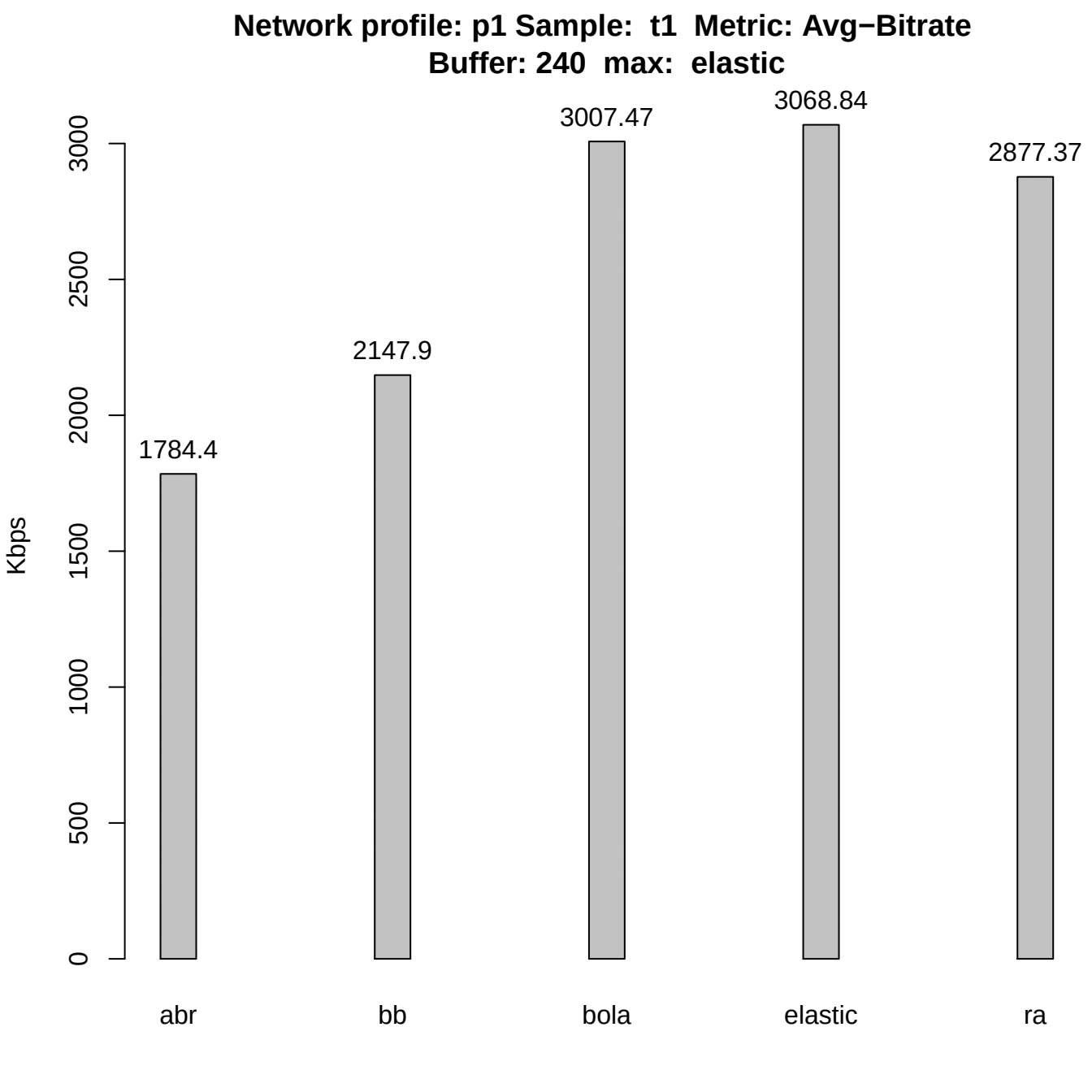
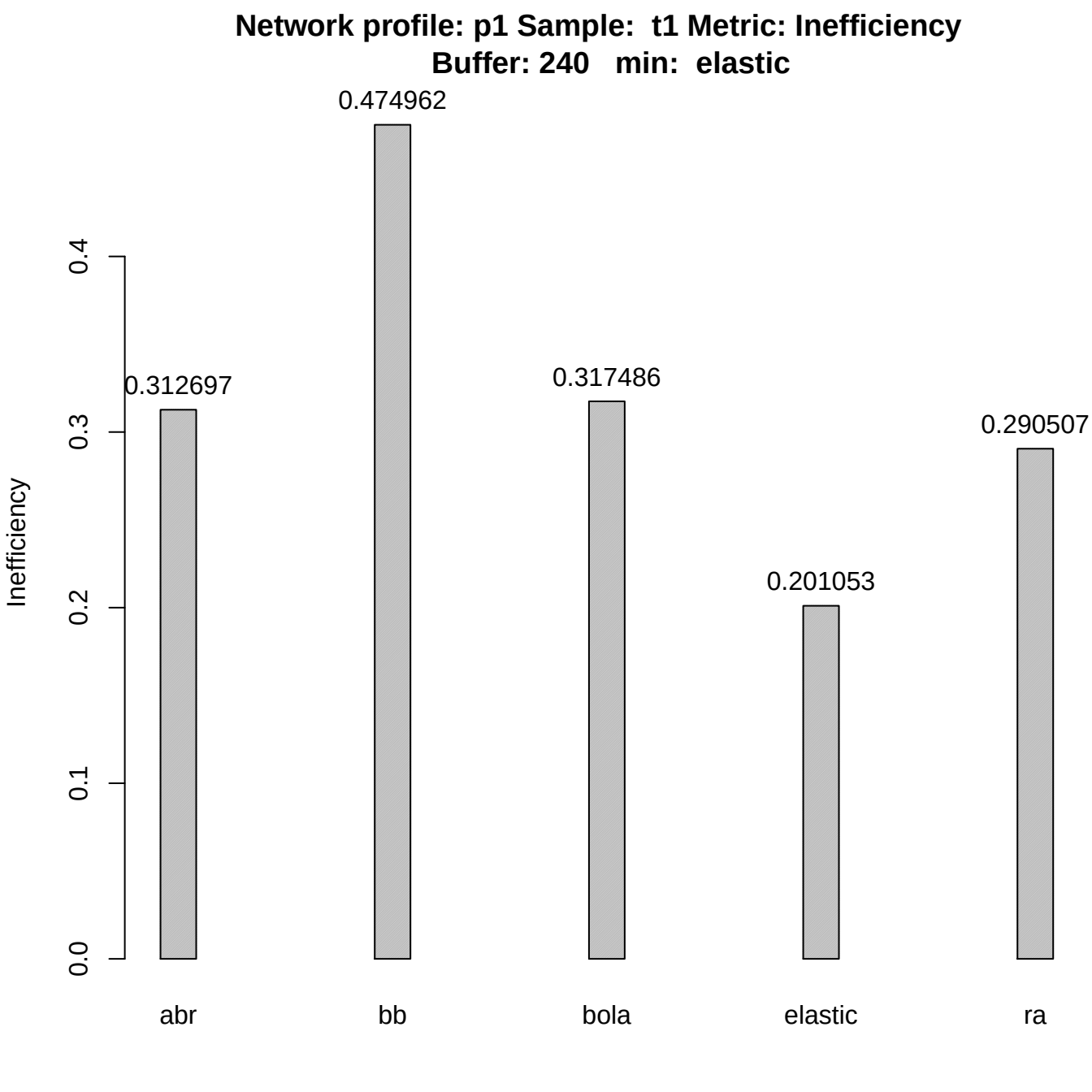
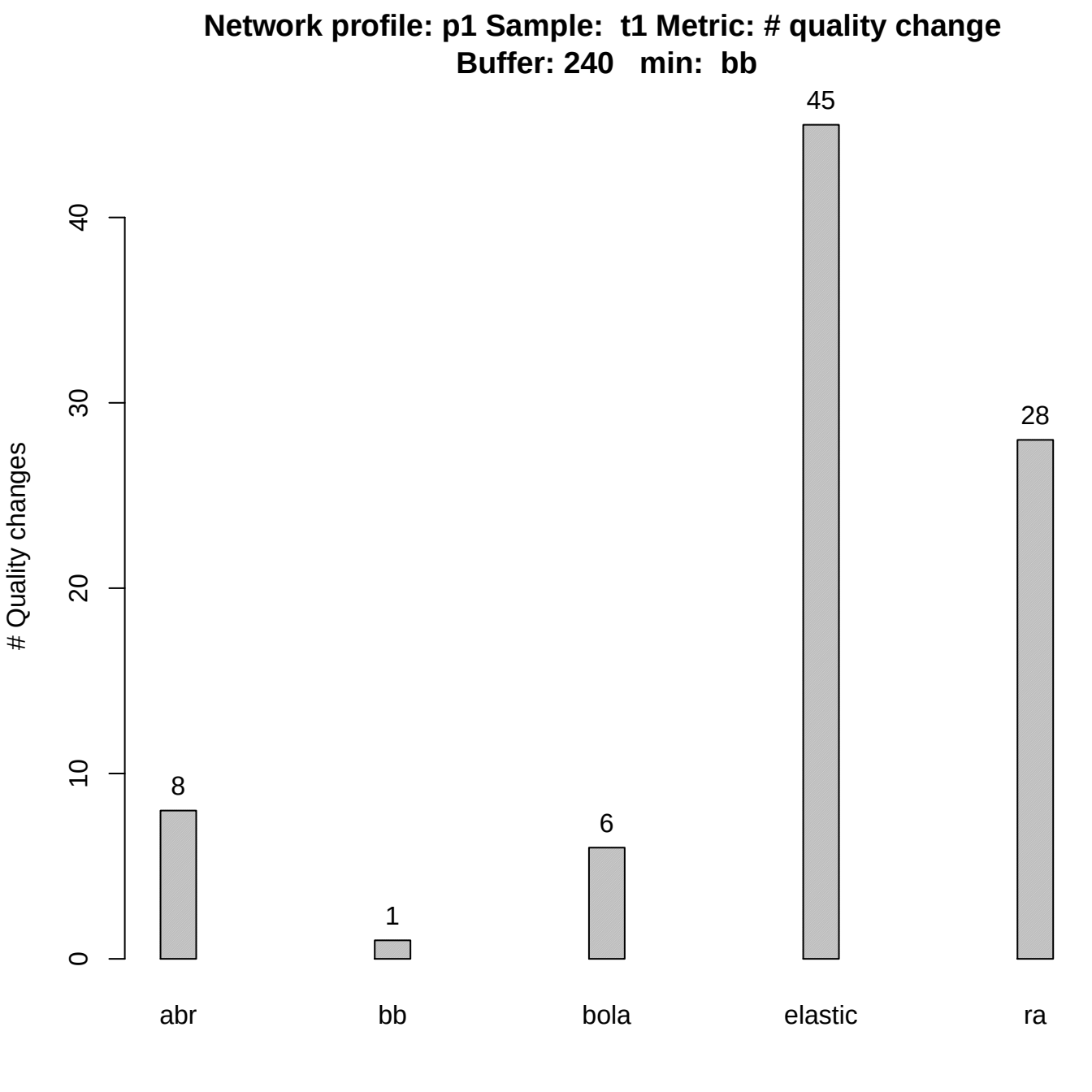
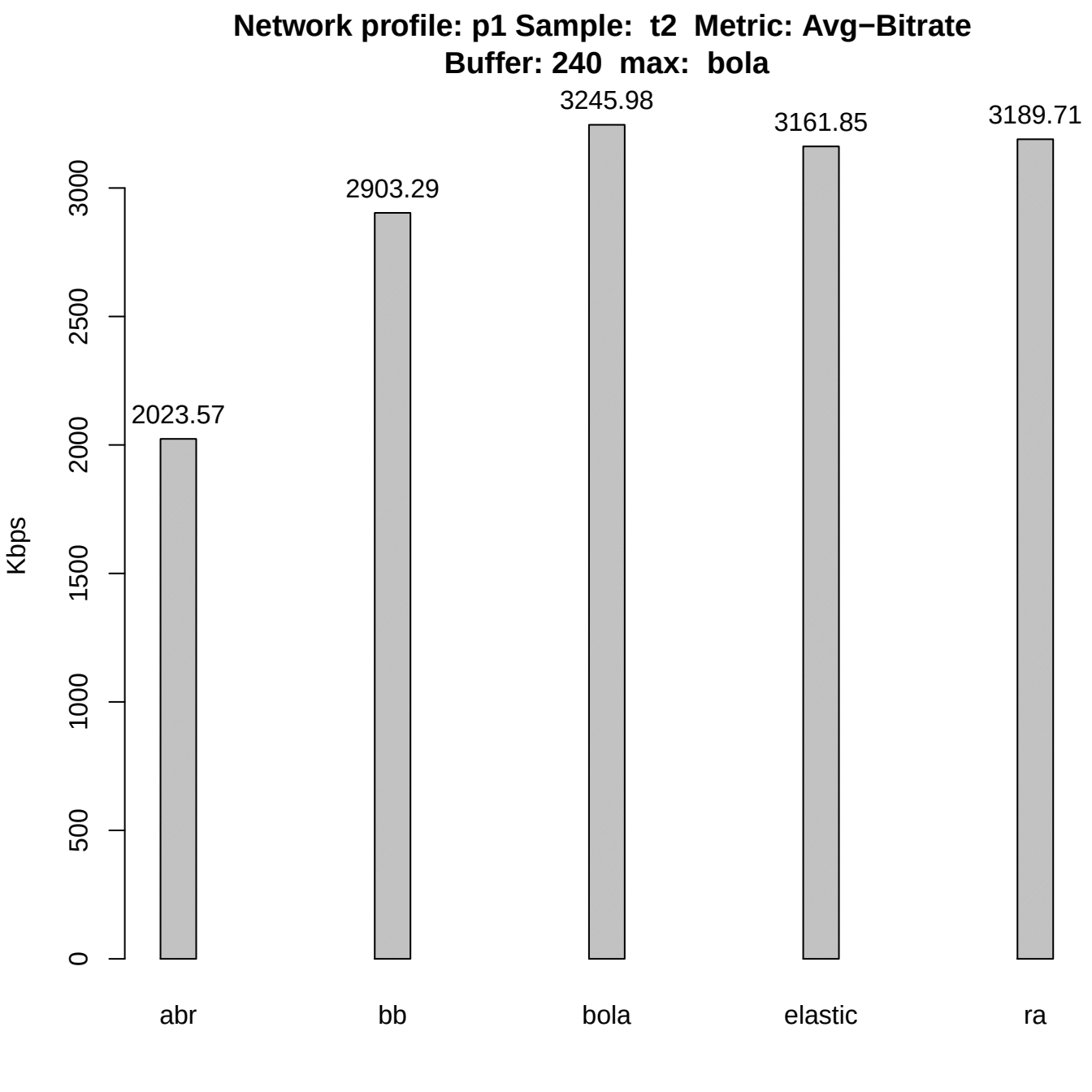
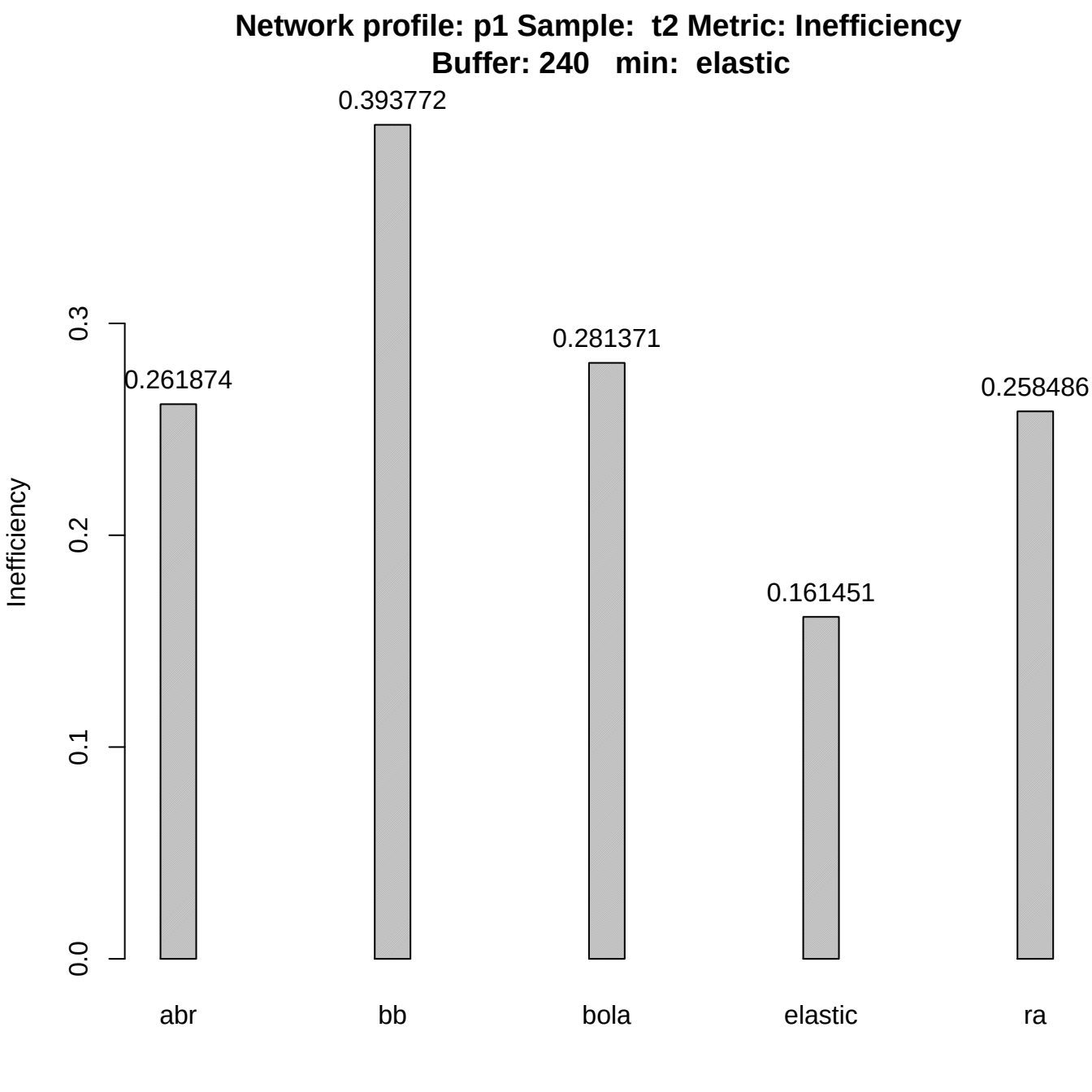
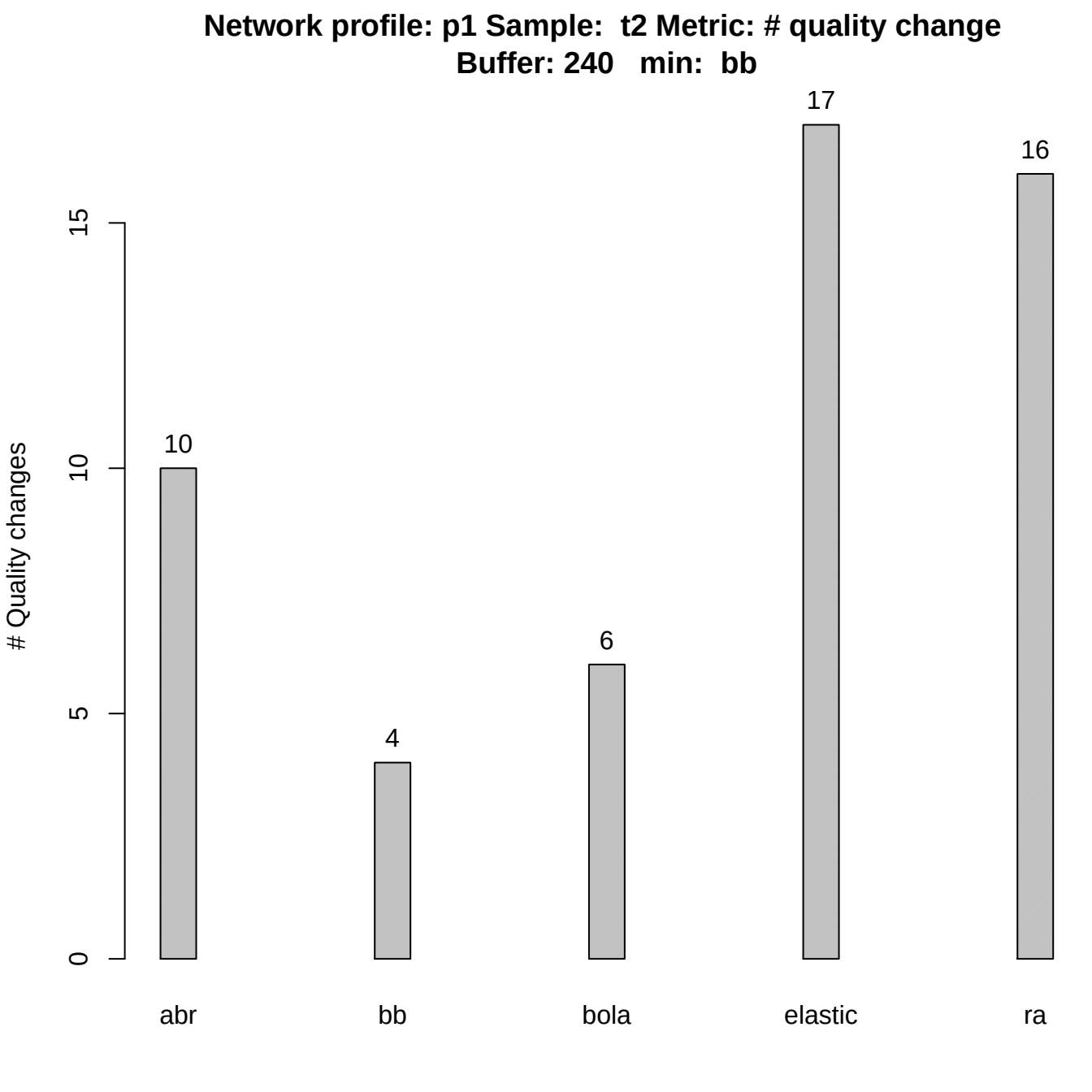

Network profile: p1 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
2500
3000
1784.4
2147.9
3007.47
3068.84
2877.37
abr
bb
bola
elastic
ra

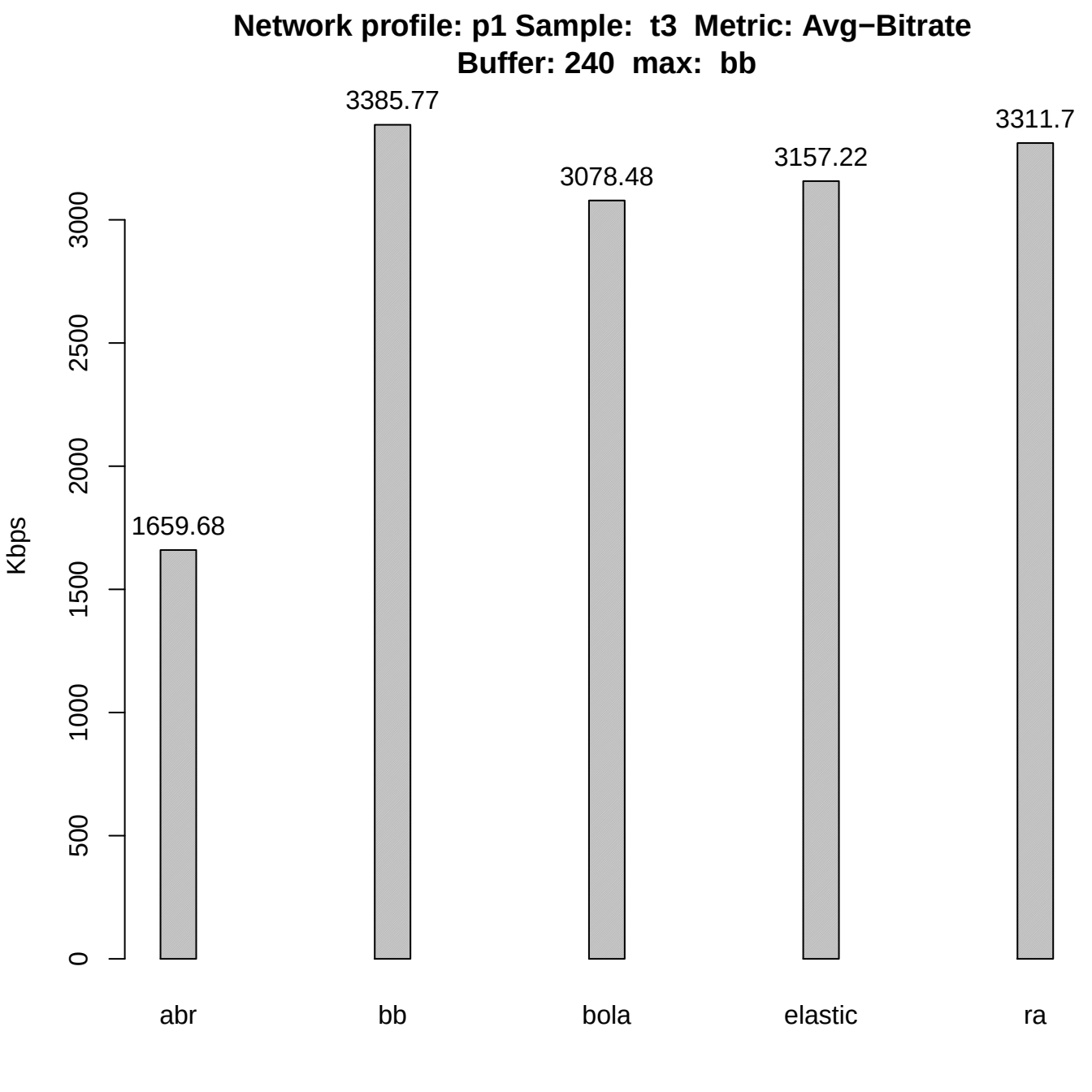

Network profile: p1 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.312697
0.474962
0.317486
0.201053
0.290507
abr
bb
bola
elastic
ra

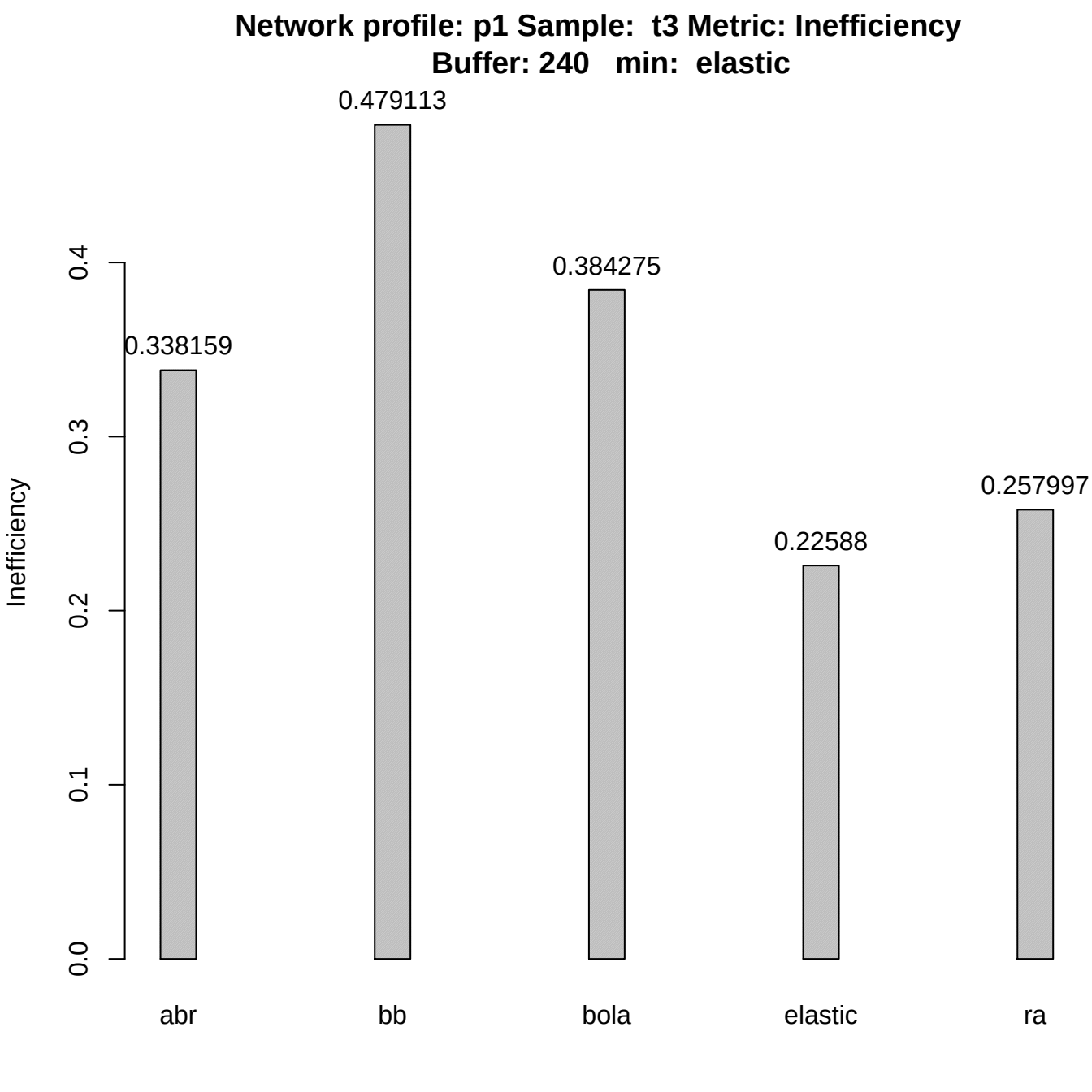

Network profile: p1 Sample: t1 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
10
20
30
40
8
1
6
45
28
abr
bb
bola
elastic
ra

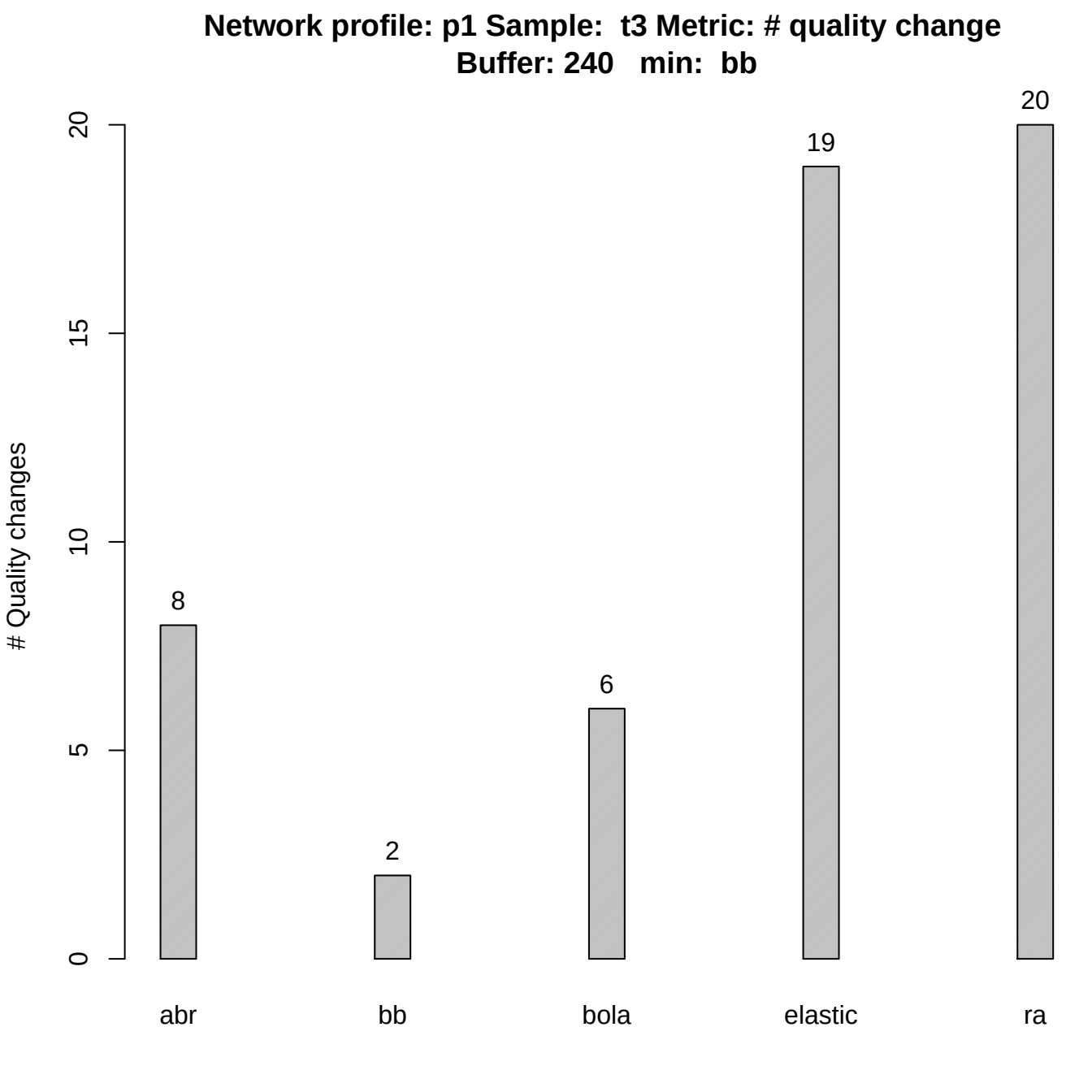

Network profile: p1 Sample: t2 Metric: Avg−Bitrate
Buffer: 240 max: bola
Kbps
0
500
1000
1500
2000
2500
3000
2023.57
2903.29
3245.98
3161.85
3189.71
abr
bb
bola
elastic
ra

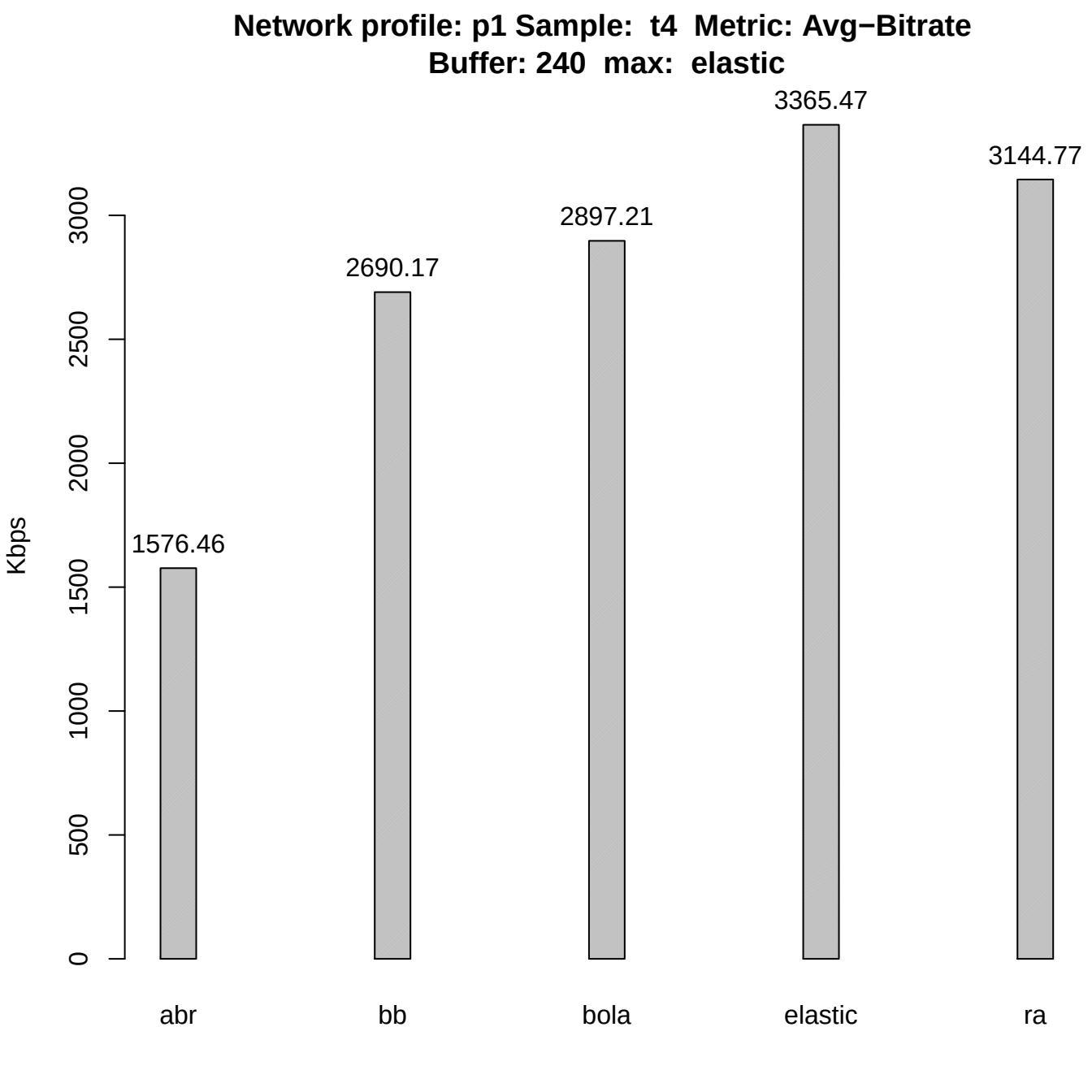

Network profile: p1 Sample: t2 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.261874
0.393772
0.281371
0.161451
0.258486
abr
bb
bola
elastic
ra

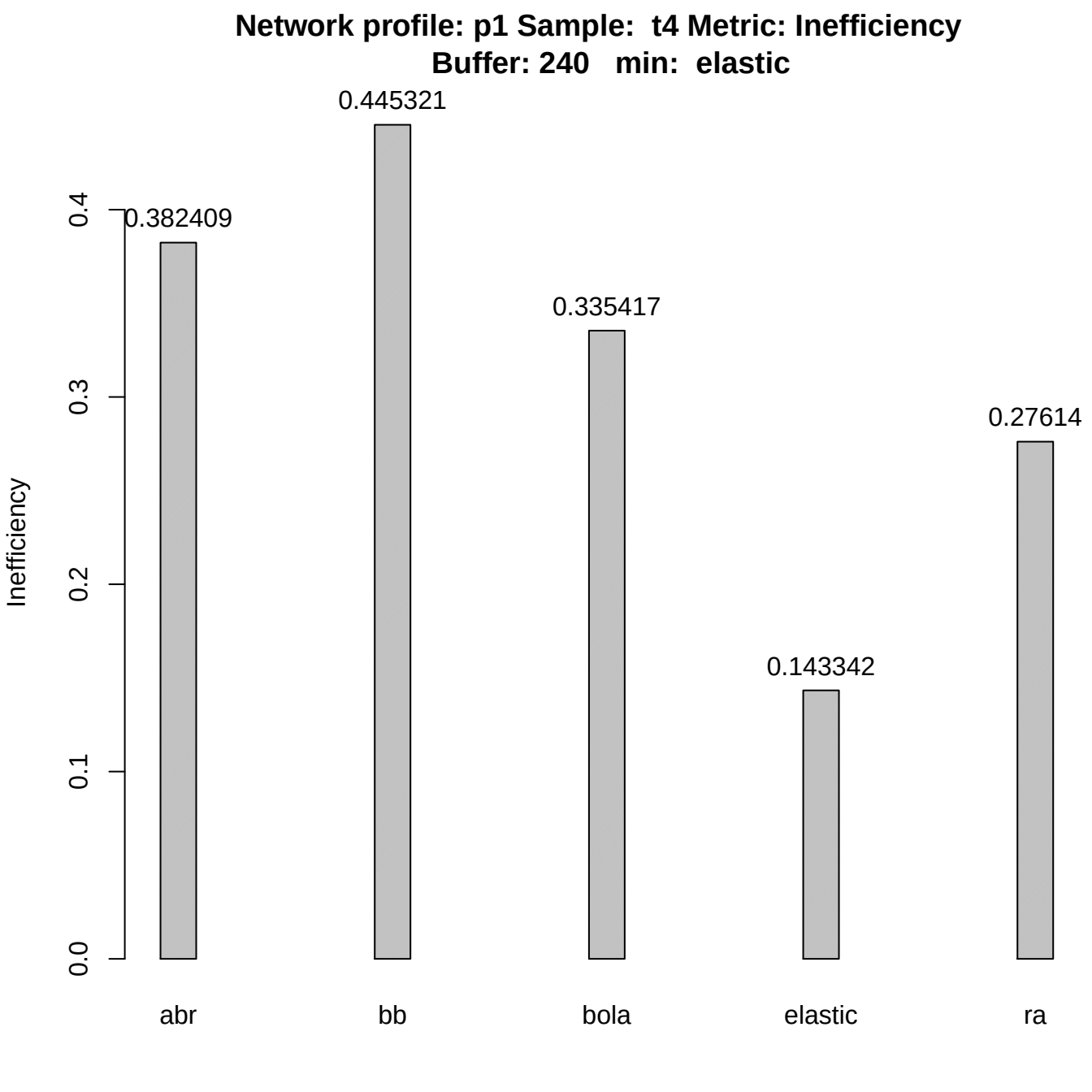

Network profile: p1 Sample: t2 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
5
10
15
10
4
6
17
16
abr
bb
bola
elastic
ra

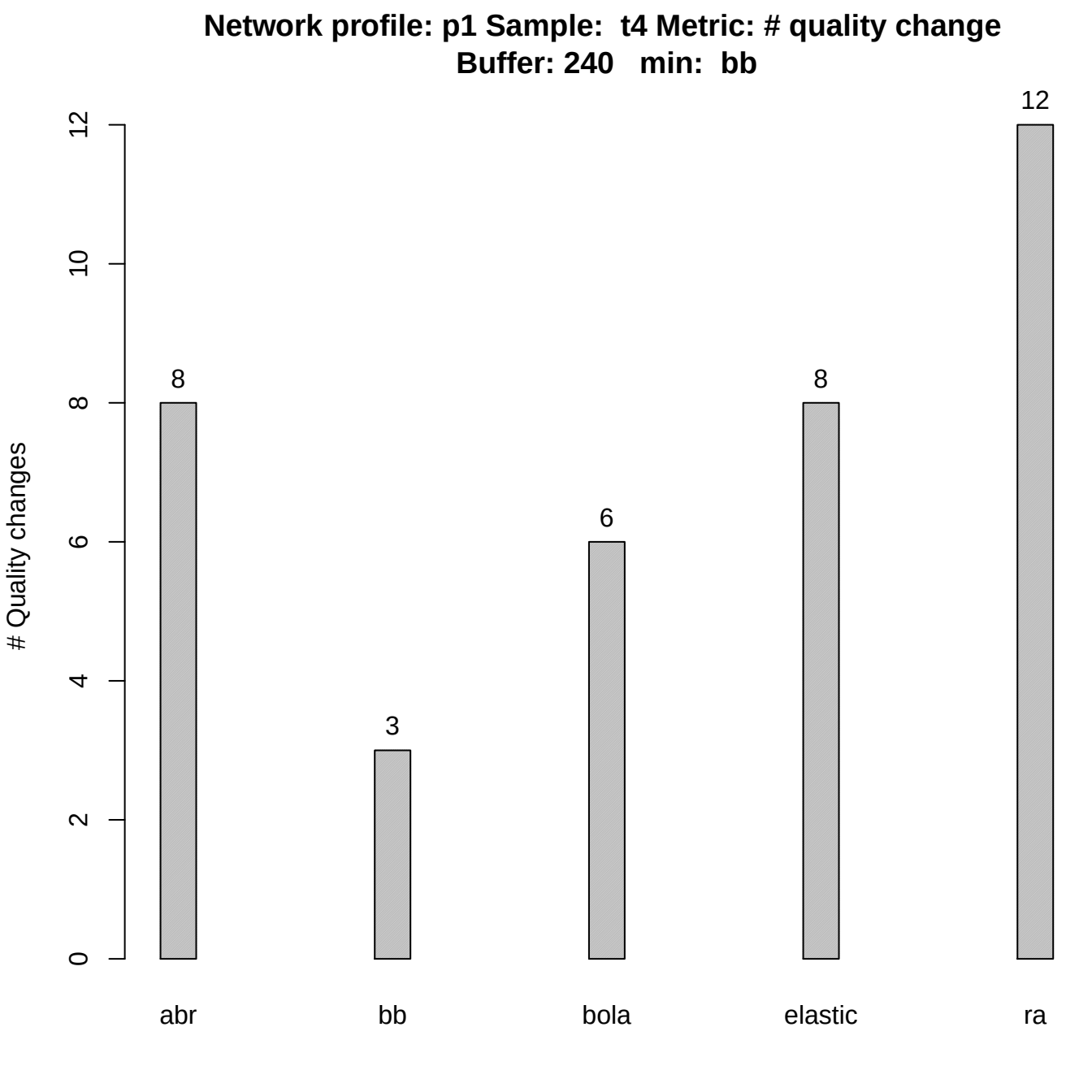

Network profile: p1 Sample: t3 Metric: Avg−Bitrate
Buffer: 240 max: bb
Kbps
0
500
1000
1500
2000
2500
3000
1659.68
3385.77
3078.48
3157.22
3311.7
abr
bb
bola
elastic
ra

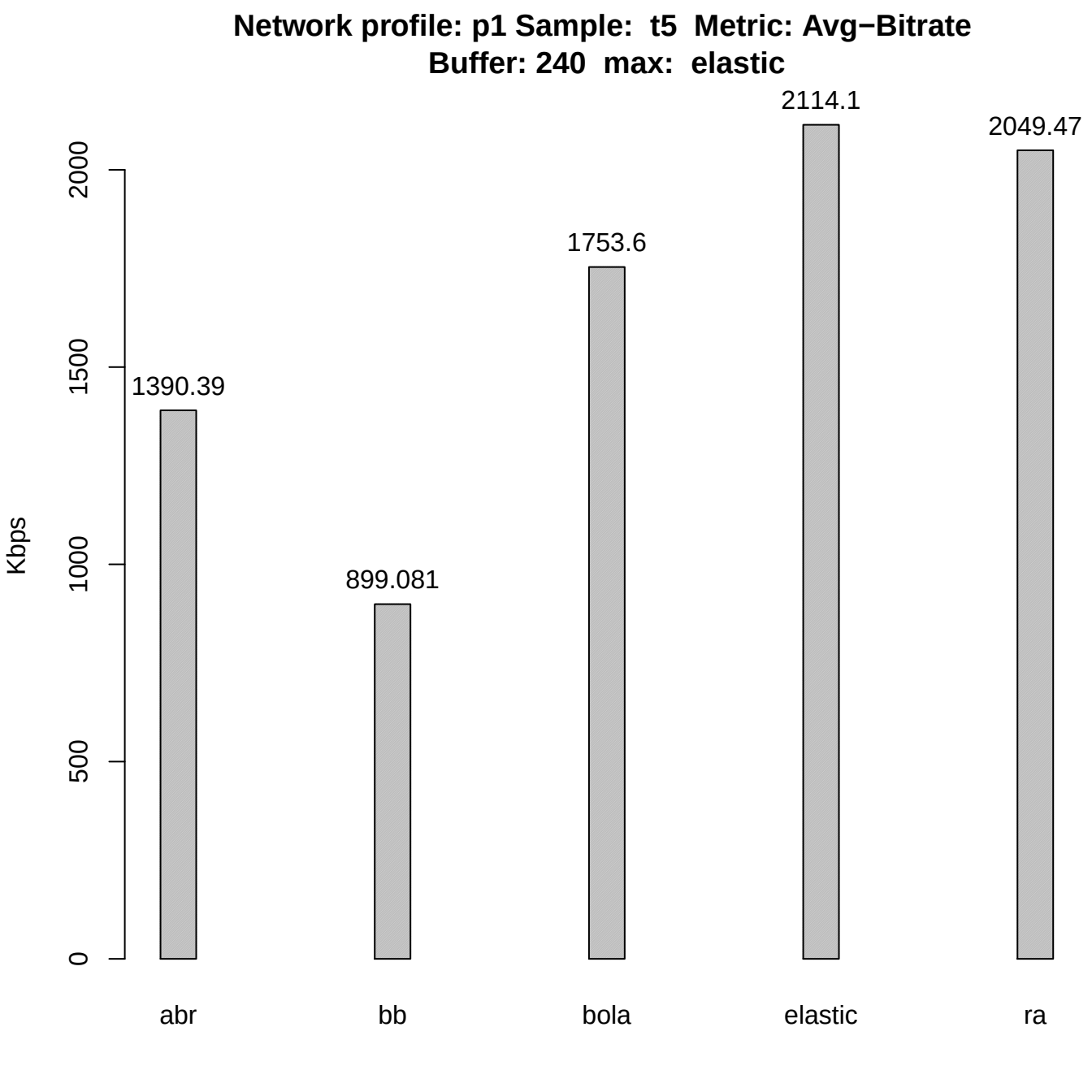

Network profile: p1 Sample: t3 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.338159
0.479113
0.384275
0.22588
0.257997
abr
bb
bola
elastic
ra

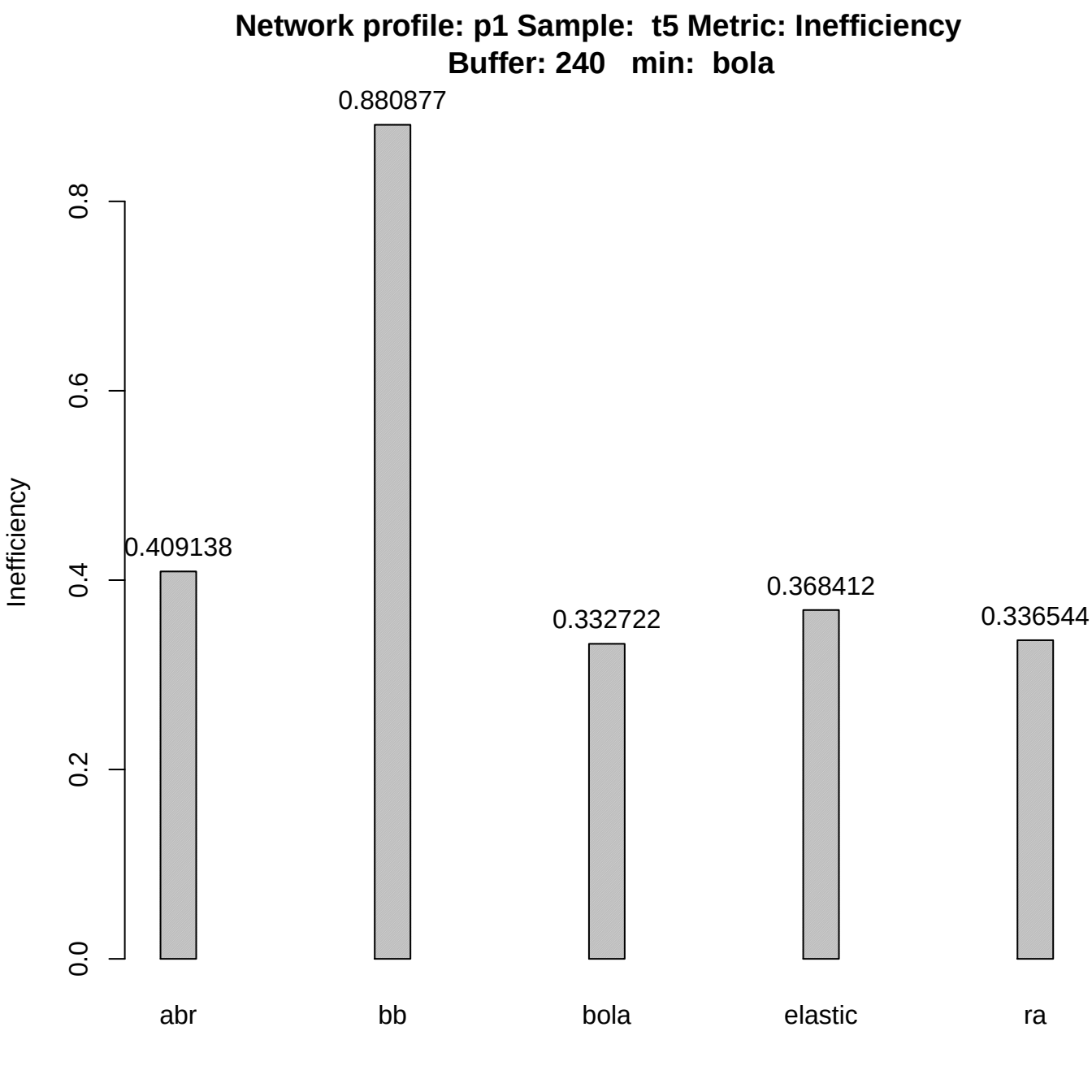

Network profile: p1 Sample: t3 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
5
10
15
20
8
2
6
19
20
abr
bb
bola
elastic
ra

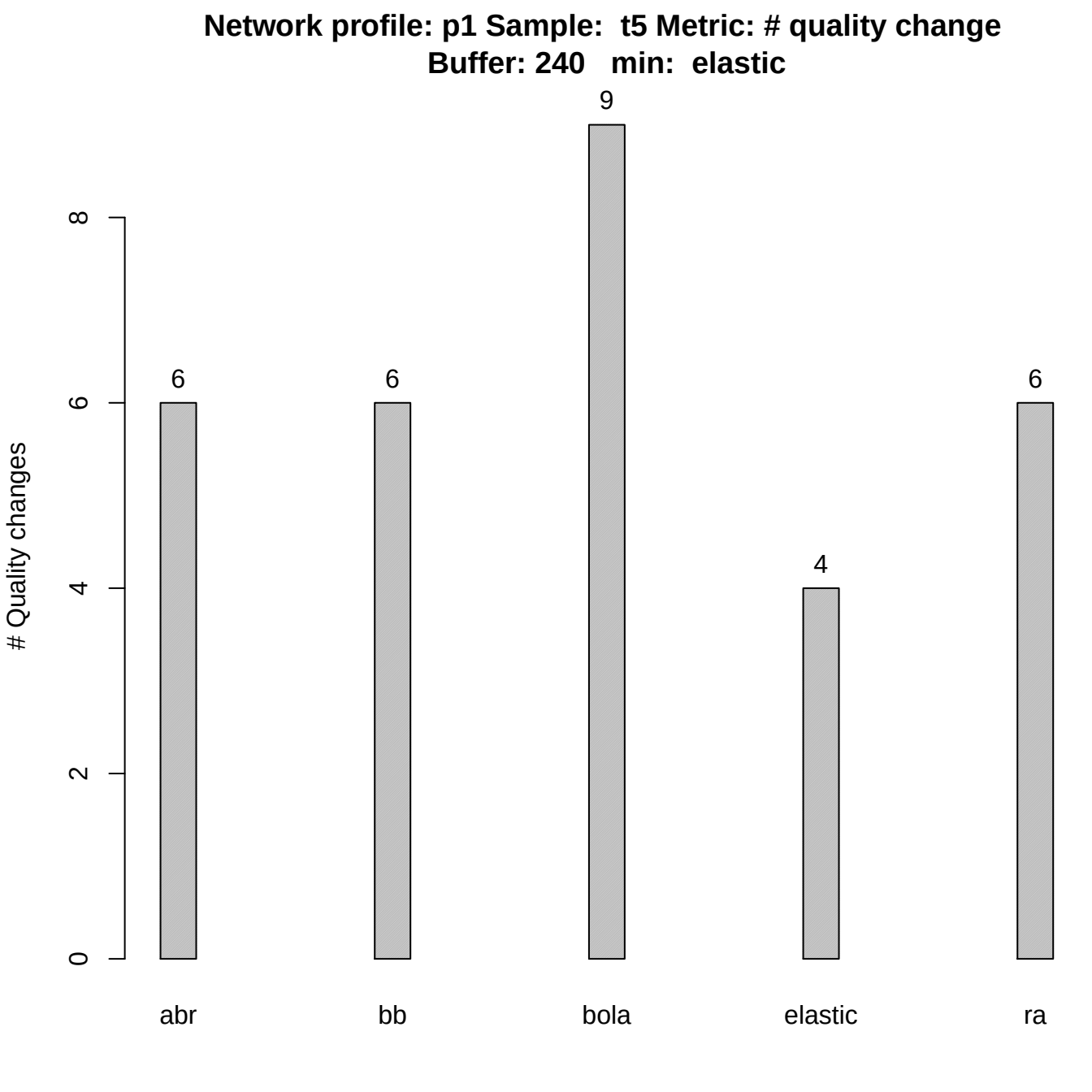

Network profile: p1 Sample: t4 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
2500
3000
1576.46
2690.17
2897.21
3365.47
3144.77
abr
bb
bola
elastic
ra

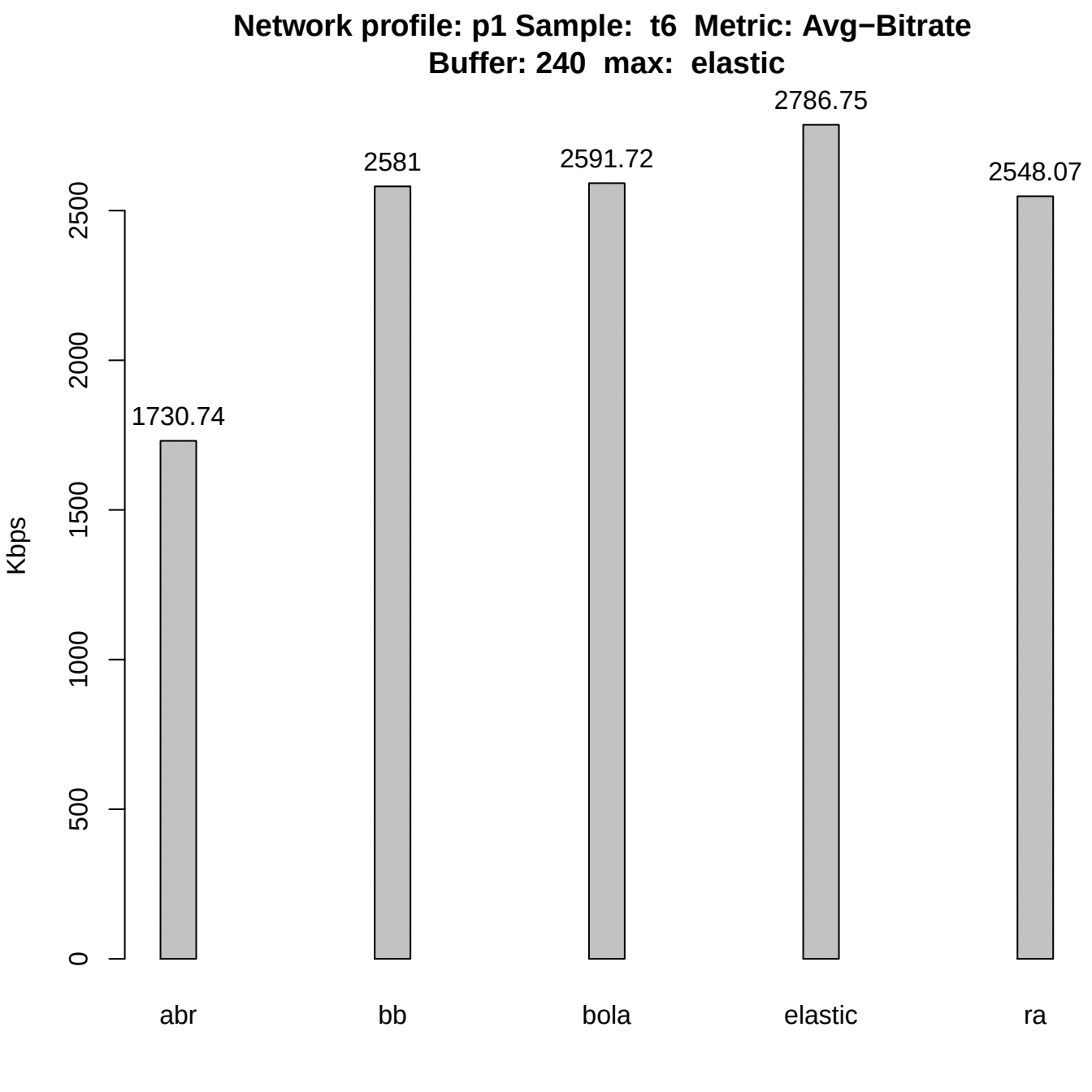

Network profile: p1 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.382409
0.445321
0.335417
0.143342
0.27614
abr
bb
bola
elastic
ra

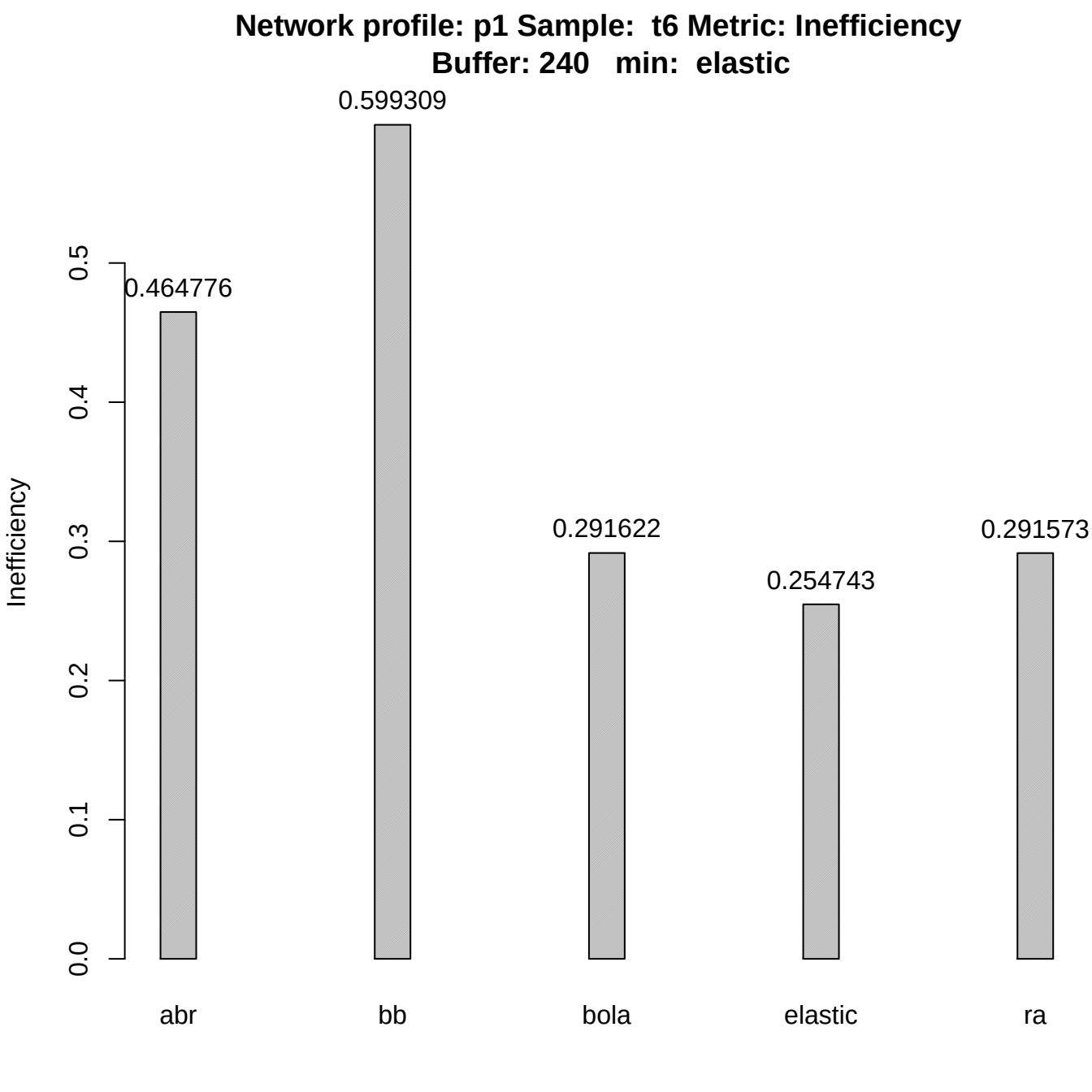

Network profile: p1 Sample: t4 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
2
4
6
8
10
12
8
3
6
8
12
abr
bb
bola
elastic
ra

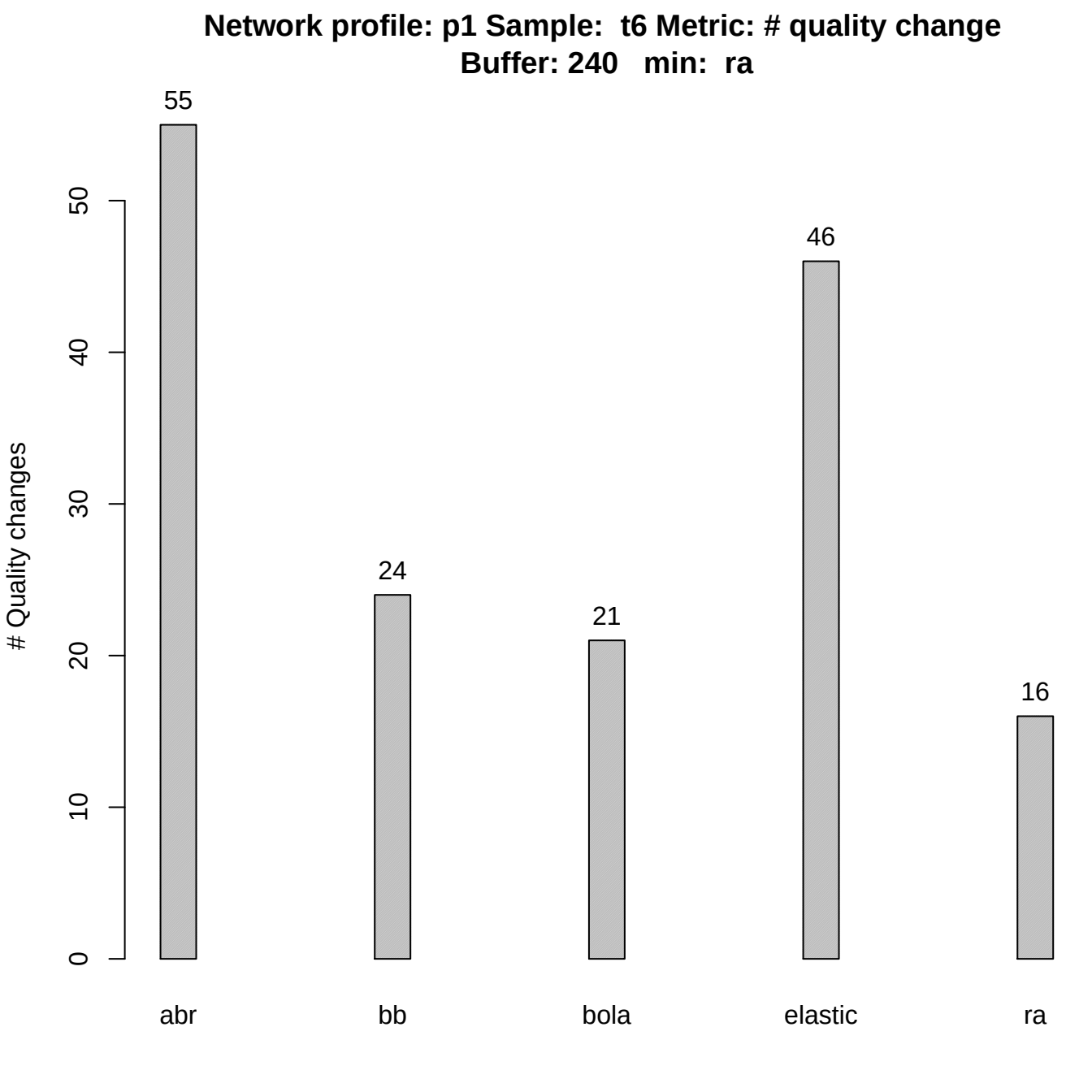

Network profile: p1 Sample: t5 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
1390.39
899.081
1753.6
2114.1
2049.47
abr
bb
bola
elastic
ra

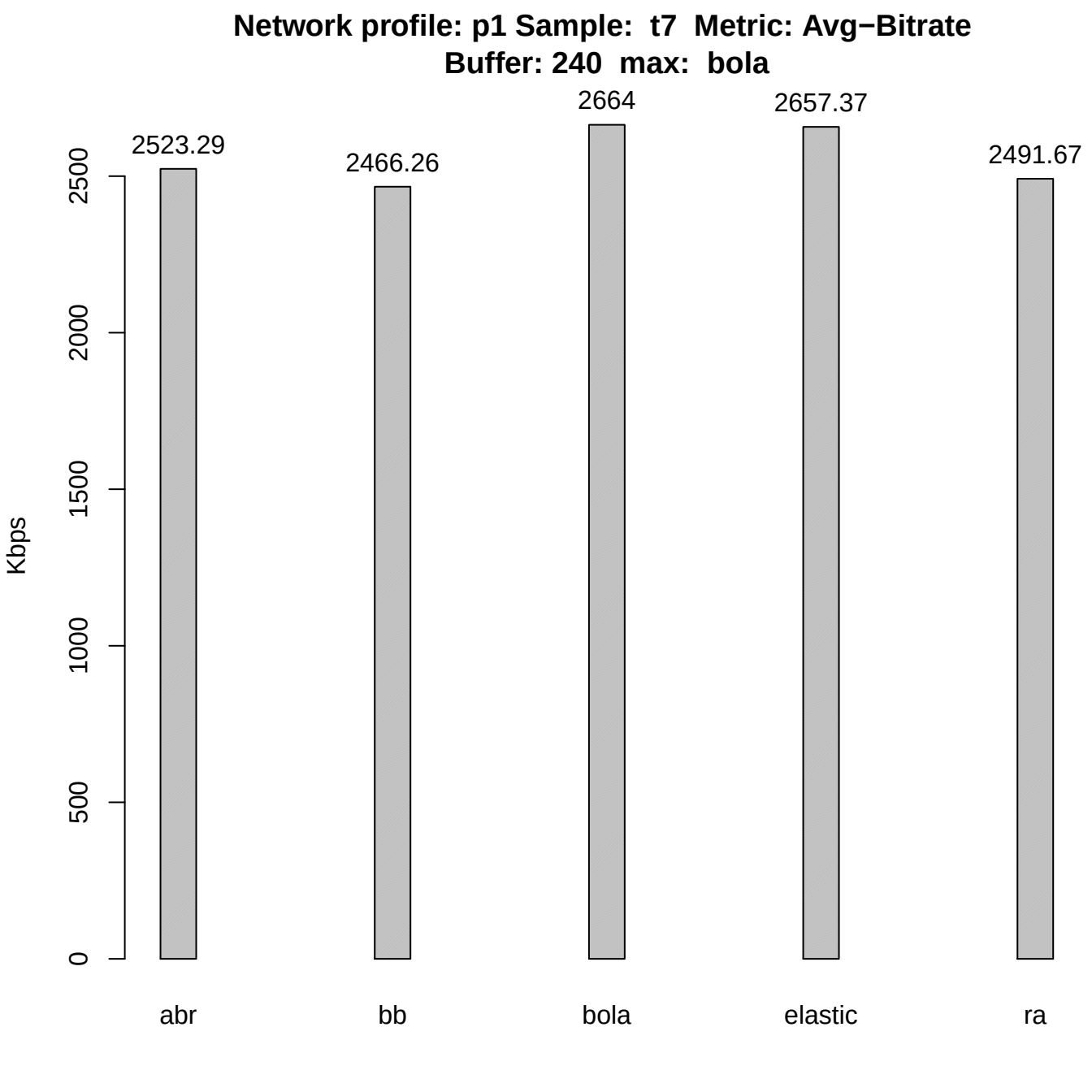

Network profile: p1 Sample: t5 Metric: Inefficiency
Buffer: 240 min: bola
Inefficiency
0.0
0.2
0.4
0.6
0.8
0.409138
0.880877
0.332722
0.368412
0.336544
abr
bb
bola
elastic
ra

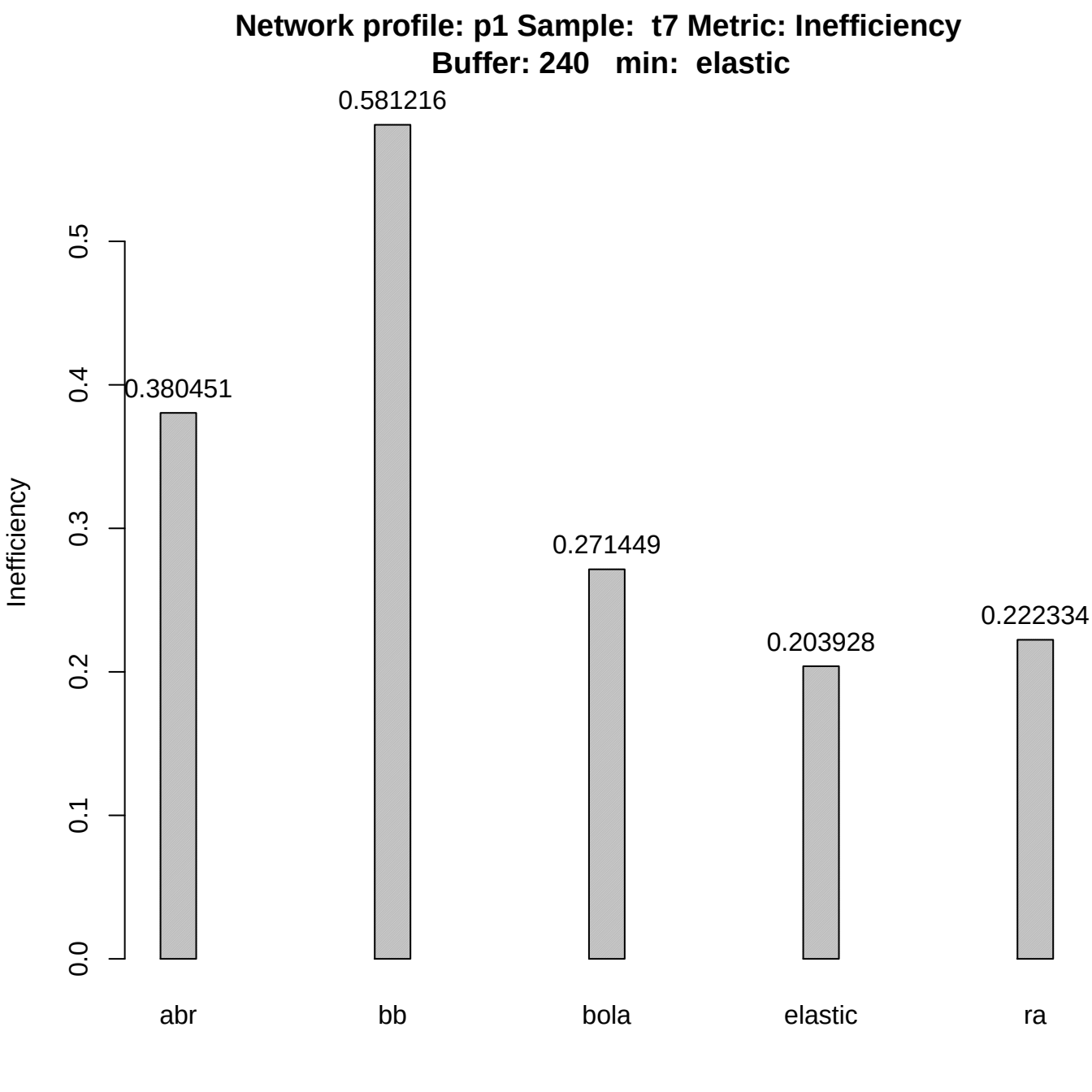

Network profile: p1 Sample: t5 Metric: # quality change
Buffer: 240 min: elastic
Quality changes
0
2
4
6
8
6
6
9
4
6
abr
bb
bola
elastic
ra

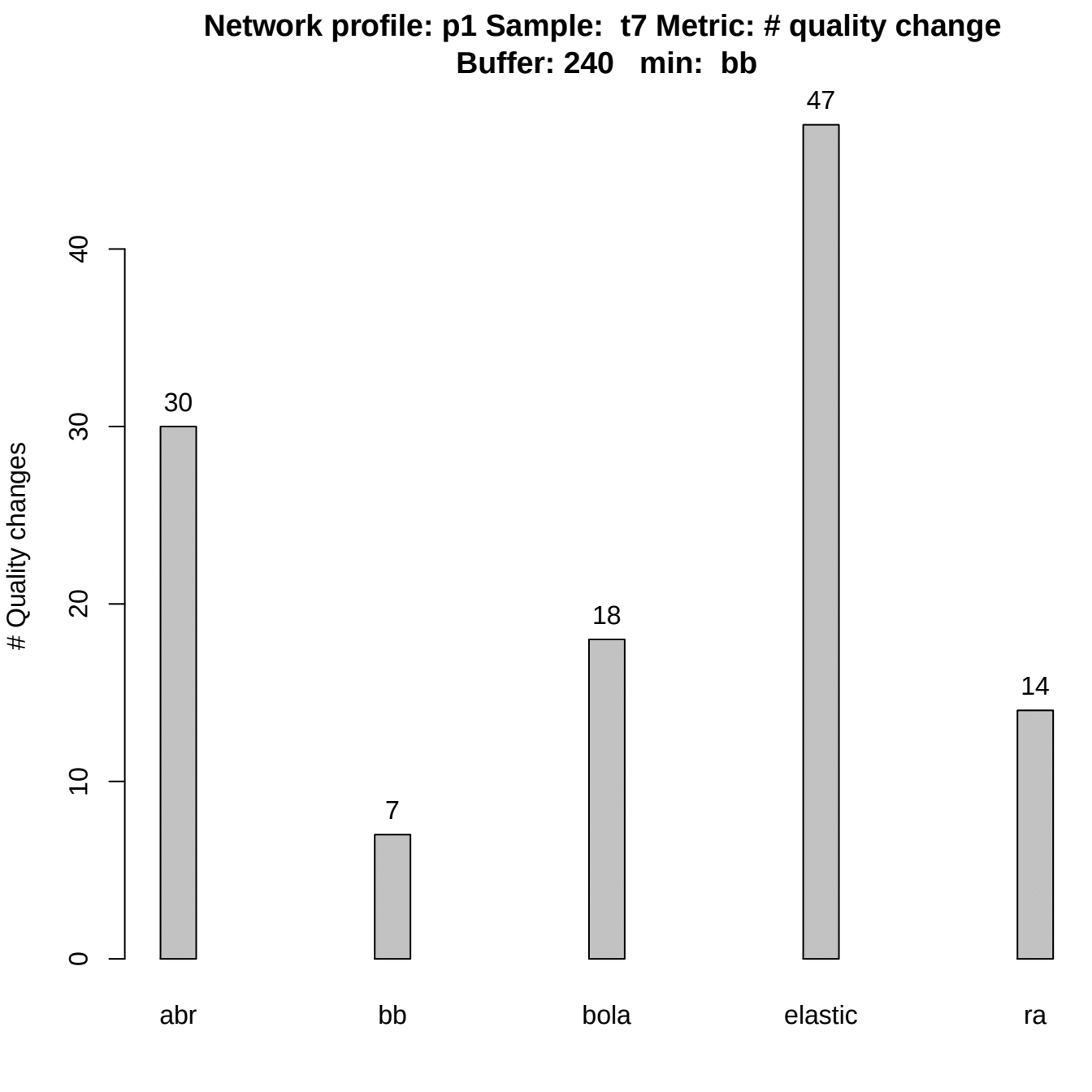

Network profile: p1 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
2500
1730.74
2581
2591.72
2786.75
2548.07
abr
bb
bola
elastic
ra

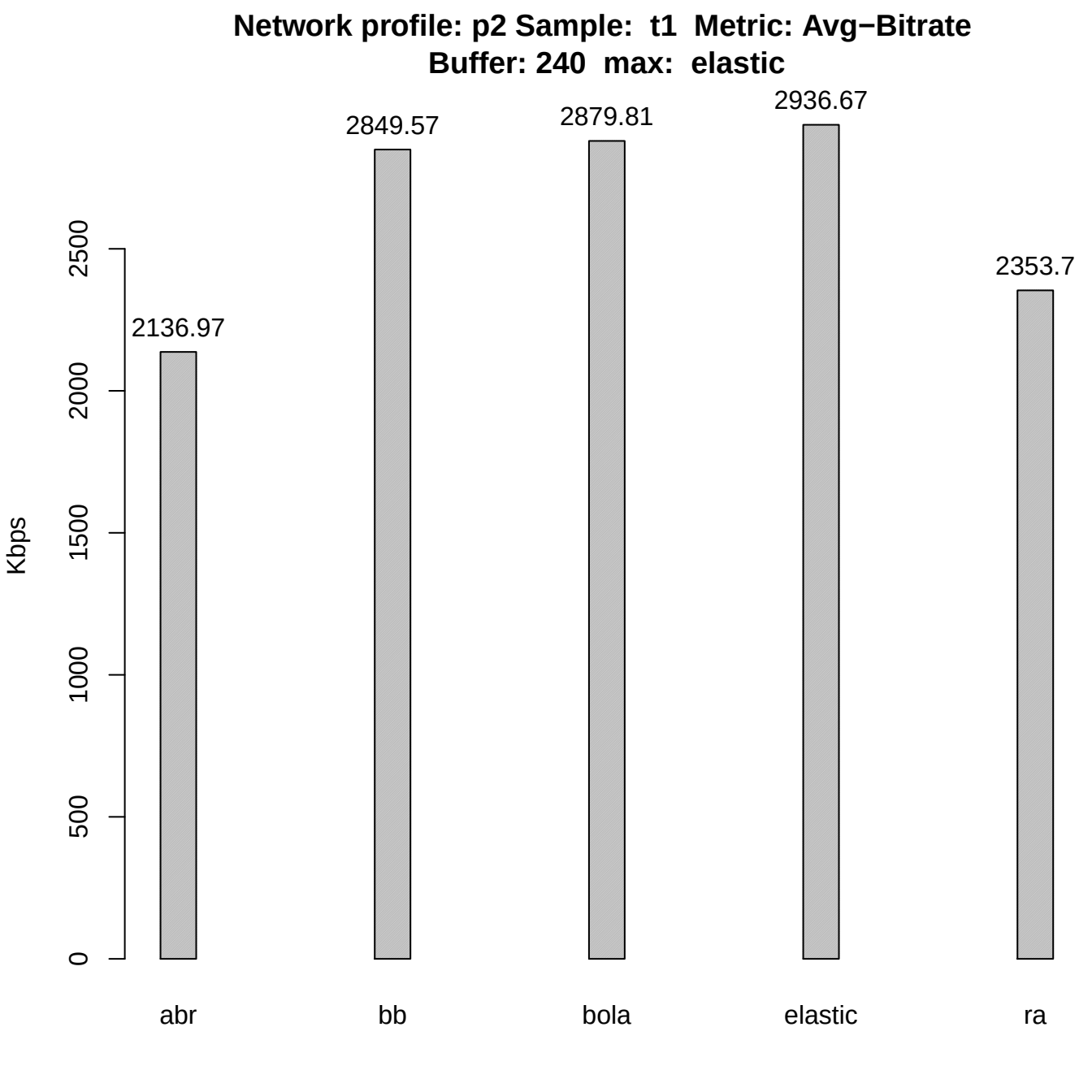

Network profile: p1 Sample: t6 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.464776
0.599309
0.291622
0.254743
0.291573
abr
bb
bola
elastic
ra

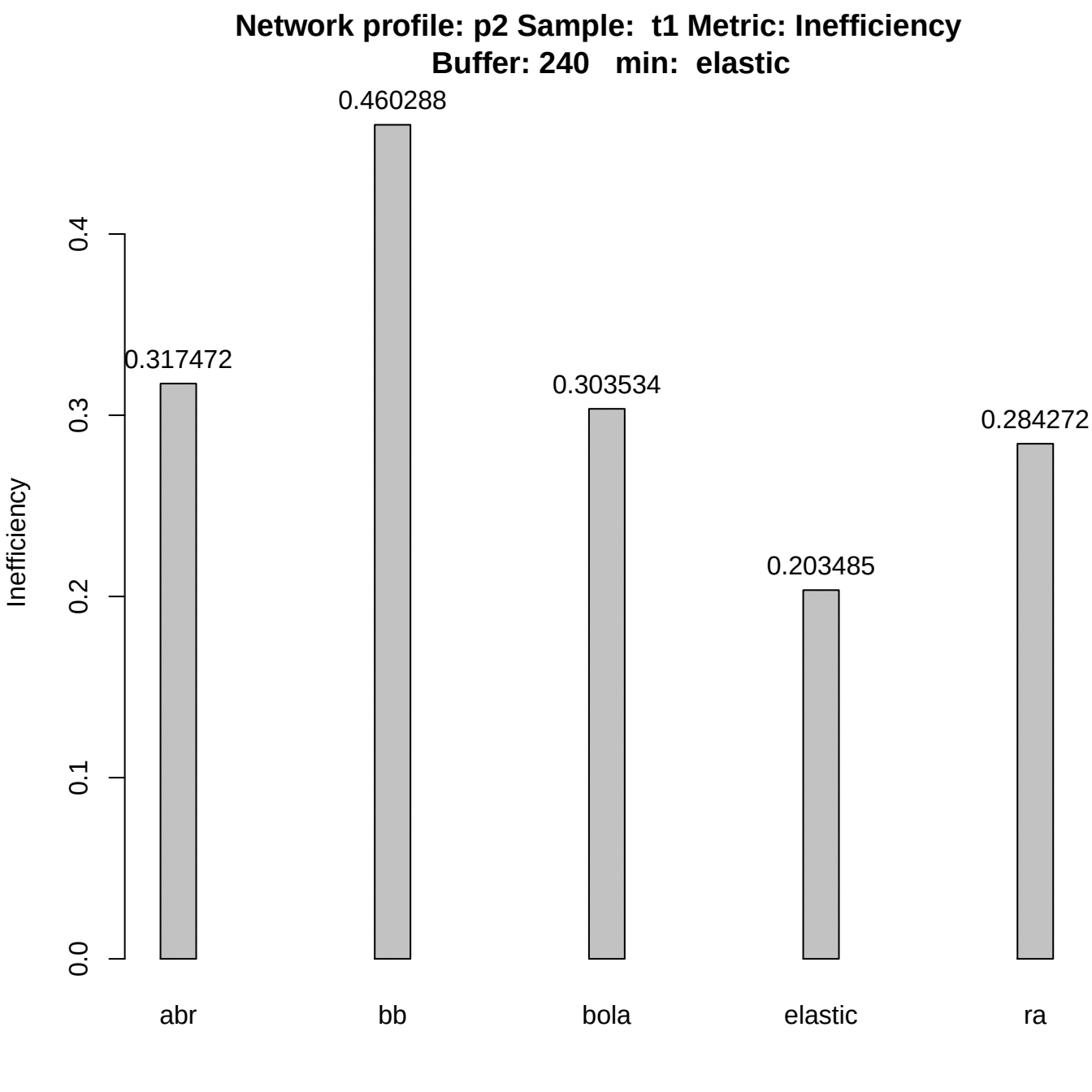

Network profile: p1 Sample: t6 Metric: # quality change
Buffer: 240 min: ra
Quality changes
0
10
20
30
40
50
55
24
21
46
16
abr
bb
bola
elastic
ra

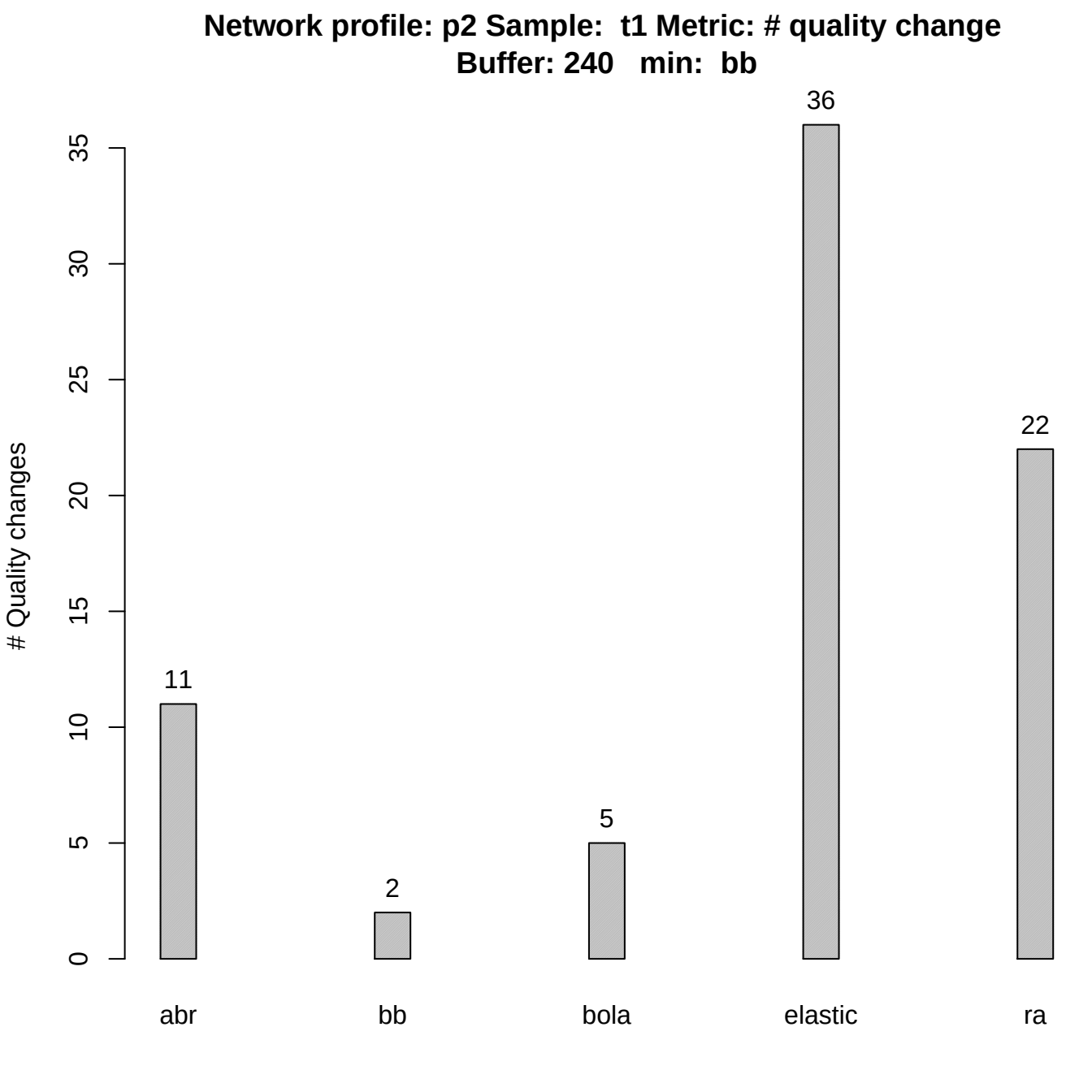

Network profile: p1 Sample: t7 Metric: Avg−Bitrate
Buffer: 240 max: bola
Kbps
0
500
1000
1500
2000
2500
2523.29
2466.26
2664
2657.37
2491.67
abr
bb
bola
elastic
ra

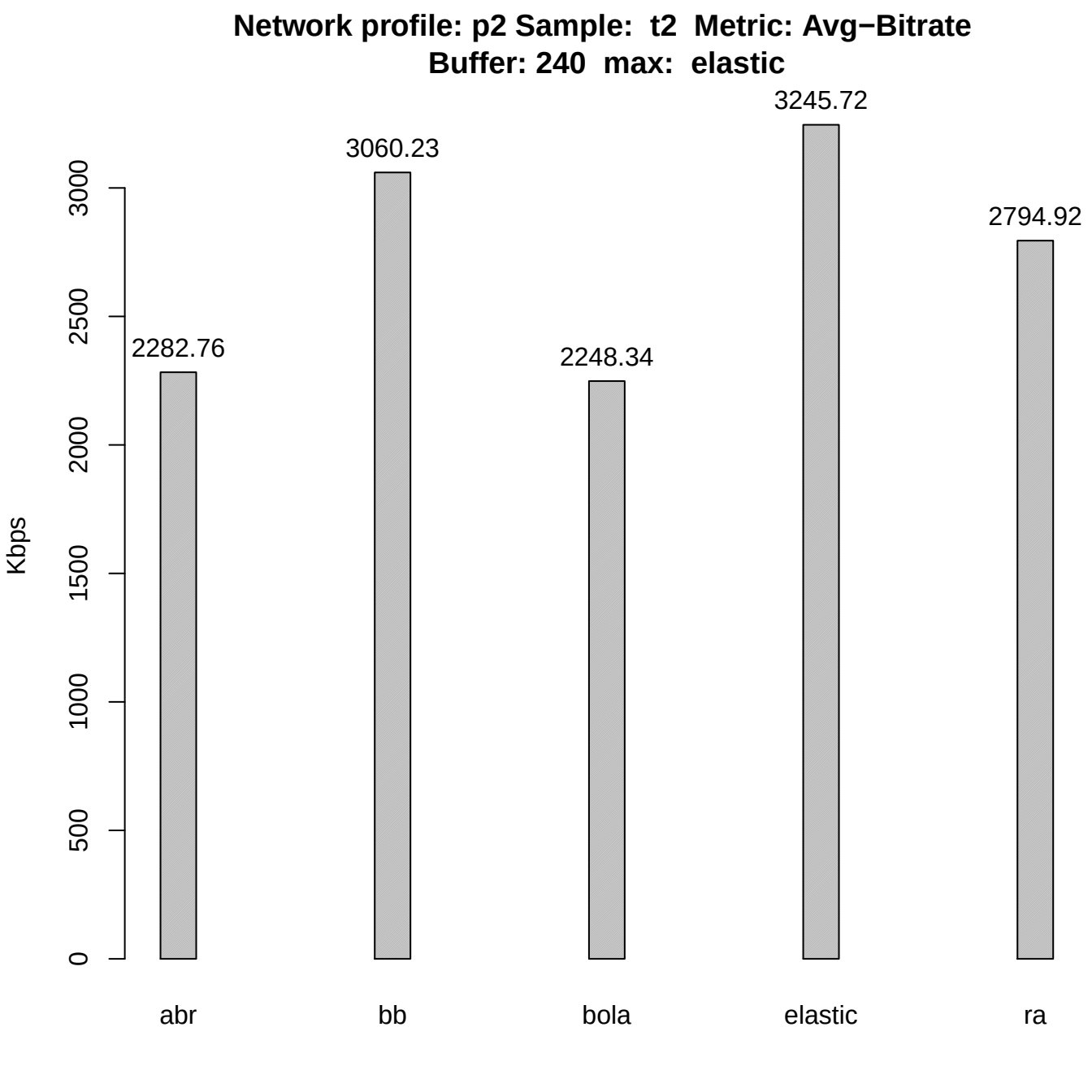

Network profile: p1 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.380451
0.581216
0.271449
0.203928
0.222334
abr
bb
bola
elastic
ra

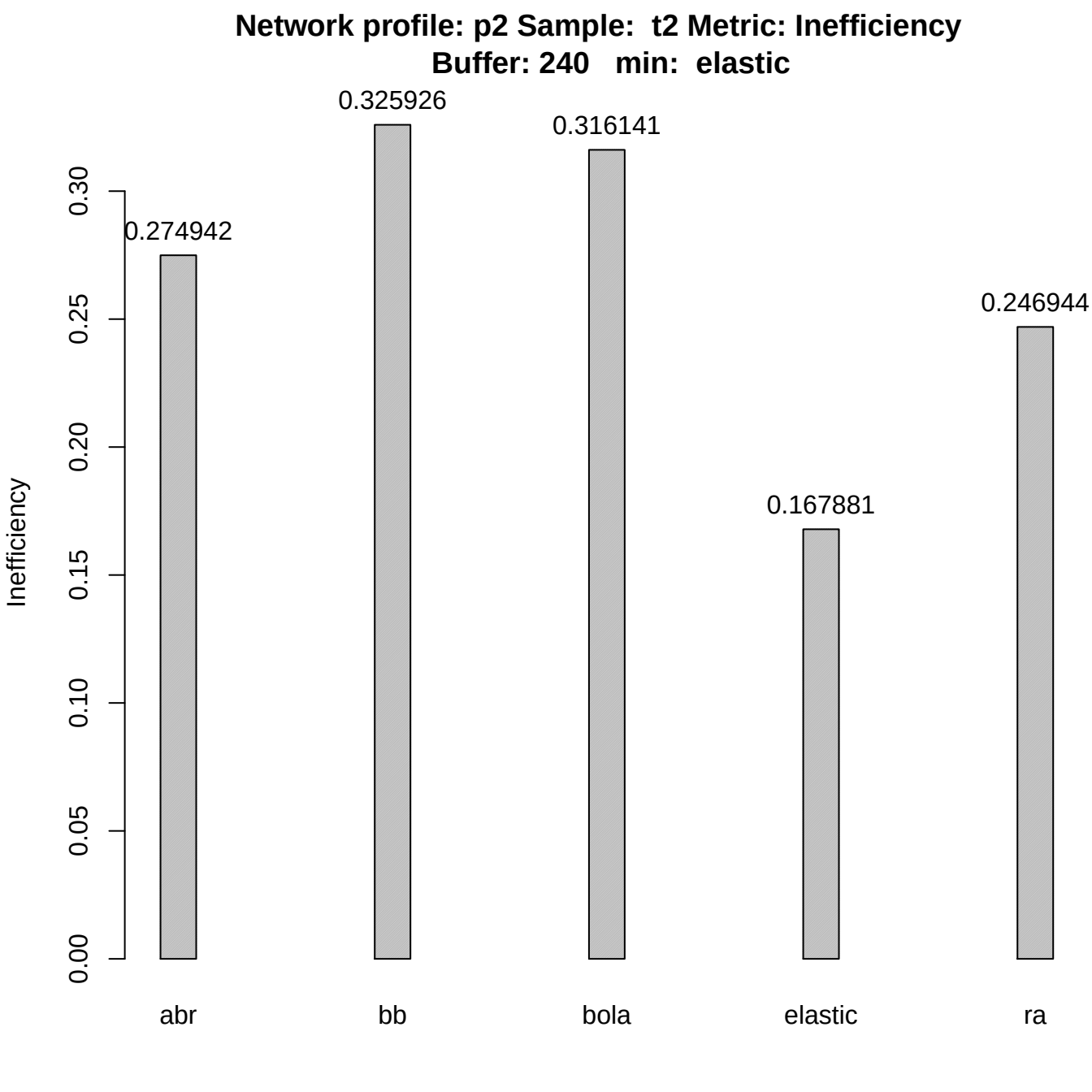

Network profile: p1 Sample: t7 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
10
20
30
40
30
7
18
47
14
abr
bb
bola
elastic
ra

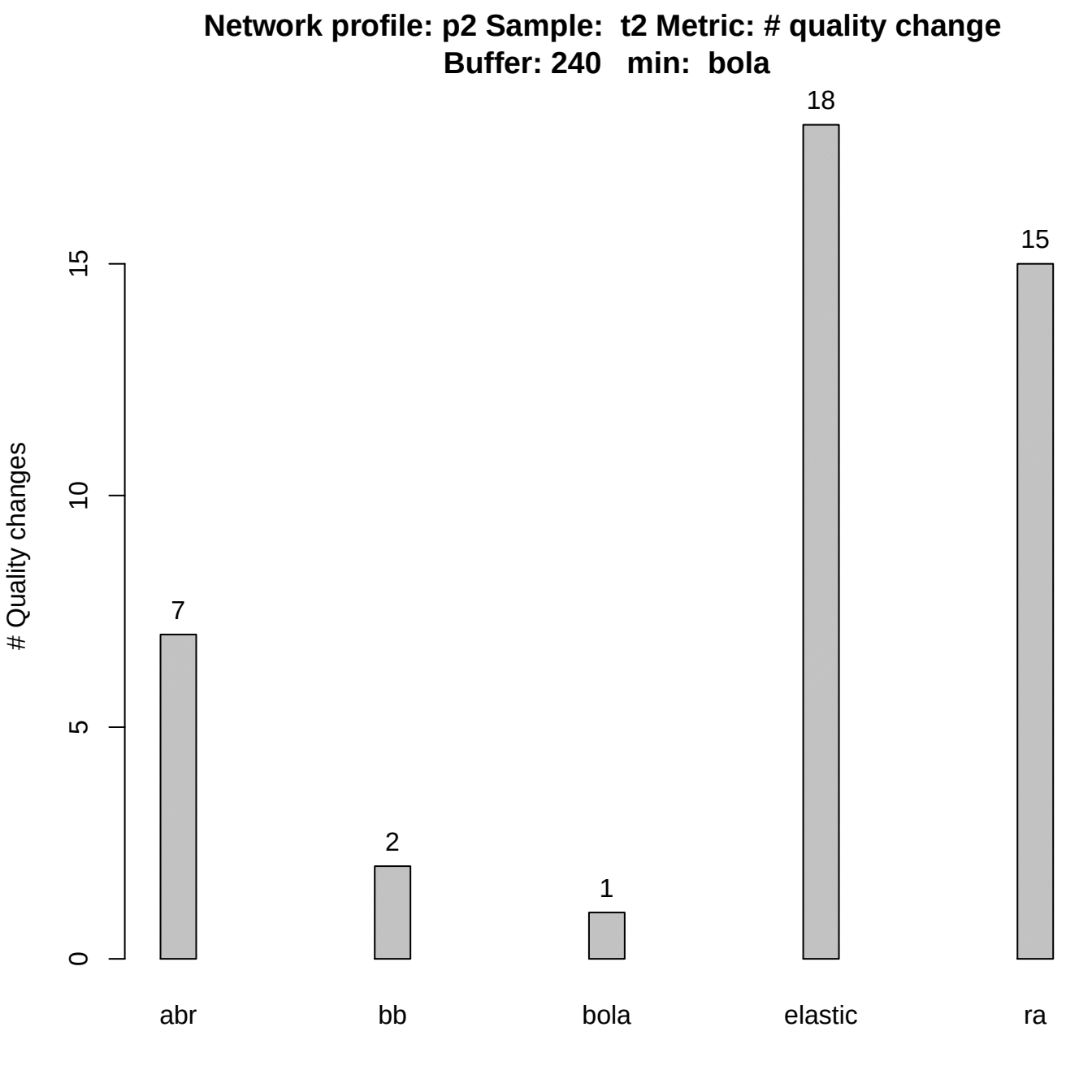

Network profile: p2 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
2500
2136.97
2849.57
2879.81
2936.67
2353.7
abr
bb
bola
elastic
ra

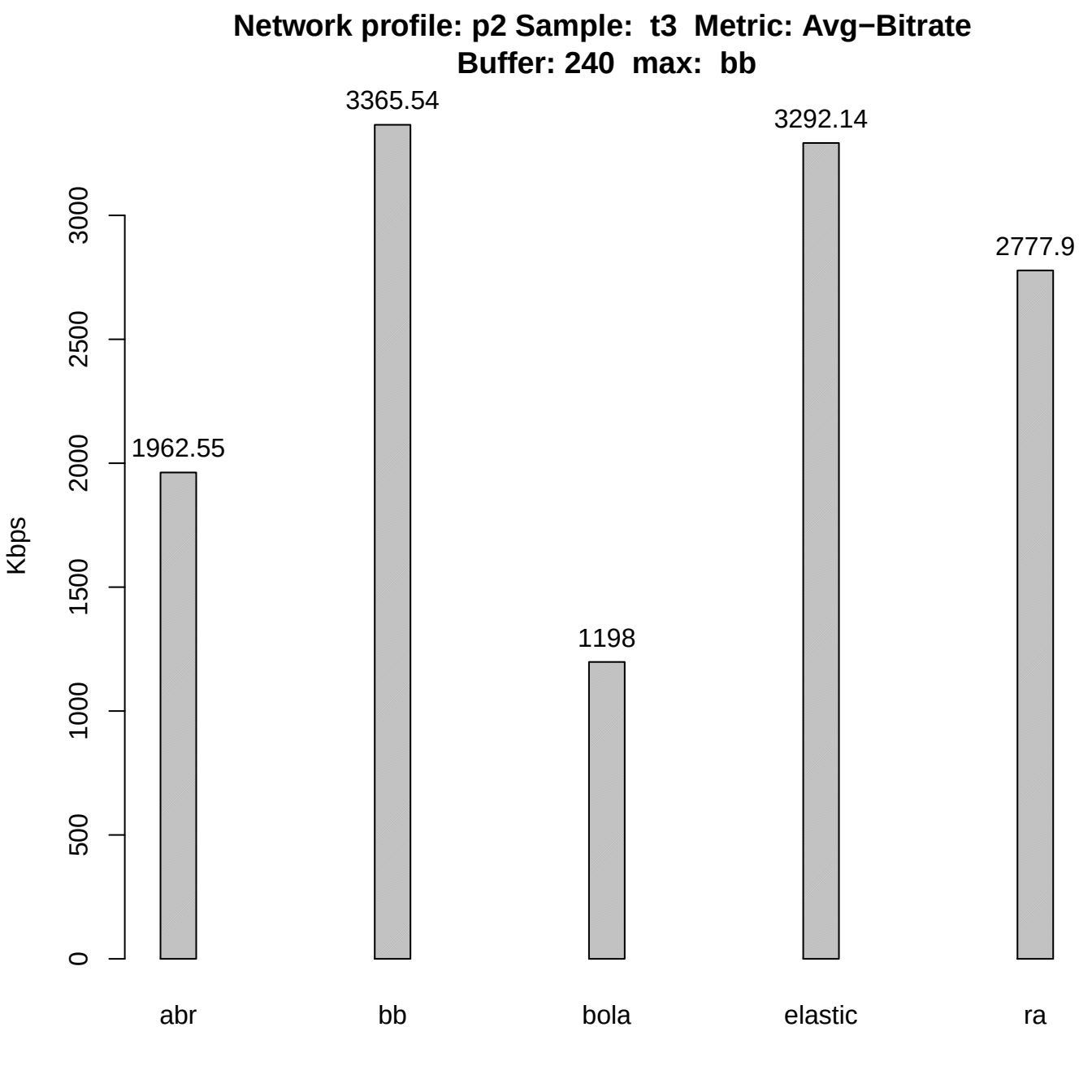

Network profile: p2 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.317472
0.460288
0.303534
0.203485
0.284272
abr
bb
bola
elastic
ra

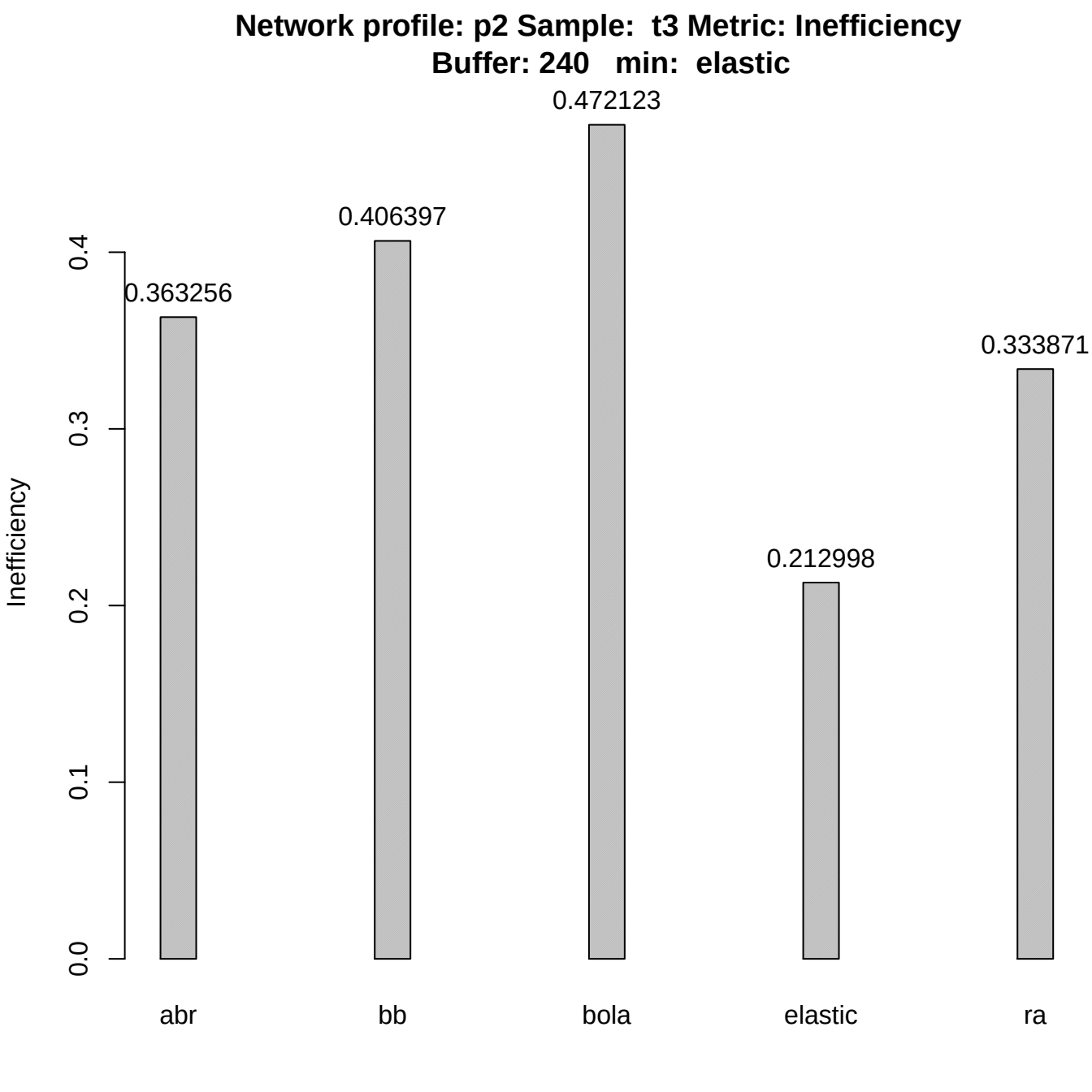

Network profile: p2 Sample: t1 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
5
10
15
20
25
30
35
11
2
5
36
22
abr
bb
bola
elastic
ra

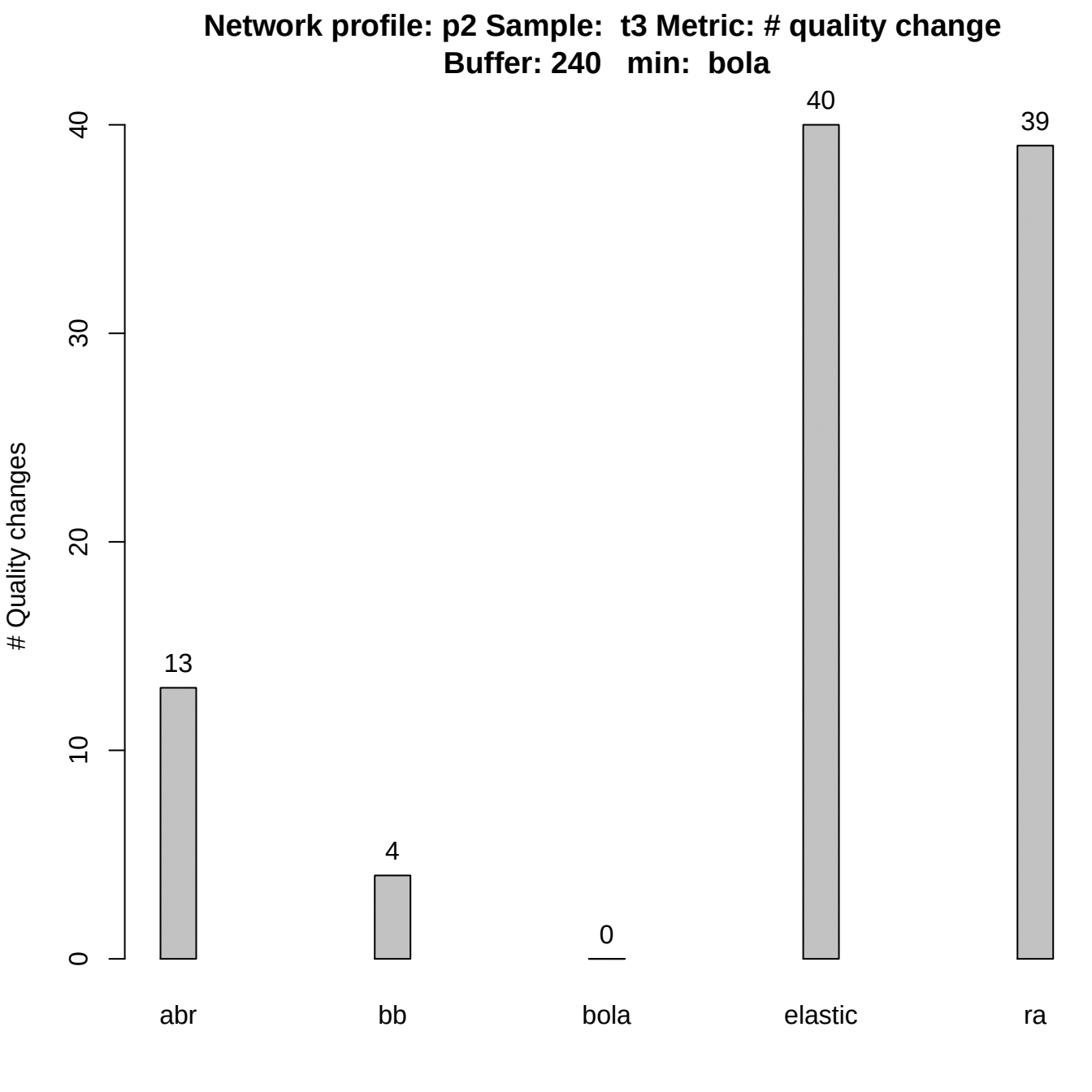

Network profile: p2 Sample: t2 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
2500
3000
2282.76
3060.23
2248.34
3245.72
2794.92
abr
bb
bola
elastic
ra

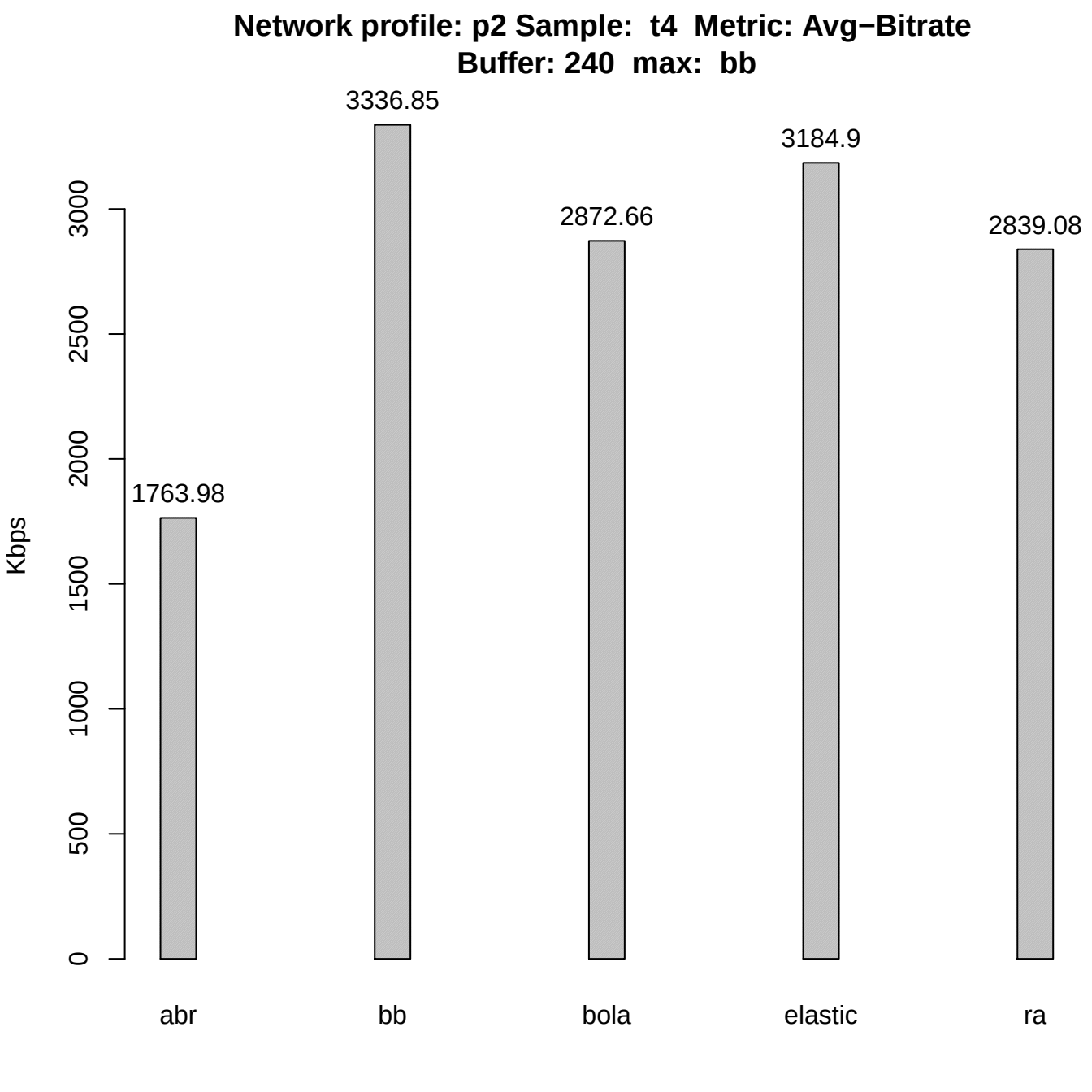

Network profile: p2 Sample: t2 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.274942
0.325926
0.316141
0.167881
0.246944
abr
bb
bola
elastic
ra

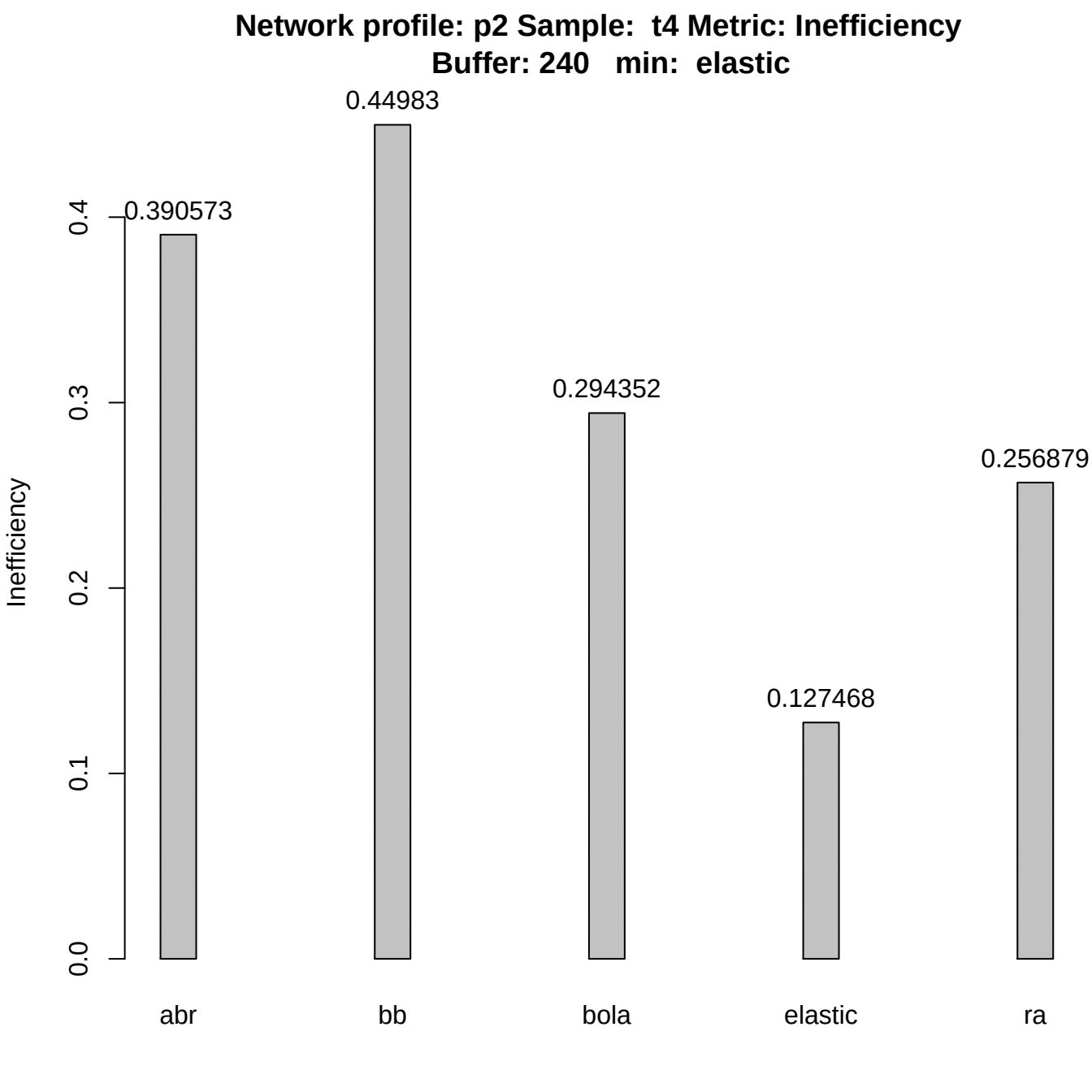

Network profile: p2 Sample: t2 Metric: # quality change
Buffer: 240 min: bola
Quality changes
0
5
10
15
7
2
1
18
15
abr
bb
bola
elastic
ra

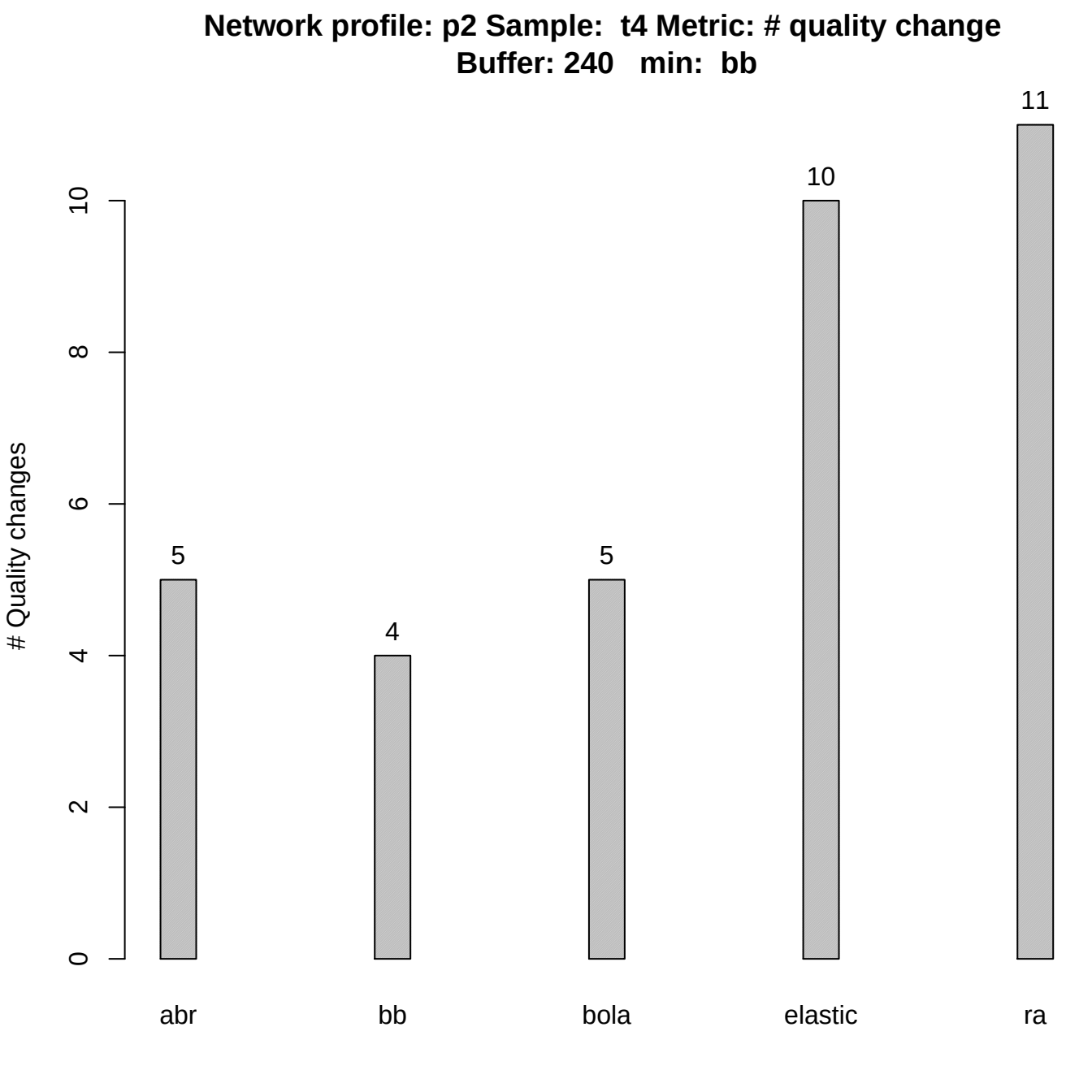

Network profile: p2 Sample: t3 Metric: Avg−Bitrate
Buffer: 240 max: bb
Kbps
0
500
1000
1500
2000
2500
3000
1962.55
3365.54
1198
3292.14
2777.9
abr
bb
bola
elastic
ra

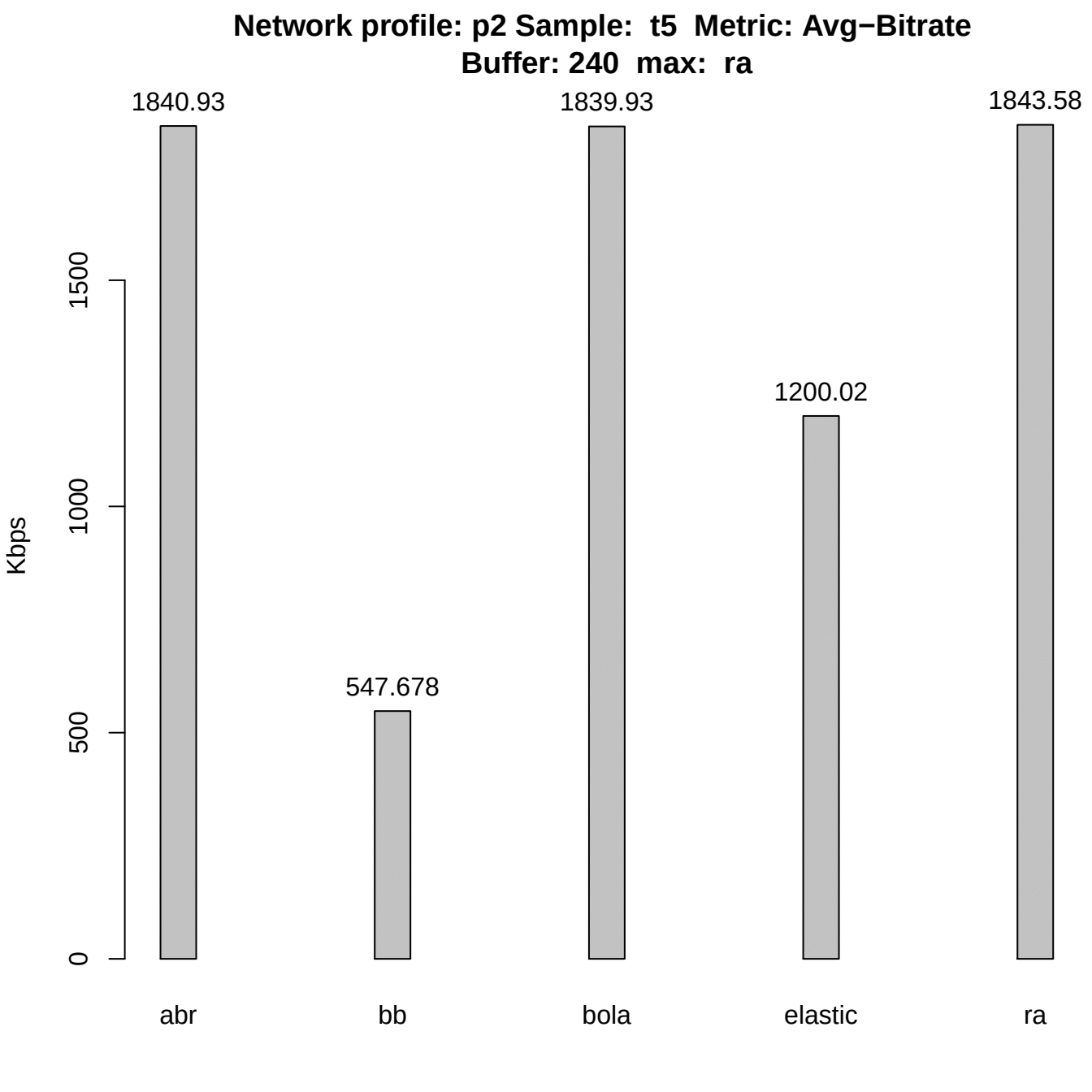

Network profile: p2 Sample: t3 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.363256
0.406397
0.472123
0.212998
0.333871
abr
bb
bola
elastic
ra

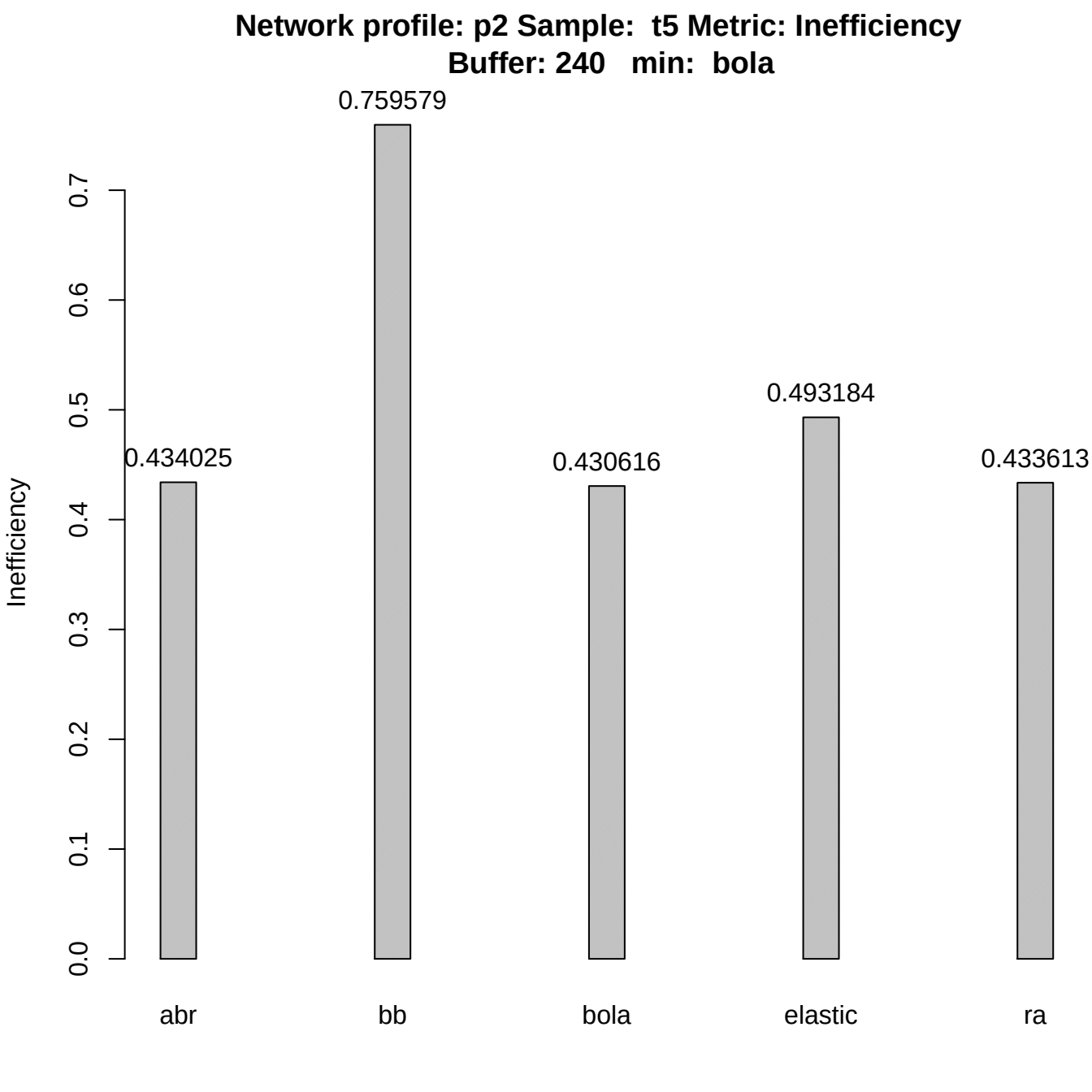

Network profile: p2 Sample: t3 Metric: # quality change
Buffer: 240 min: bola
Quality changes
0
10
20
30
40
13
4
0
40
39
abr
bb
bola
elastic
ra

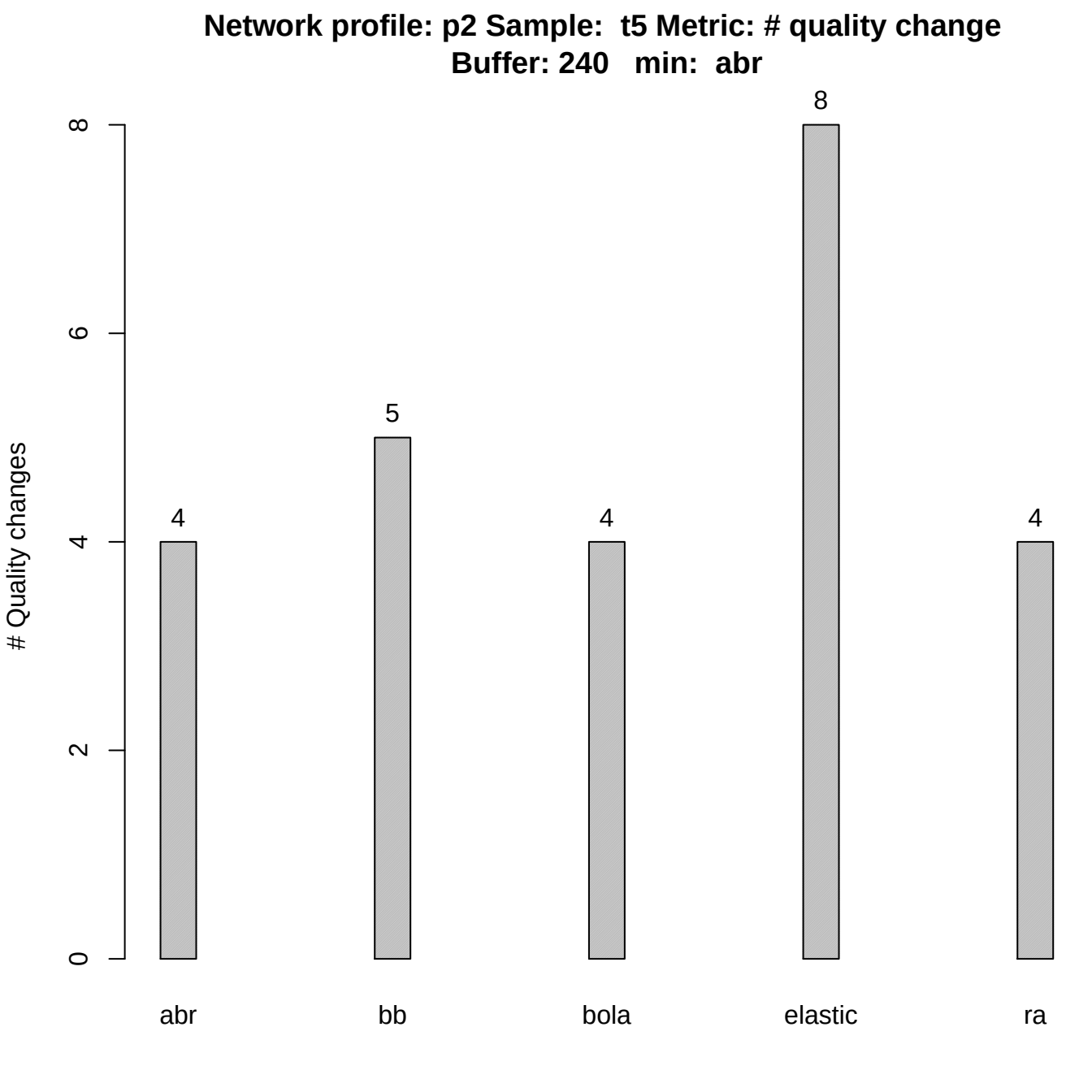

Network profile: p2 Sample: t4 Metric: Avg−Bitrate
Buffer: 240 max: bb
Kbps
0
500
1000
1500
2000
2500
3000
1763.98
3336.85
2872.66
3184.9
2839.08
abr
bb
bola
elastic
ra

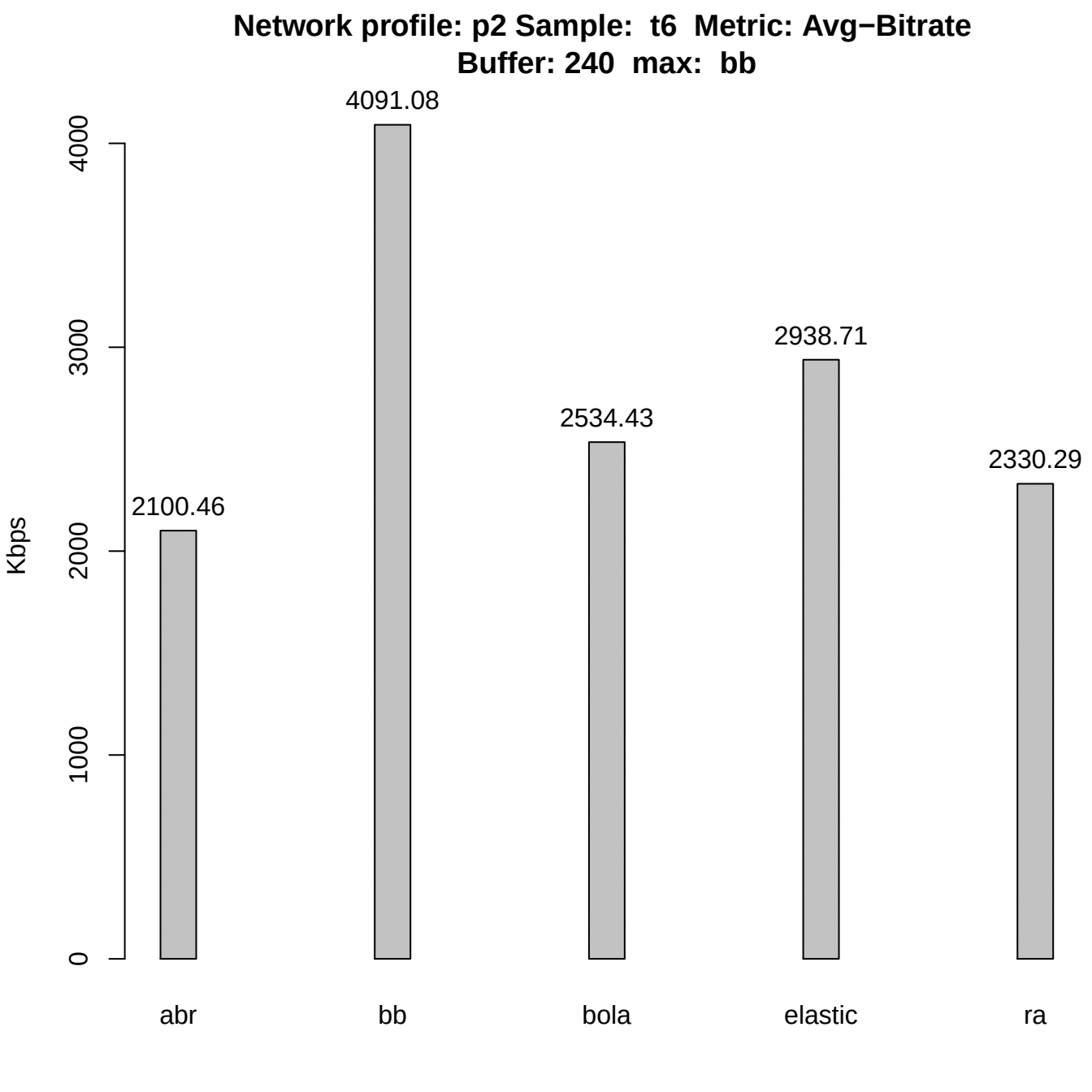

Network profile: p2 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.390573
0.44983
0.294352
0.127468
0.256879
abr
bb
bola
elastic
ra

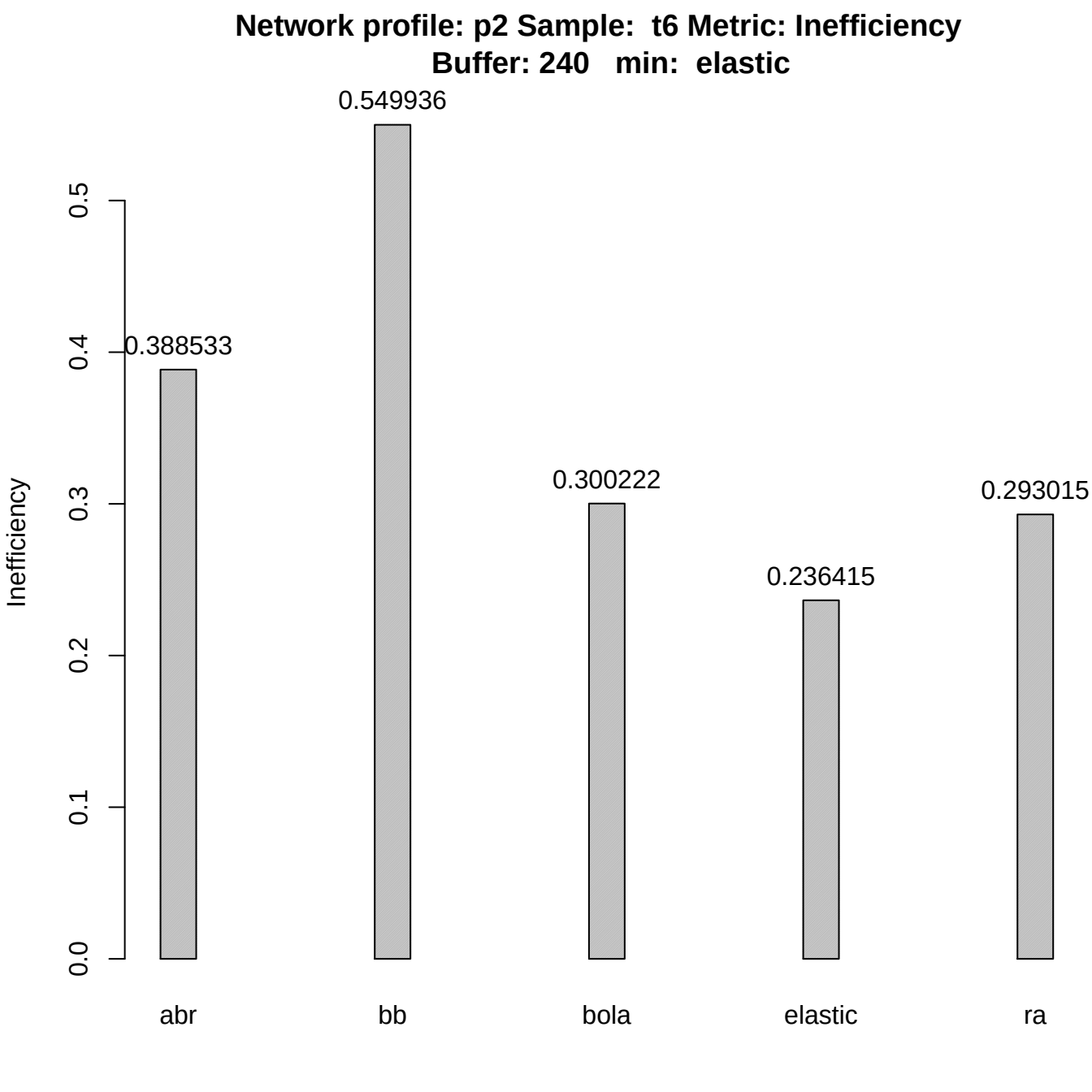

Network profile: p2 Sample: t4 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
2
4
6
8
10
5
4
5
10
11
abr
bb
bola
elastic
ra

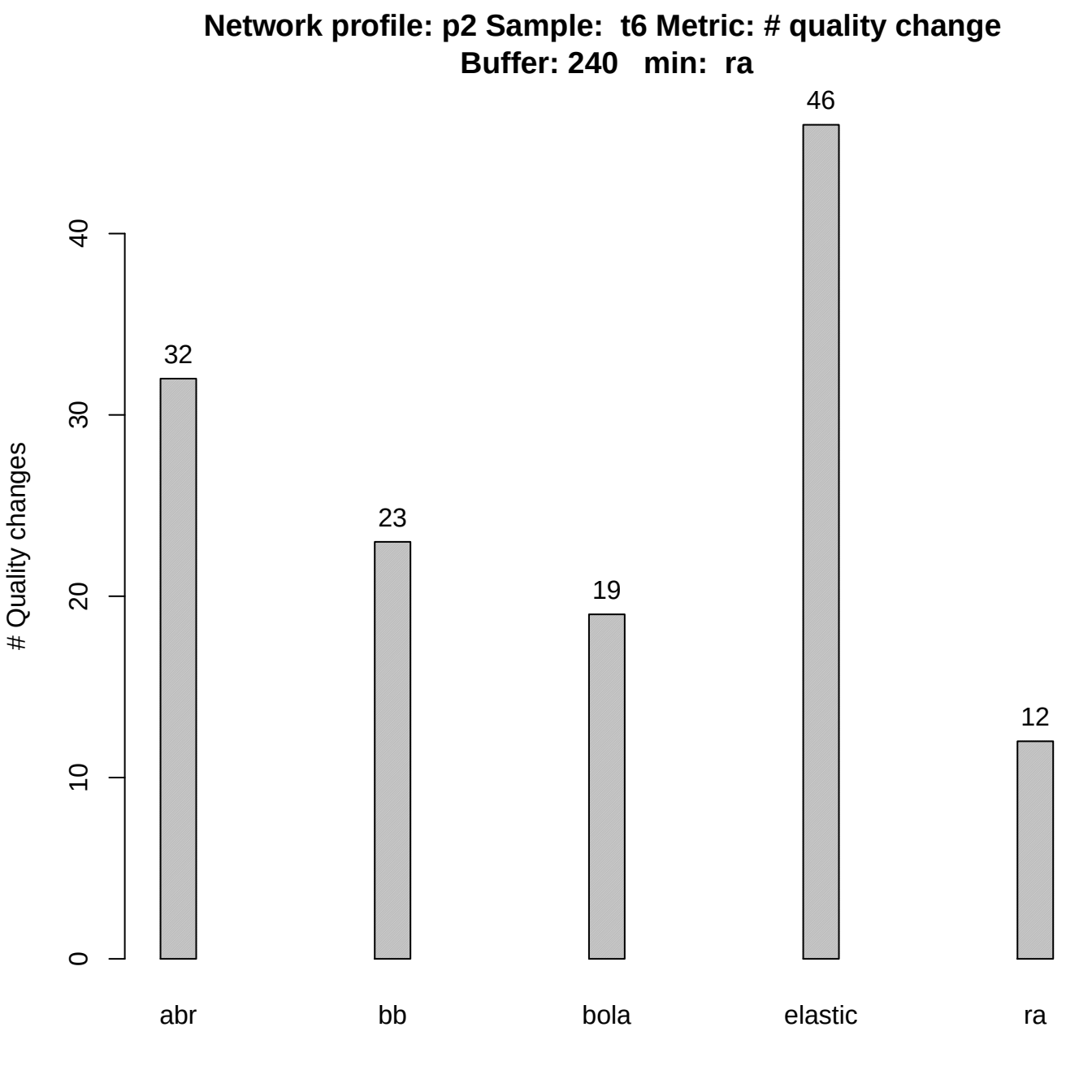

Network profile: p2 Sample: t5 Metric: Avg−Bitrate
Buffer: 240 max: ra
1840.93
1839.93
1843.58
1200.02
547.678
Kbps
0
500
1000
1500
abr
bb
bola
elastic
ra

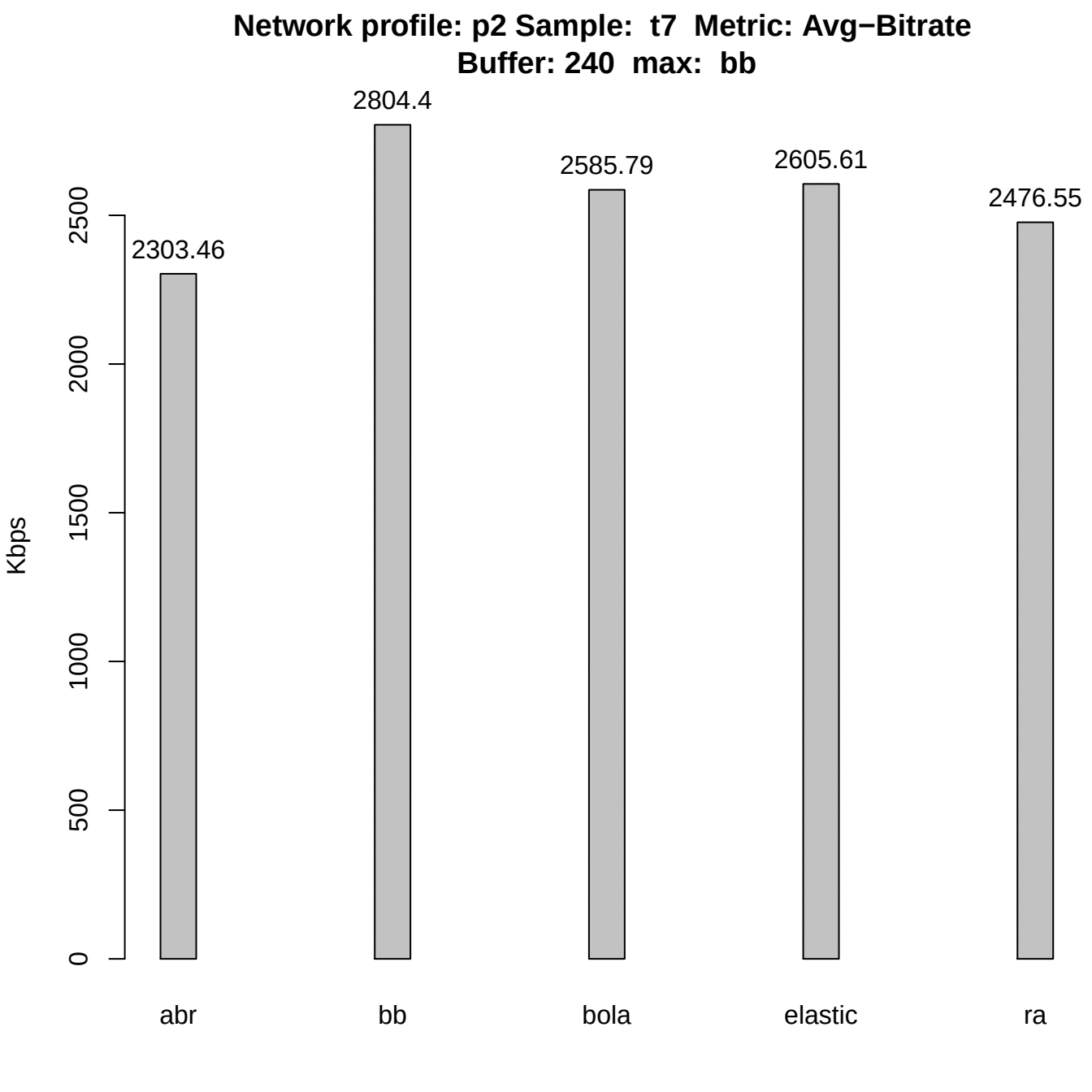

Network profile: p2 Sample: t5 Metric: Inefficiency
Buffer: 240 min: bola
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.434025
0.759579
0.430616
0.493184
0.433613
abr
bb
bola
elastic
ra

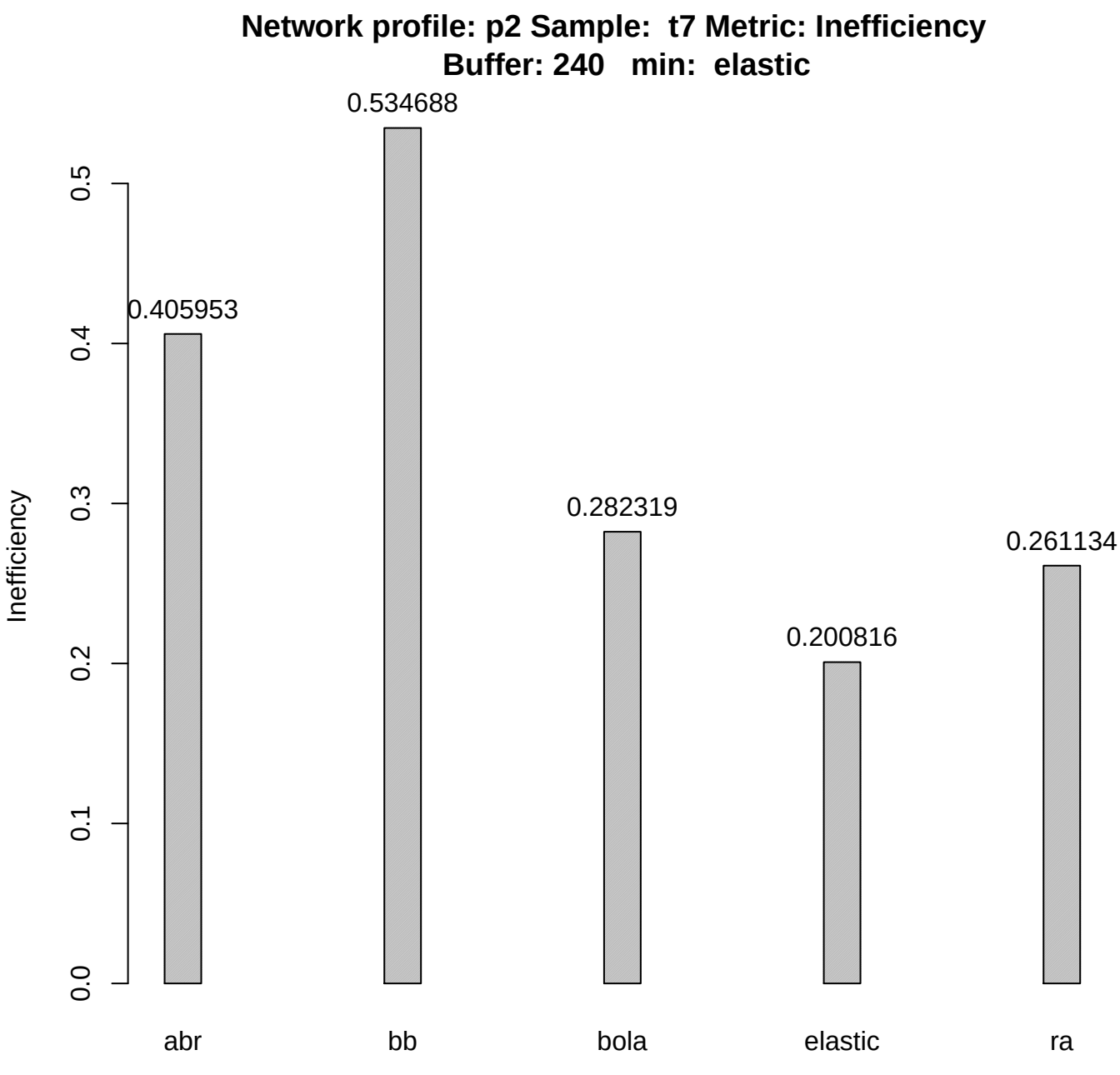

Network profile: p2 Sample: t5 Metric: # quality change
Buffer: 240 min: abr
Quality changes
0
2
4
6
8
4
5
4
8
4
abr
bb
bola
elastic
ra

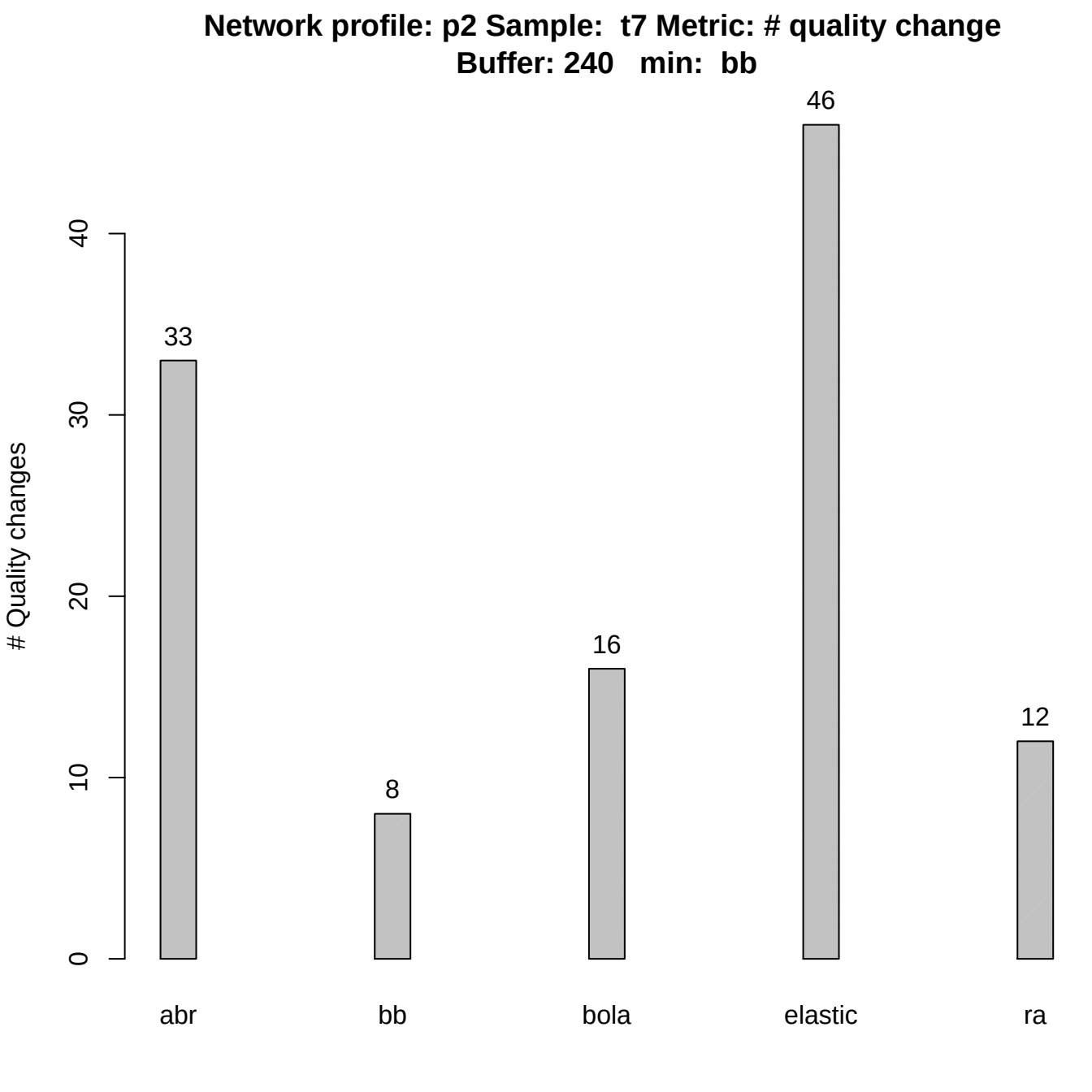

Network profile: p2 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: bb
Kbps
0
1000
2000
3000
4000
2100.46
4091.08
2534.43
2938.71
2330.29
abr
bb
bola
elastic
ra

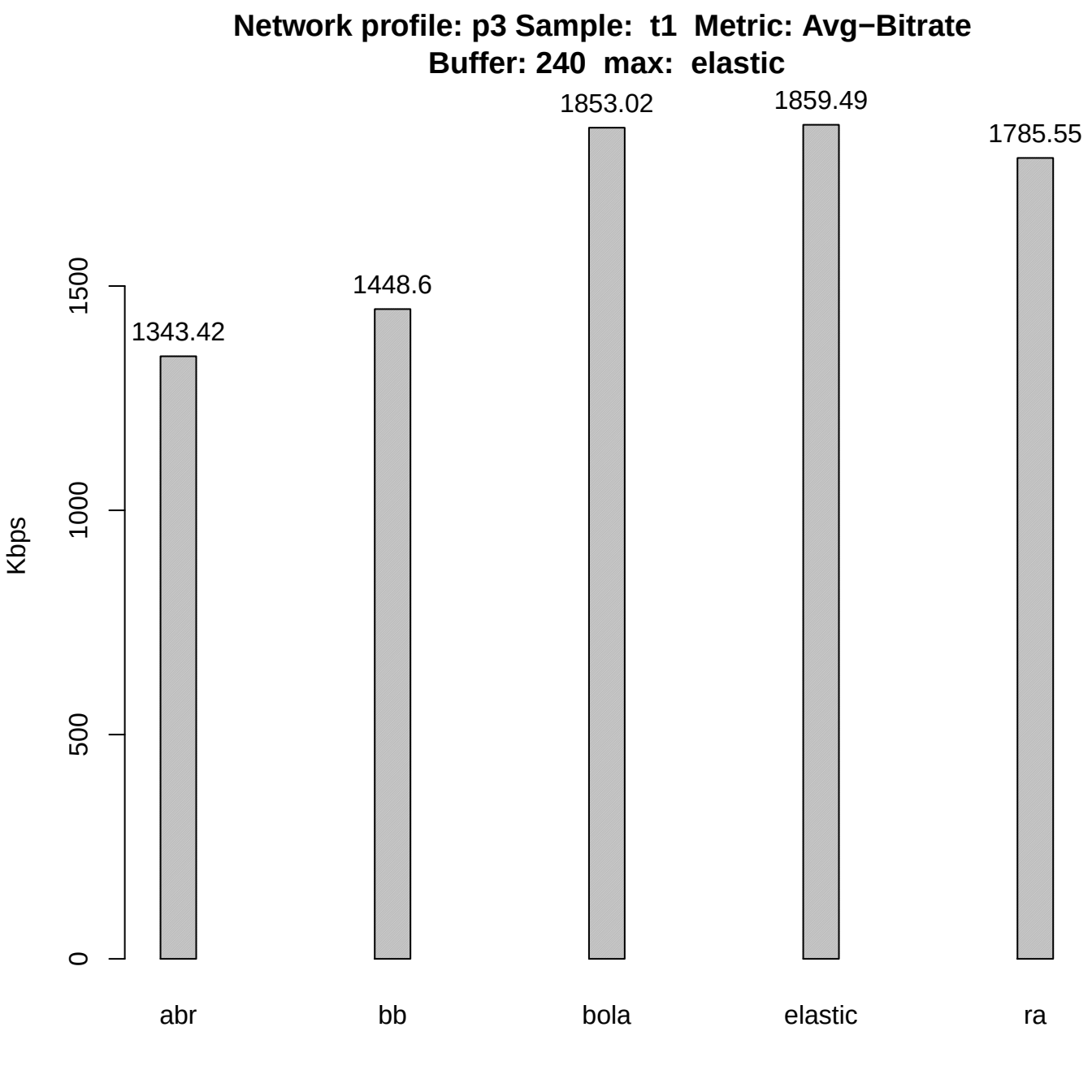

Network profile: p2 Sample: t6 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.388533
0.549936
0.300222
0.236415
0.293015
abr
bb
bola
elastic
ra

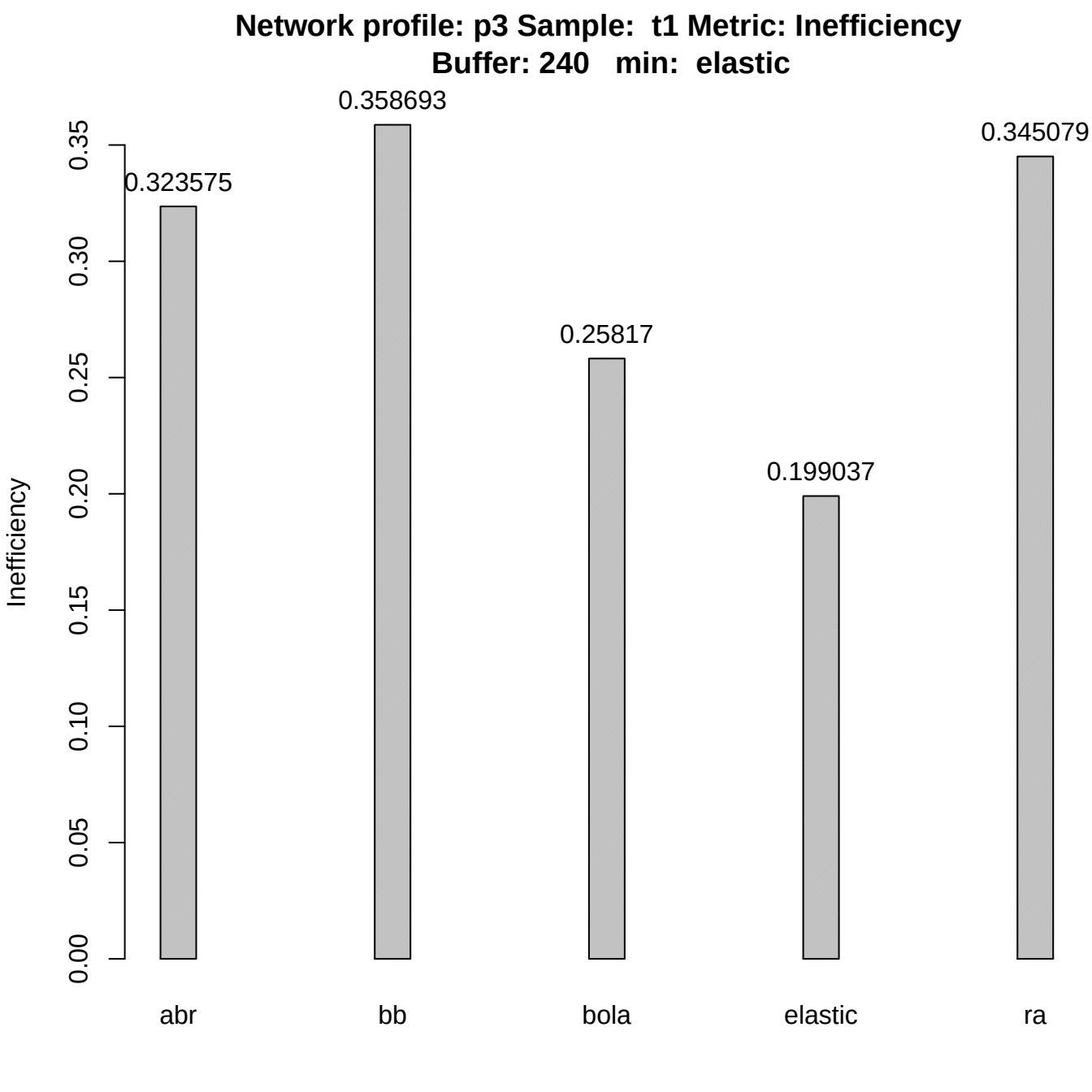

Network profile: p2 Sample: t6 Metric: # quality change
Buffer: 240 min: ra
Quality changes
0
10
20
30
40
32
23
19
46
12
abr
bb
bola
elastic
ra

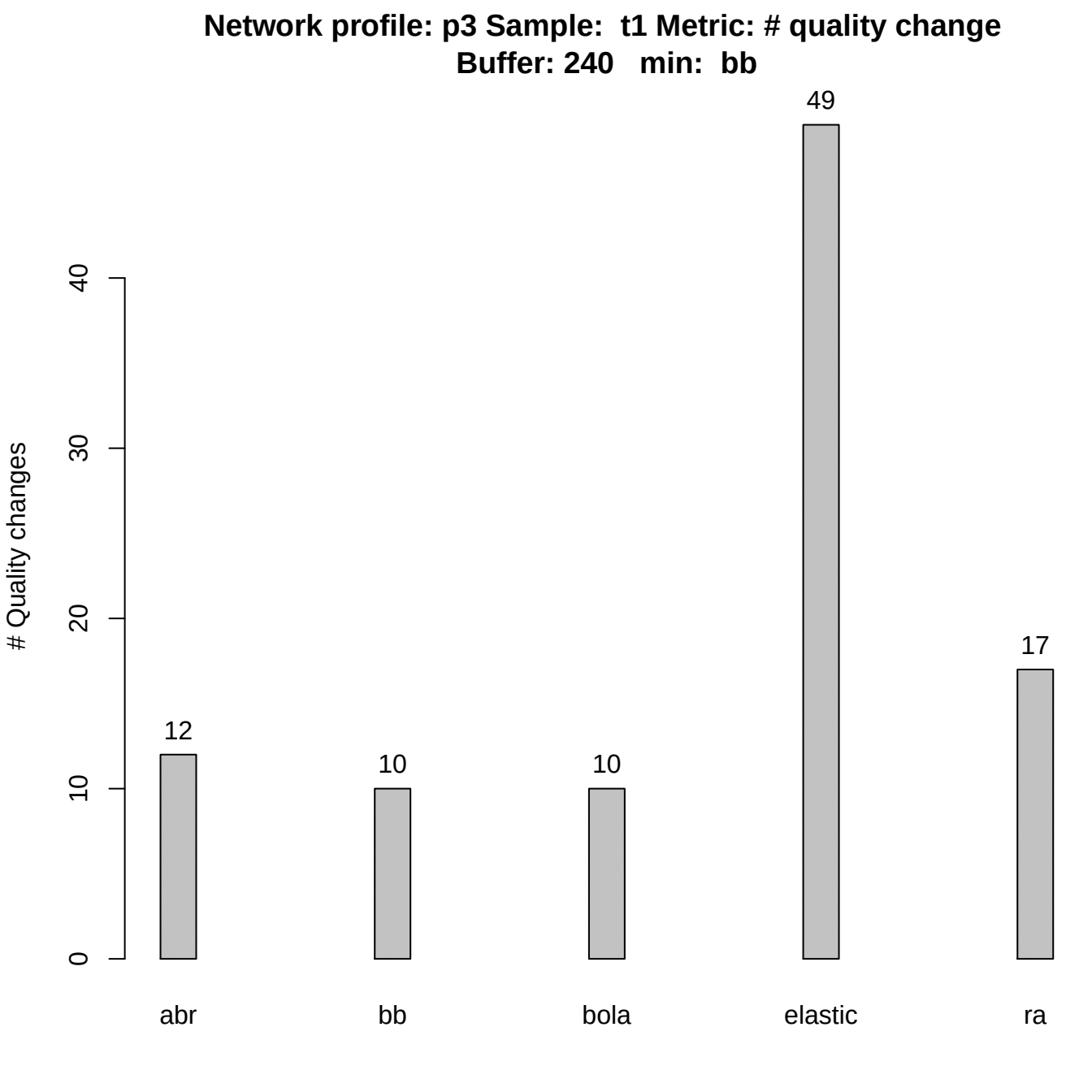

Network profile: p2 Sample: t7 Metric: Avg−Bitrate
Buffer: 240 max: bb
Kbps
0
500
1000
1500
2000
2500
2303.46
2804.4
2585.79
2605.61
2476.55
abr
bb
bola
elastic
ra

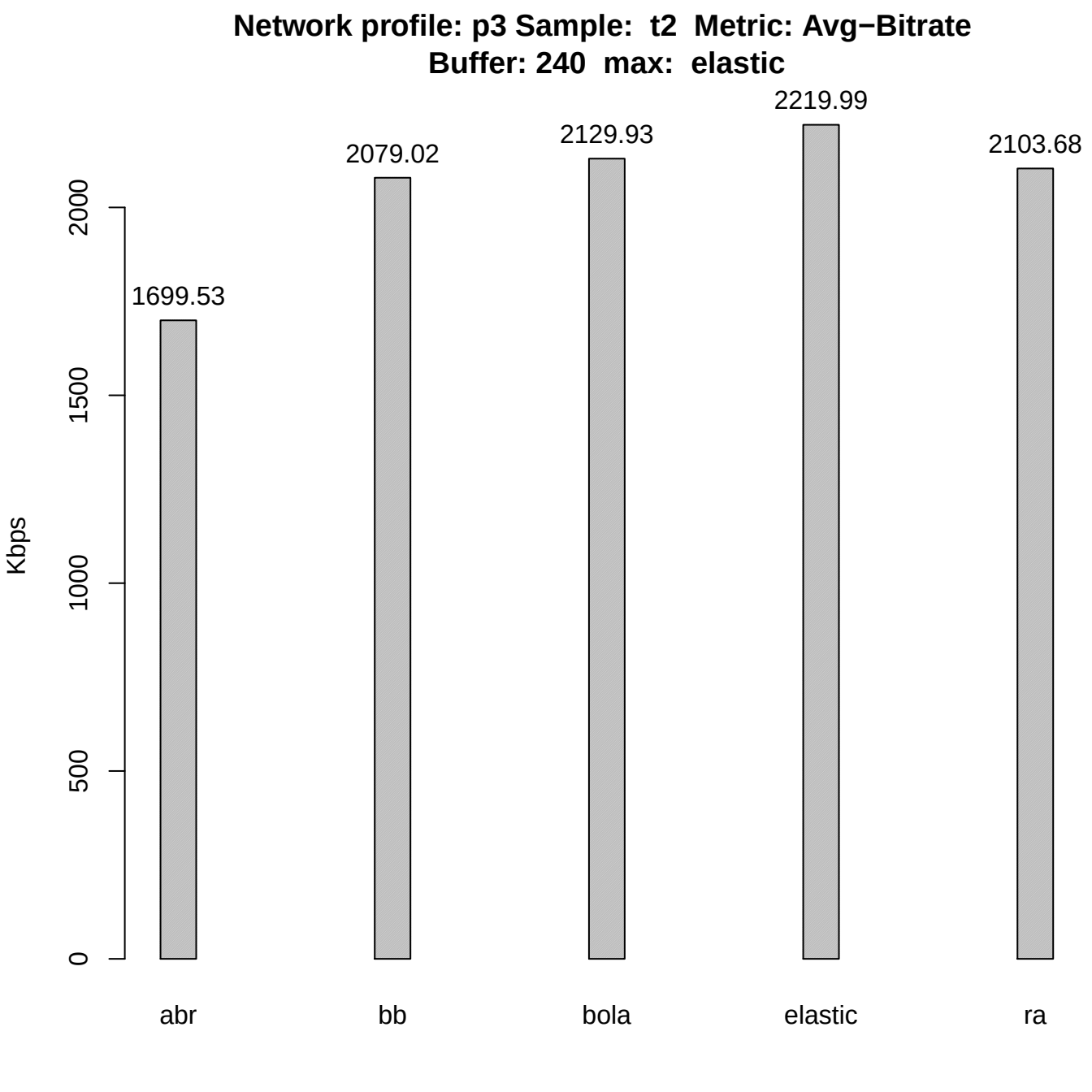

Network profile: p2 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.405953
0.534688
0.282319
0.200816
0.261134
abr
bb
bola
elastic
ra

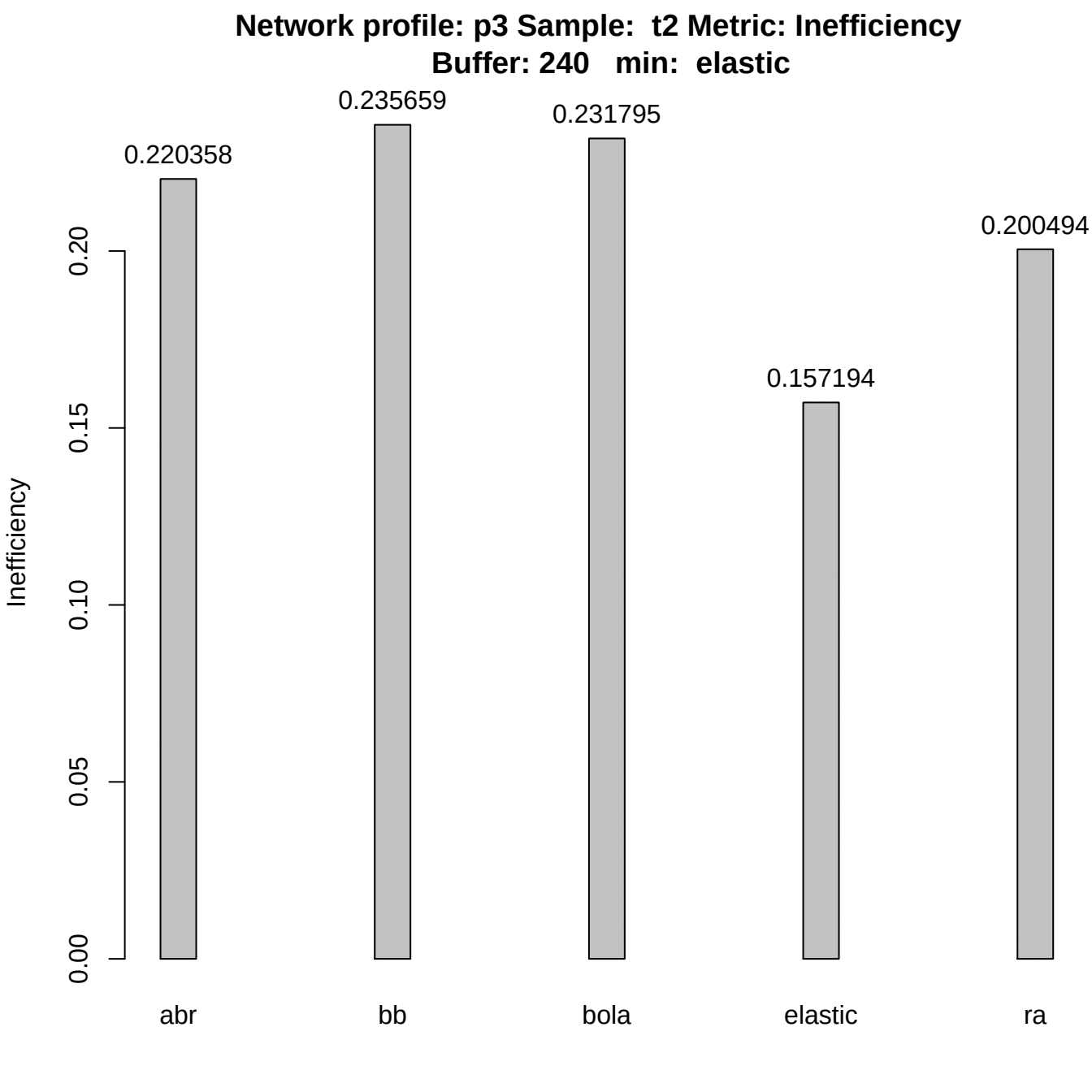

Network profile: p2 Sample: t7 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
10
20
30
40
33
8
16
46
12
abr
bb
bola
elastic
ra

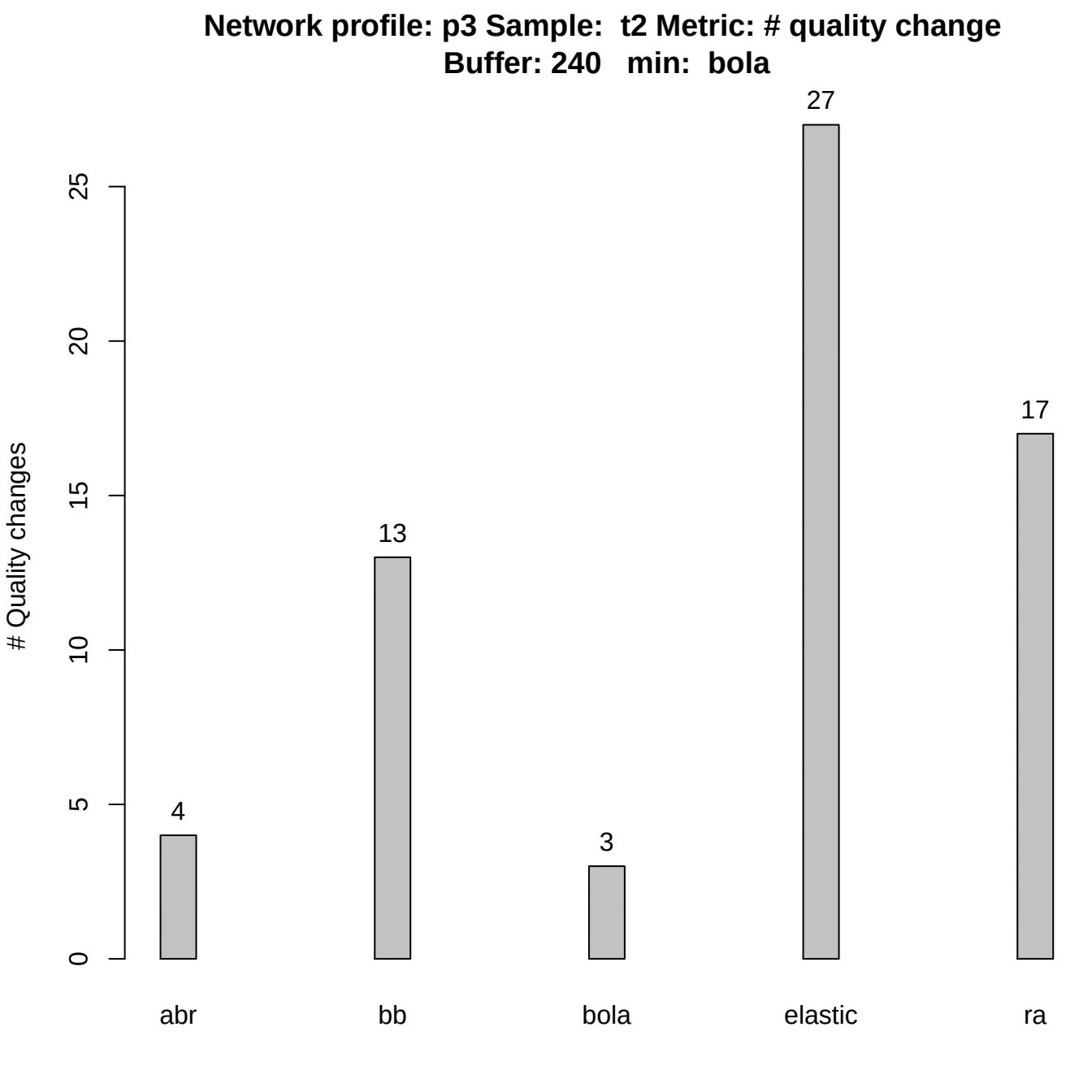

Network profile: p3 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
1343.42
1448.6
1853.02
1859.49
1785.55
abr
bb
bola
elastic
ra

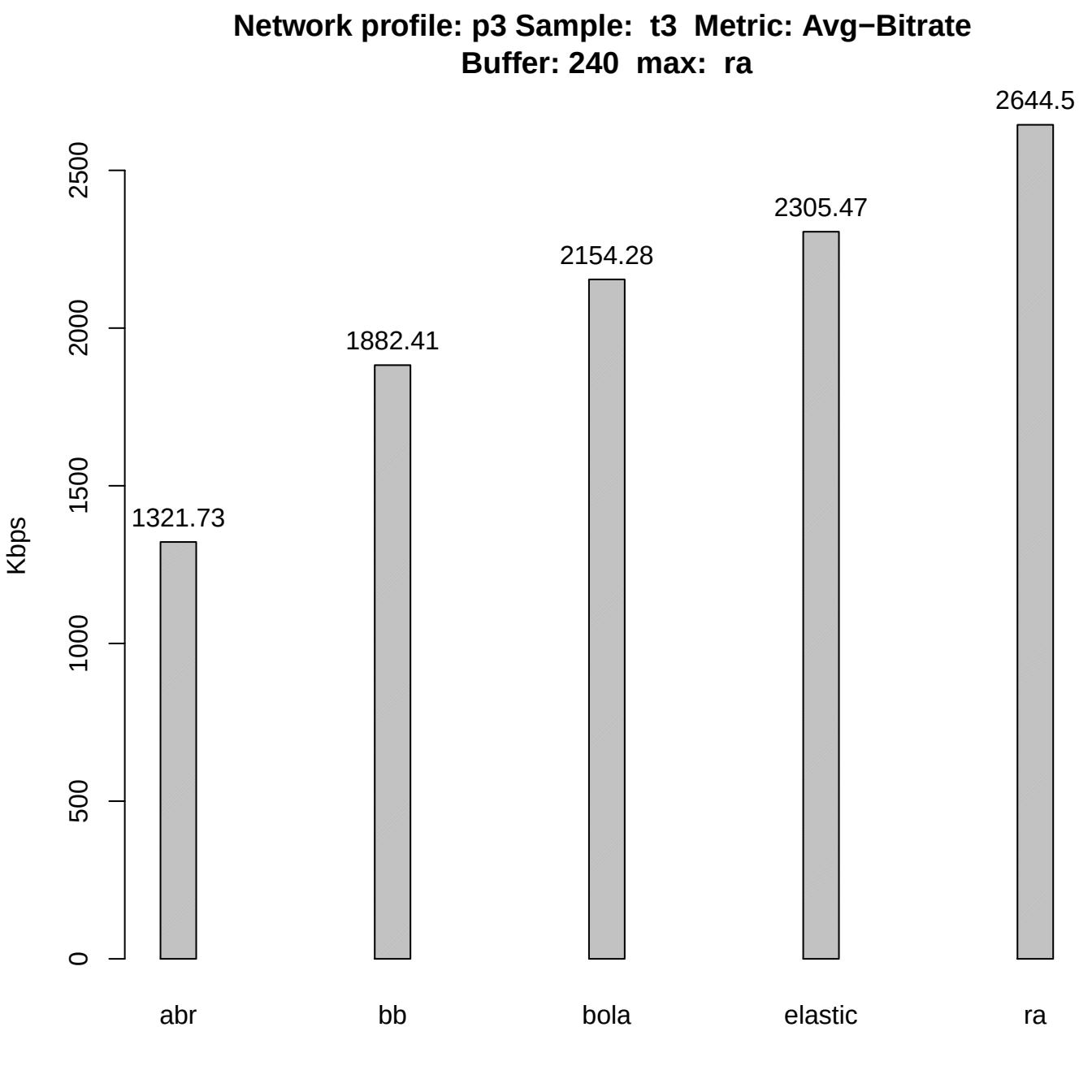

Network profile: p3 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.323575
0.358693
0.25817
0.199037
0.345079
abr
bb
bola
elastic
ra

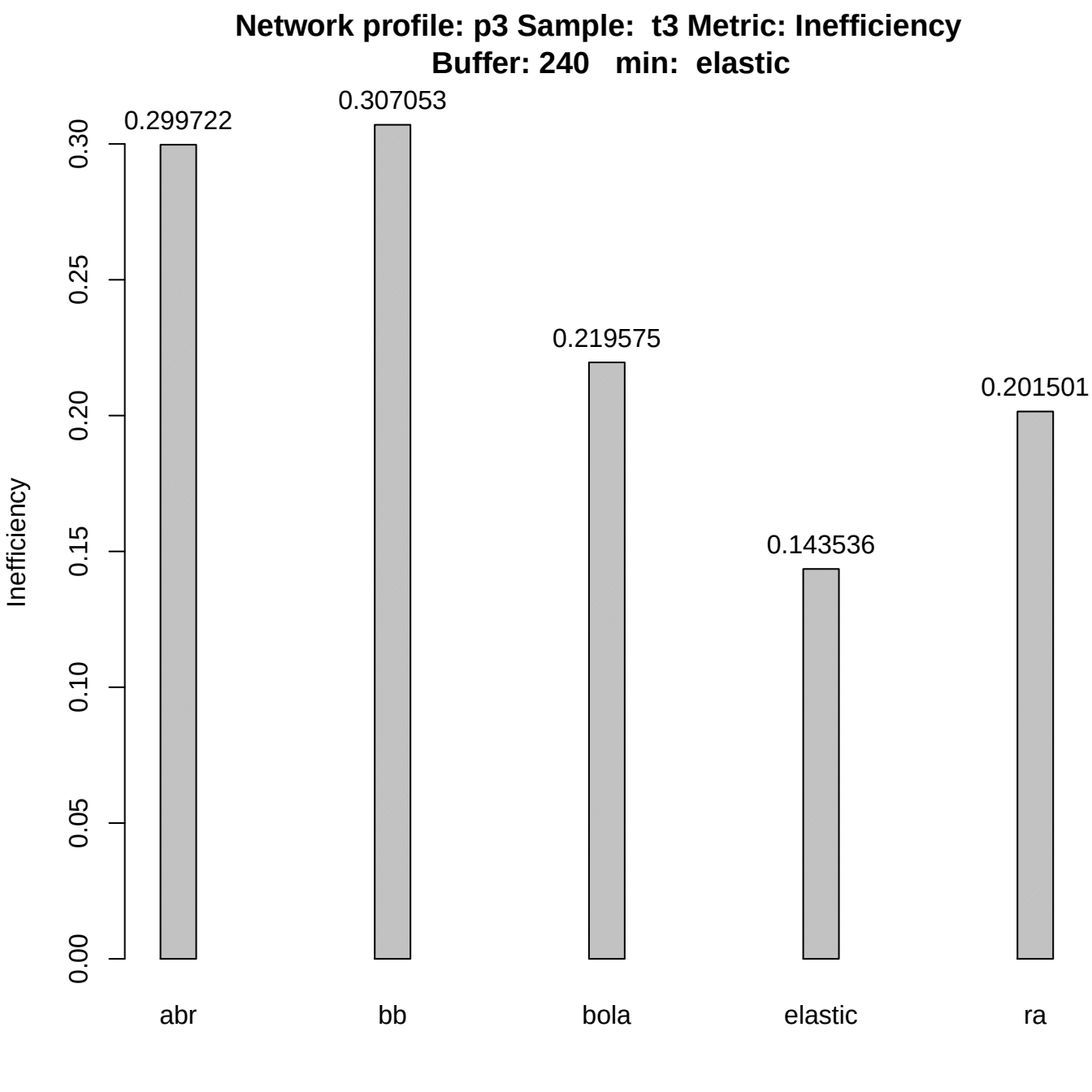

Network profile: p3 Sample: t1 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
10
20
30
40
12
10
10
49
17
abr
bb
bola
elastic
ra

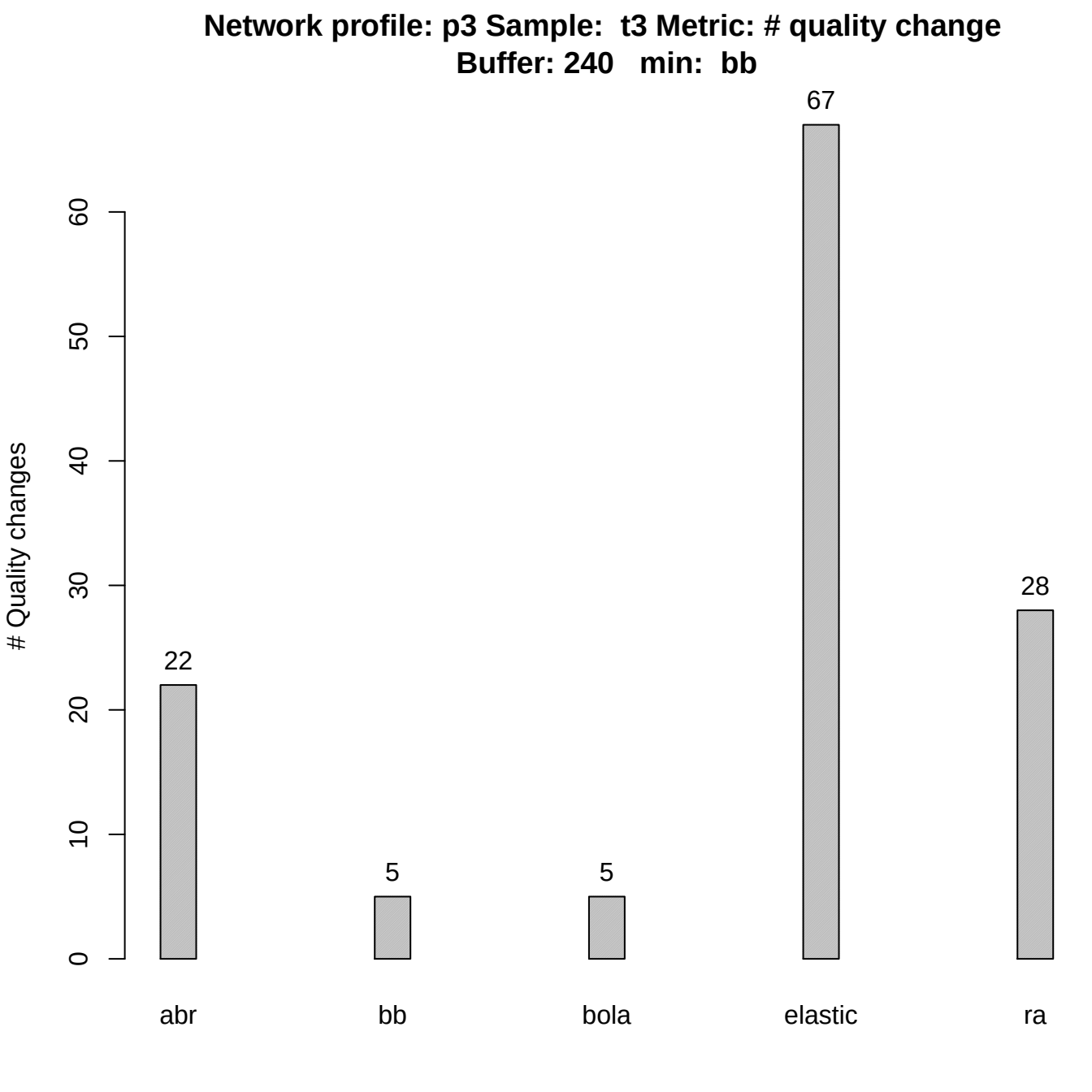

Network profile: p3 Sample: t2 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
1699.53
2079.02
2129.93
2219.99
2103.68
abr
bb
bola
elastic
ra

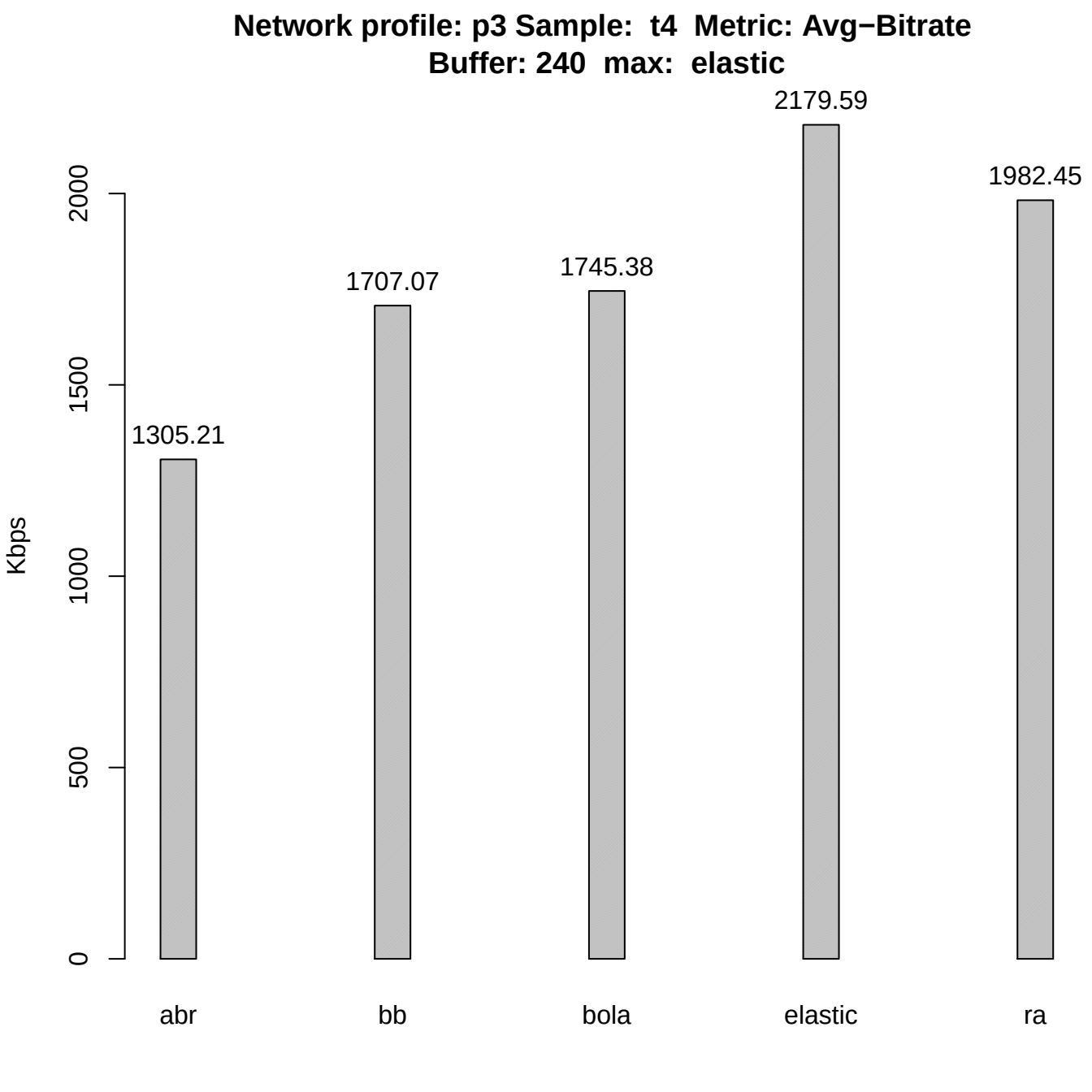

Network profile: p3 Sample: t2 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.220358
0.235659
0.231795
0.157194
0.200494
abr
bb
bola
elastic
ra

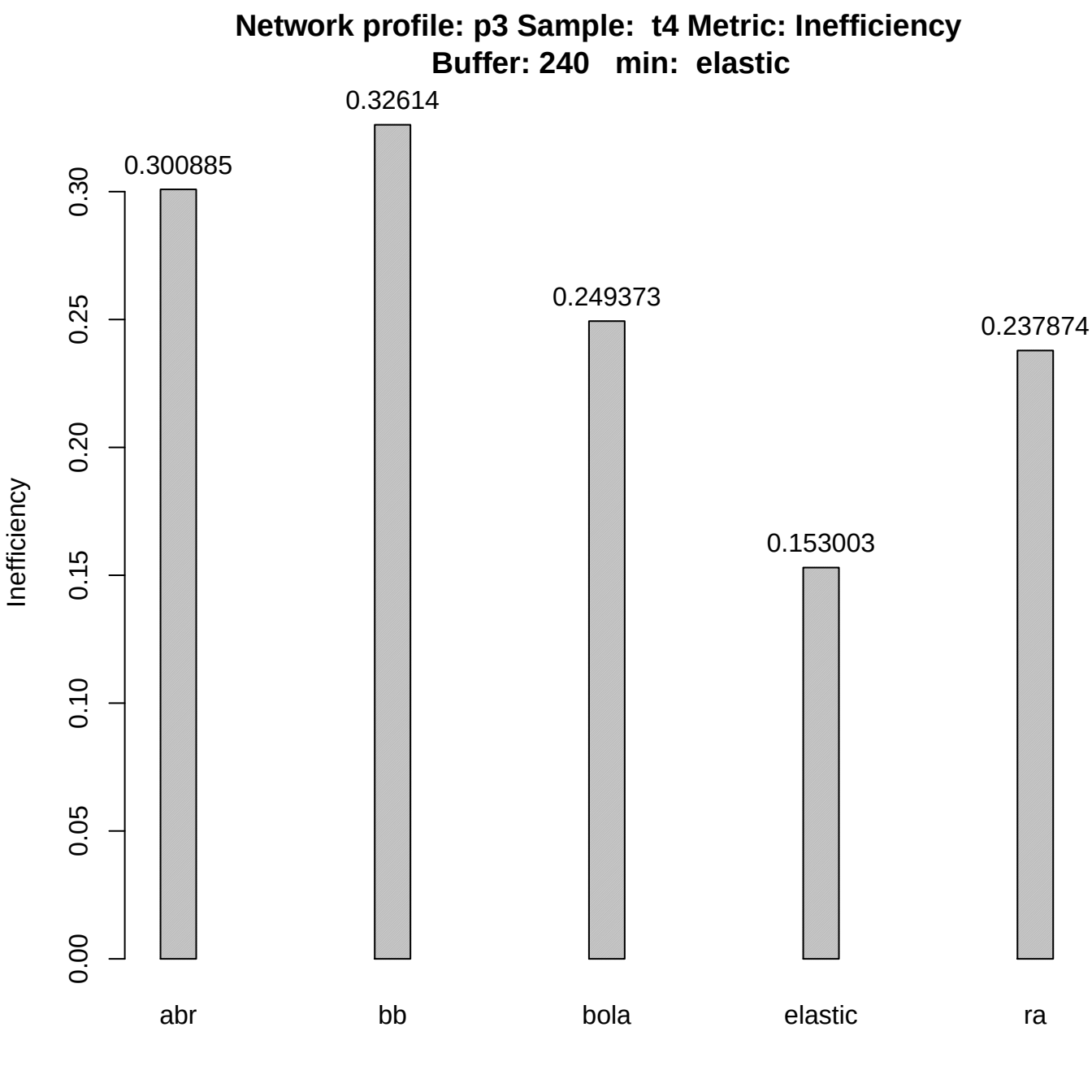

Network profile: p3 Sample: t2 Metric: # quality change
Buffer: 240 min: bola
Quality changes
0
5
10
15
20
25
4
13
3
27
17
abr
bb
bola
elastic
ra

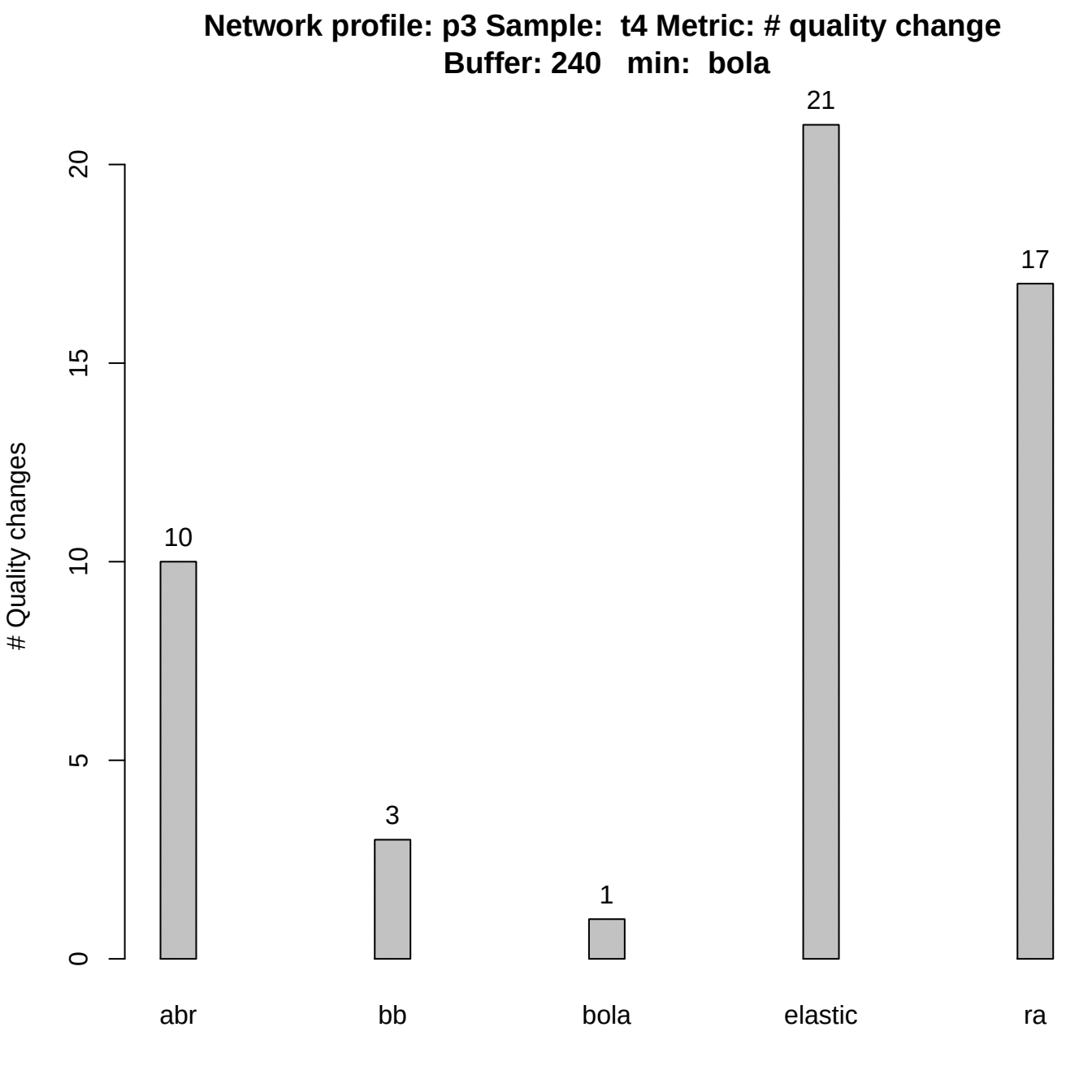

Network profile: p3 Sample: t3 Metric: Avg−Bitrate
Buffer: 240 max: ra
Kbps
0
500
1000
1500
2000
2500
1321.73
1882.41
2154.28
2305.47
2644.5
abr
bb
bola
elastic
ra

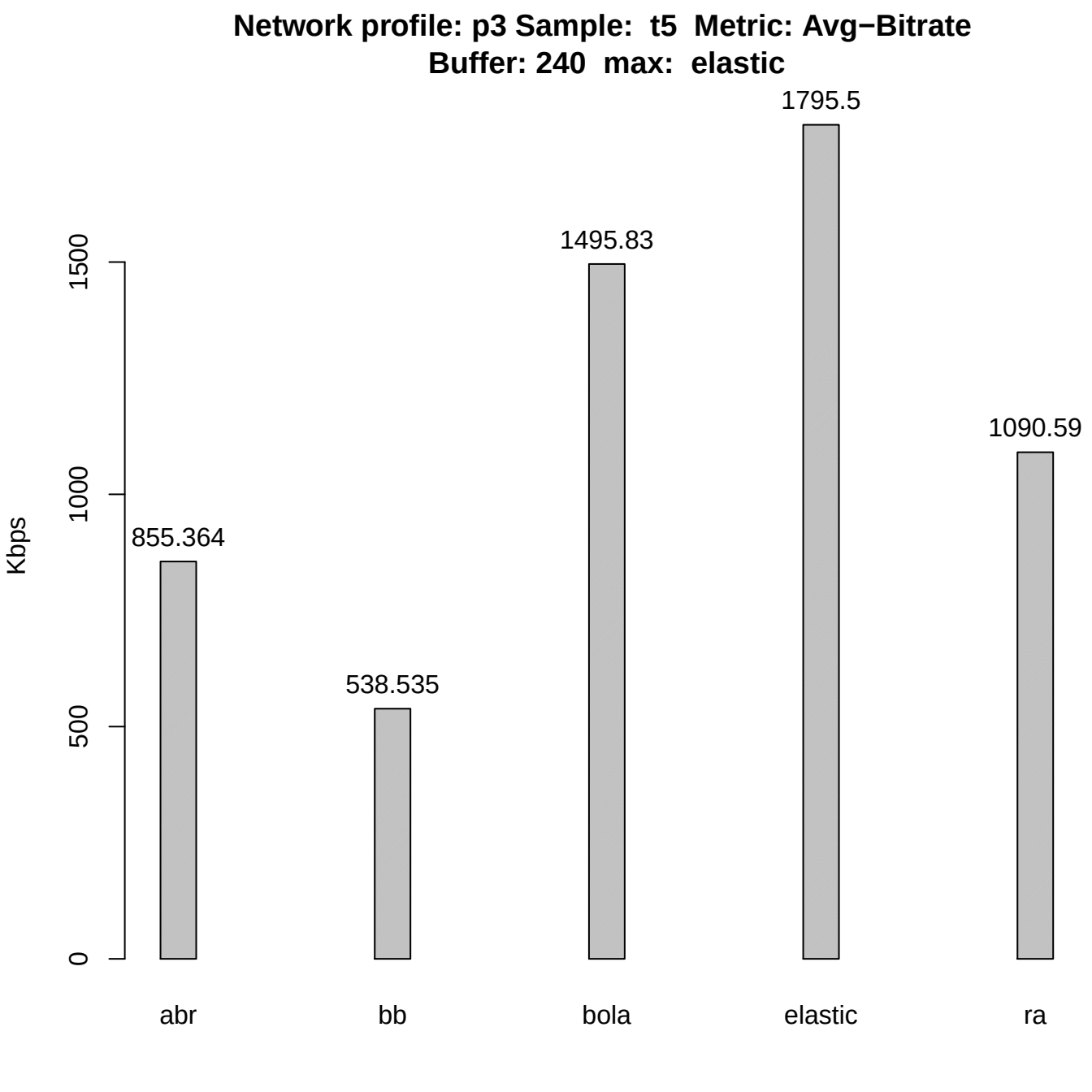

Network profile: p3 Sample: t3 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.299722
0.307053
0.219575
0.143536
0.201501
abr
bb
bola
elastic
ra

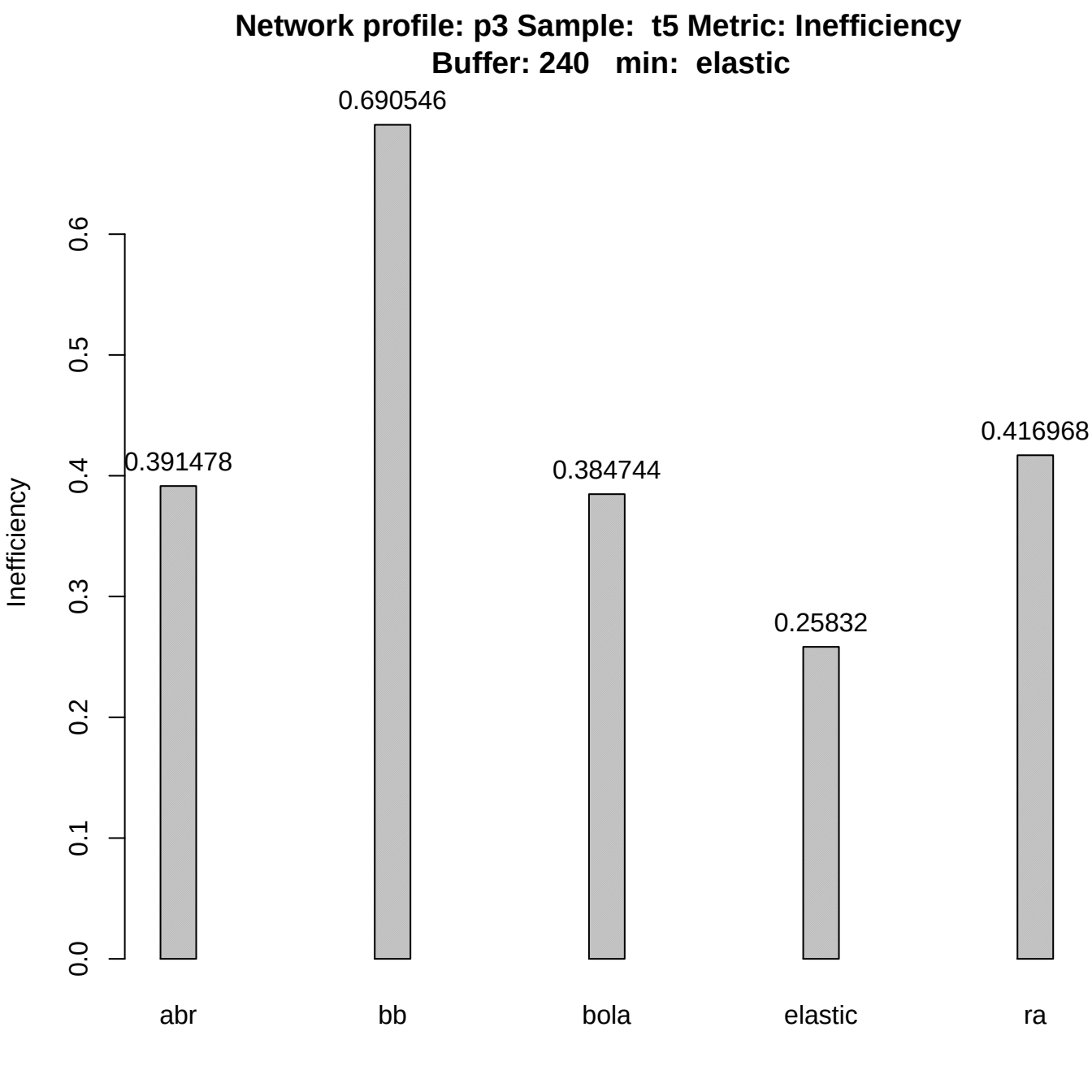

Network profile: p3 Sample: t3 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
10
20
30
40
50
60
22
5
5
67
28
abr
bb
bola
elastic
ra

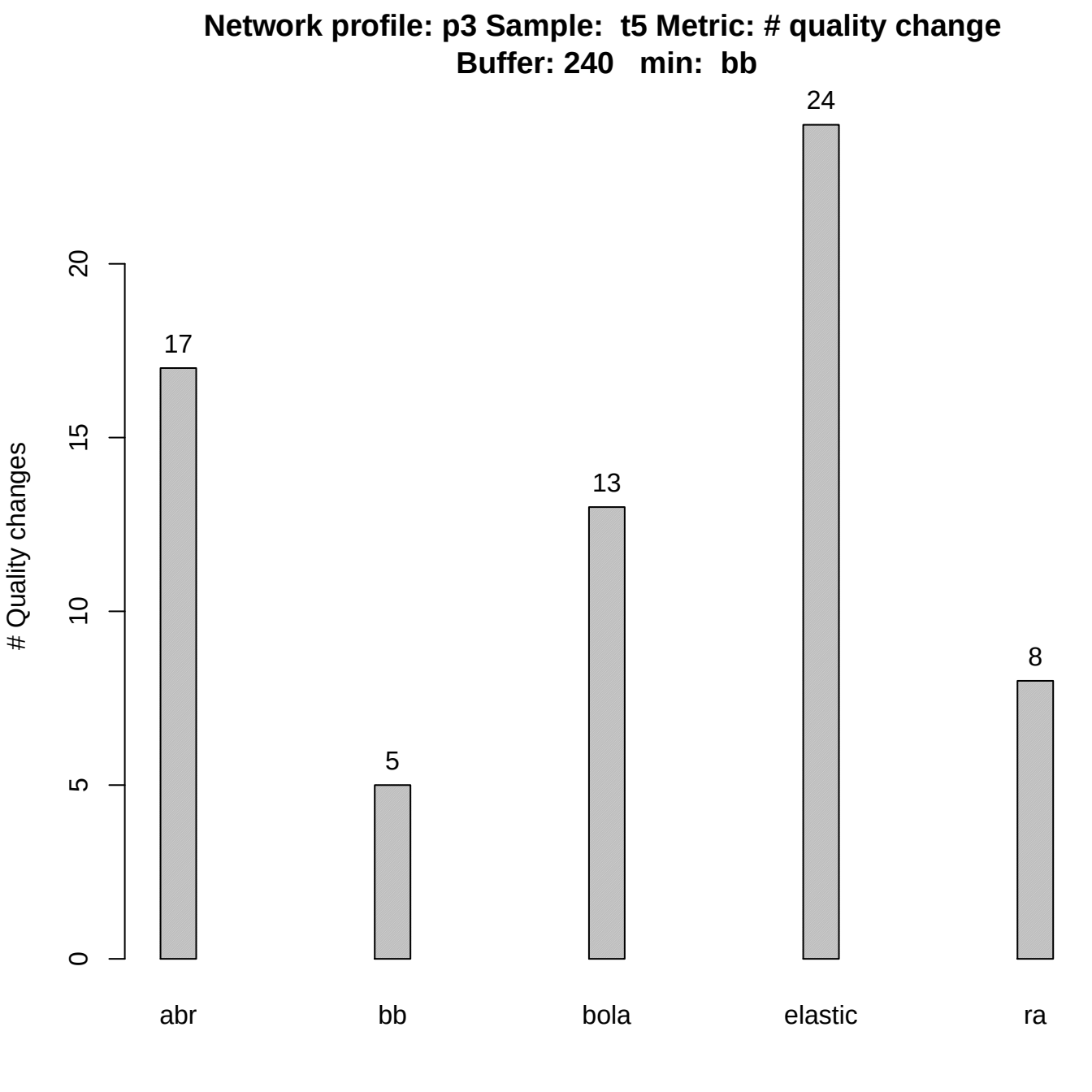

Network profile: p3 Sample: t4 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
2000
1305.21
1707.07
1745.38
2179.59
1982.45
abr
bb
bola
elastic
ra

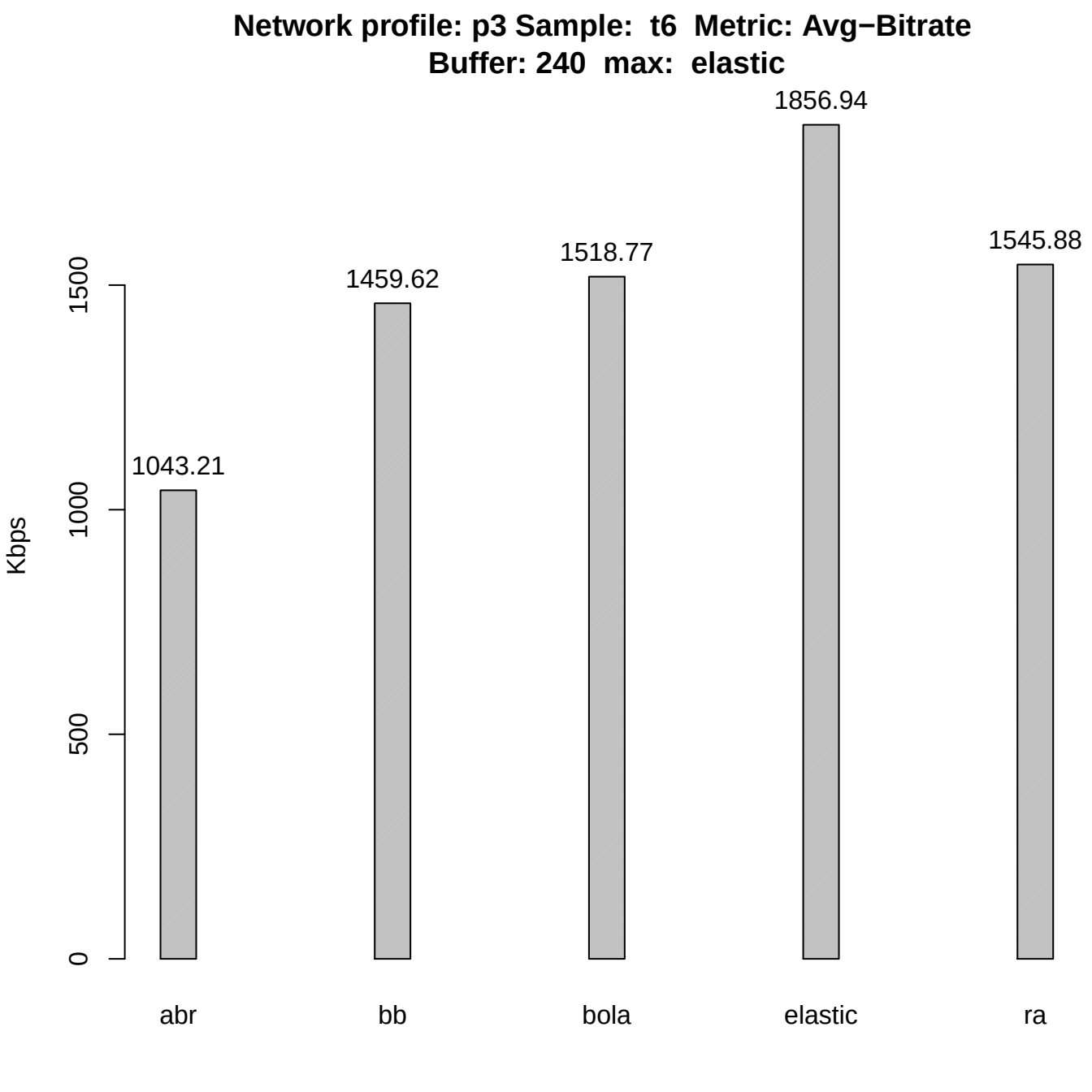

Network profile: p3 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.300885
0.32614
0.249373
0.153003
0.237874
abr
bb
bola
elastic
ra

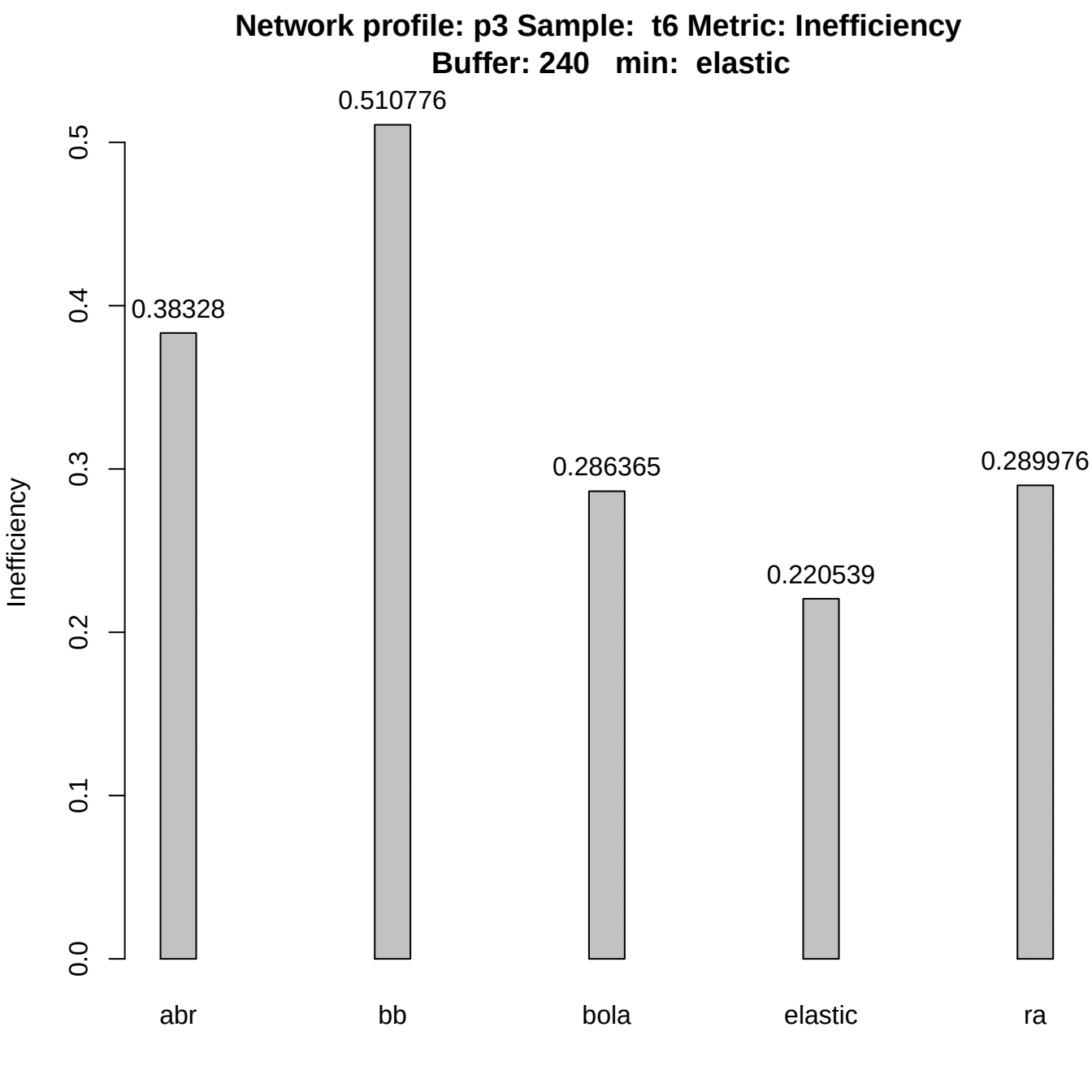

Network profile: p3 Sample: t4 Metric: # quality change
Buffer: 240 min: bola
Quality changes
0
5
10
15
20
10
3
1
21
17
abr
bb
bola
elastic
ra

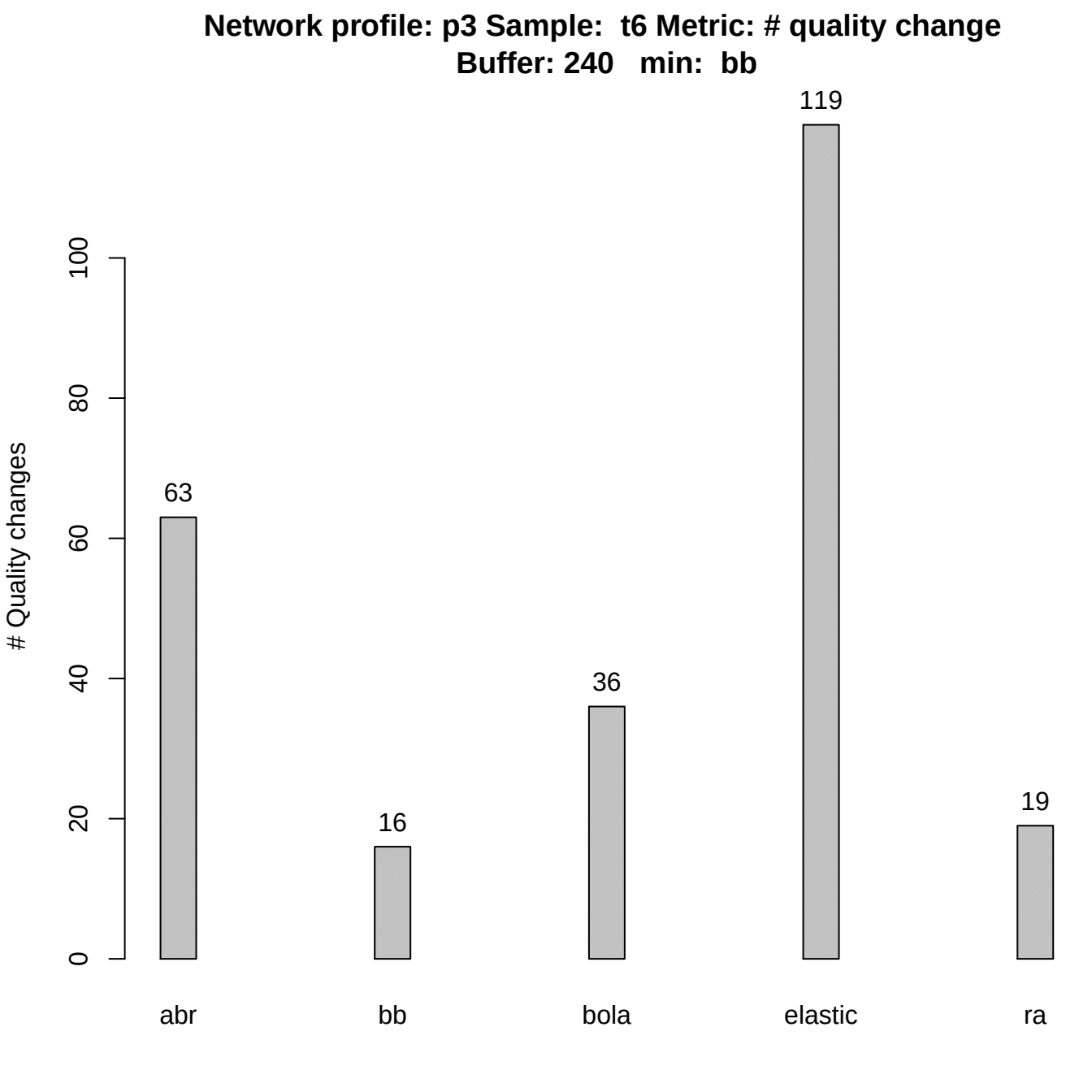

Network profile: p3 Sample: t5 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
855.364
538.535
1495.83
1795.5
1090.59
abr
bb
bola
elastic
ra

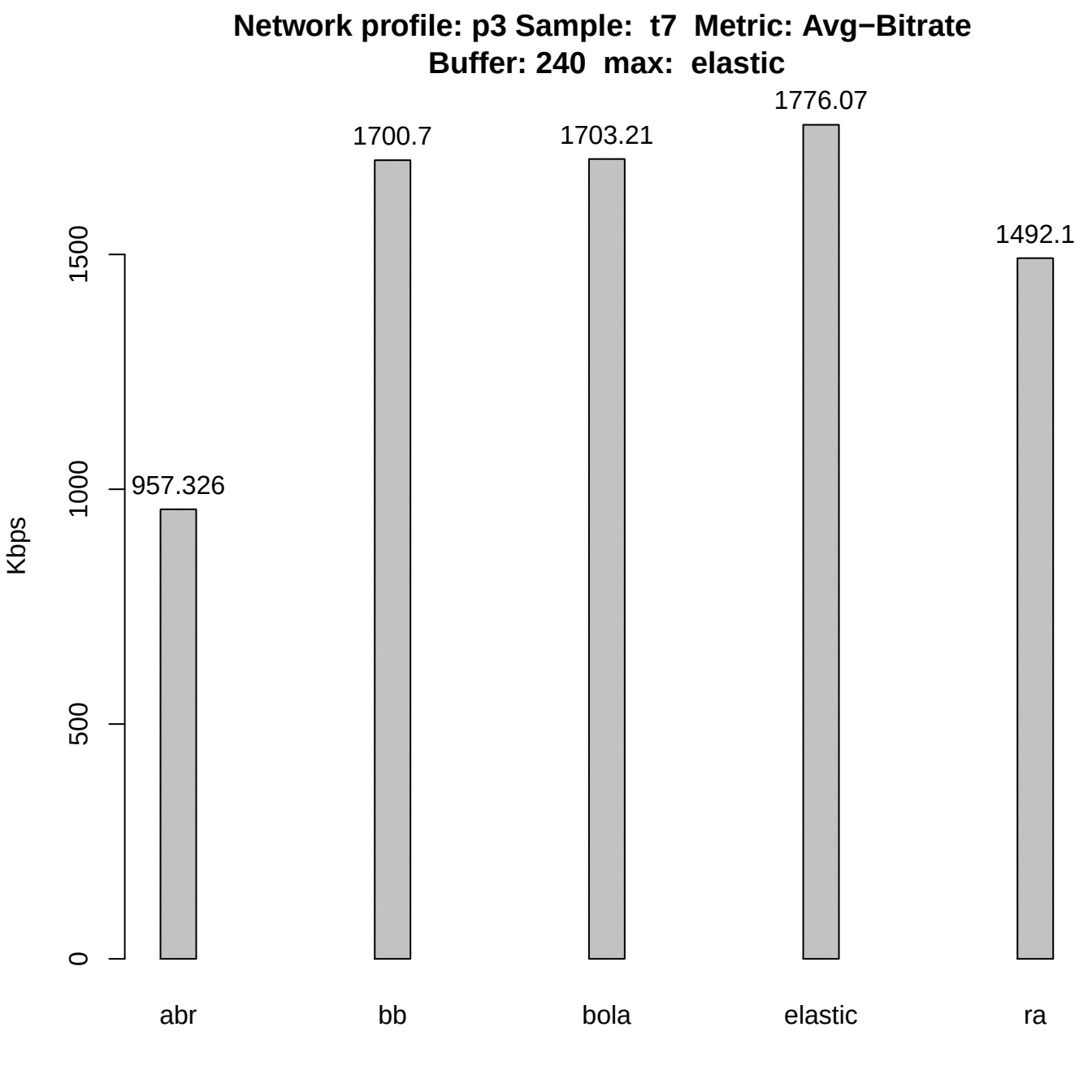

Network profile: p3 Sample: t5 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.391478
0.690546
0.384744
0.25832
0.416968
abr
bb
bola
elastic
ra

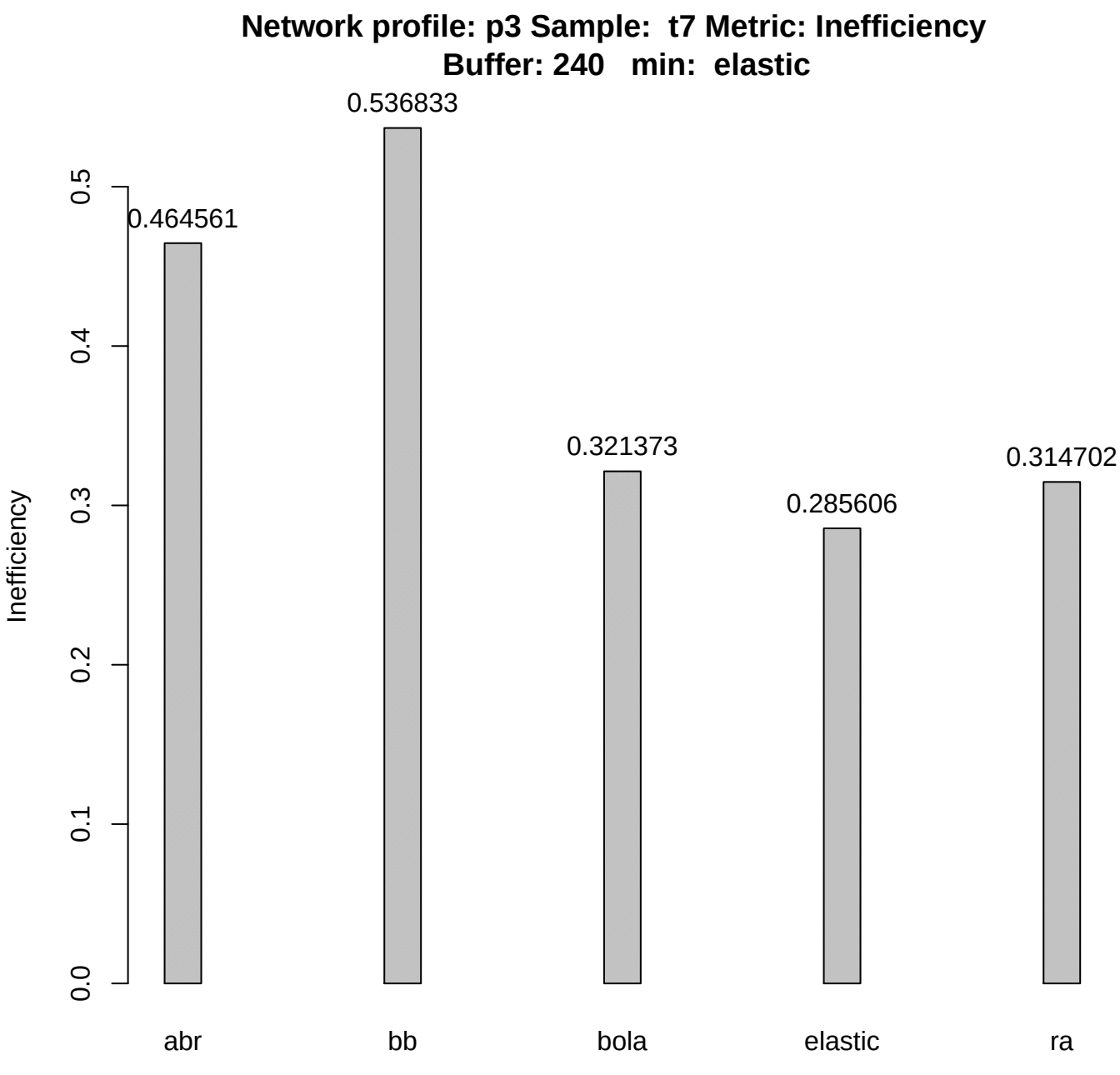

Network profile: p3 Sample: t5 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
5
10
15
20
17
5
13
24
8
abr
bb
bola
elastic
ra

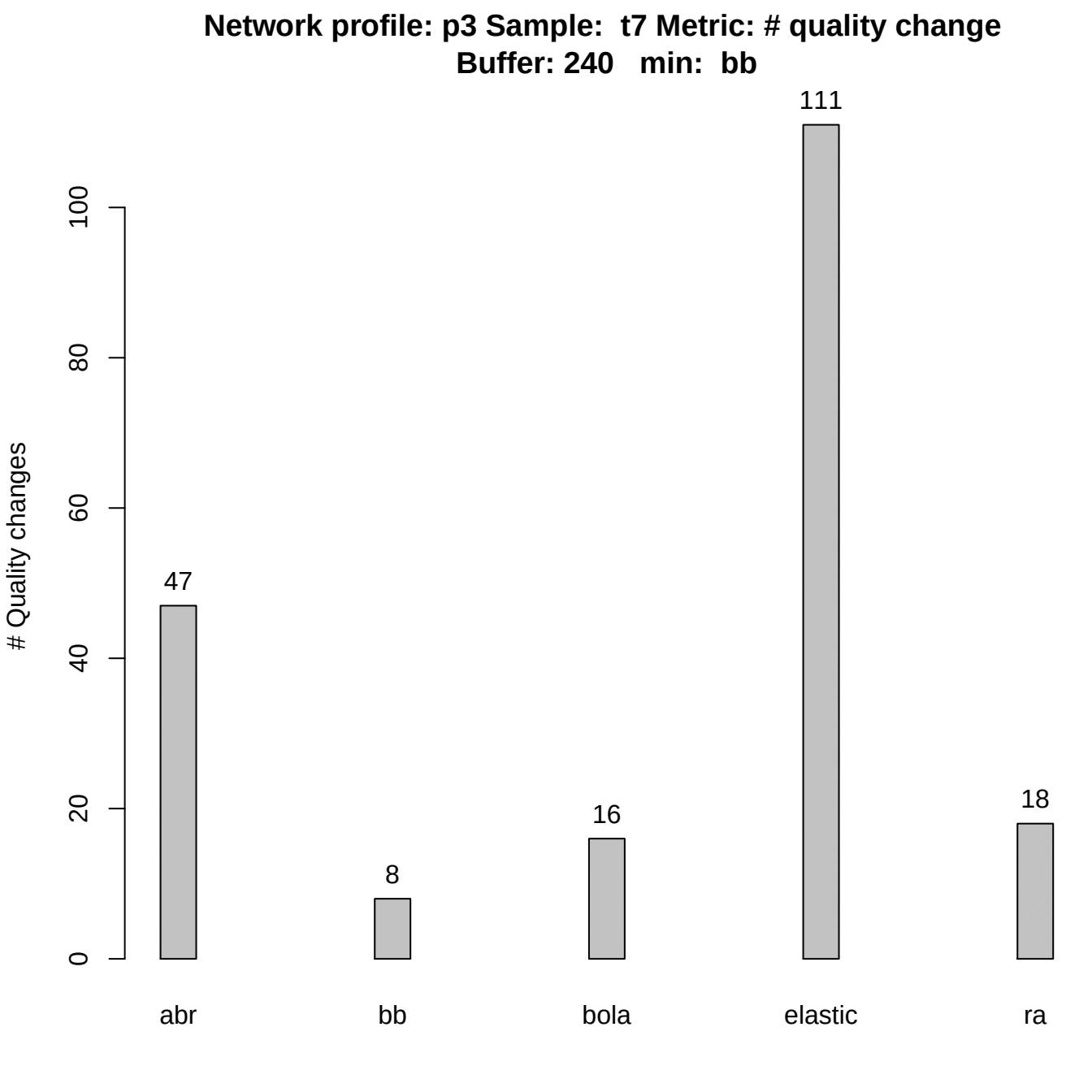

Network profile: p3 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
1043.21
1459.62
1518.77
1856.94
1545.88
abr
bb
bola
elastic
ra

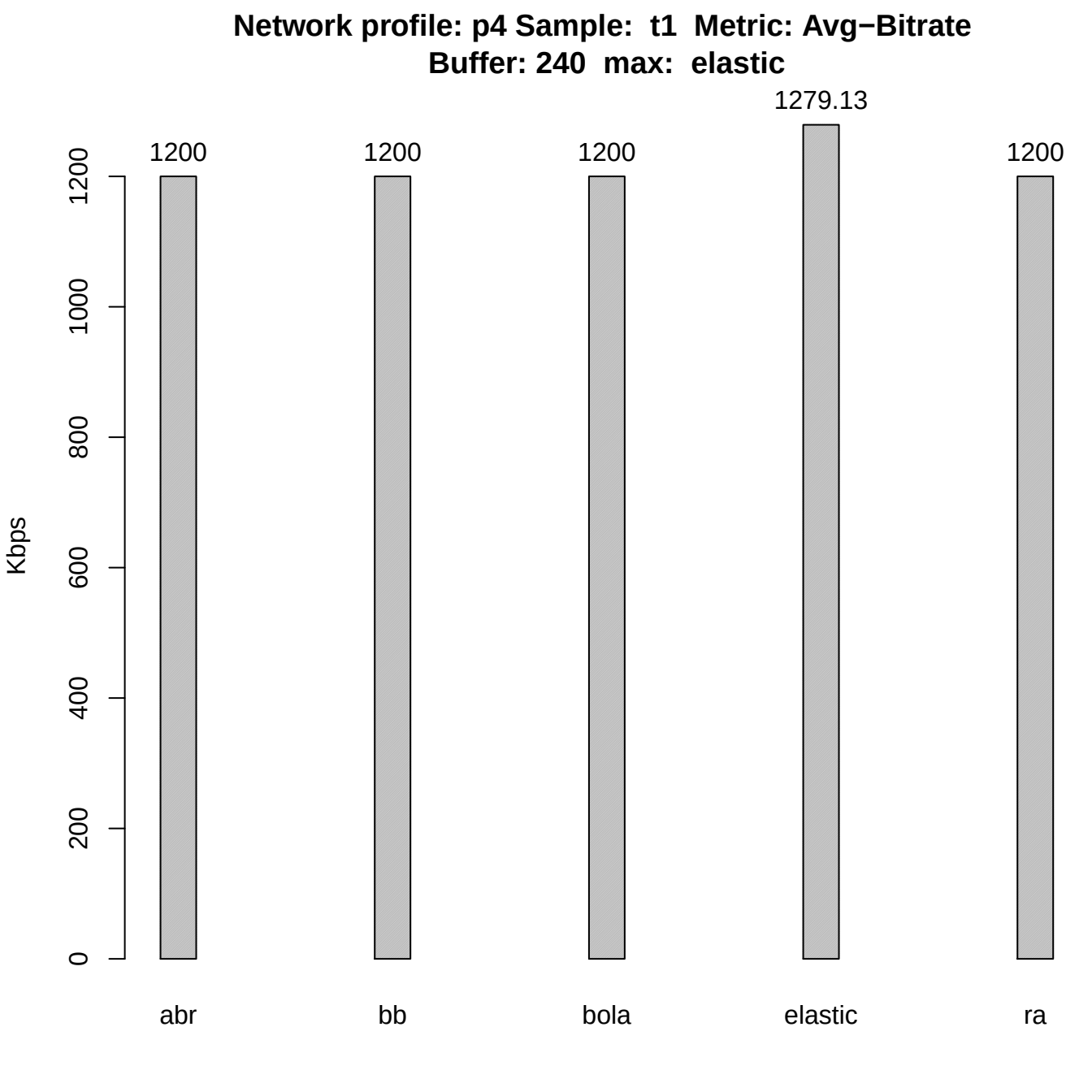

Network profile: p3 Sample: t6 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.38328
0.510776
0.286365
0.220539
0.289976
abr
bb
bola
elastic
ra

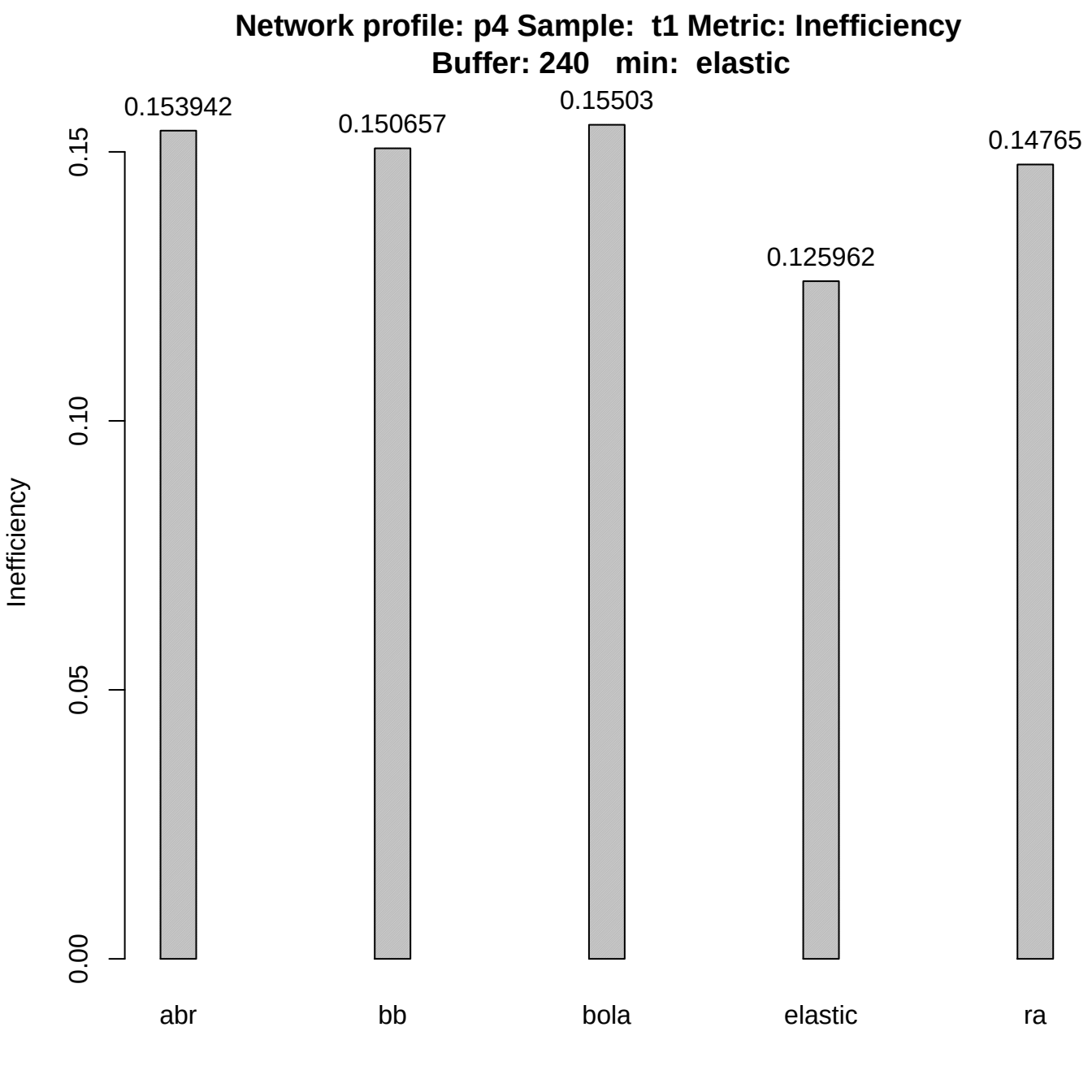

Network profile: p3 Sample: t6 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
20
40
60
80
100
63
16
36
119
19
abr
bb
bola
elastic
ra

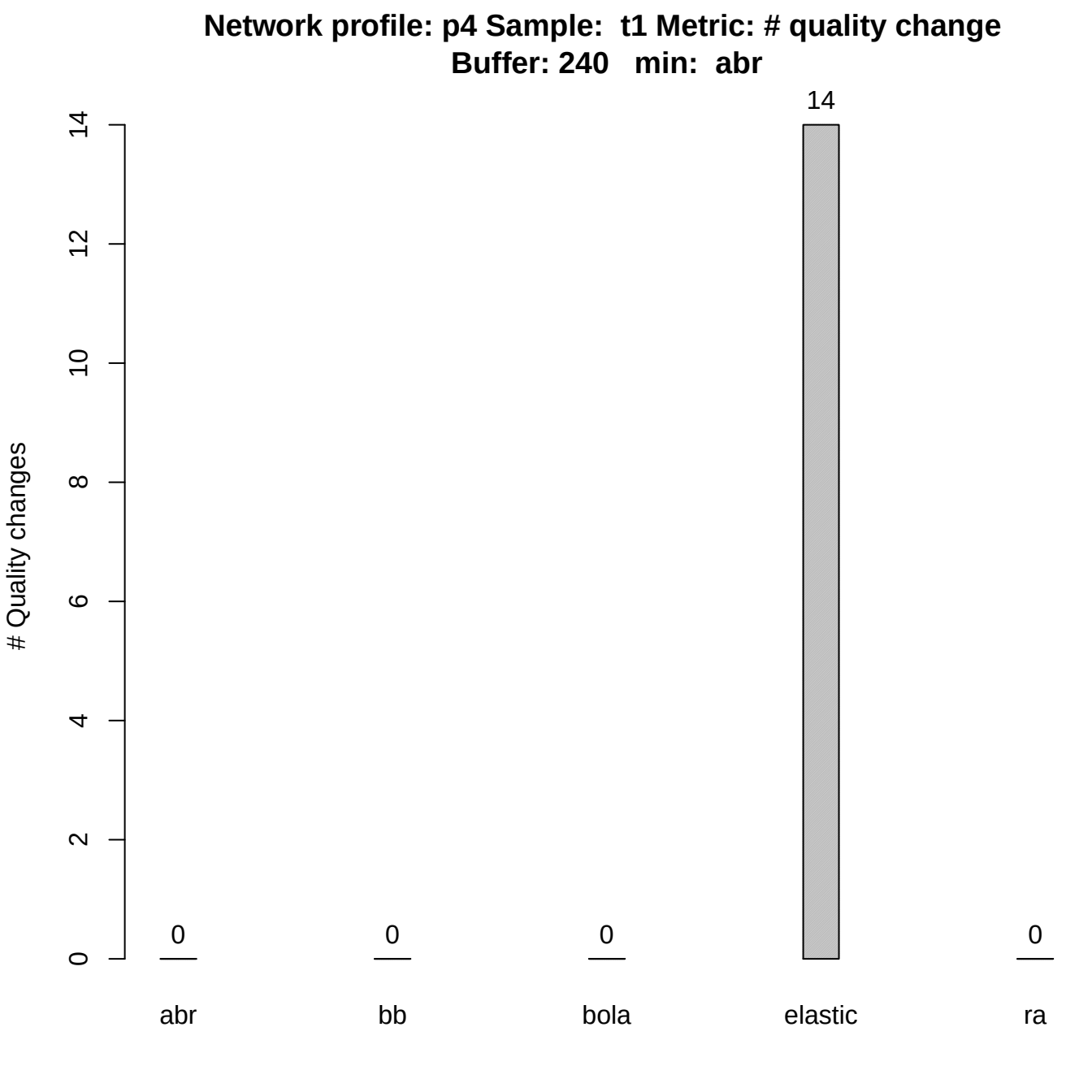

Network profile: p3 Sample: t7 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
957.326
1700.7
1703.21
1776.07
1492.1
abr
bb
bola
elastic
ra

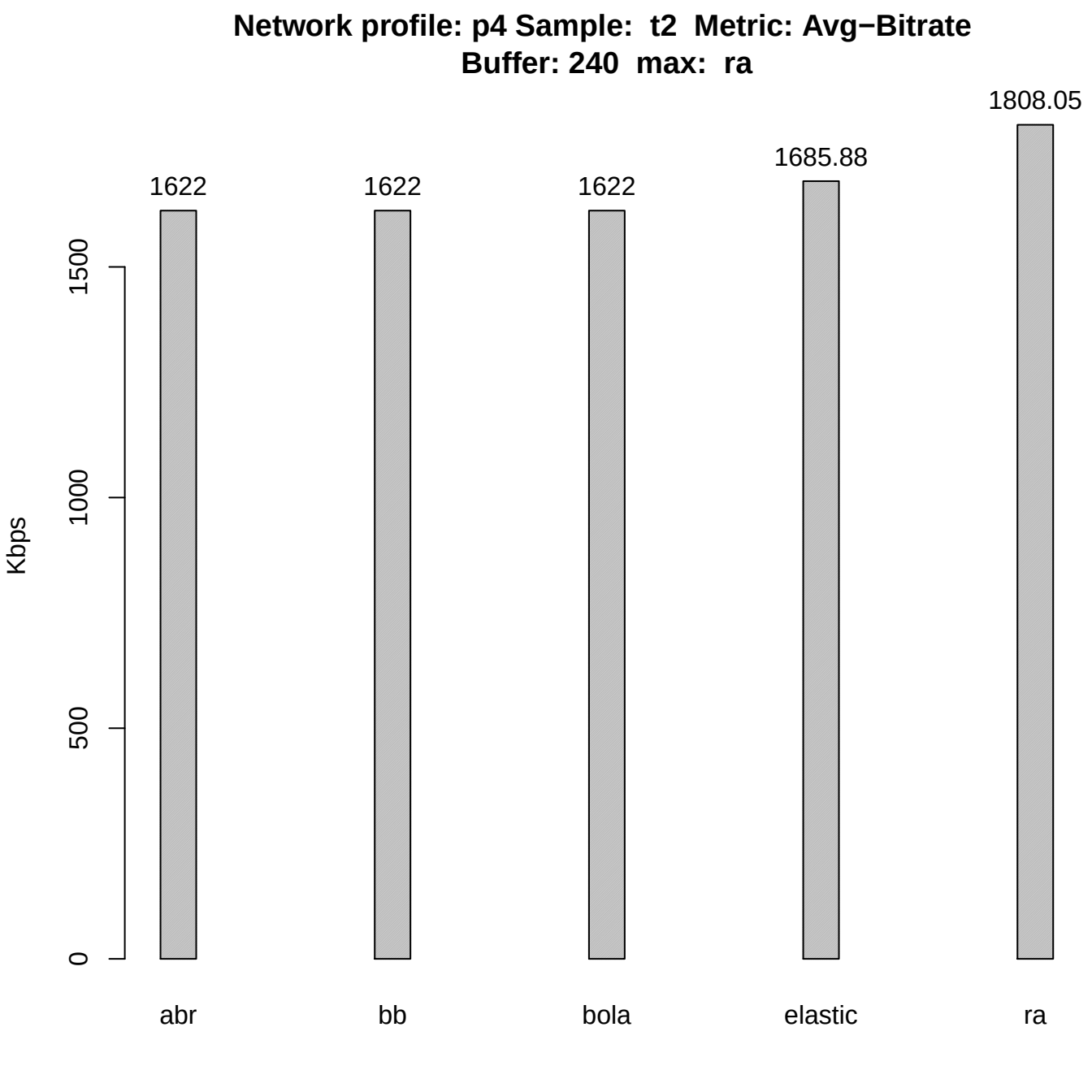

Network profile: p3 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.464561
0.536833
0.321373
0.285606
0.314702
abr
bb
bola
elastic
ra

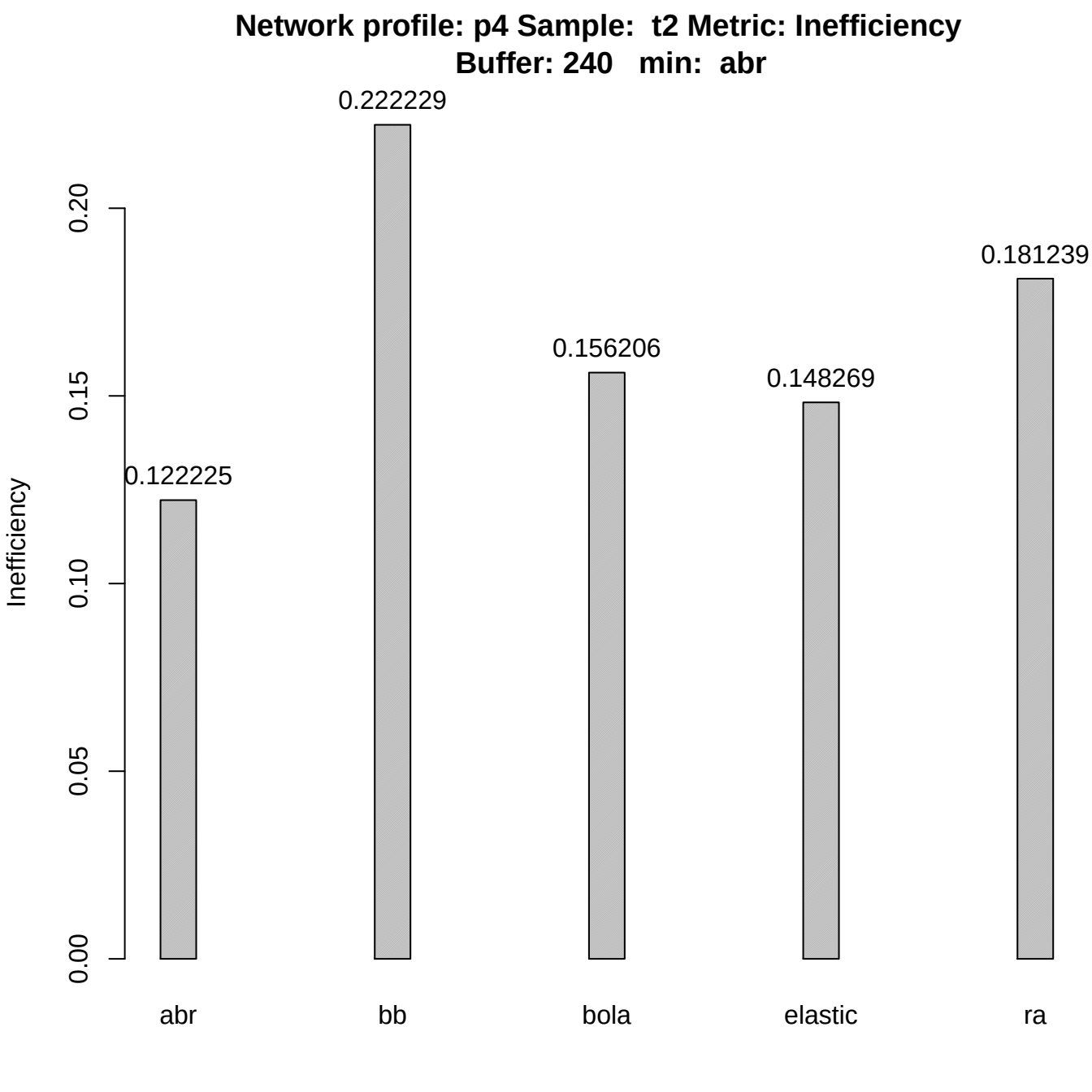

Network profile: p3 Sample: t7 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
20
40
60
80
100
47
8
16
111
18
abr
bb
bola
elastic
ra

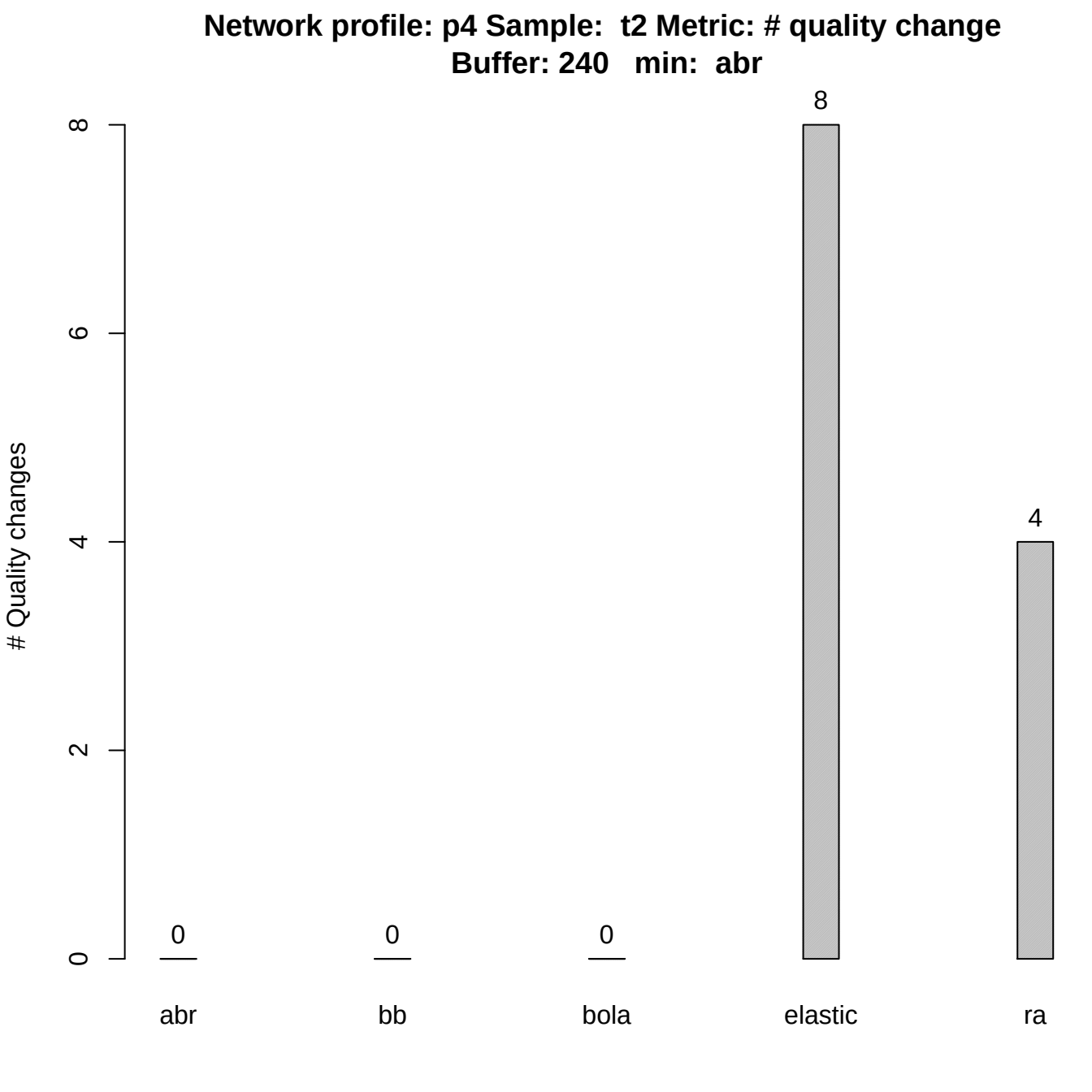

Network profile: p4 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
200
400
600
800
1000
1200
1200
1200
1200
1279.13
1200
abr
bb
bola
elastic
ra

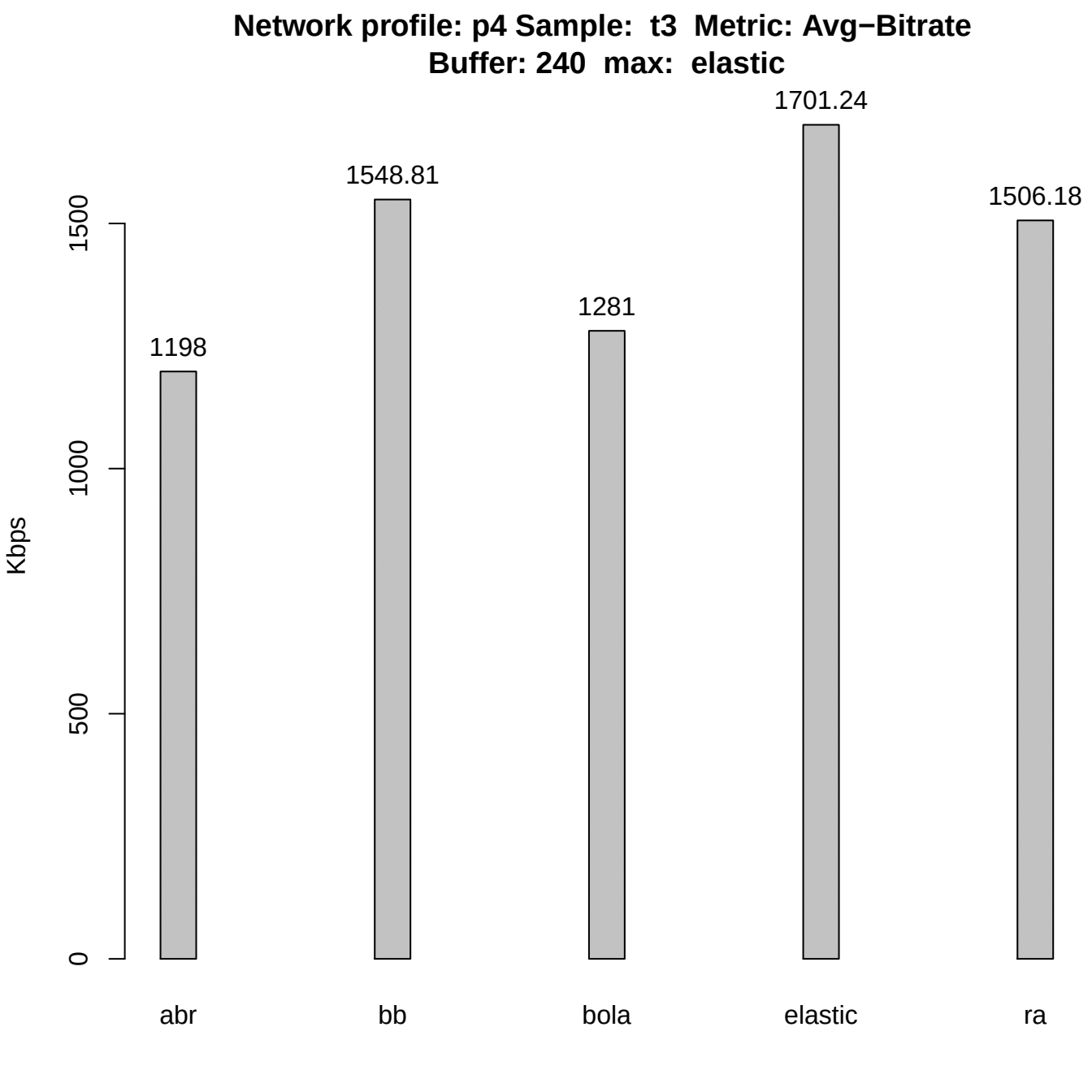

Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.05
0.10
0.15
0.153942
0.150657
0.15503
0.125962
0.14765
abr
bb
bola
elastic
ra

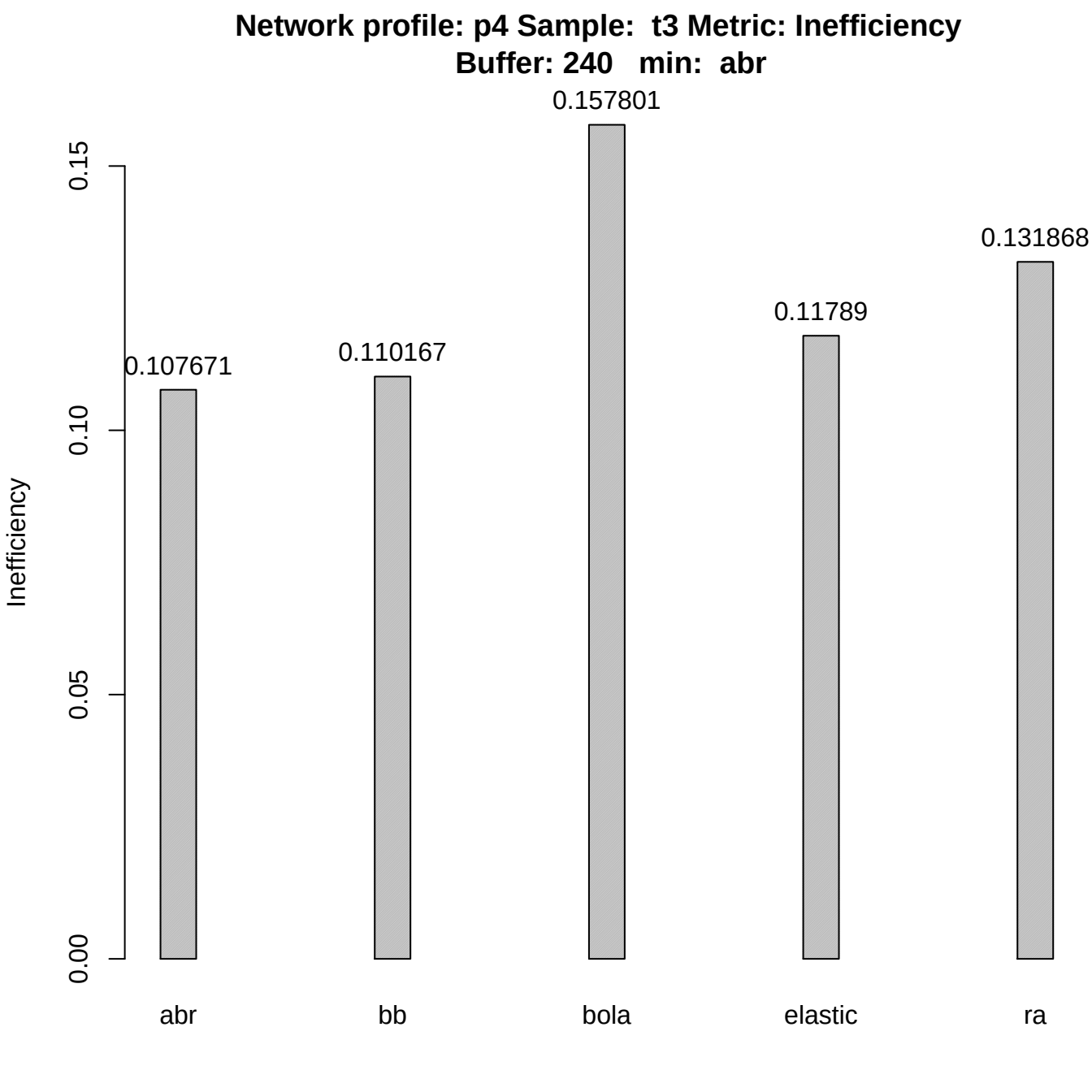

Network profile: p4 Sample: t1 Metric: # quality change
Buffer: 240 min: abr
Quality changes
0
2
4
6
8
10
12
14
0
0
0
14
0
abr
bb
bola
elastic
ra

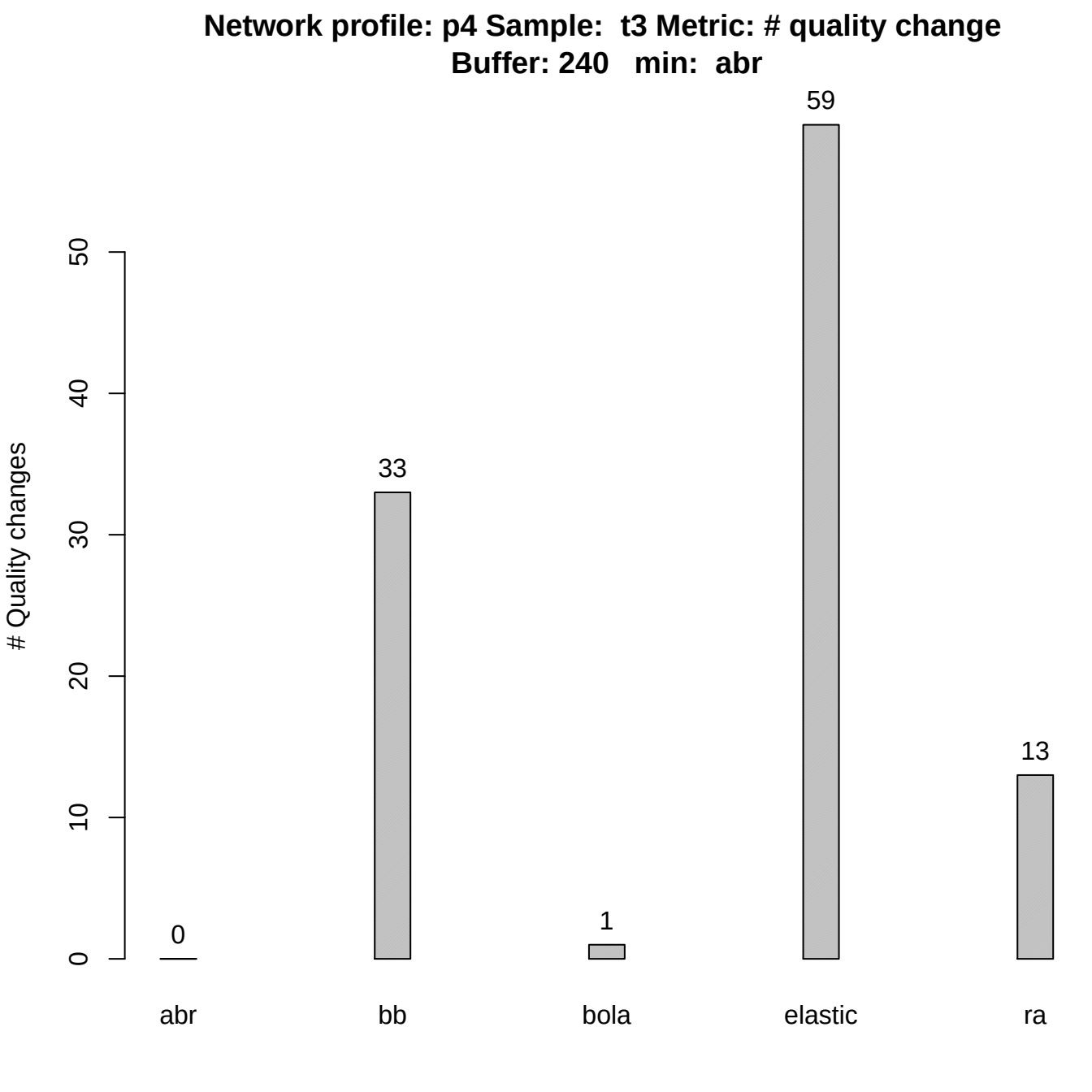

Network profile: p4 Sample: t2 Metric: Avg−Bitrate
Buffer: 240 max: ra
Kbps
0
500
1000
1500
1622
1622
1622
1685.88
1808.05
abr
bb
bola
elastic
ra

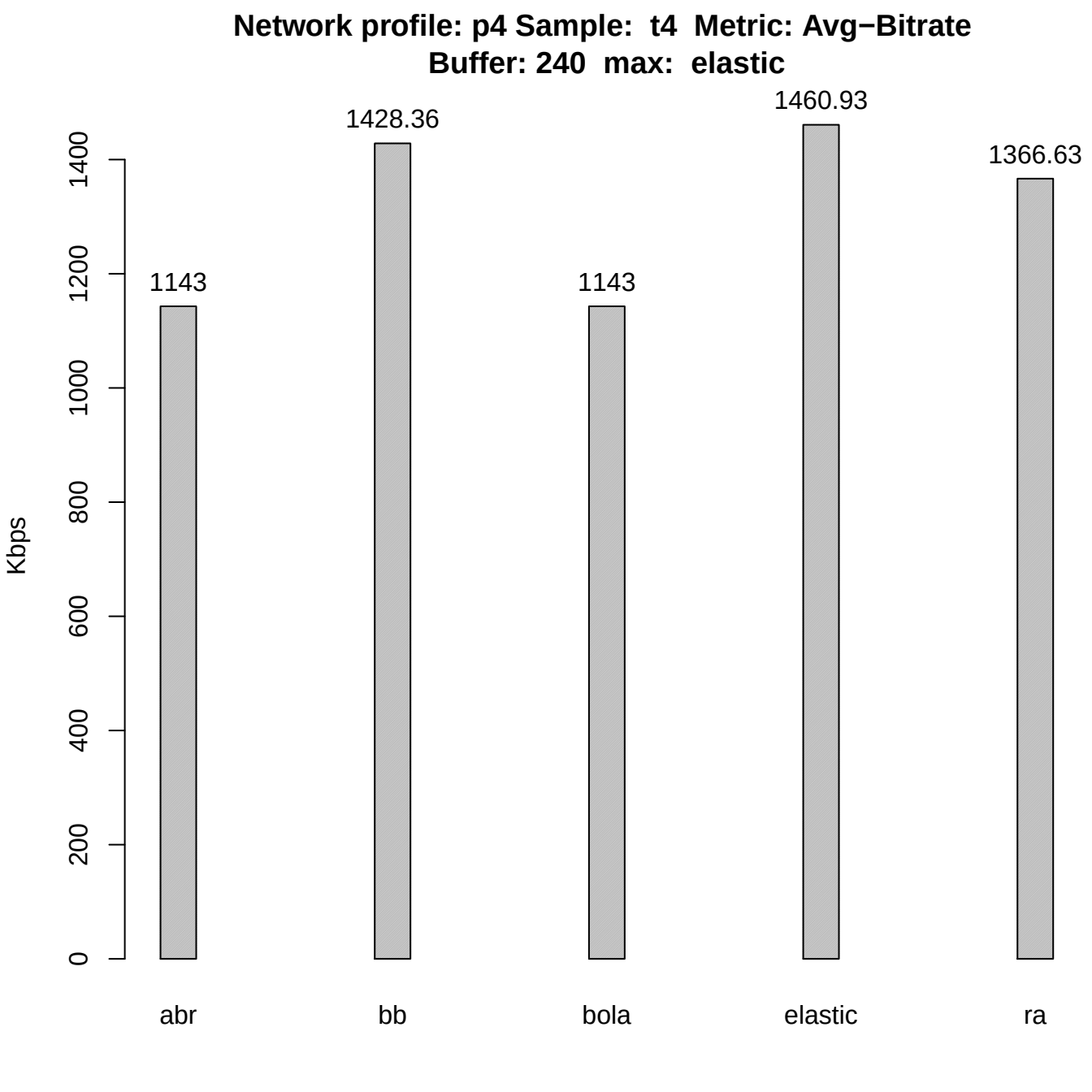

Network profile: p4 Sample: t2 Metric: Inefficiency
Buffer: 240 min: abr
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.122225
0.222229
0.156206
0.148269
0.181239
abr
bb
bola
elastic
ra

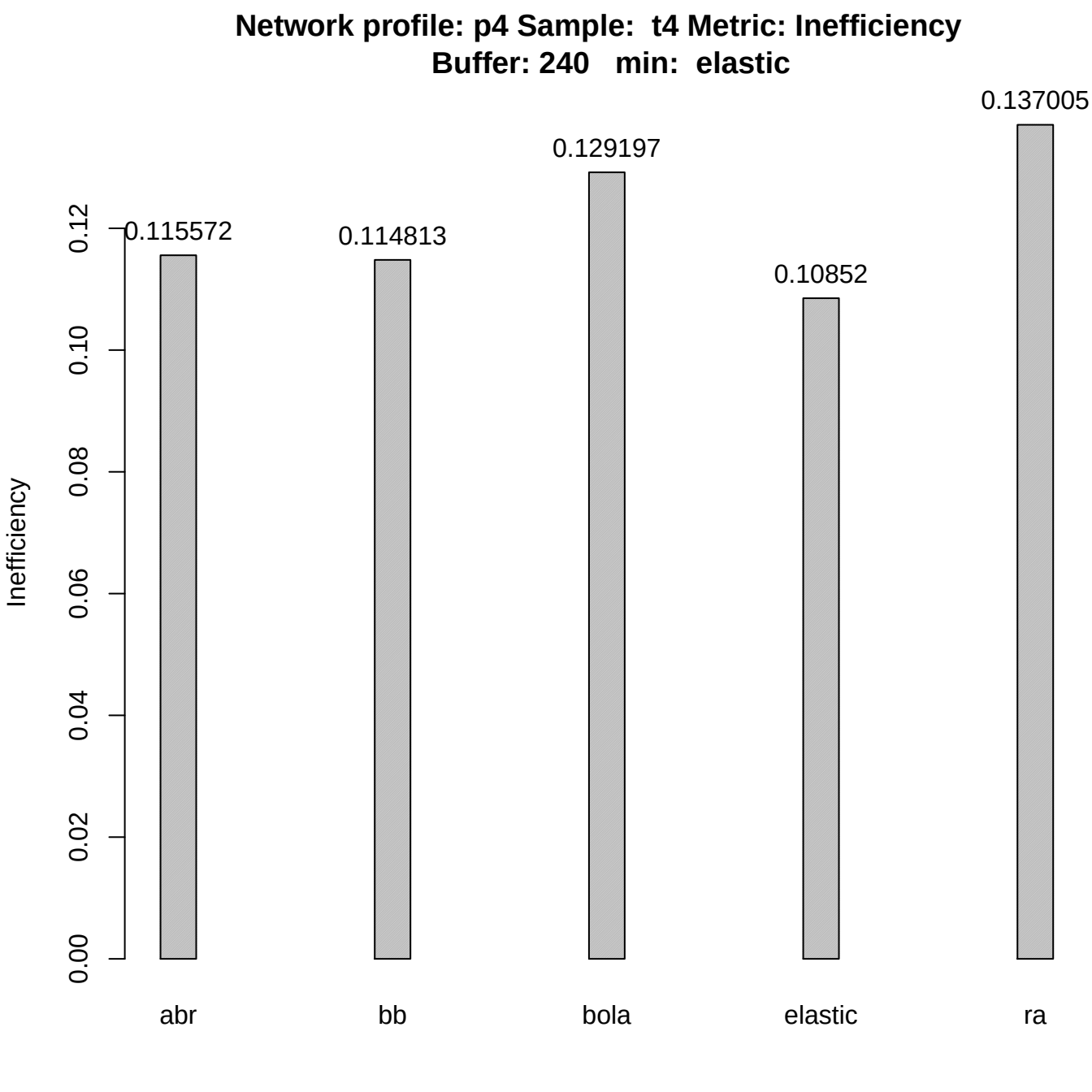

Network profile: p4 Sample: t2 Metric: # quality change
Buffer: 240 min: abr
Quality changes
0
2
4
6
8
0
0
0
8
4
abr
bb
bola
elastic
ra

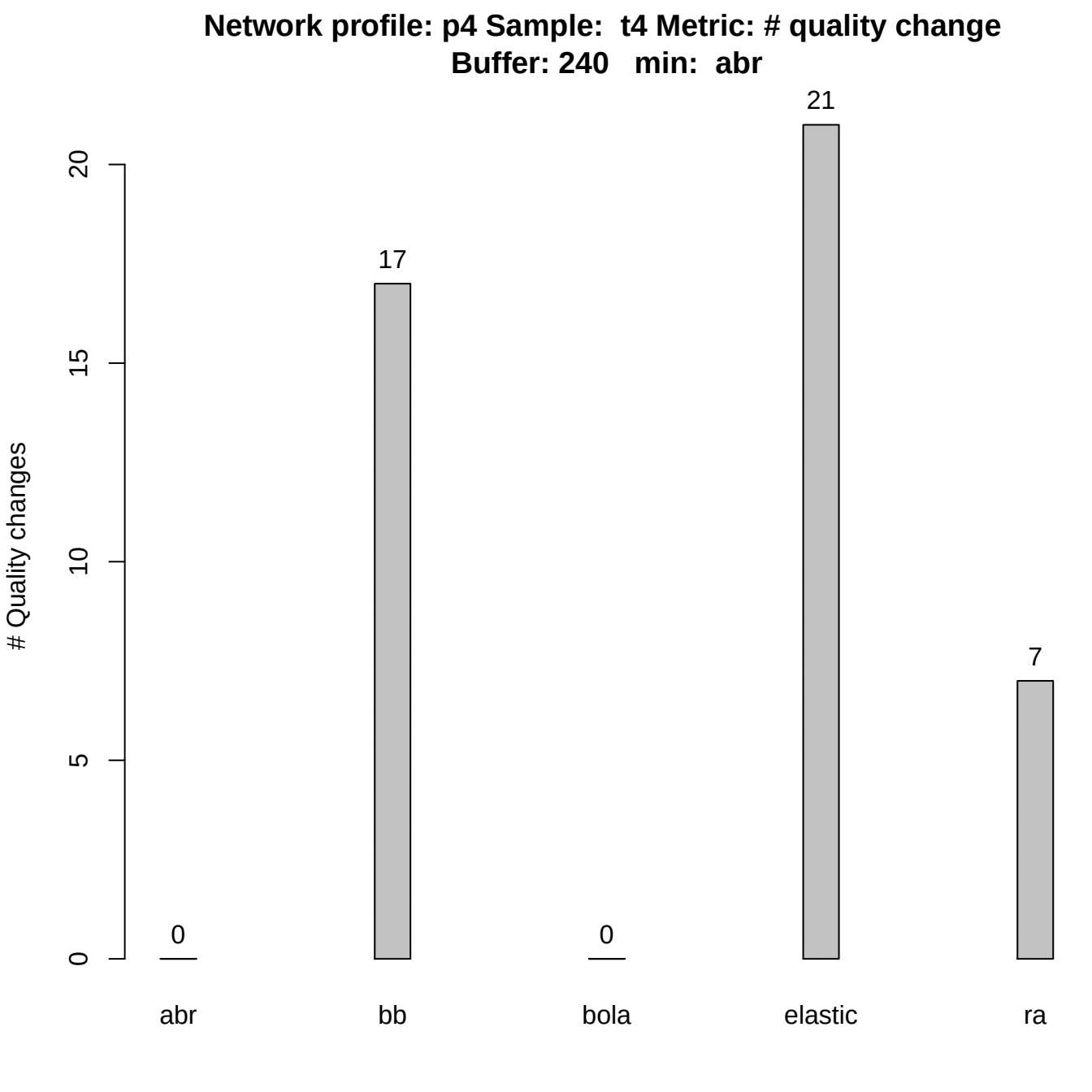

Network profile: p4 Sample: t3 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
500
1000
1500
1198
1548.81
1281
1701.24
1506.18
abr
bb
bola
elastic
ra

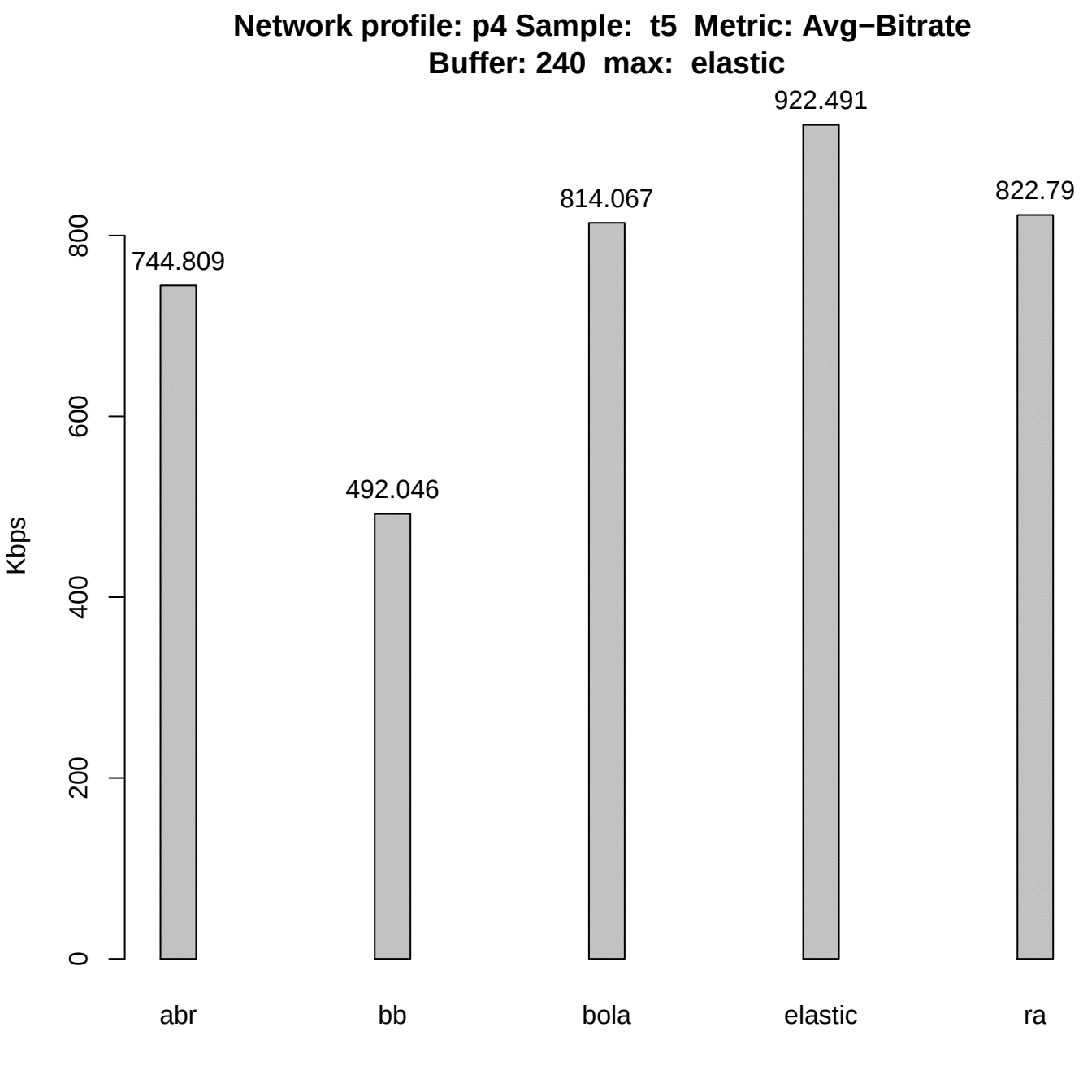

Network profile: p4 Sample: t3 Metric: Inefficiency
Buffer: 240 min: abr
Inefficiency
0.00
0.05
0.10
0.15
0.107671
0.110167
0.157801
0.11789
0.131868
abr
bb
bola
elastic
ra

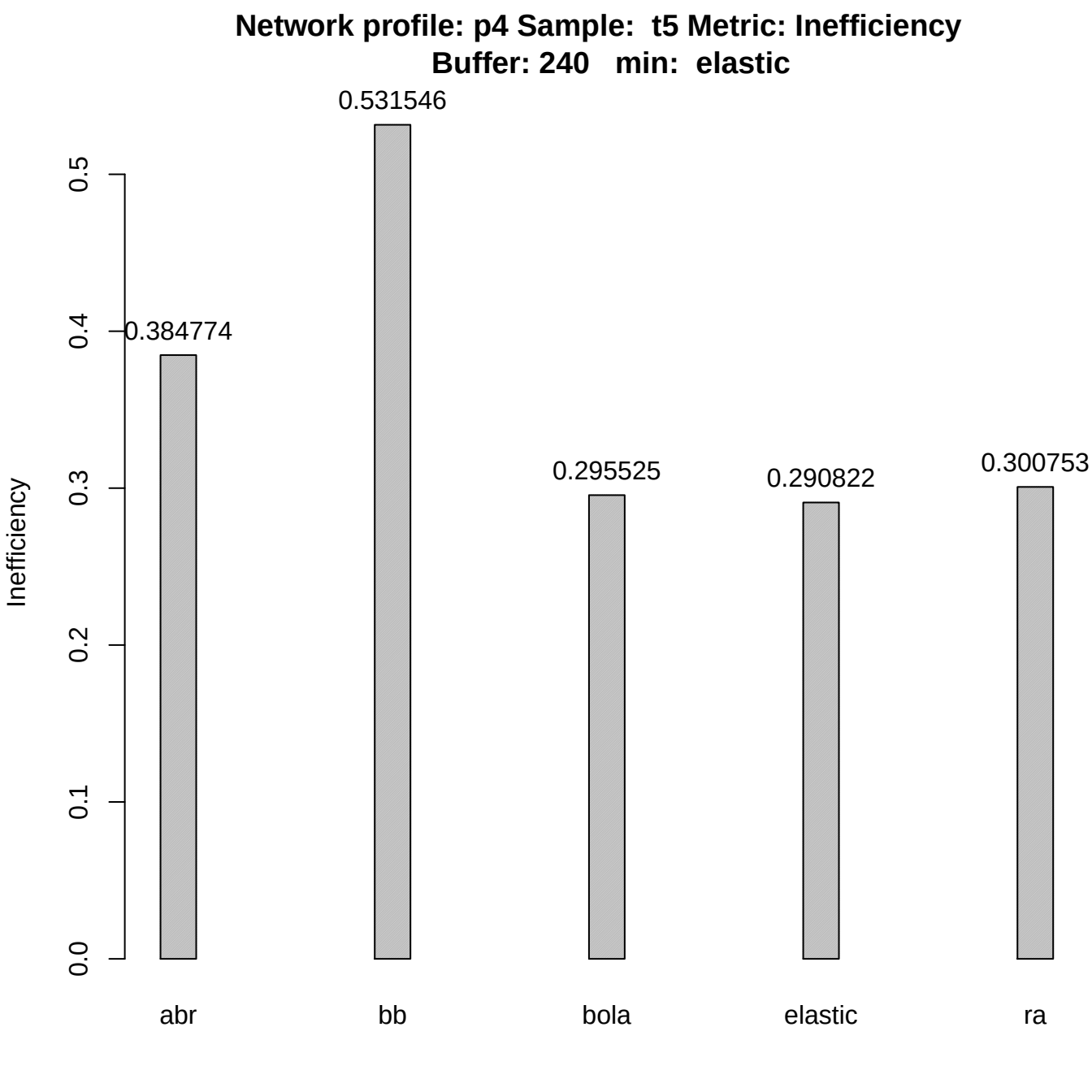

Network profile: p4 Sample: t3 Metric: # quality change
Buffer: 240 min: abr
Quality changes
0
10
20
30
40
50
0
33
1
59
13
abr
bb
bola
elastic
ra

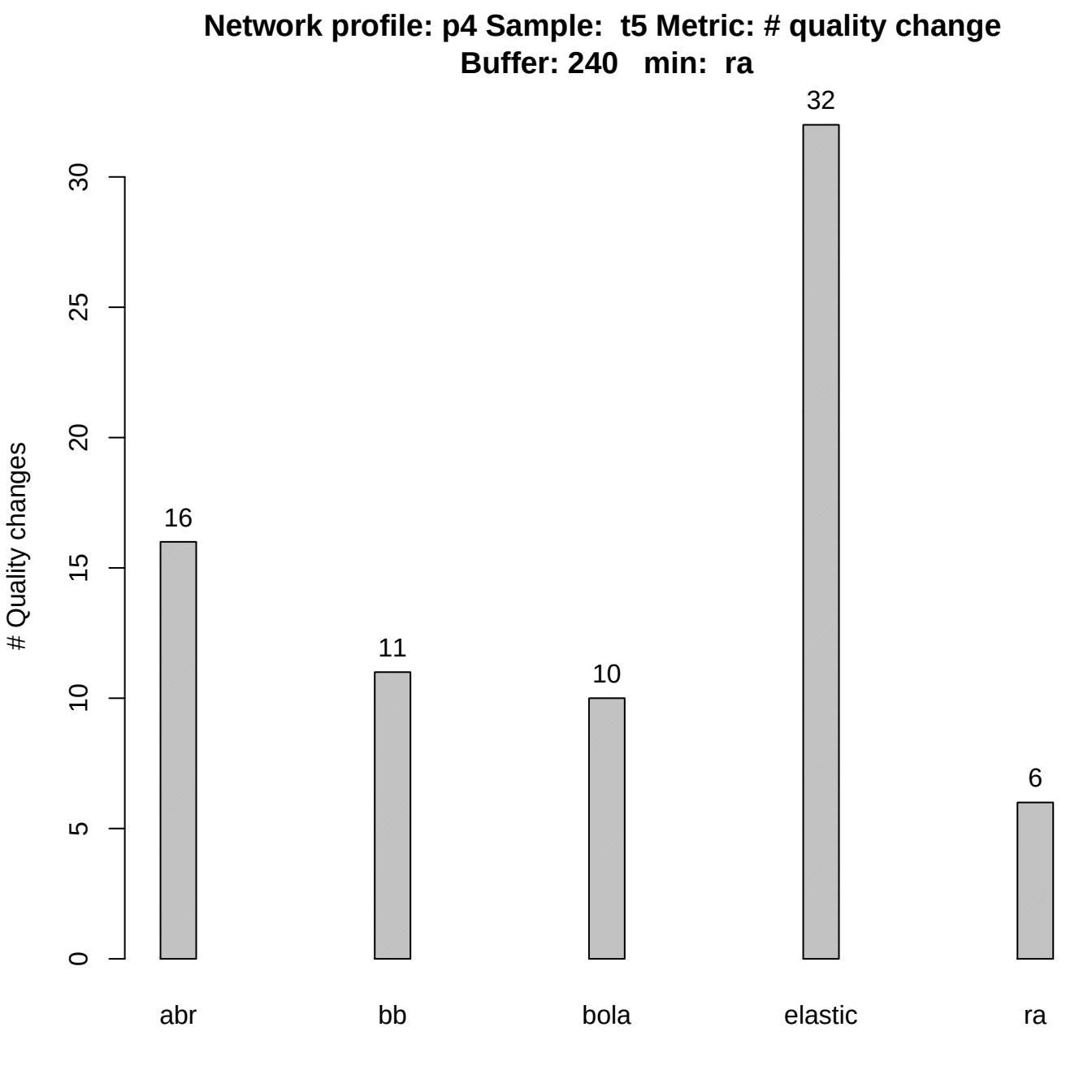

Network profile: p4 Sample: t4 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
200
400
600
800
1000
1200
1400
1143
1428.36
1143
1460.93
1366.63
abr
bb
bola
elastic
ra

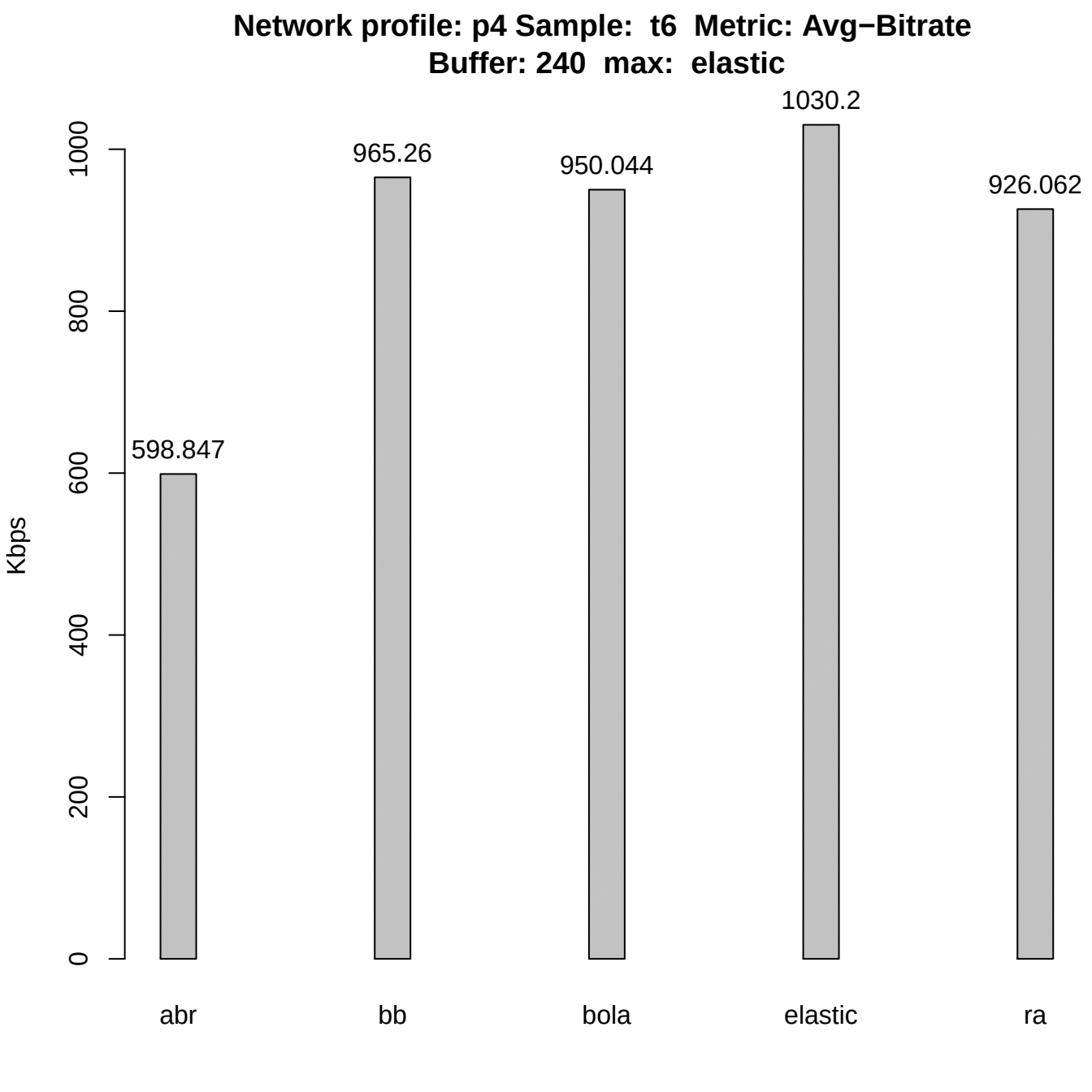

Network profile: p4 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.115572
0.114813
0.129197
0.10852
0.137005
abr
bb
bola
elastic
ra

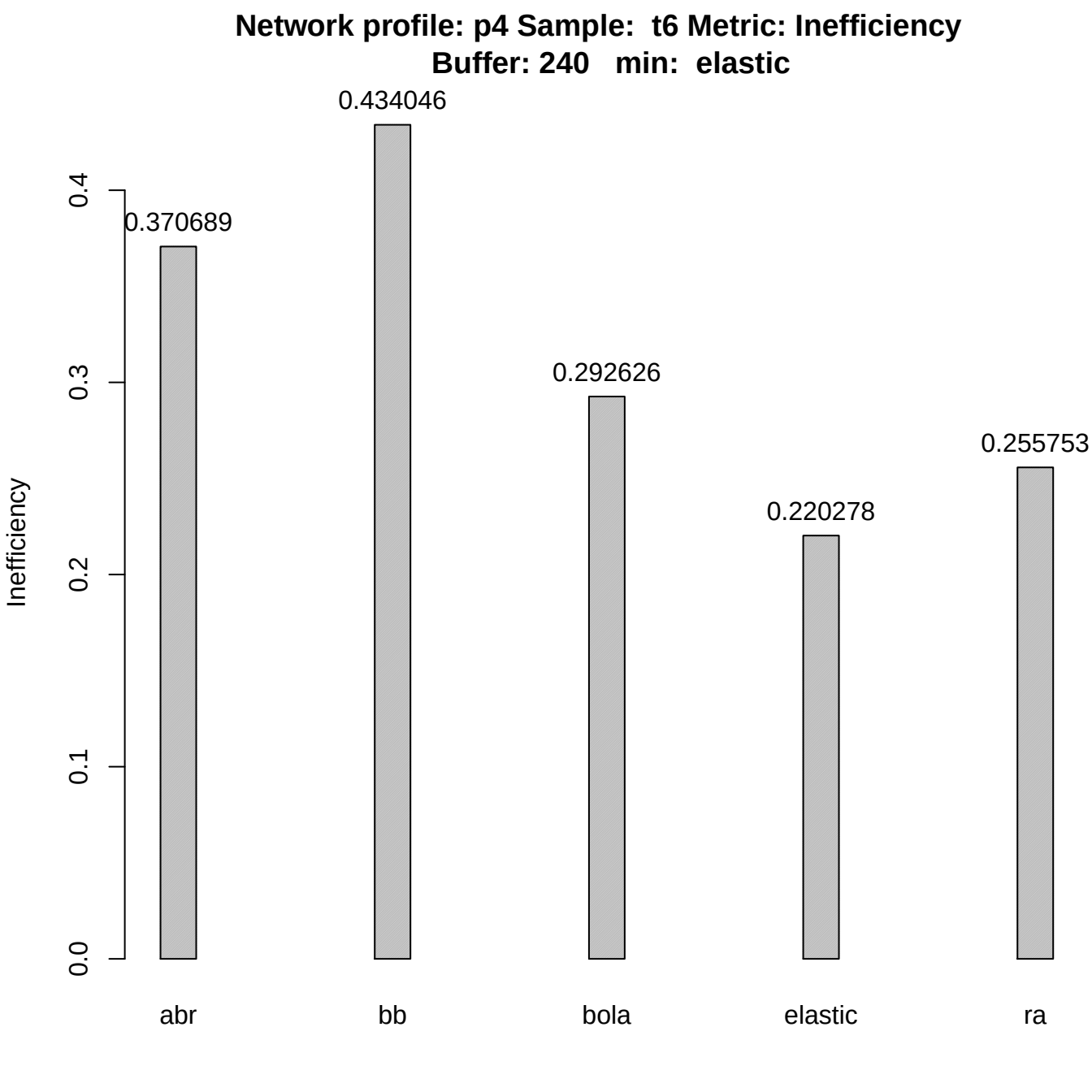

Network profile: p4 Sample: t4 Metric: # quality change
Buffer: 240 min: abr
Quality changes
0
5
10
15
20
0
17
0
21
7
abr
bb
bola
elastic
ra

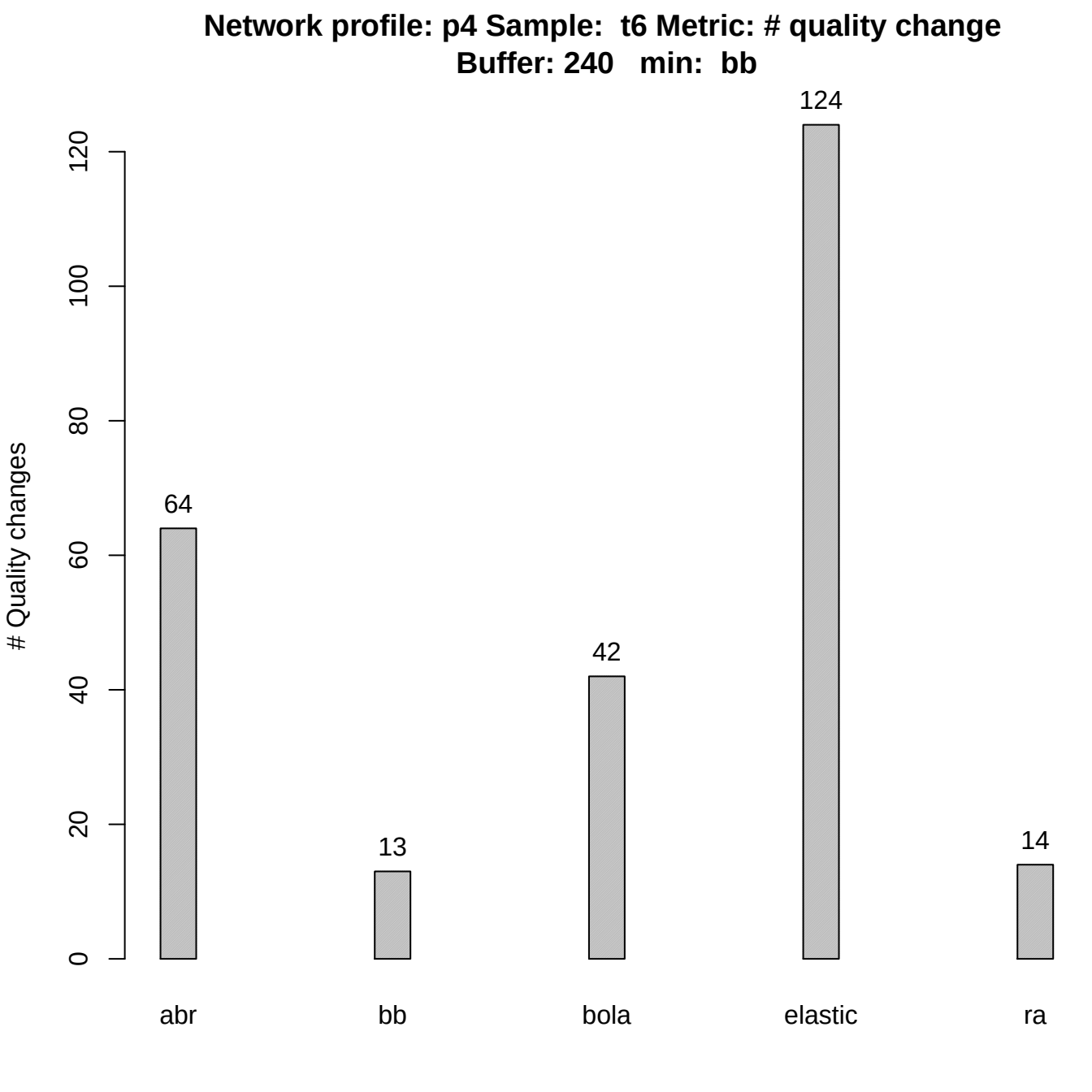

Network profile: p4 Sample: t5 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
200
400
600
800
744.809
492.046
814.067
922.491
822.79
abr
bb
bola
elastic
ra

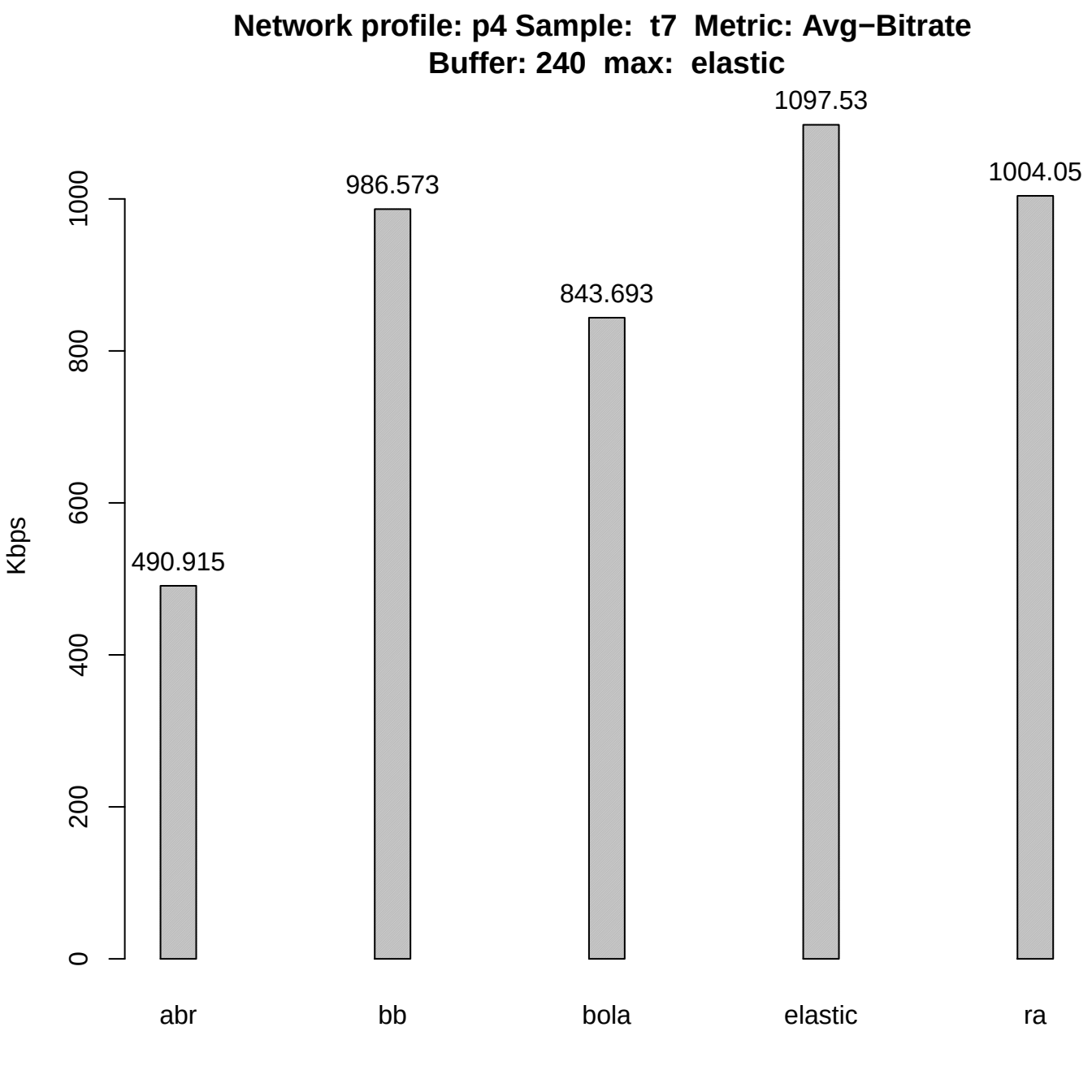

Network profile: p4 Sample: t5 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.5
0.384774
0.531546
0.295525
0.290822
0.300753
abr
bb
bola
elastic
ra

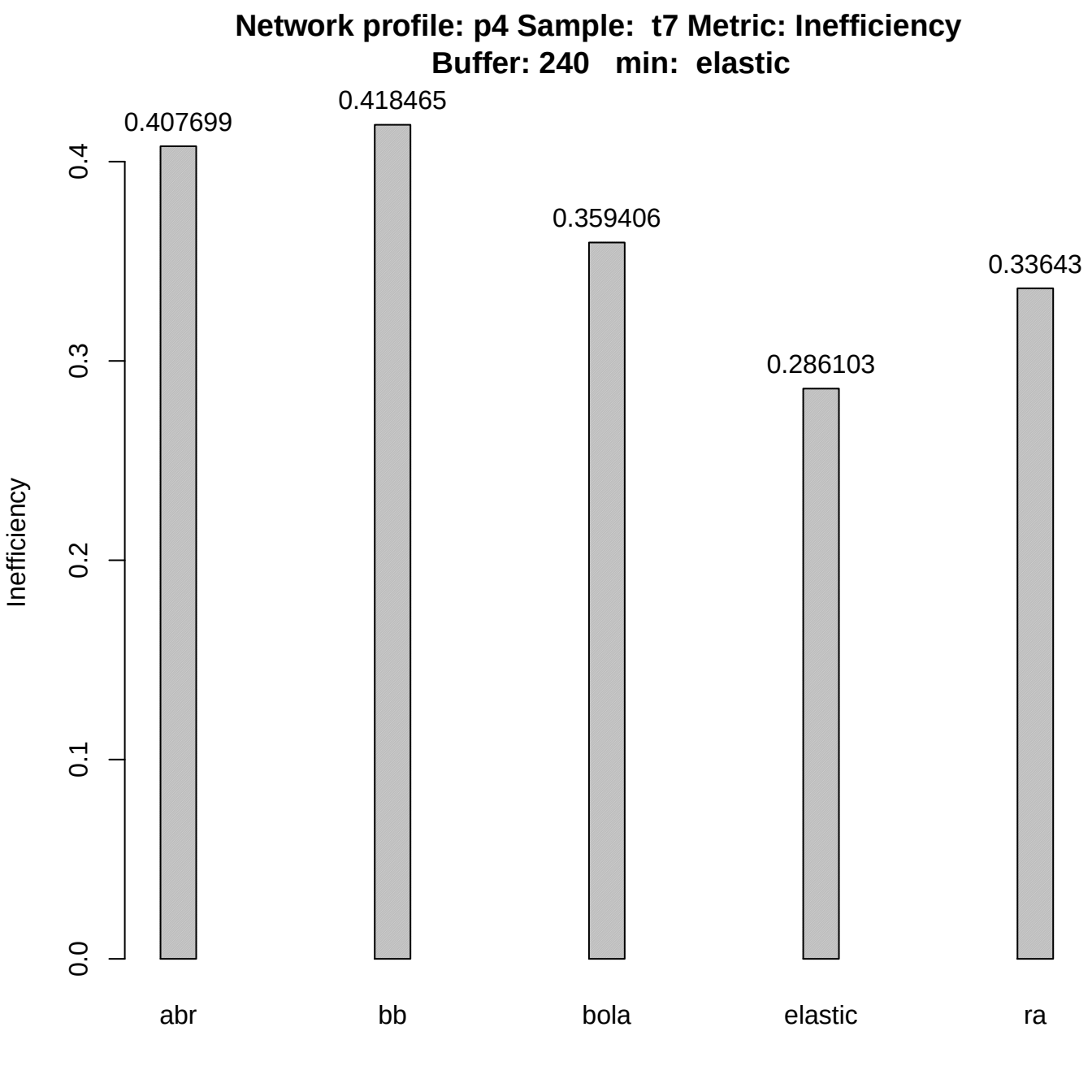

Network profile: p4 Sample: t5 Metric: # quality change
Buffer: 240 min: ra
Quality changes
0
5
10
15
20
25
30
16
11
10
32
6
abr
bb
bola
elastic
ra

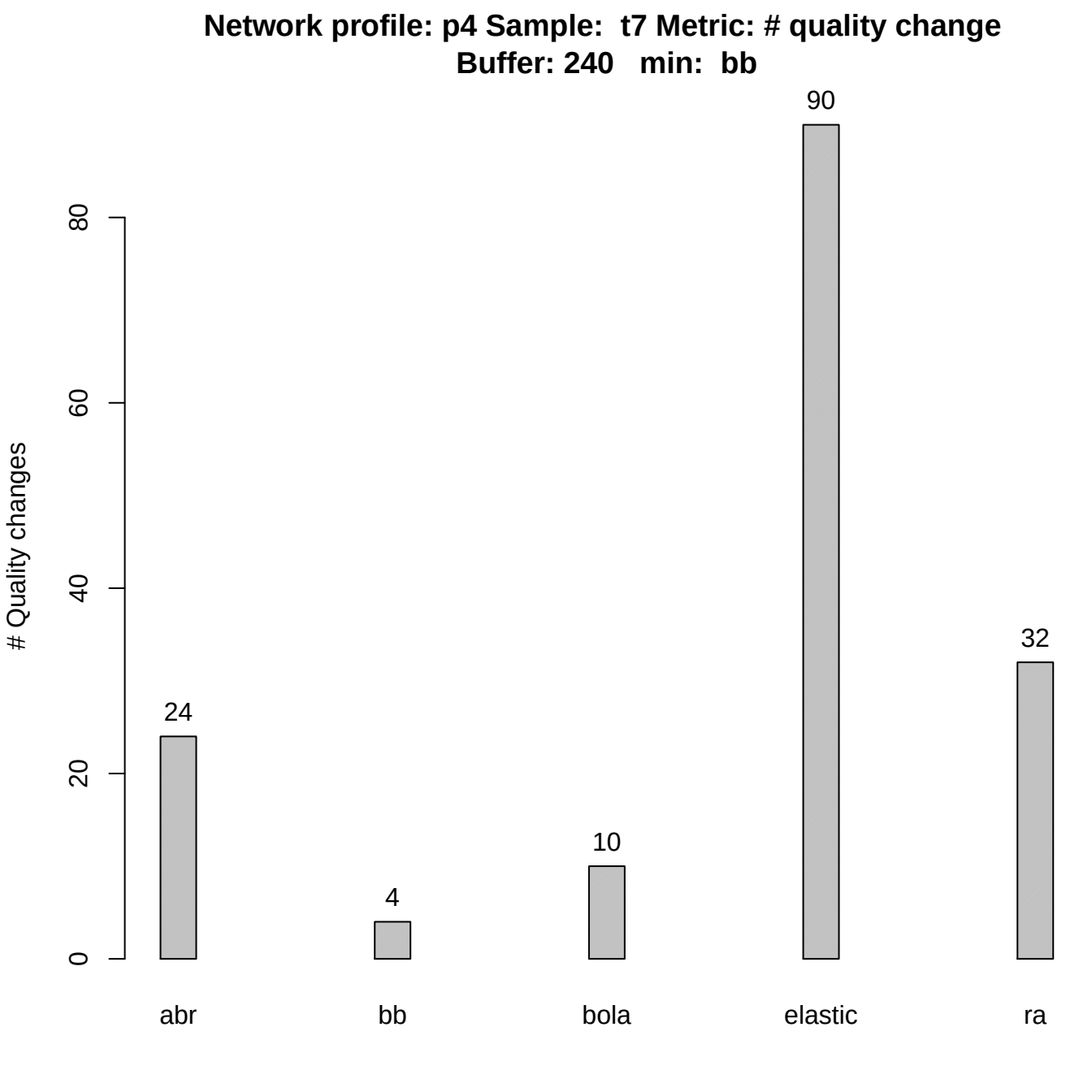

Network profile: p4 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
200
400
600
800
1000
598.847
965.26
950.044
1030.2
926.062
abr
bb
bola
elastic
ra


Network profile: p4 Sample: t6 Metric: Inefficiency
Buffer: 240 min: elastic
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.370689
0.434046
0.292626
0.220278
0.255753
abr
bb
bola
elastic
ra


Network profile: p4 Sample: t6 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
20
40
60
80
100
120
64
13
42
124
14
abr
bb
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: Avg−Bitrate
Buffer: 240 max: elastic
Kbps
0
200
400
600
800
1000
490.915
986.573
843.693
1097.53
1004.05
abr
bb
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic
0.407699
0.418465
0.359406
0.286103
0.33643
Inefficiency
0.0
0.1
0.2
0.3
0.4
abr
bb
bola
elastic
ra


Network profile: p4 Sample: t7 Metric: # quality change
Buffer: 240 min: bb
Quality changes
0
20
40
60
80
24
4
10
90
32
abr
bb
bola
elastic
ra