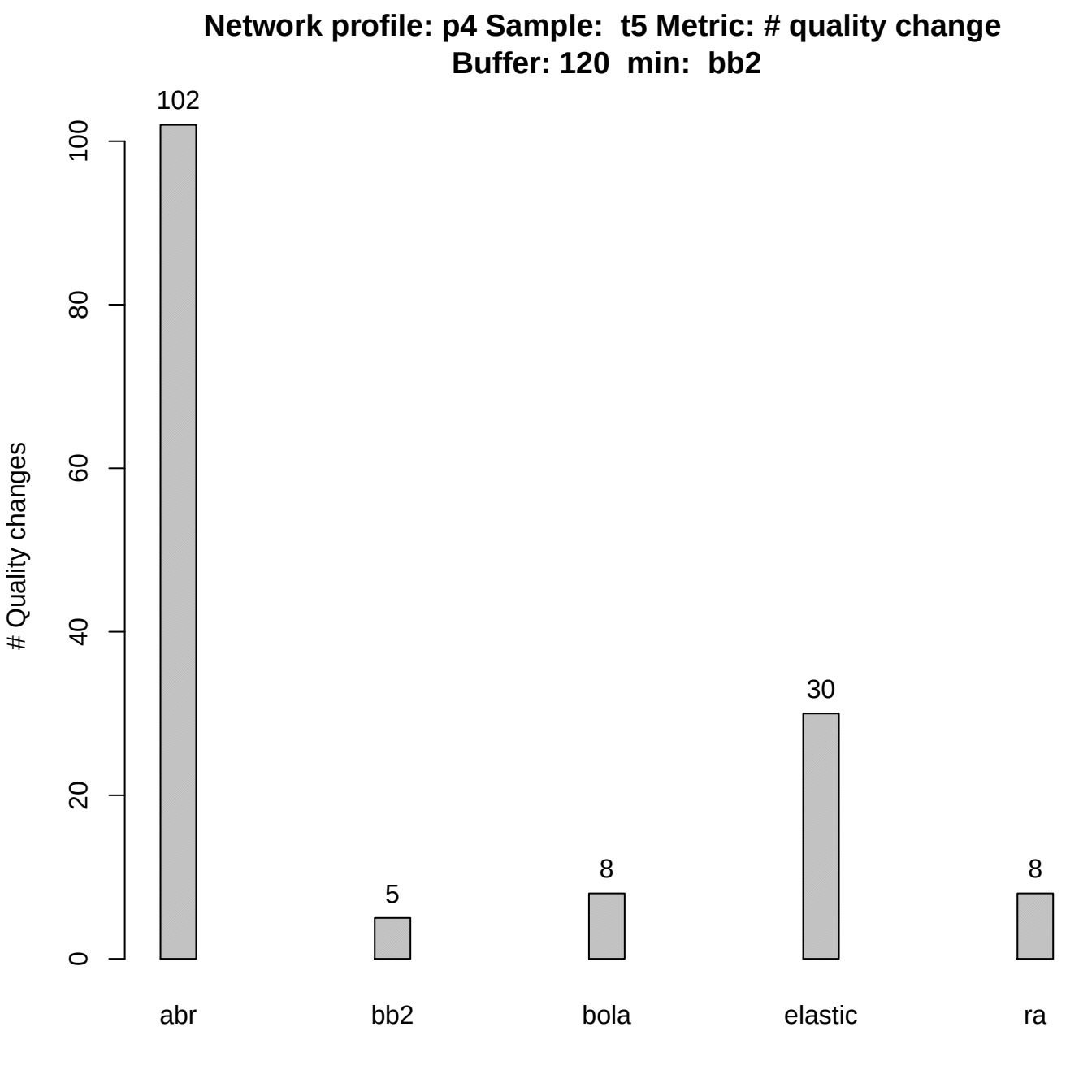

Network profile: p4 Sample: t4 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
200
400
600
800
1000
1200
1400
1221.85
1444.01
1143
1461.76
1411.04
abr
bb2
bola
elastic
ra

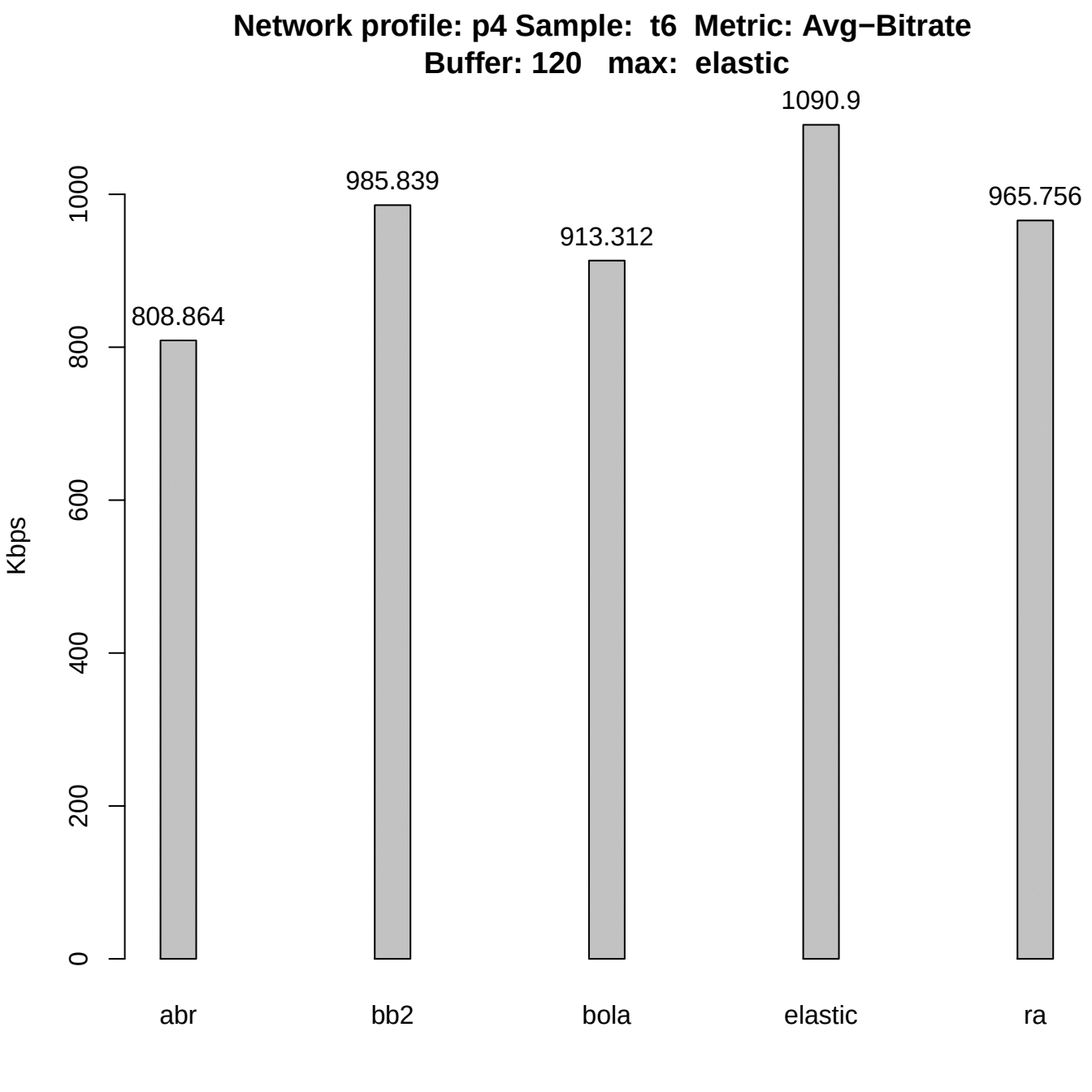

Network profile: p4 Sample: t4 Metric: Inefficiency
Buffer: 120 min: bb2
Inefficiency
0.00
0.05
0.10
0.15
0.142689
0.0939306
0.160361
0.0967904
0.14326
abr
bb2
bola
elastic
ra

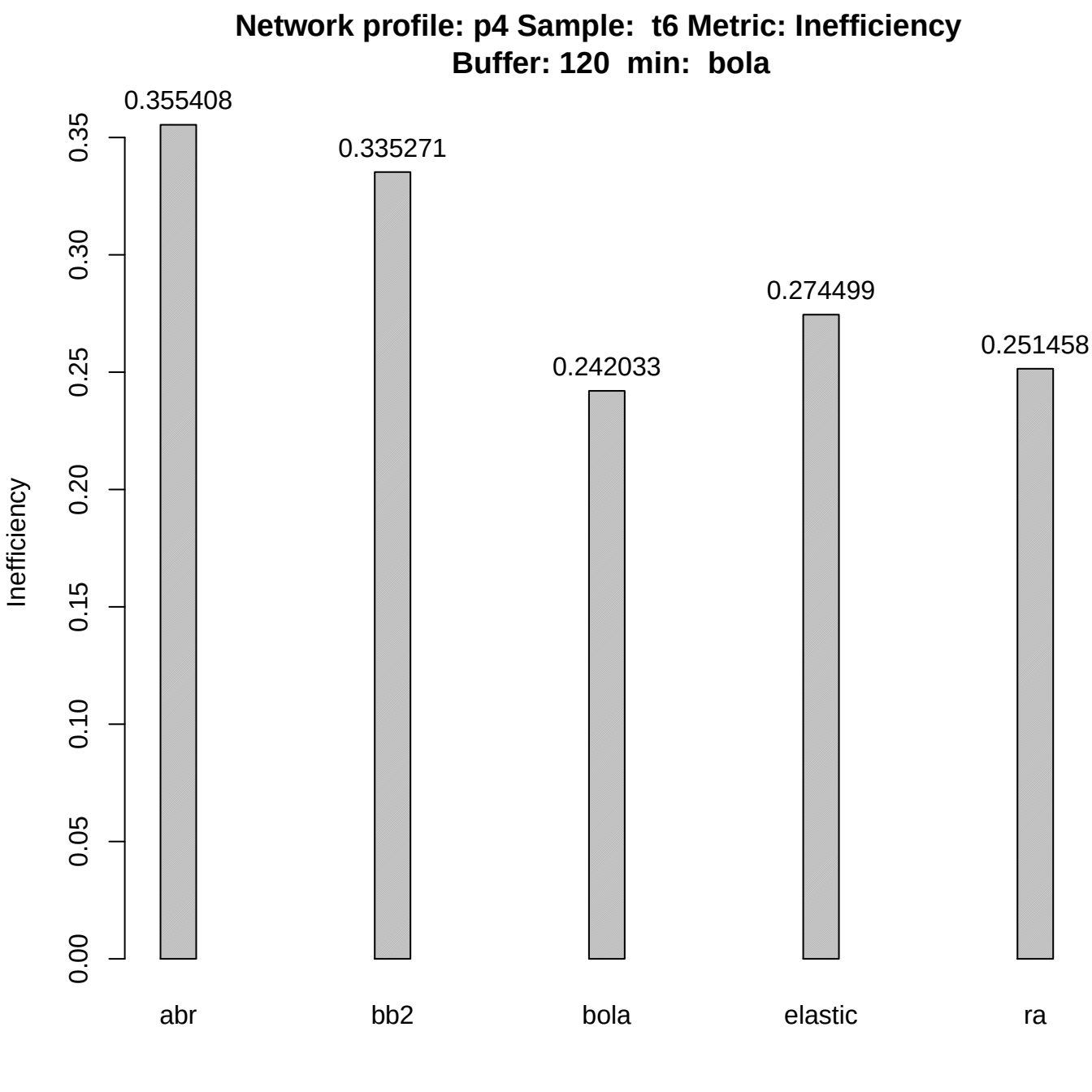

Network profile: p4 Sample: t4 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
20
40
60
80
100
112
27
0
21
7
abr
bb2
bola
elastic
ra

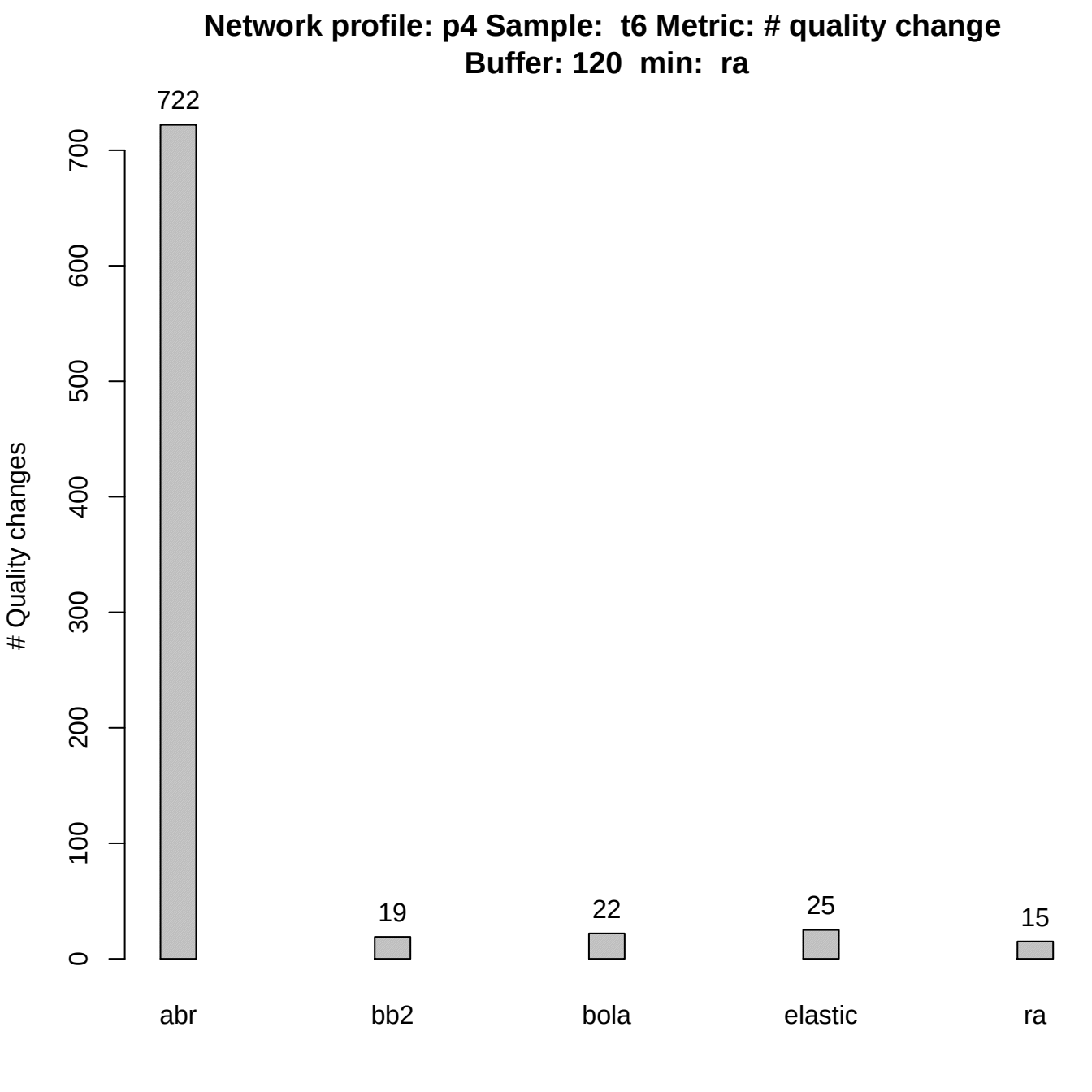

Network profile: p4 Sample: t5 Metric: Avg−Bitrate
Buffer: 120 max: abr
Kbps
0
200
400
600
800
1000
1020.99
532.979
536.216
908.045
727.858
abr
bb2
bola
elastic
ra

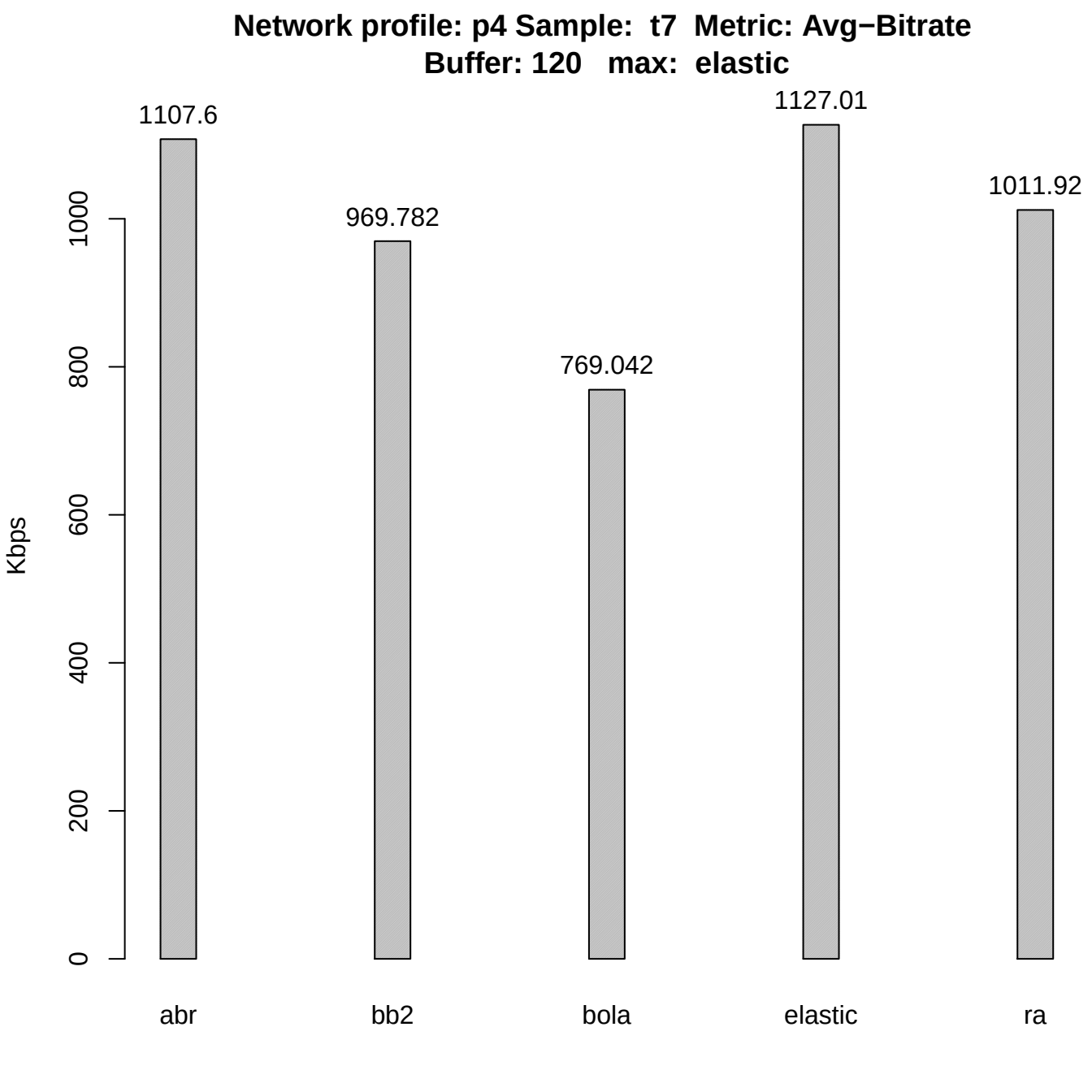

Network profile: p4 Sample: t5 Metric: Inefficiency
Buffer: 120 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.338769
0.436074
0.416687
0.271009
0.316351
abr
bb2
bola
elastic
ra

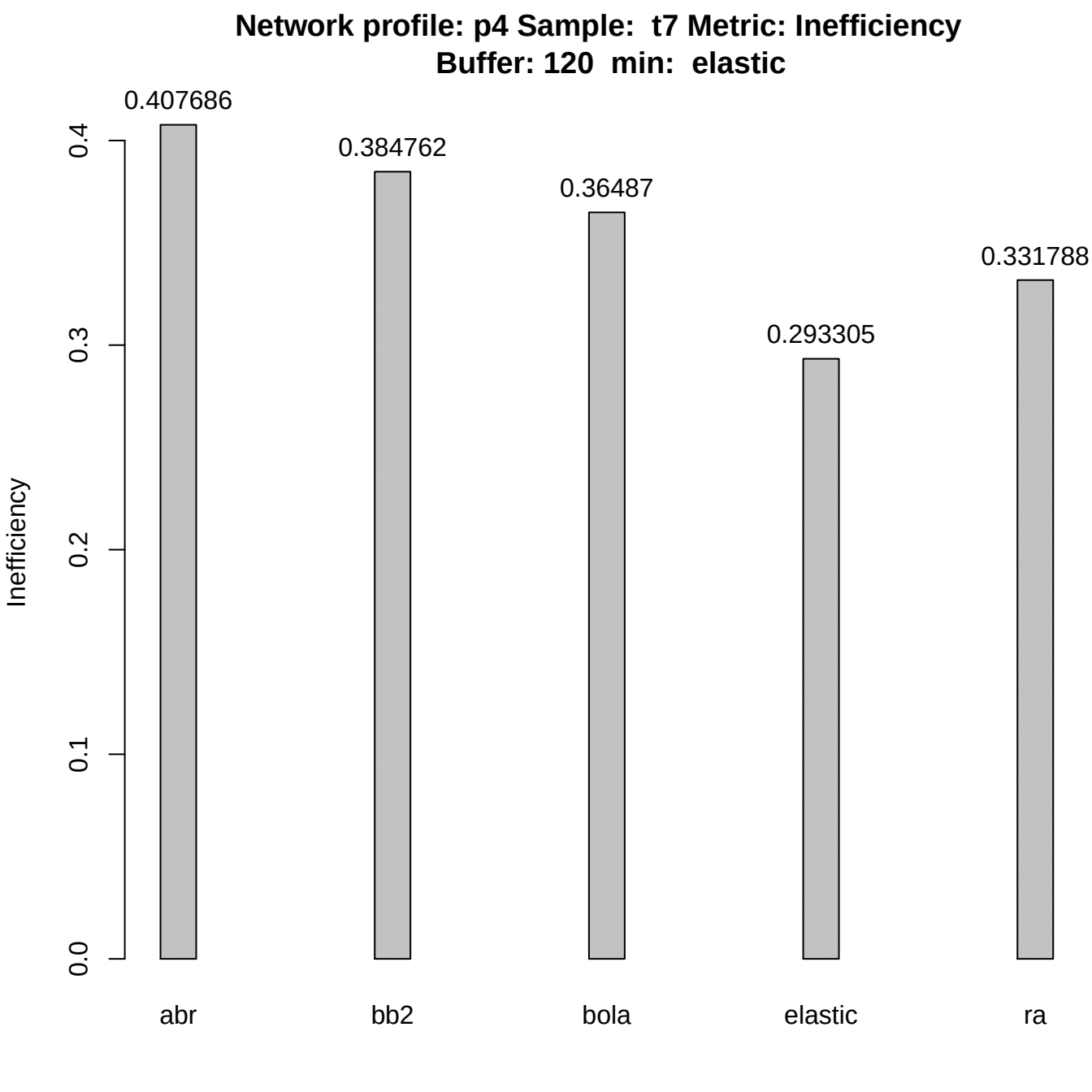

Network profile: p4 Sample: t5 Metric: # quality change
Buffer: 120 min: bb2
Quality changes
0
20
40
60
80
100
102
5
8
30
8
abr
bb2
bola
elastic
ra

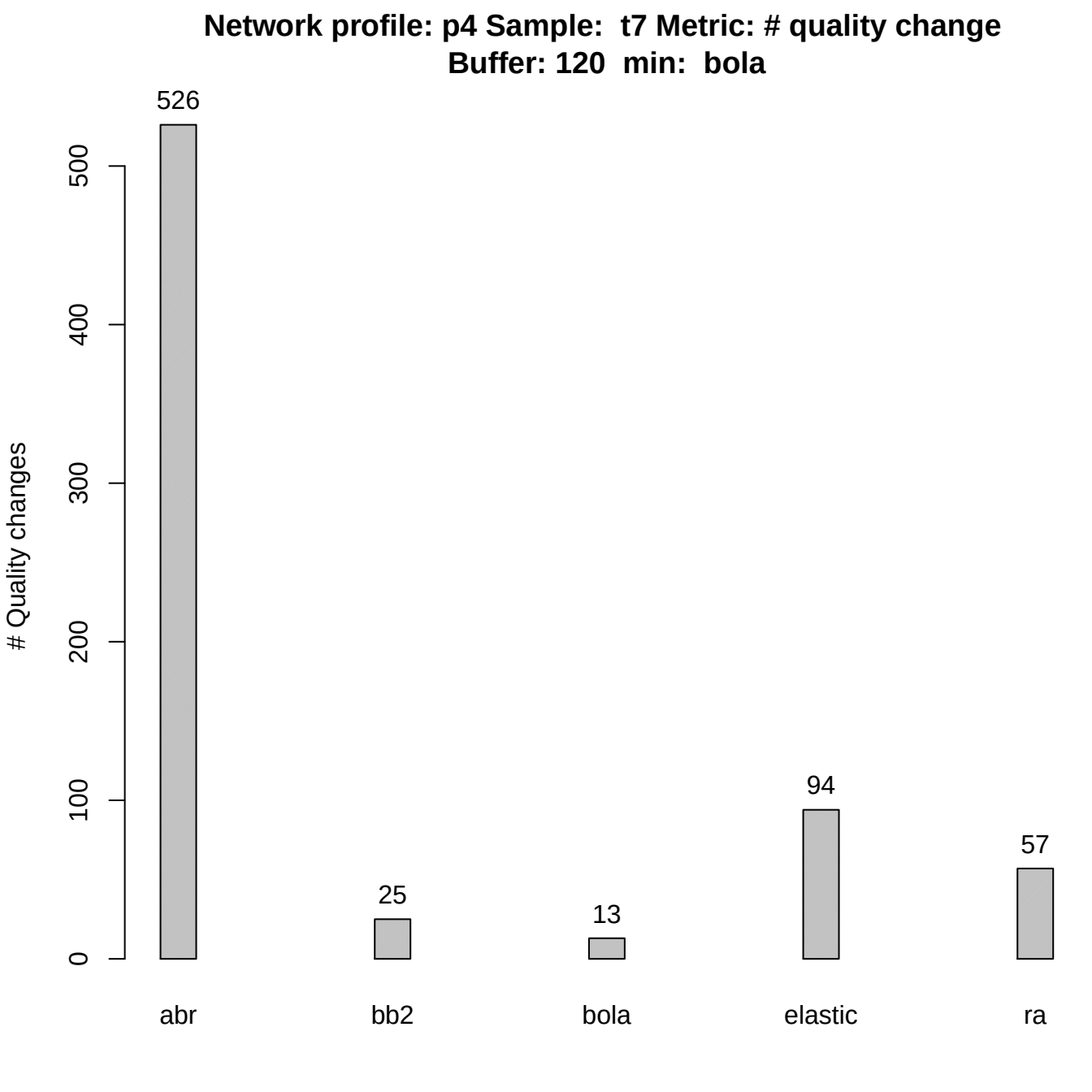

Network profile: p4 Sample: t6 Metric: Avg−Bitrate
Buffer: 120 max: elastic
Kbps
0
200
400
600
800
1000
808.864
985.839
913.312
1090.9
965.756
abr
bb2
bola
elastic
ra


Network profile: p4 Sample: t6 Metric: Inefficiency
Buffer: 120 min: bola
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.355408
0.335271
0.242033
0.274499
0.251458
abr
bb2
bola
elastic
ra


Network profile: p4 Sample: t6 Metric: # quality change
Buffer: 120 min: ra
Quality changes
0
100
200
300
400
500
600
700
722
19
22
25
15
abr
bb2
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: Avg−Bitrate
Buffer: 120 max: elastic
1107.6
969.782
769.042
1127.01
1011.92
Kbps
0
200
400
600
800
1000
abr
bb2
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: Inefficiency
Buffer: 120 min: elastic
0.407686
0.384762
0.36487
0.293305
0.331788
Inefficiency
0.0
0.1
0.2
0.3
0.4
abr
bb2
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: # quality change
Buffer: 120 min: bola
Quality changes
0
100
200
300
400
500
526
25
13
94
57
abr
bb2
bola
elastic
ra