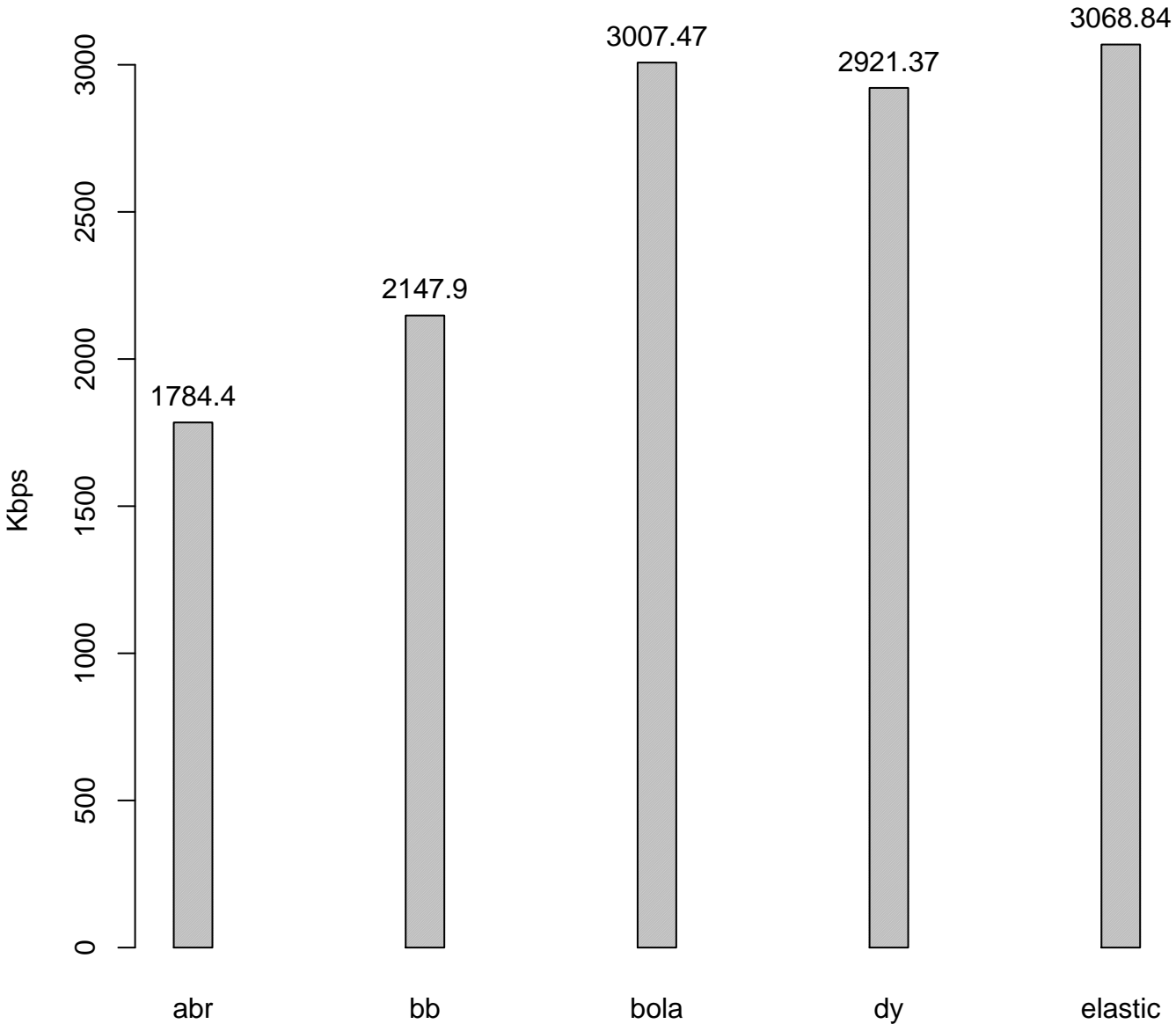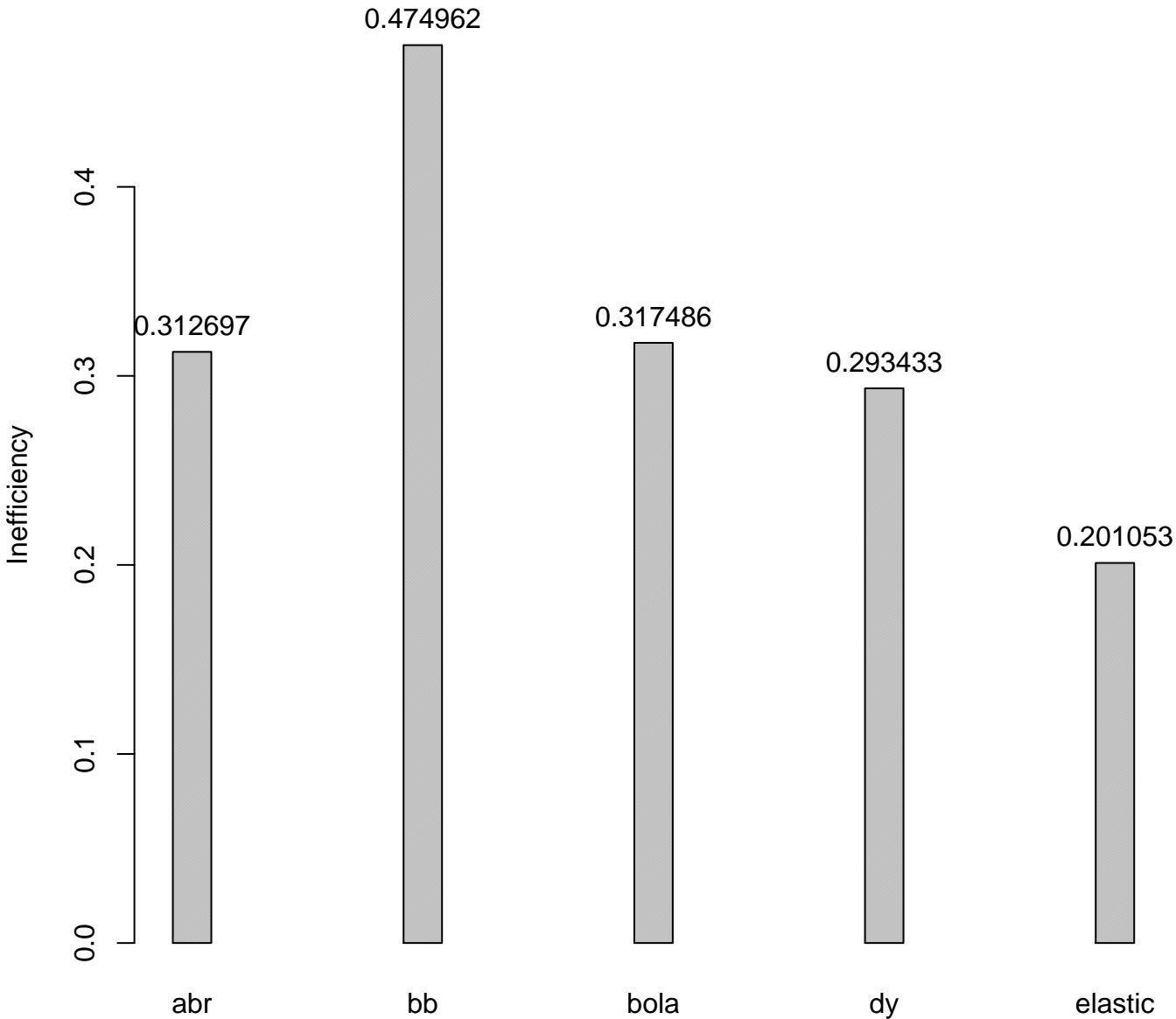**Network profile: p1 Sample: t1 Metric: Avg−Bitrate**
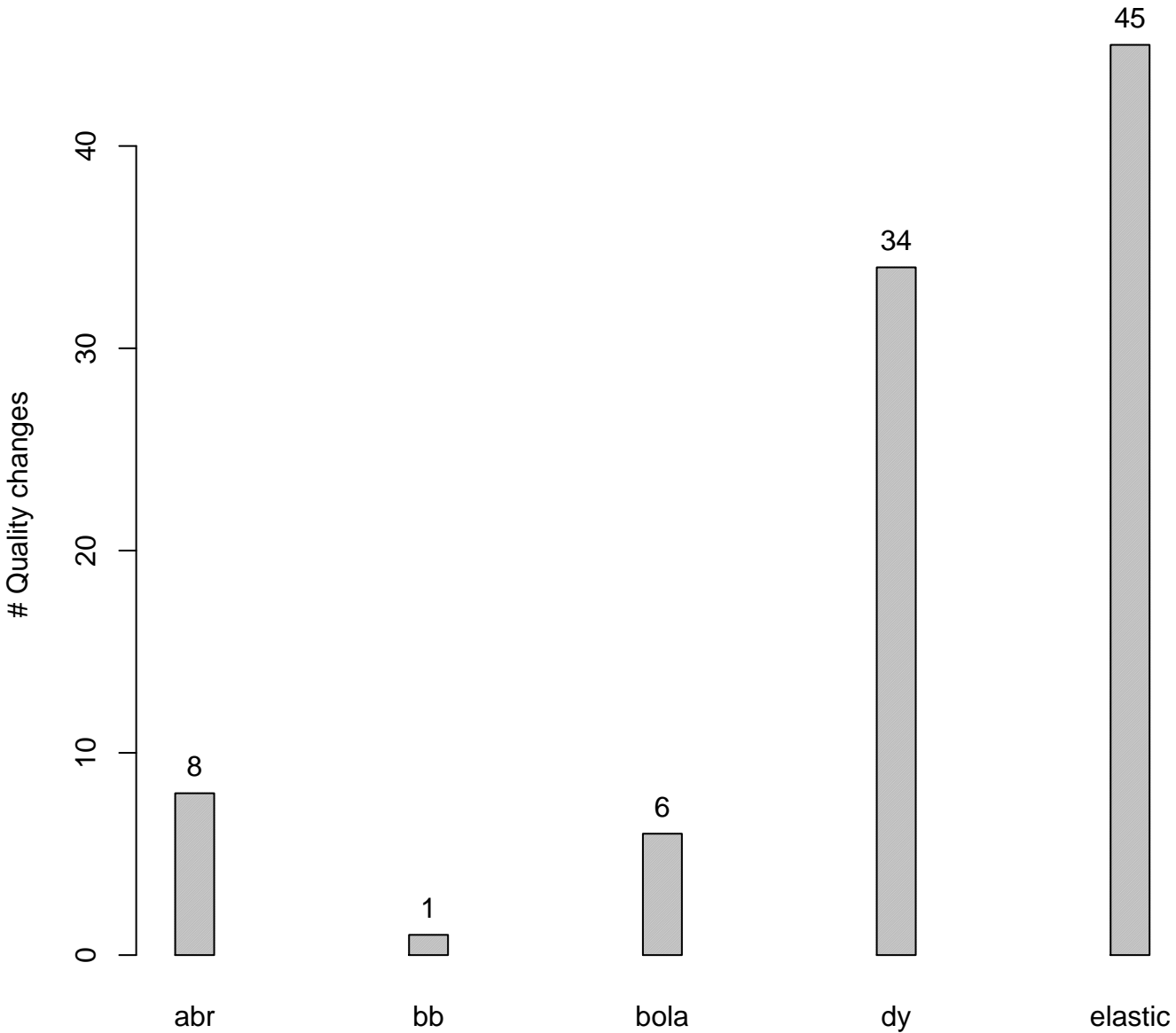**Buffer: 240 max: elastic**

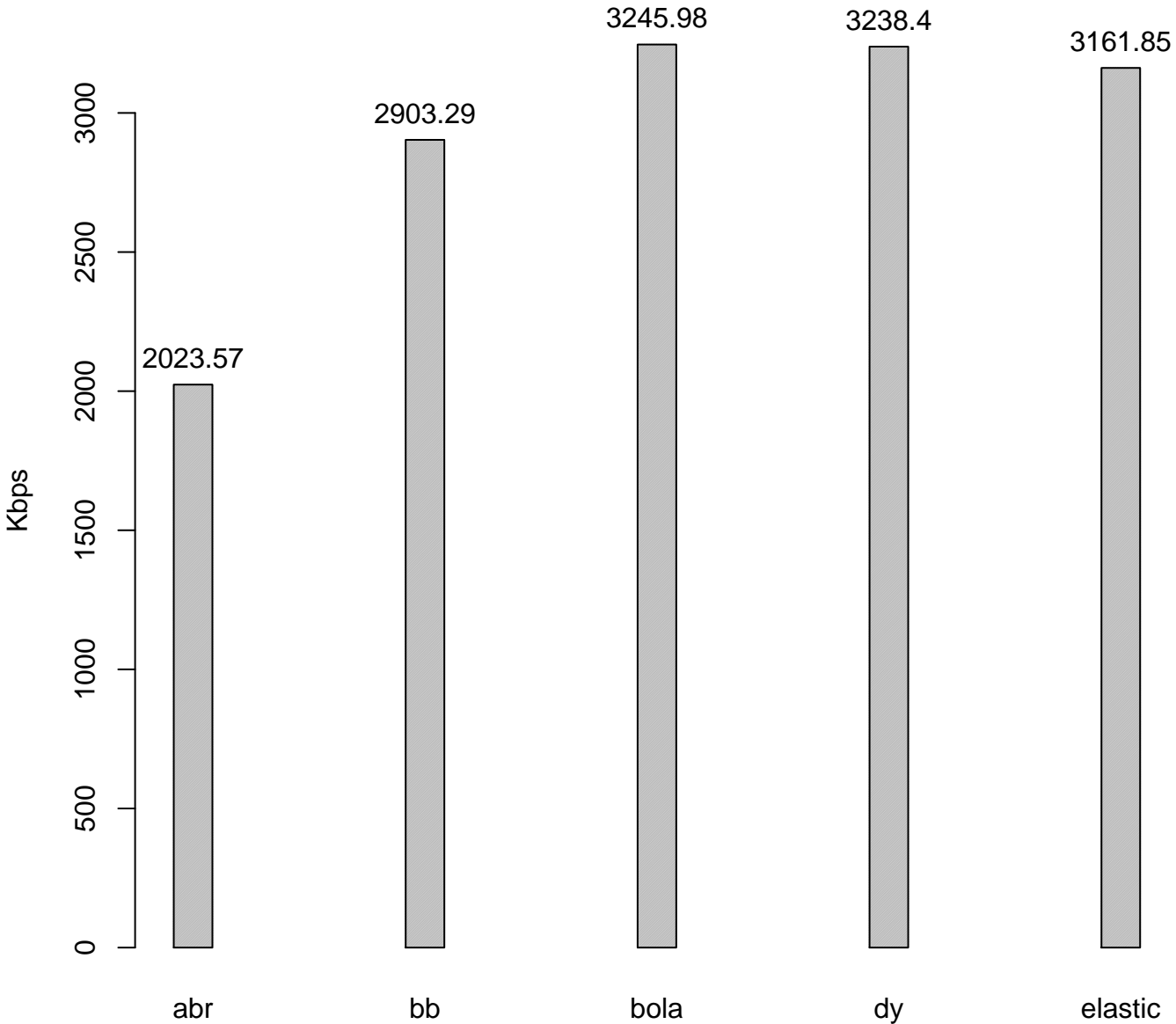**Network profile: p1 Sample: t1 Metric: Inefficiency**
Buffer: 240 min: elastic

**Network profile: p1 Sample: t1 Metric: # quality change
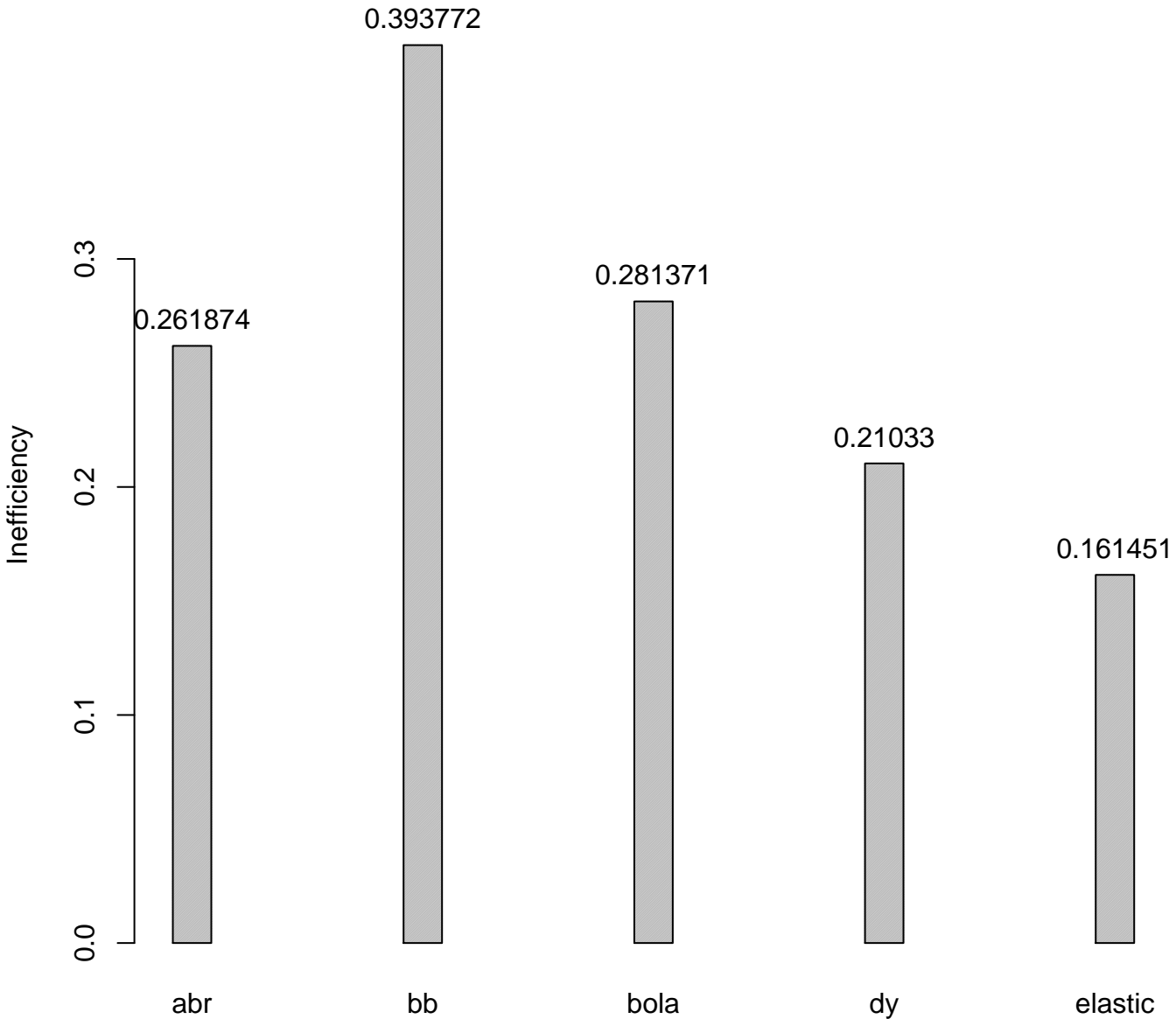Buffer: 240 min: bb**

Network profile: p1 Sample: t2 Metric: Avg−Bitrate
Buffer: 240   max: bola

Network profile: p1 Sample: t2 Metric: Inefficiency
Buffer: 240 min: elastic

Inefficiency

0.261874   0.393772   0.281371   0.21033   0.161451

abr   bb   bola   dy   elastic

Network profile: p1 Sample: t2 Metric: # quality change
Buffer: 240 min: bb

Network profile: p1 Sample: t3 Metric: Avg−Bitrate
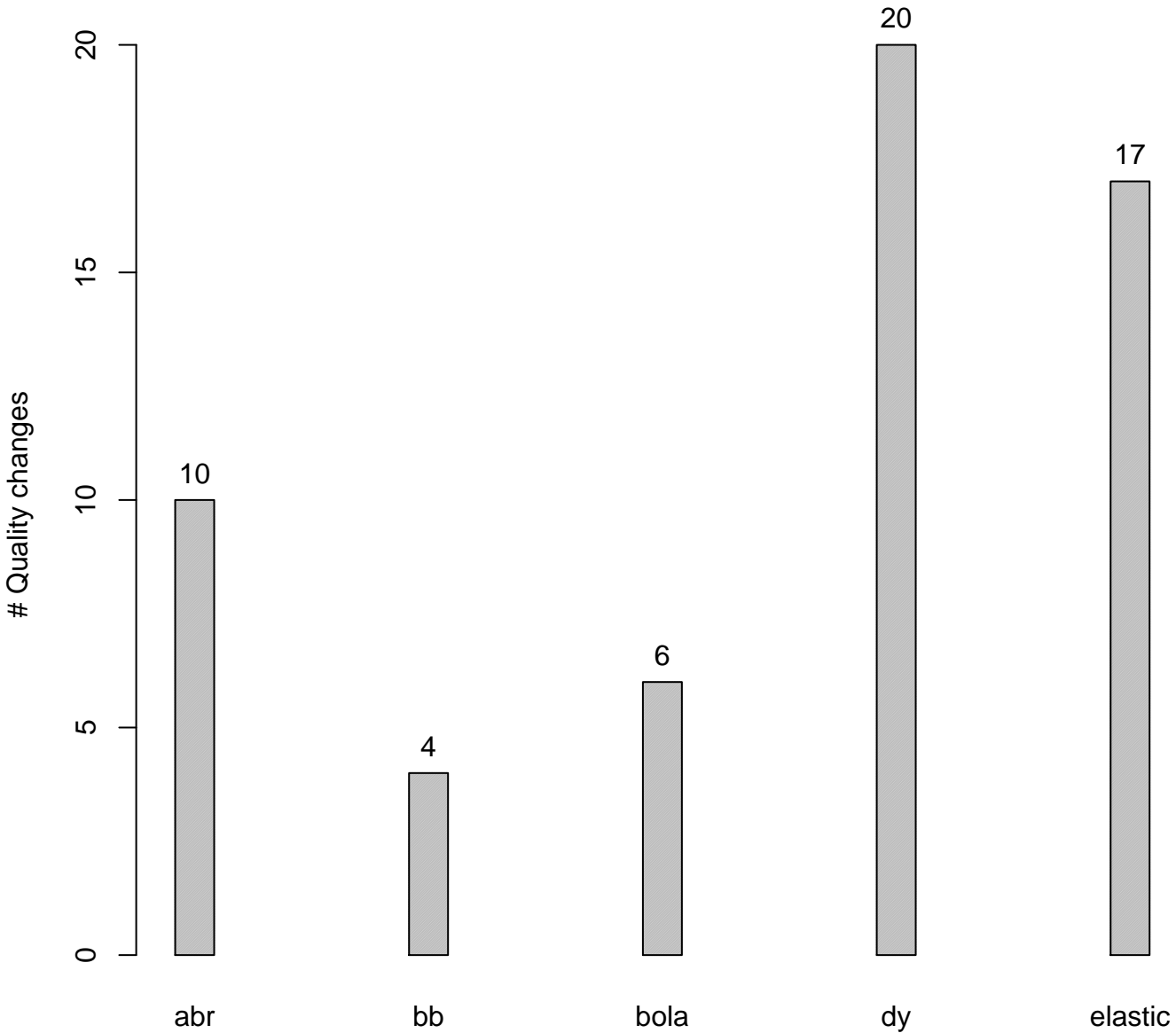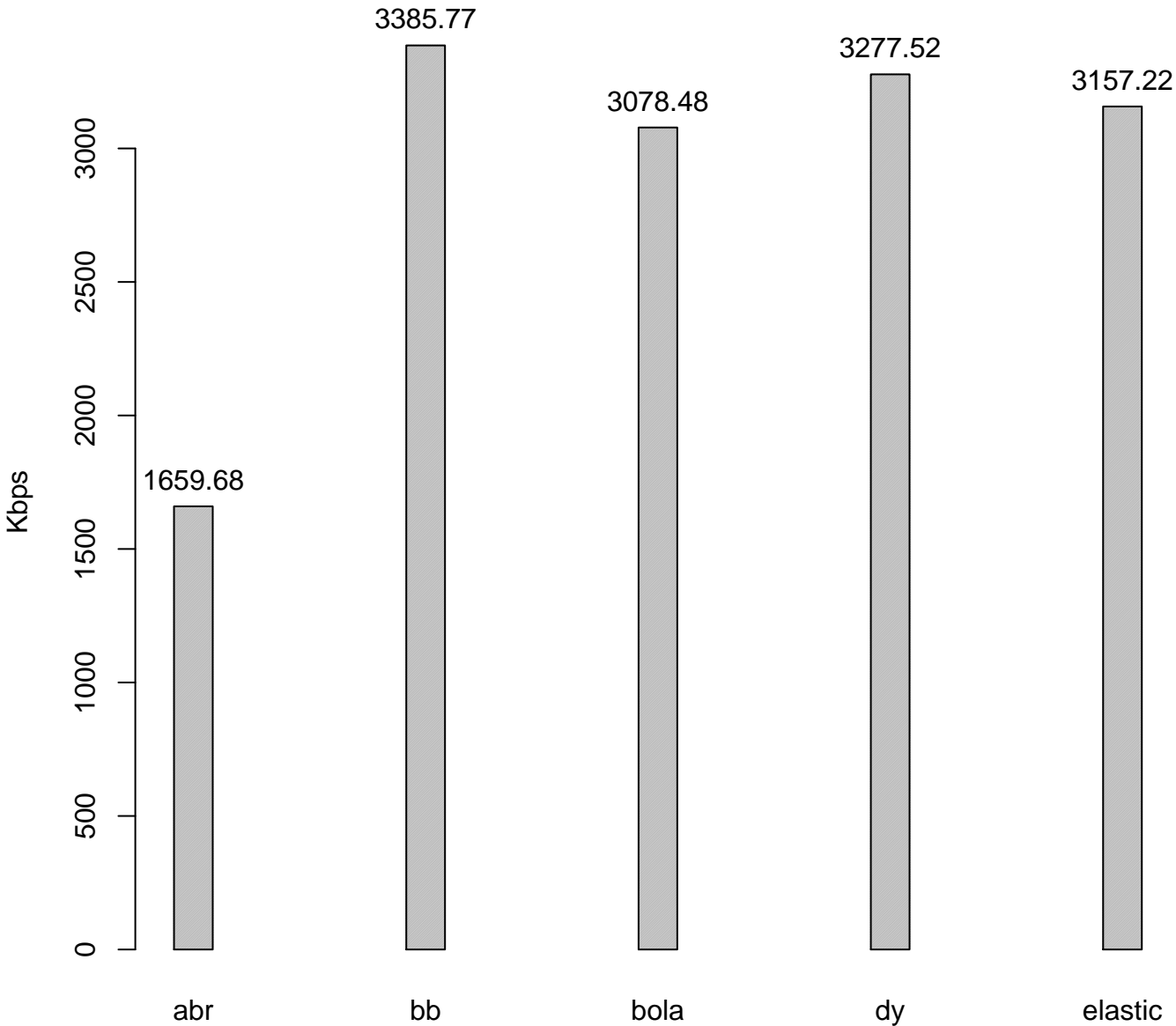**Buffer: 240   max: bb**

Network profile: p1 Sample: t3 Metric: Inefficiency
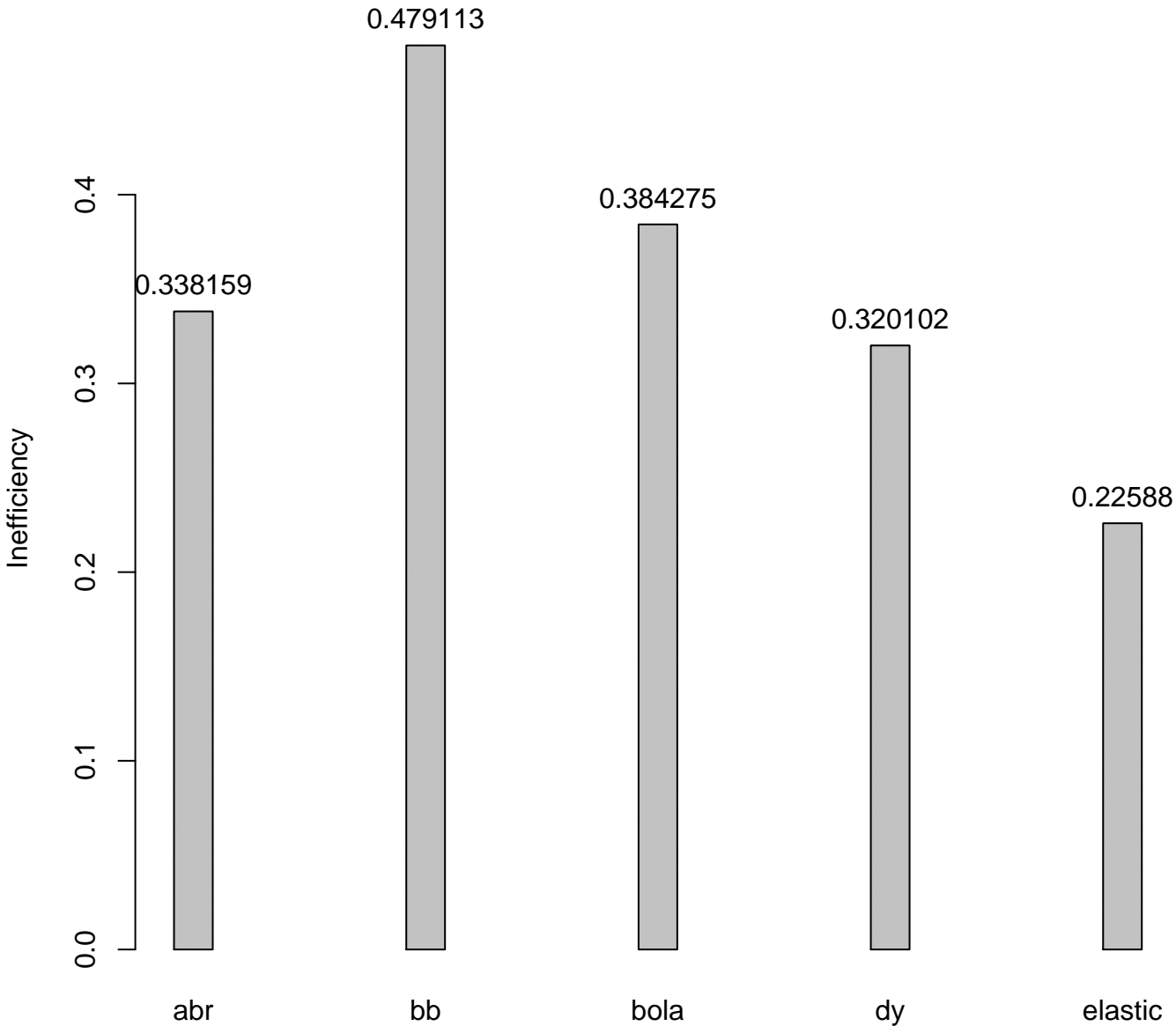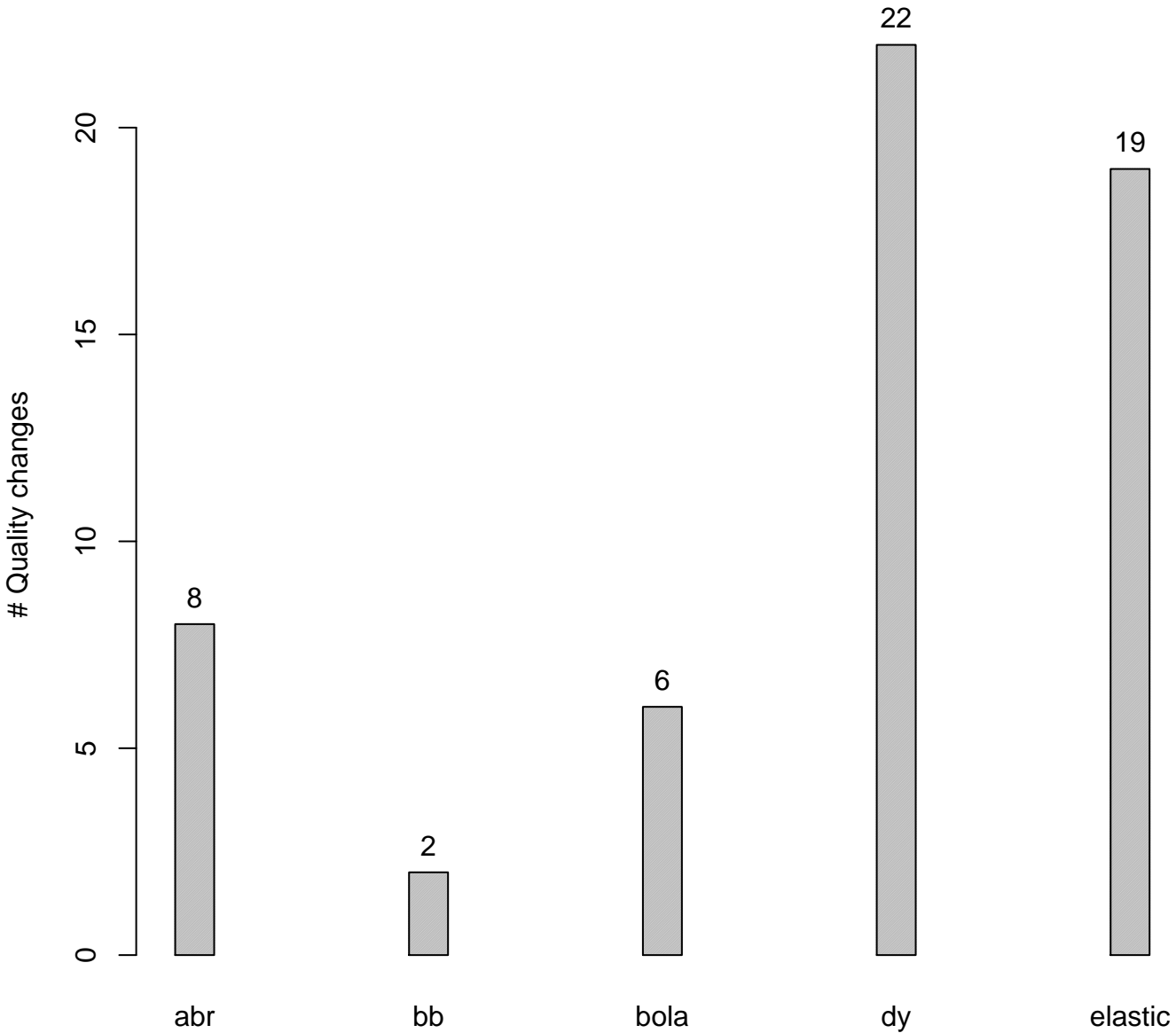**Buffer: 240 min: elastic**

Network profile: p1 Sample: t3 Metric: # quality change
Buffer: 240 min: bb

Network profile: p1 Sample: t4 Metric: Avg−Bitrate
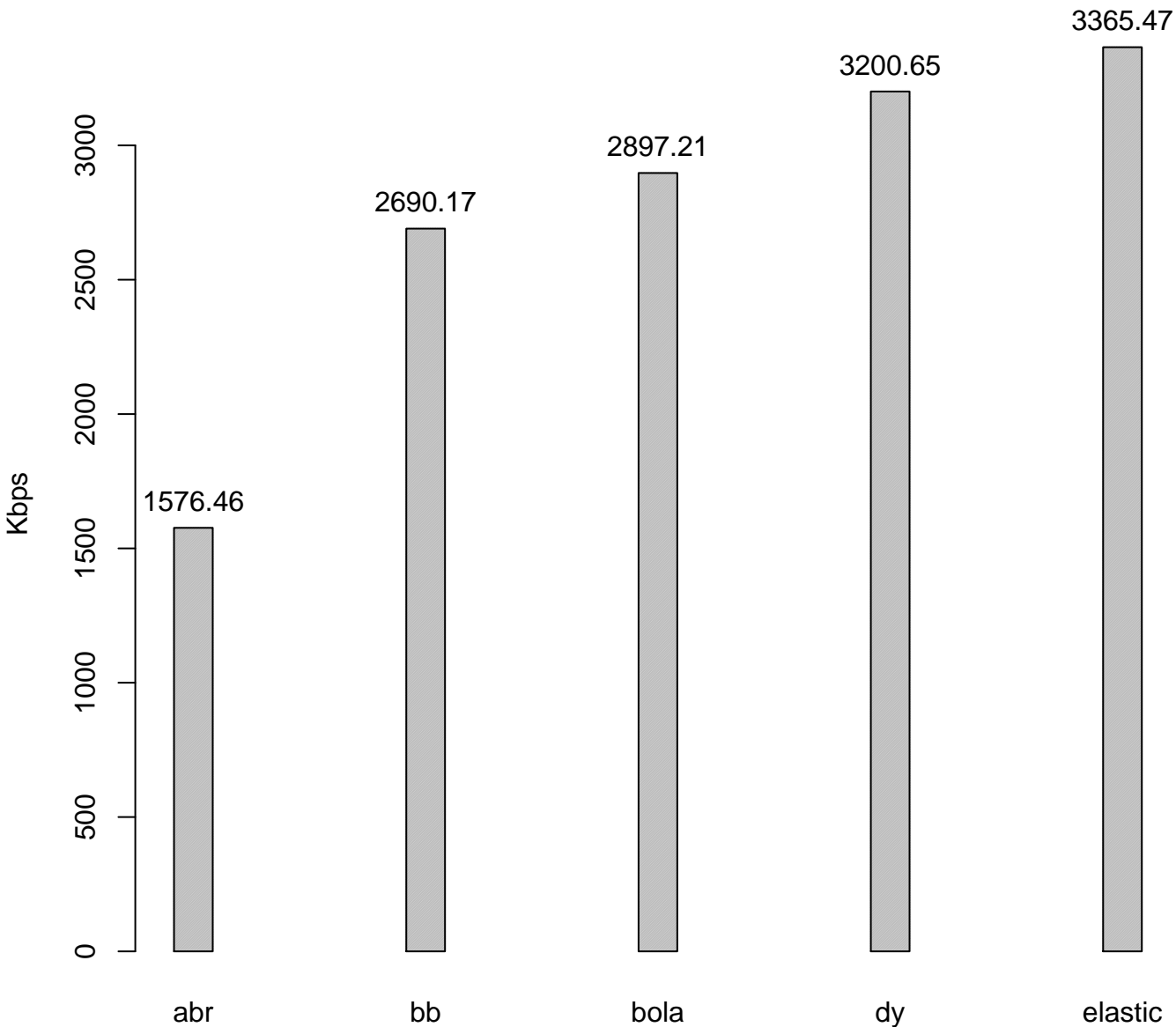**Buffer: 240   max: elastic**

Network profile: p1 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic

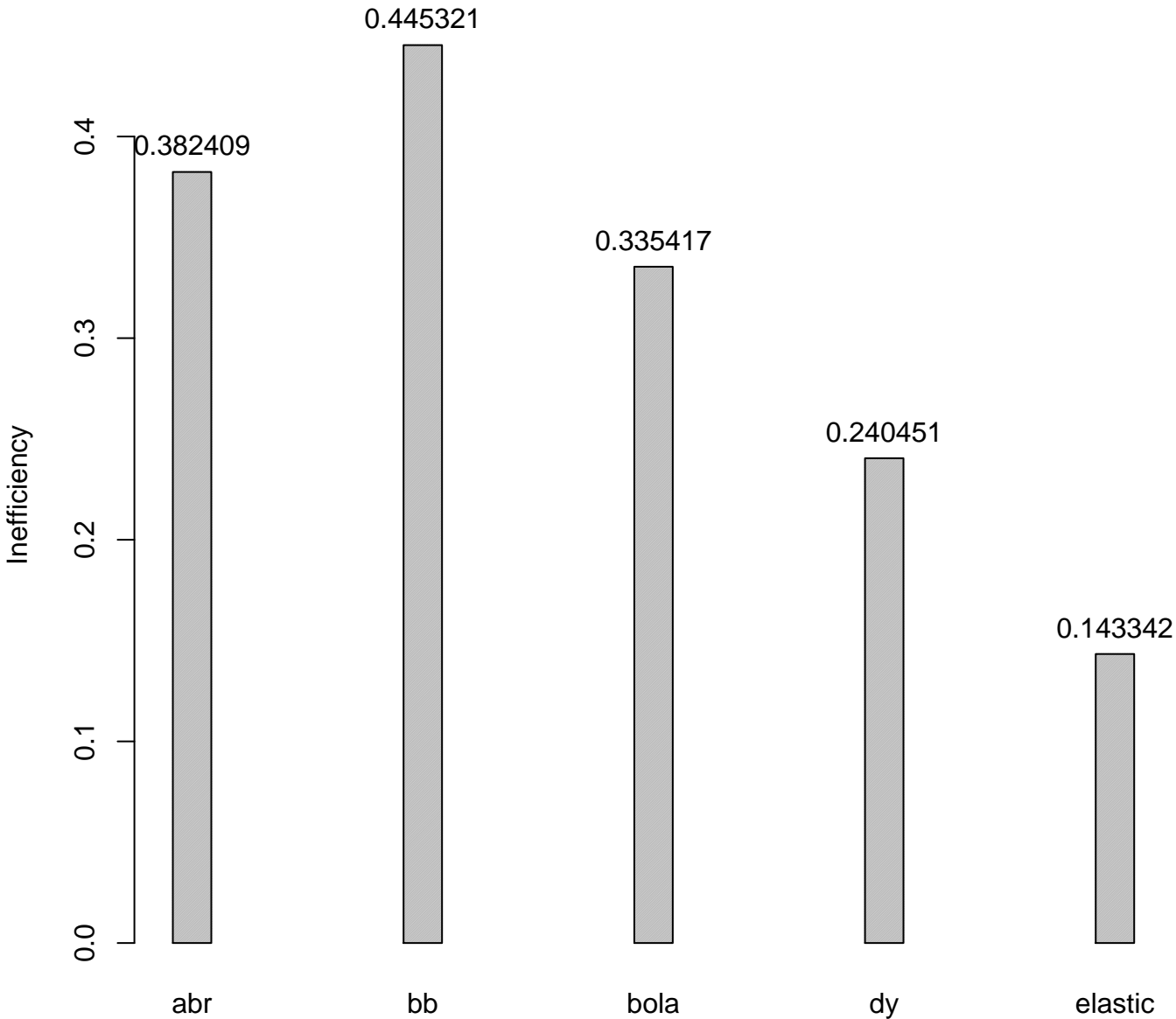**Network profile: p1 Sample: t4 Metric: # quality change**
Buffer: 240 min: bb

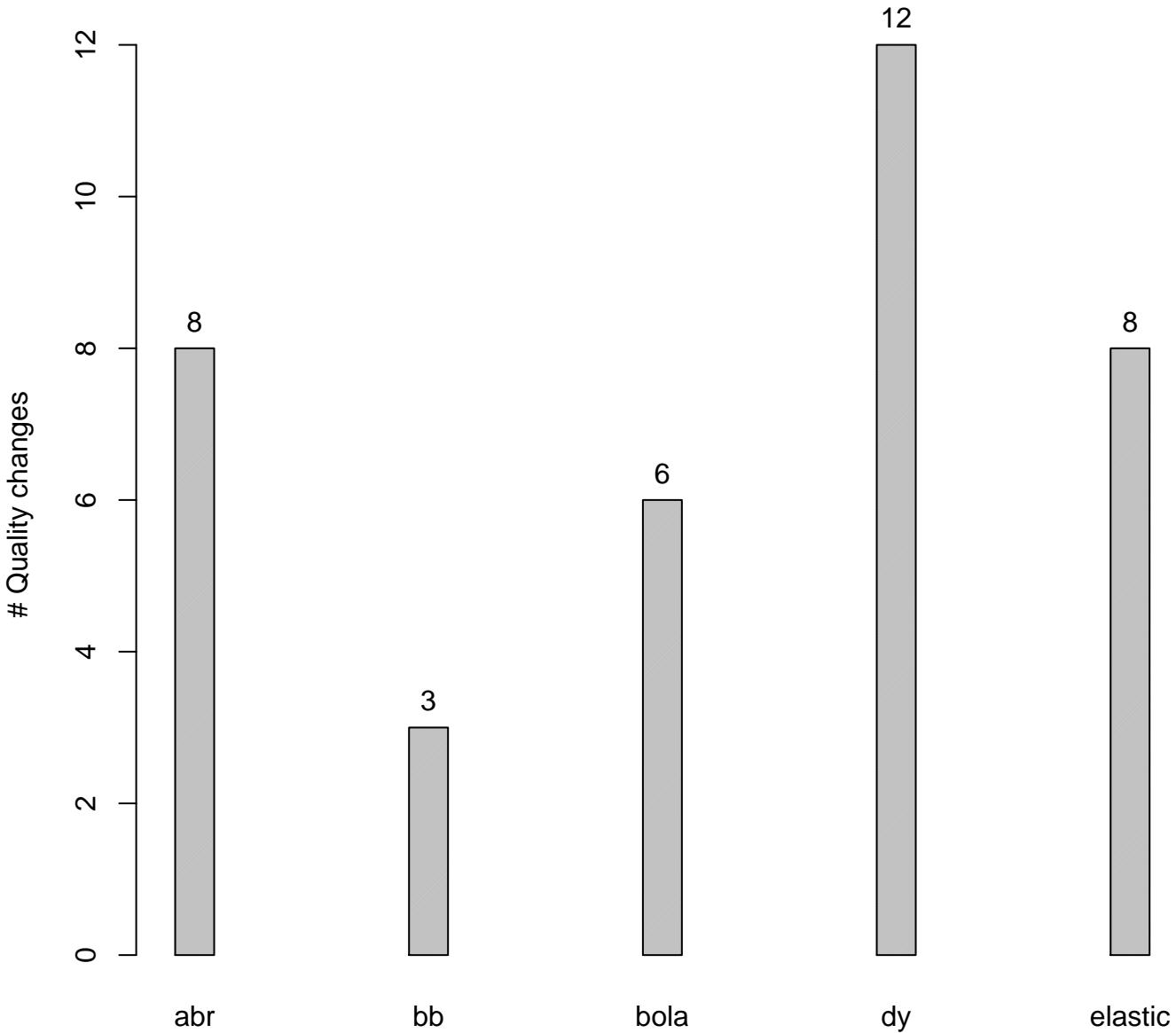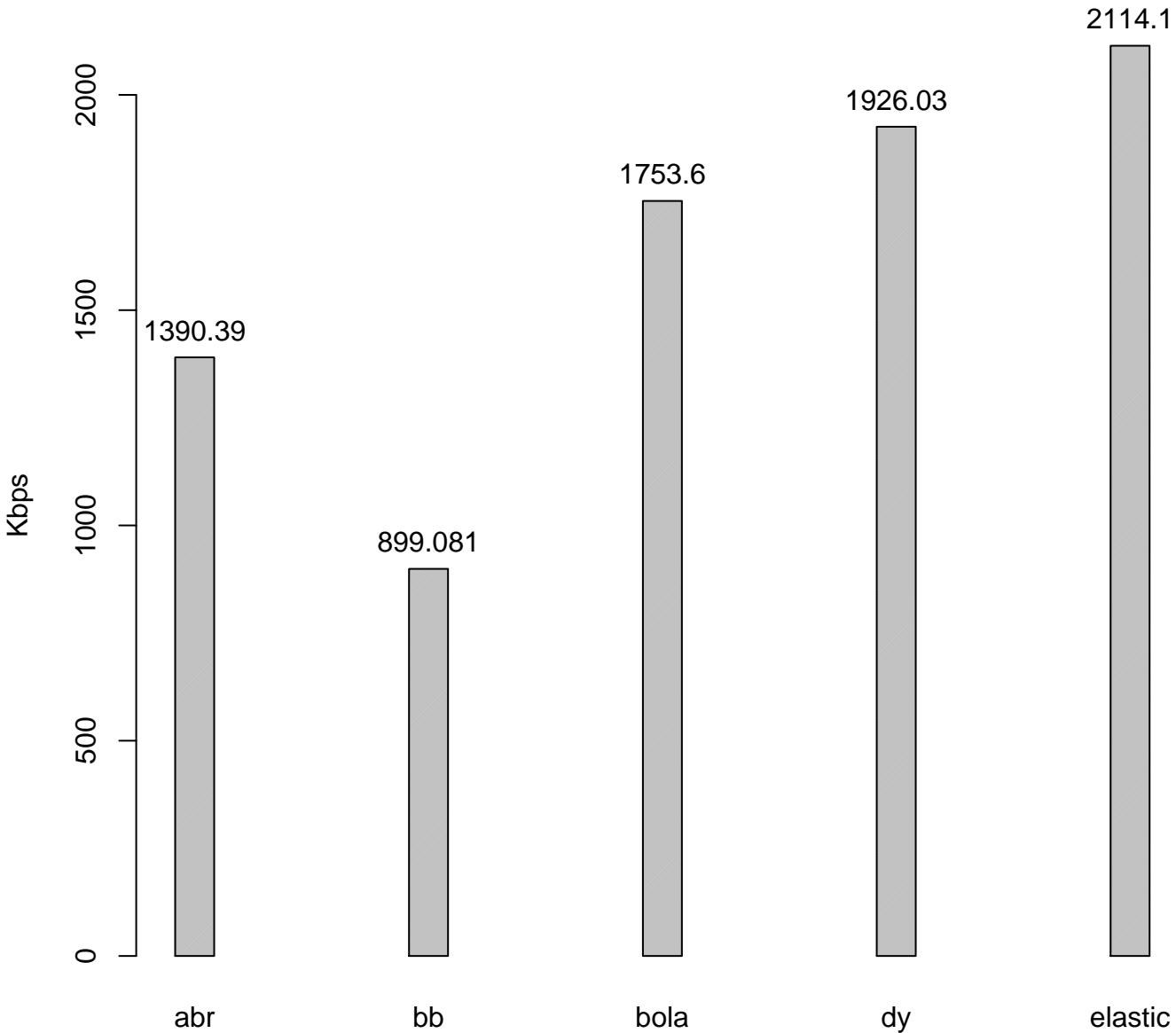**Network profile: p1 Sample: t5 Metric: Avg−Bitrate**
Buffer: 240   max: elastic

Network profile: p1 Sample: t5 Metric: Inefficiency
Buffer: 240 min: bola

Network profile: p1 Sample: t5 Metric: # quality change
Buffer: 240 min: elastic

Network profile: p1 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: dy

Network profile: p1 Sample: t6 Metric: Inefficiency
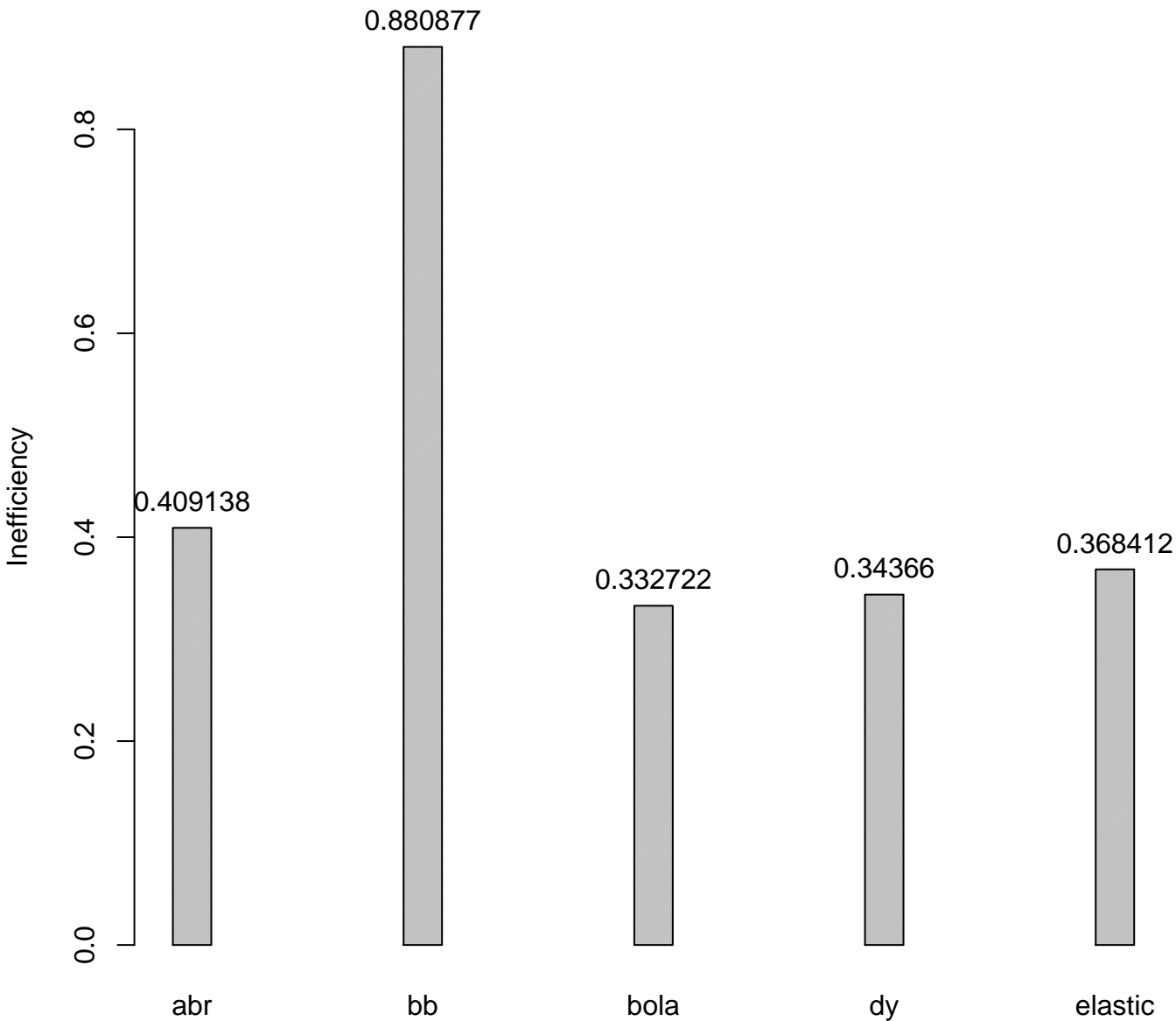**Buffer: 240 min: elastic**

Network profile: p1 Sample: t6 Metric: # quality change
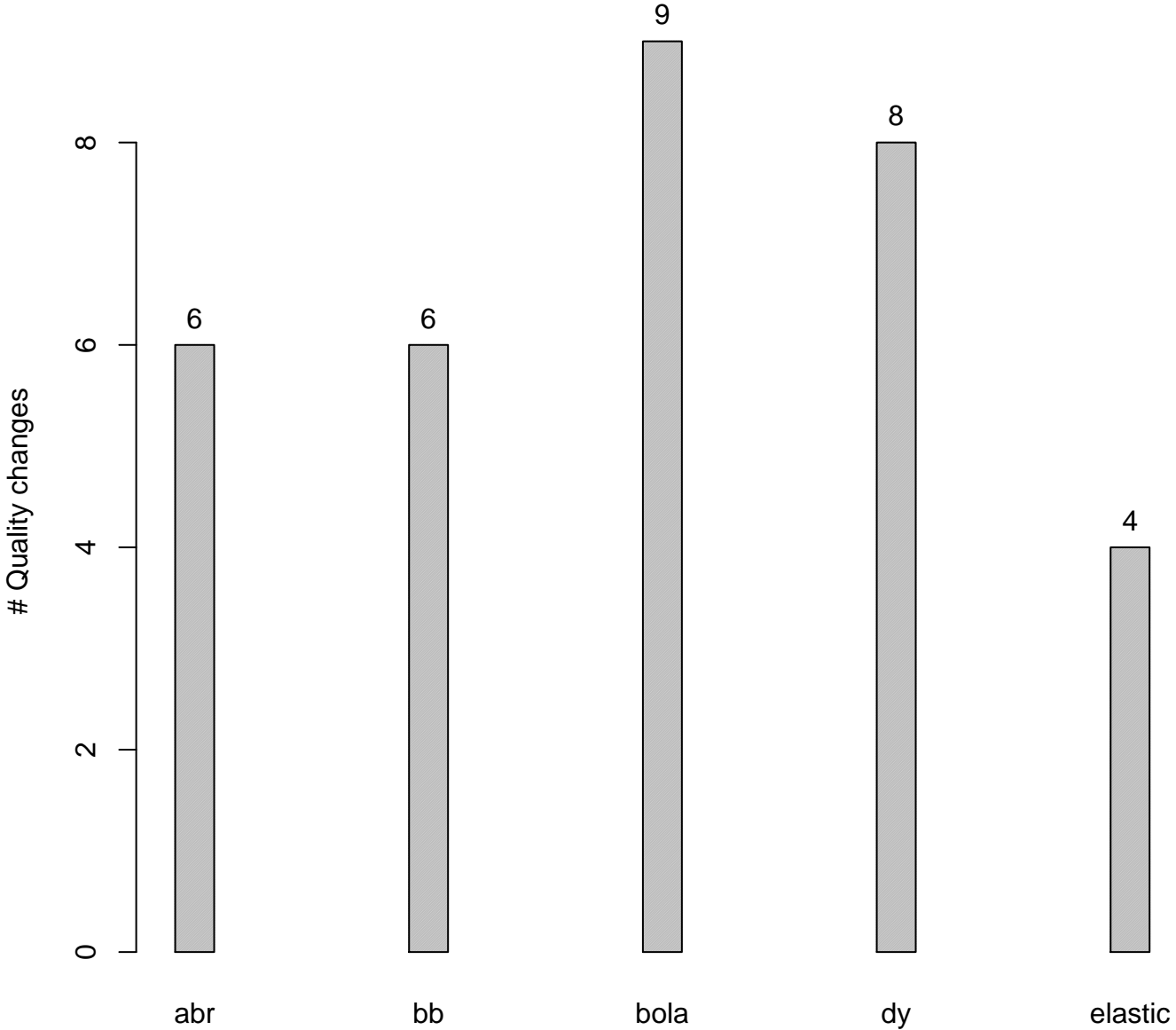**Buffer: 240 min: bola**

Network profile: p1 Sample: t7 Metric: Avg−Bitrate
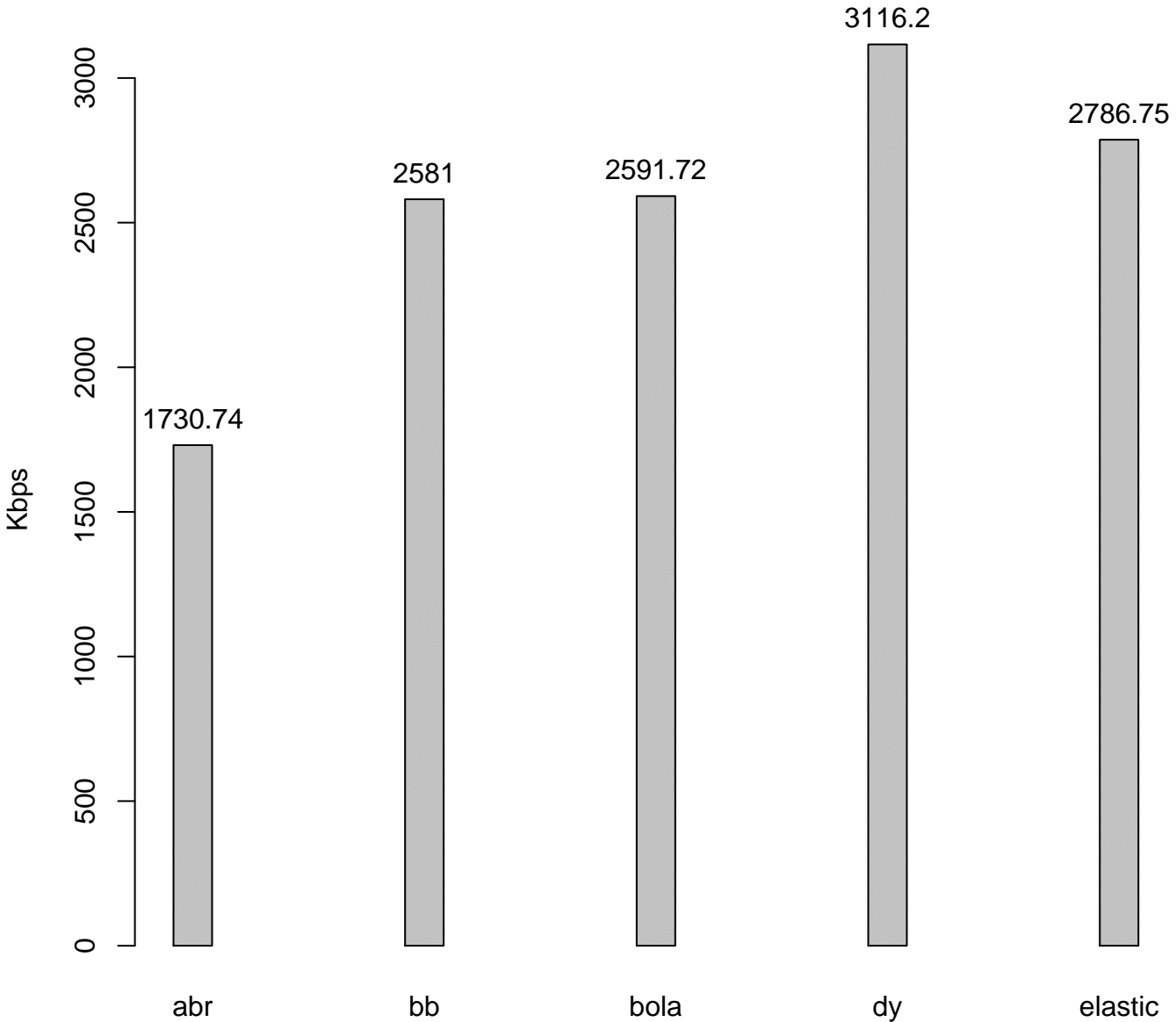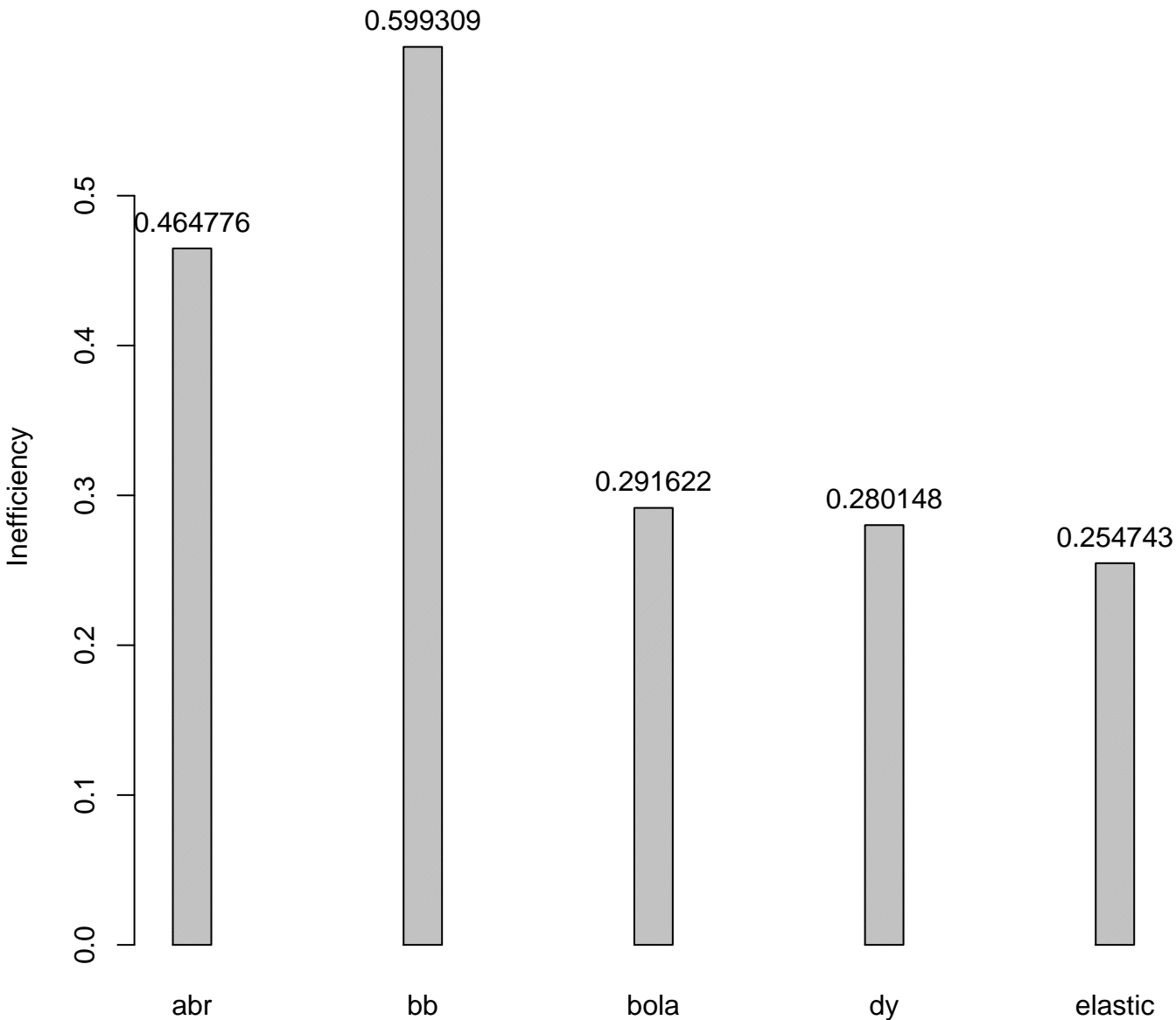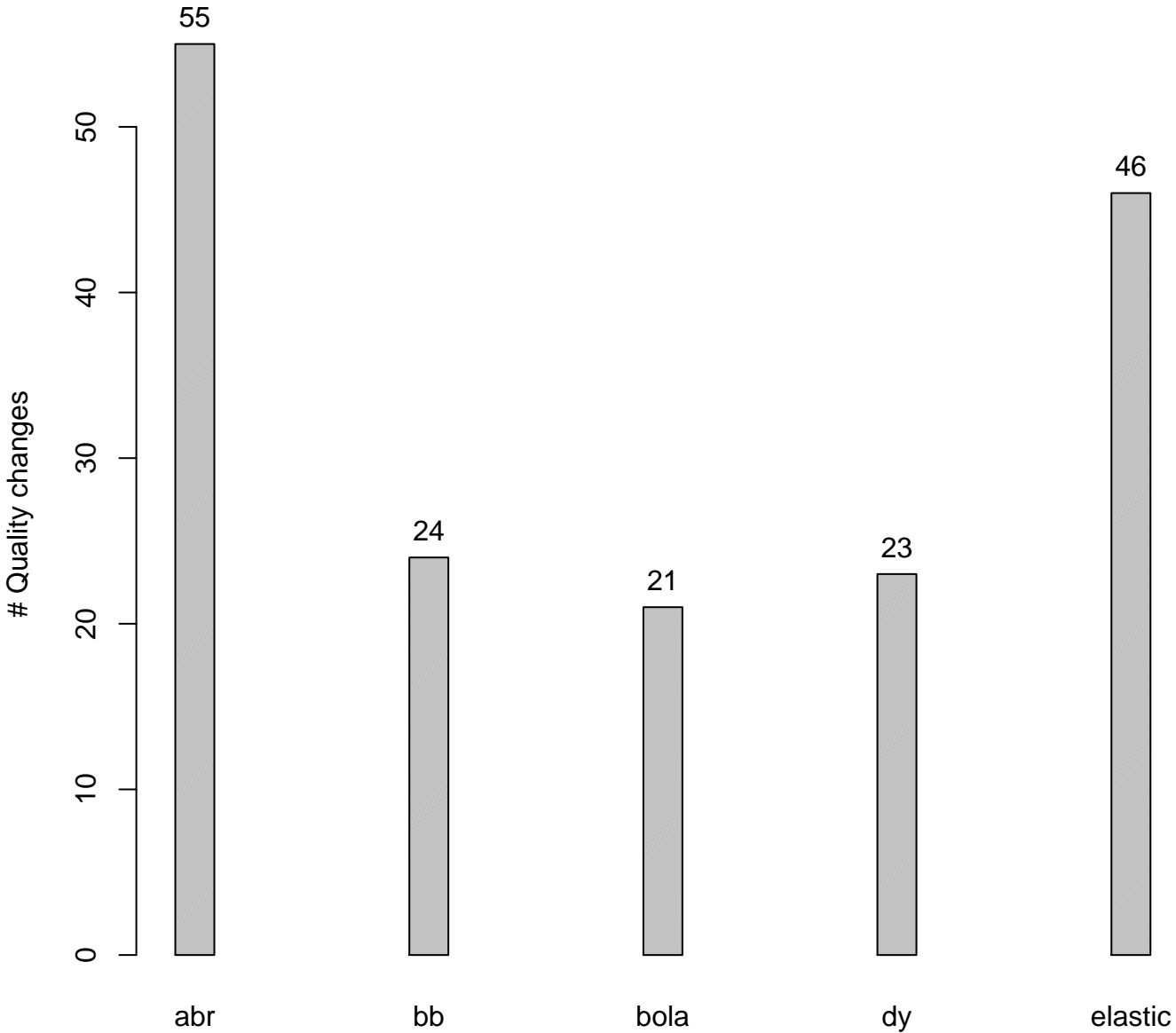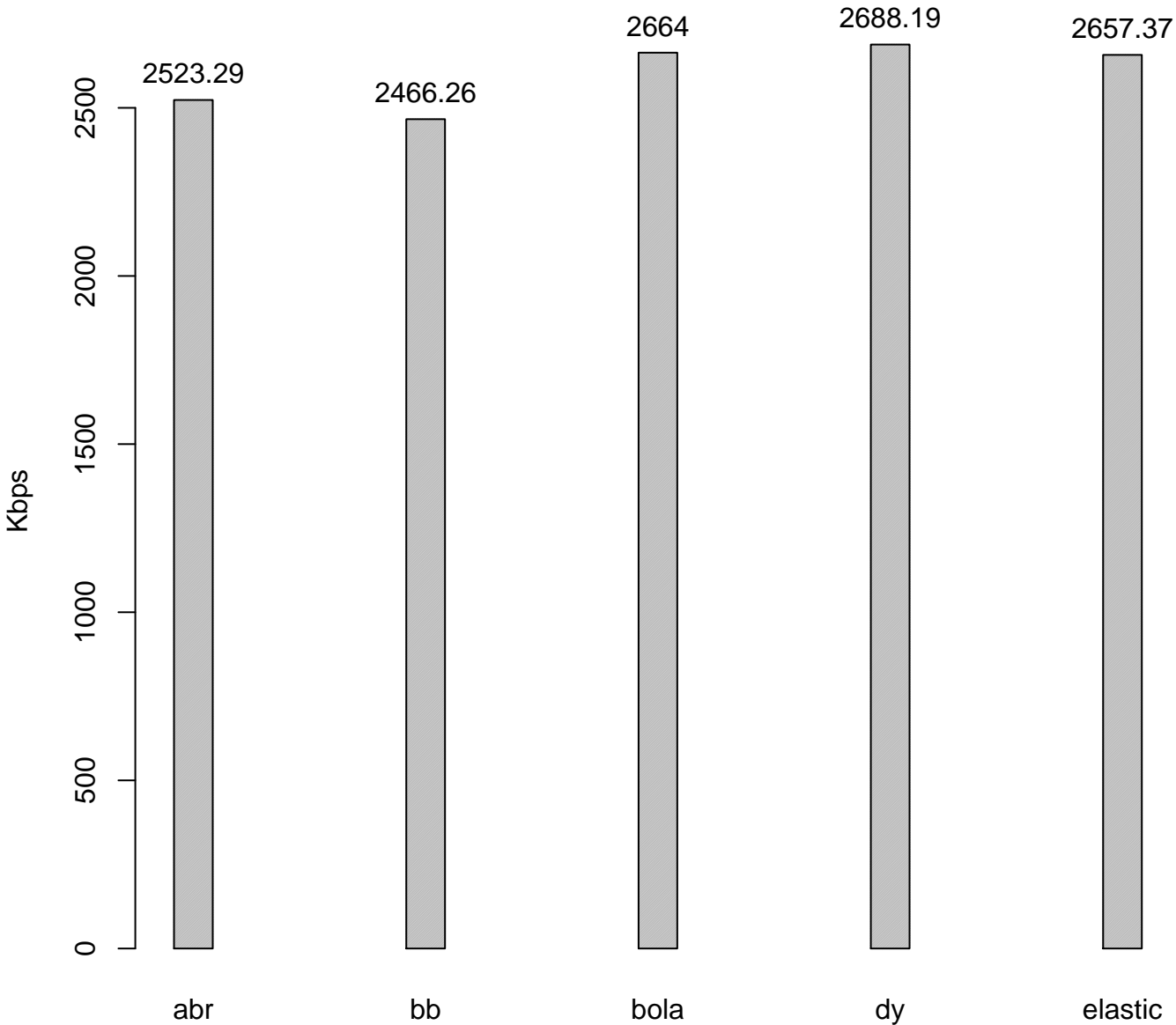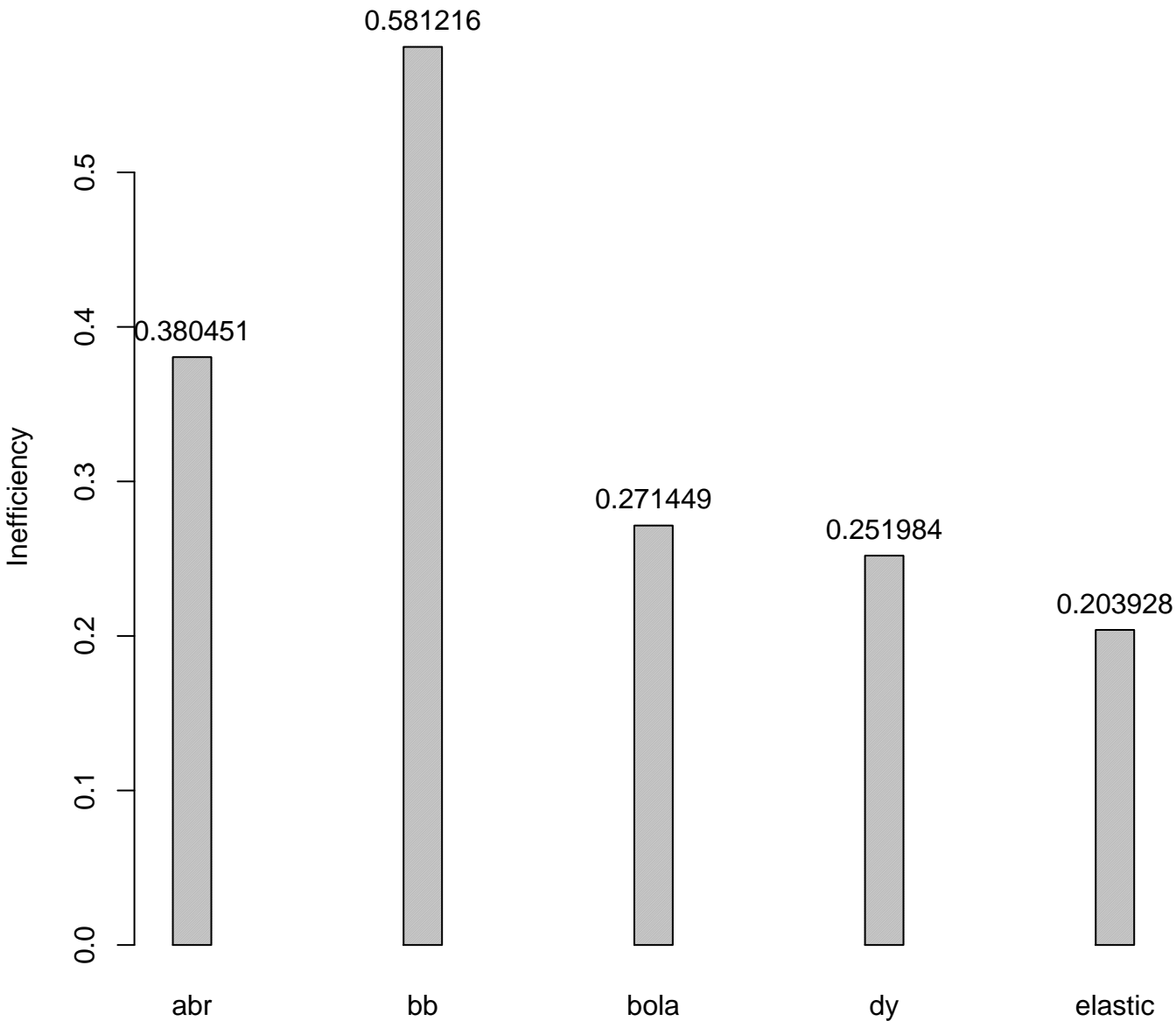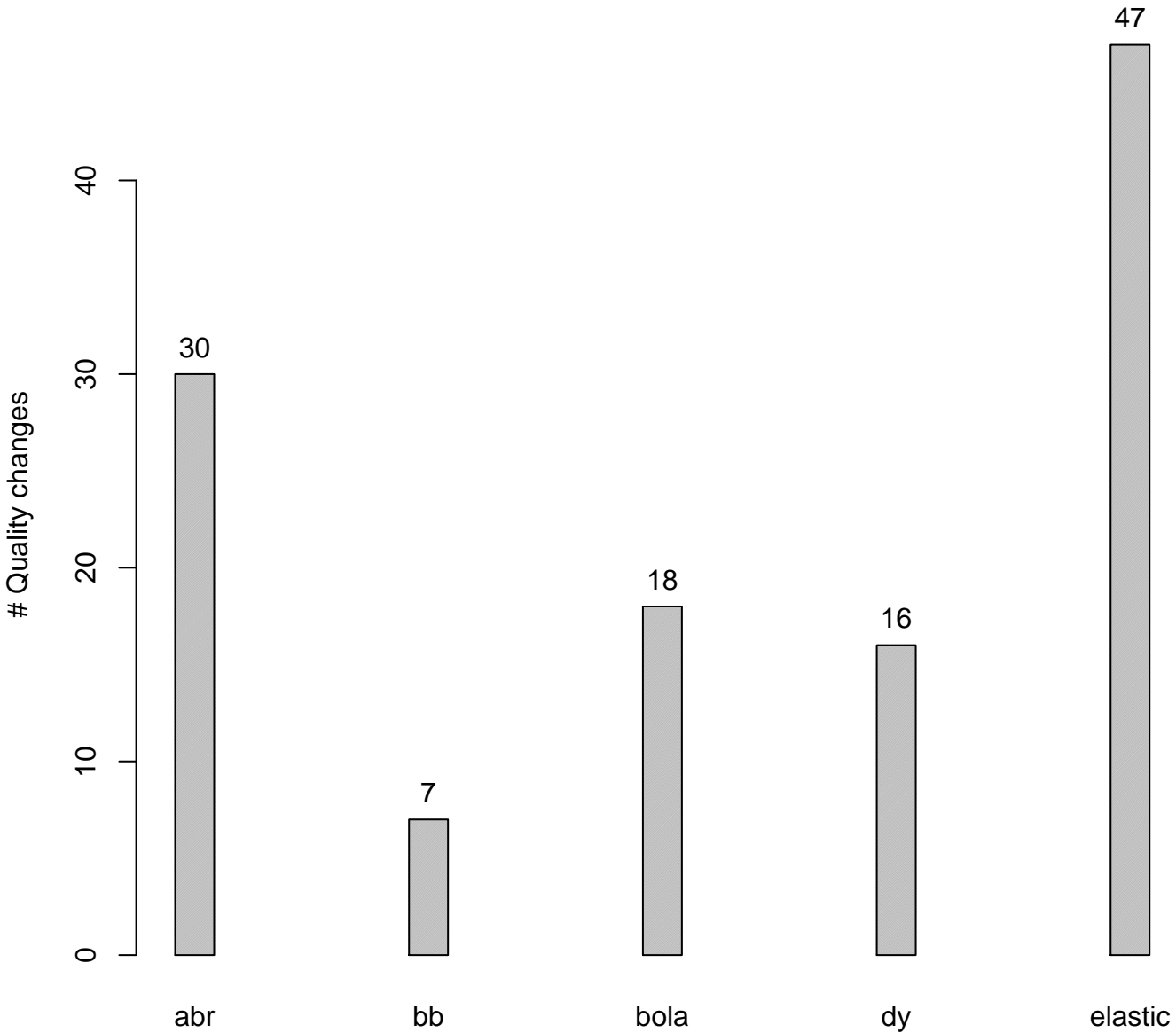**Buffer: 240 max: dy**

Network profile: p1 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic

**Network profile: p1 Sample: t7 Metric: # quality change
Buffer: 240 min: bb**

Quality changes

30	abr
7	bb
18	bola
16	dy
47	elastic

Network profile: p2 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: elastic

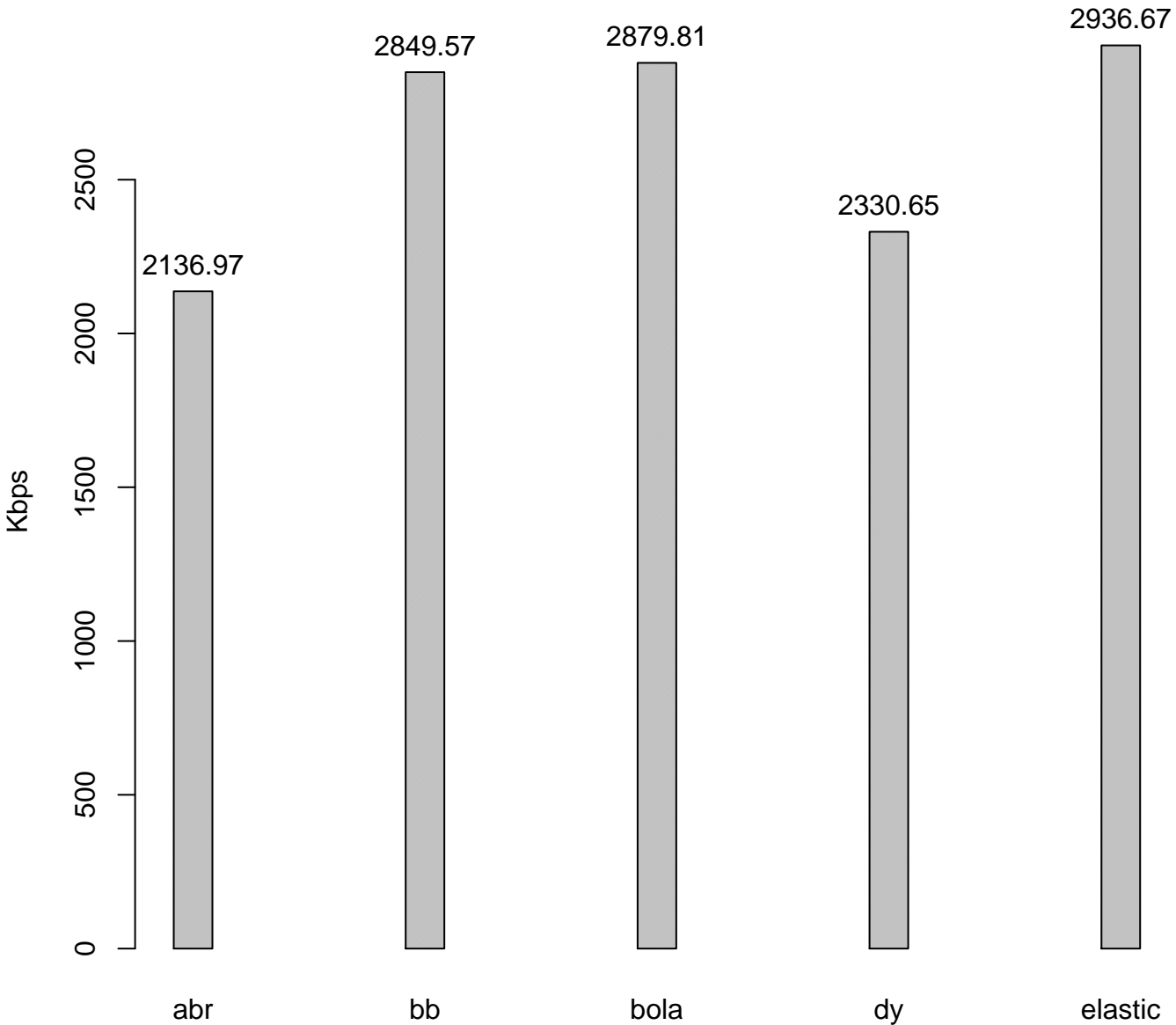**Network profile: p2 Sample: t1 Metric: Inefficiency**
Buffer: 240 min: elastic

Network profile: p2 Sample: t1 Metric: # quality change
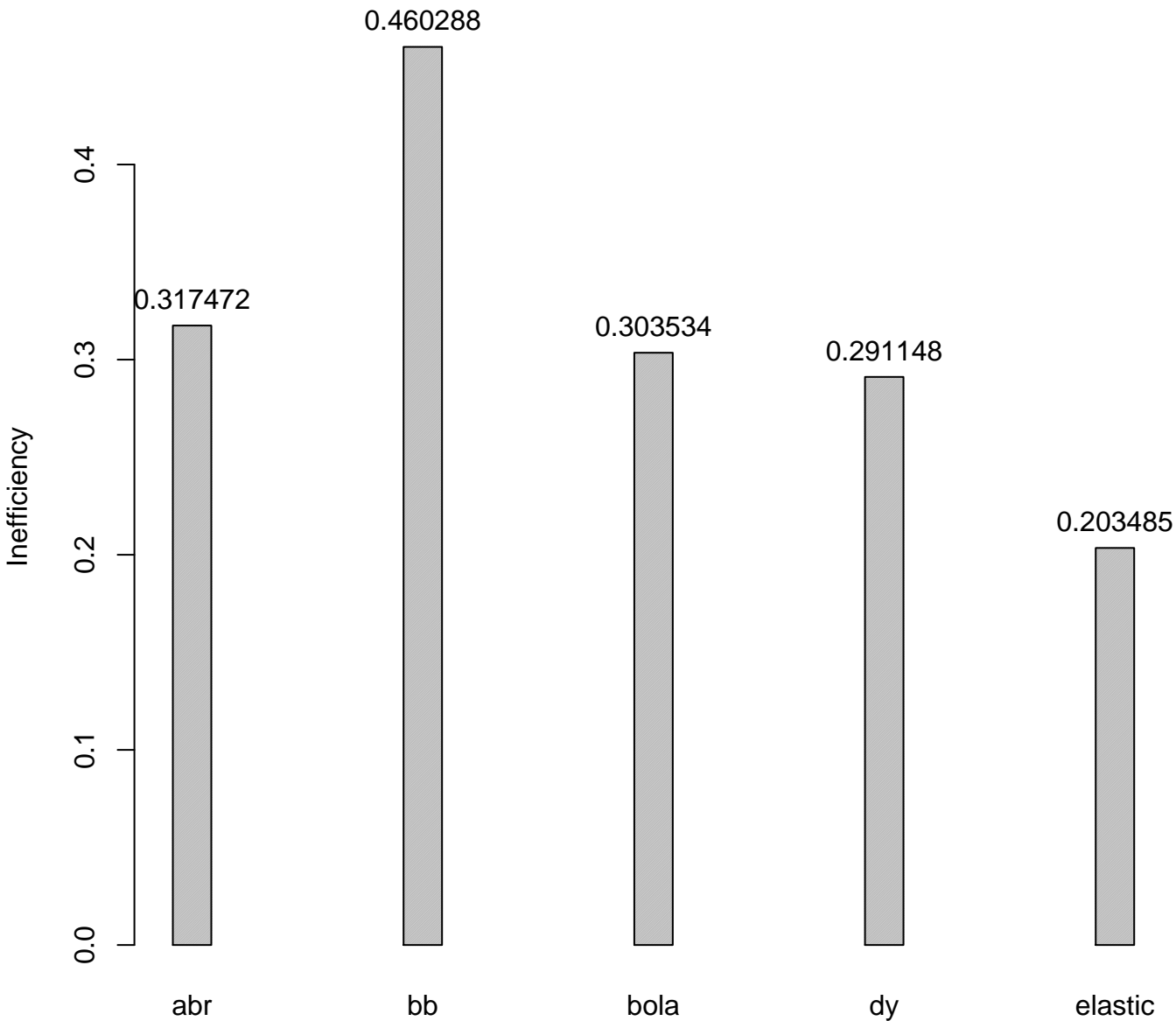**Buffer: 240 min: bb**

Network profile: p2 Sample: t2 Metric: Avg−Bitrate
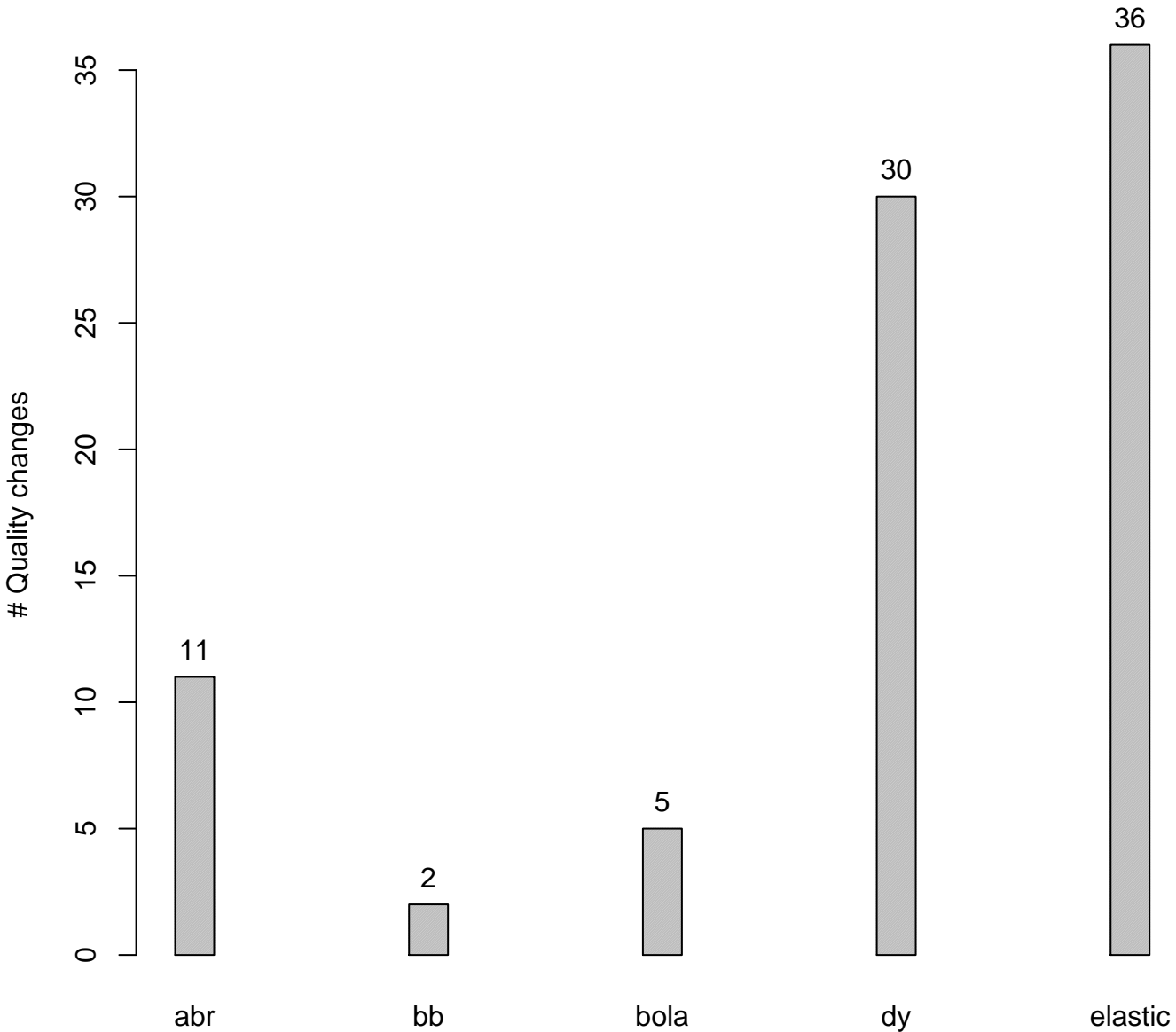**Buffer: 240   max: elastic**

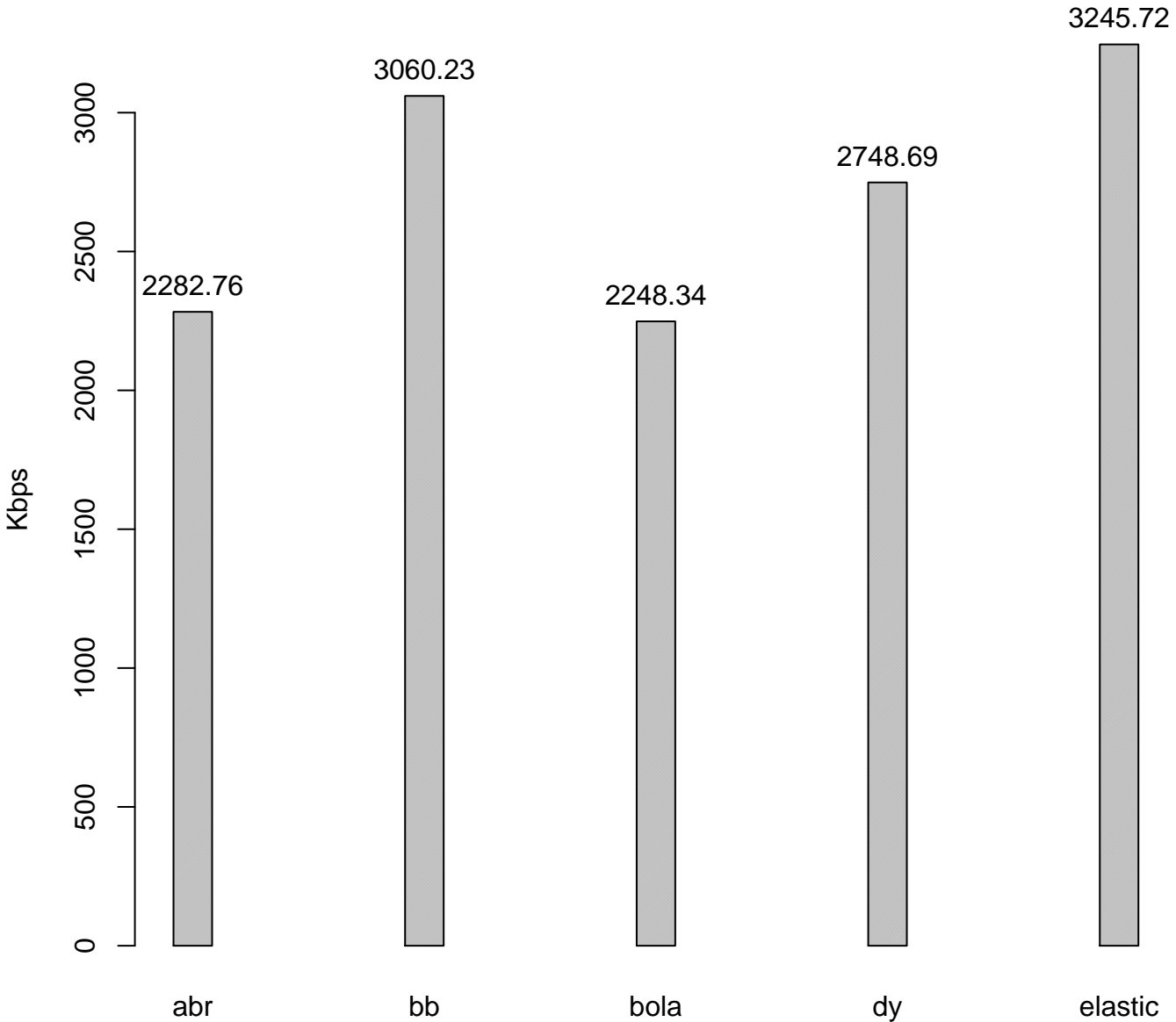**Network profile: p2 Sample: t2 Metric: Inefficiency**
Buffer: 240 min: elastic

Network profile: p2 Sample: t2 Metric: # quality change
Buffer: 240   min: bola

Network profile: p2 Sample: t3 Metric: Avg−Bitrate
Buffer: 240   max: bb

Network profile: p2 Sample: t3 Metric: Inefficiency
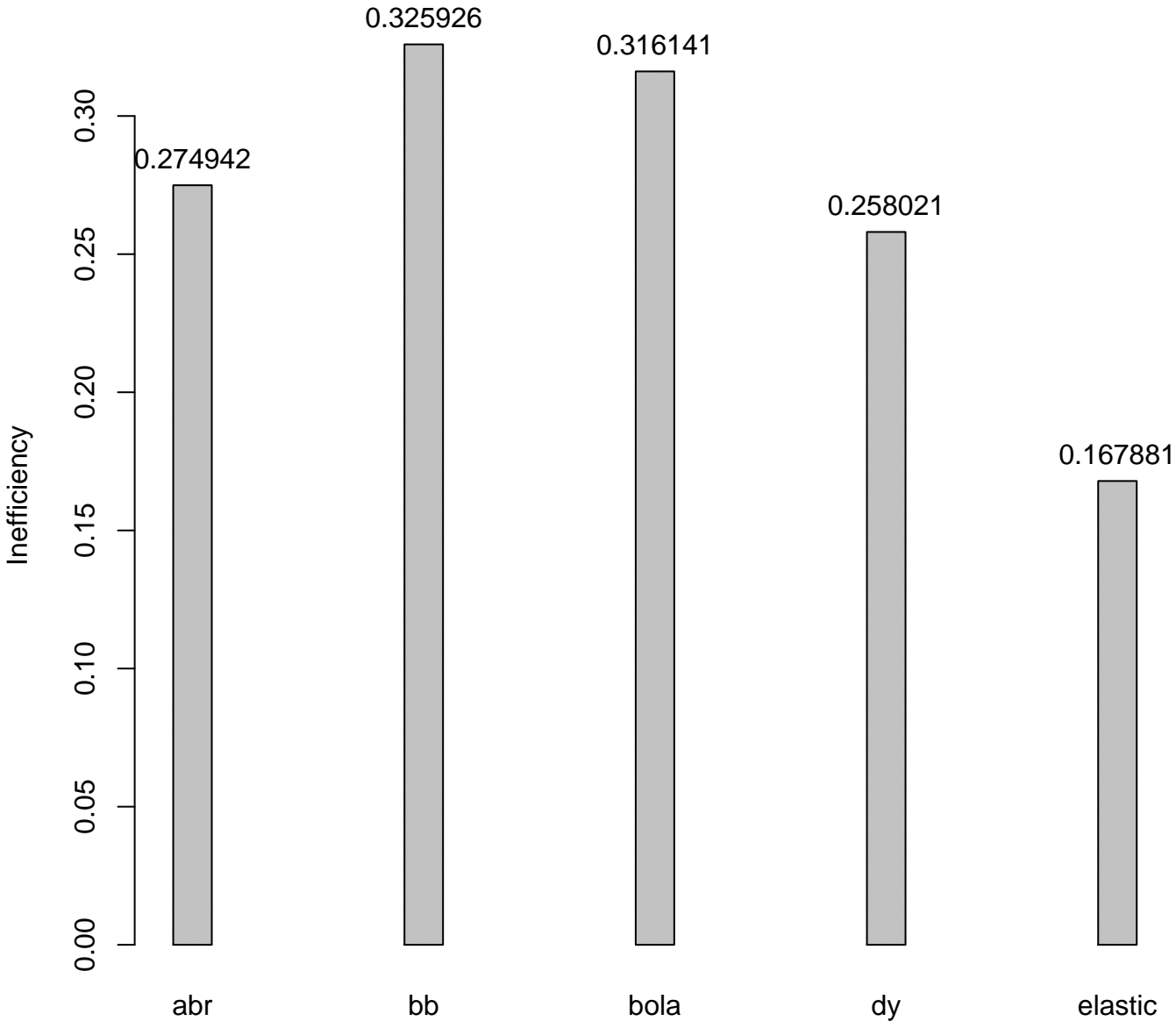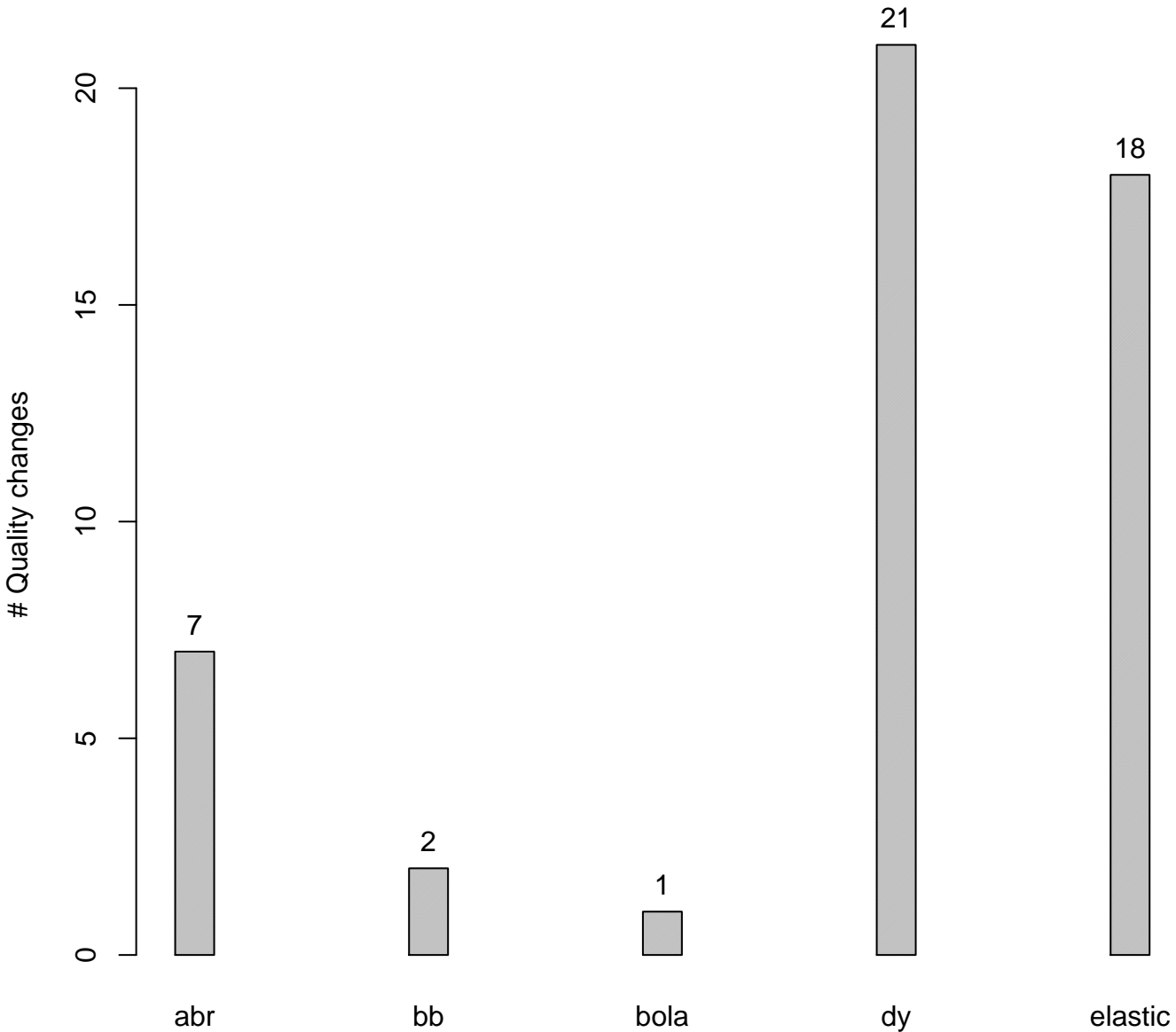**Buffer: 240 min: elastic**

Inefficiency

abr — 0.363256
bb — 0.406397
bola — 0.472123
dy — 0.30183
elastic — 0.212998

**Network profile: p2 Sample: t3 Metric: # quality change
Buffer: 240 min: bola**

Quality changes

40

30

20

10

0

13

4

0

31

40

abr   bb   bola   dy   elastic

Network profile: p2 Sample: t4 Metric: Avg−Bitrate
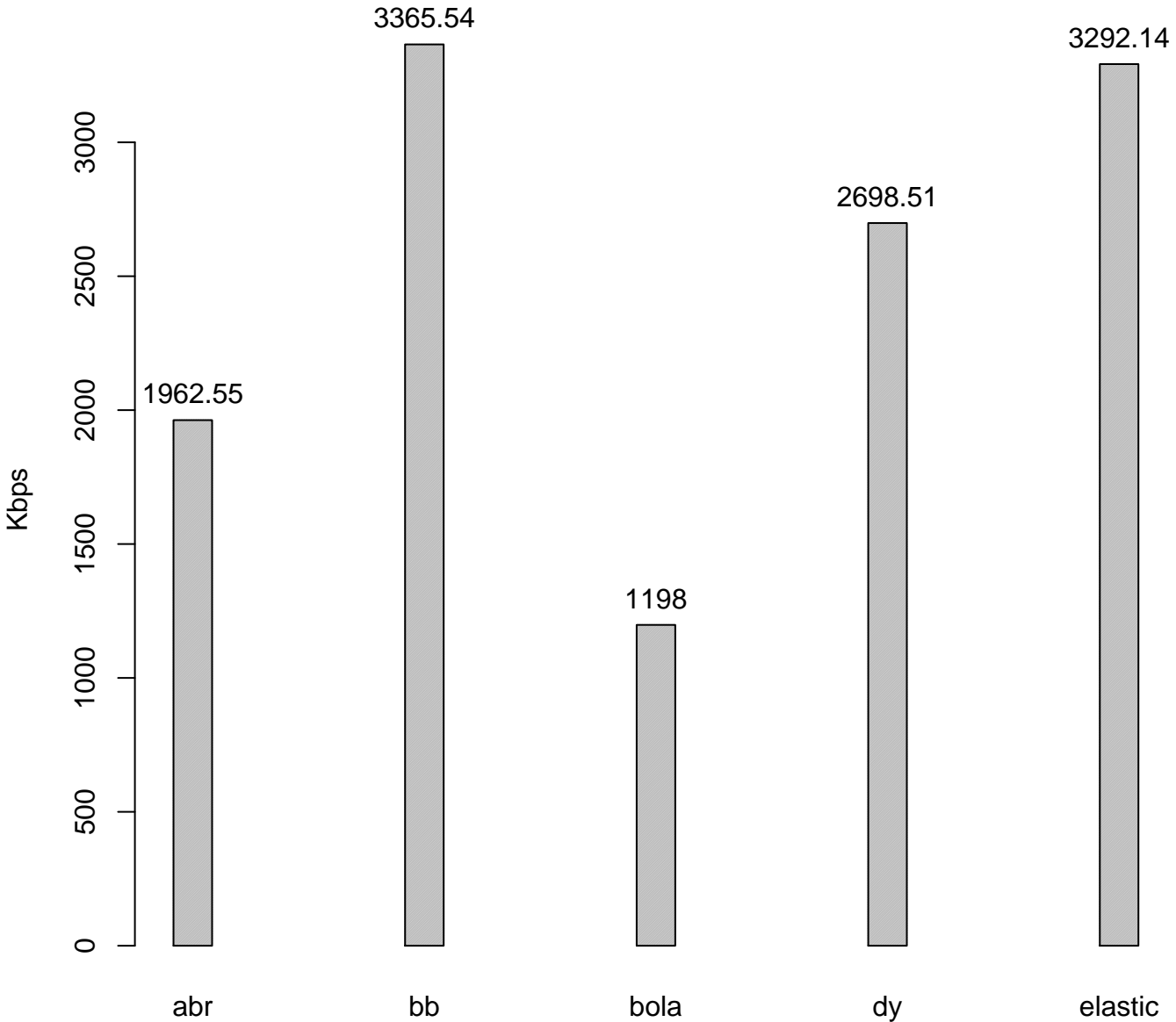**Buffer: 240   max: bb**

Network profile: p2 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic

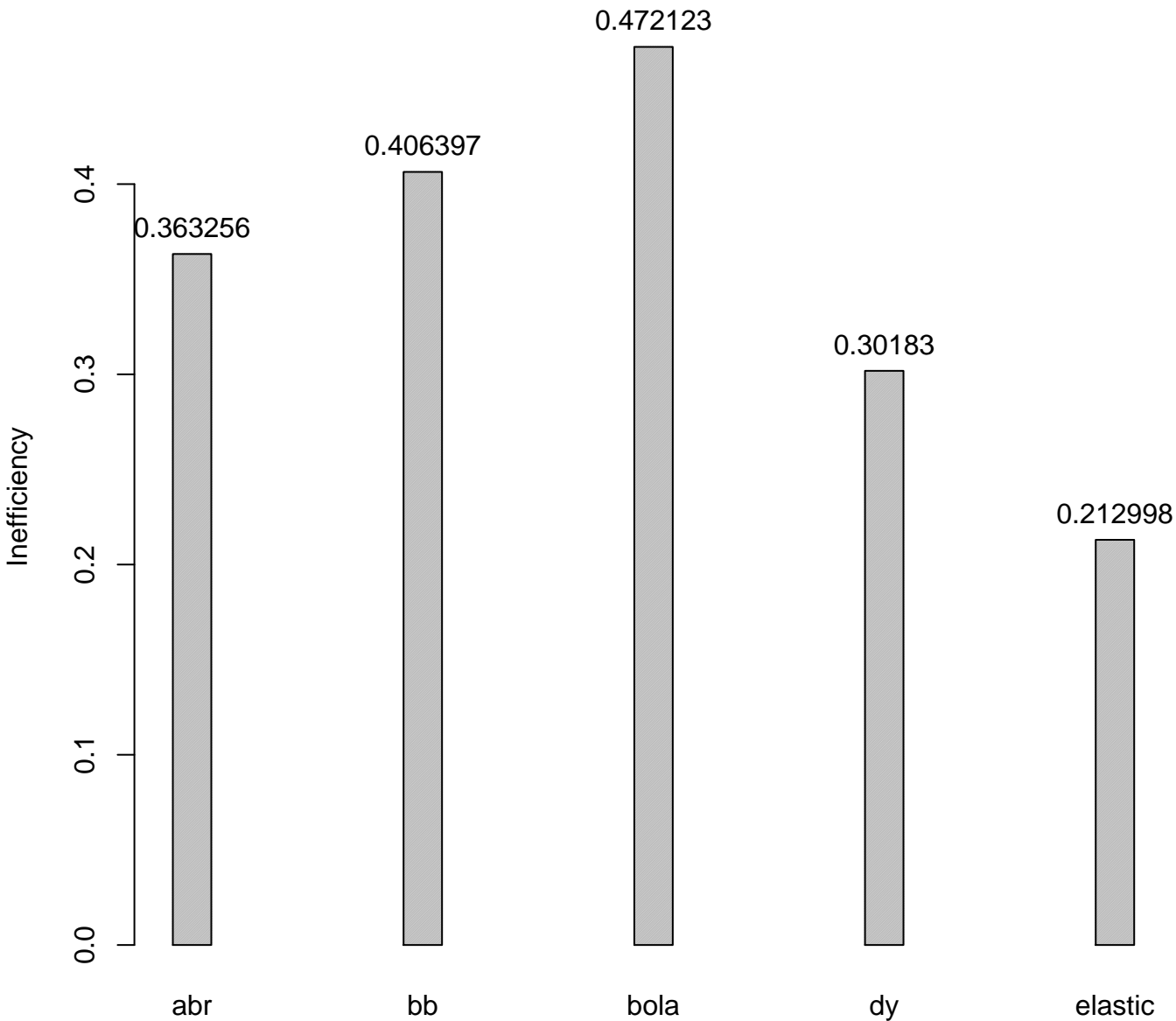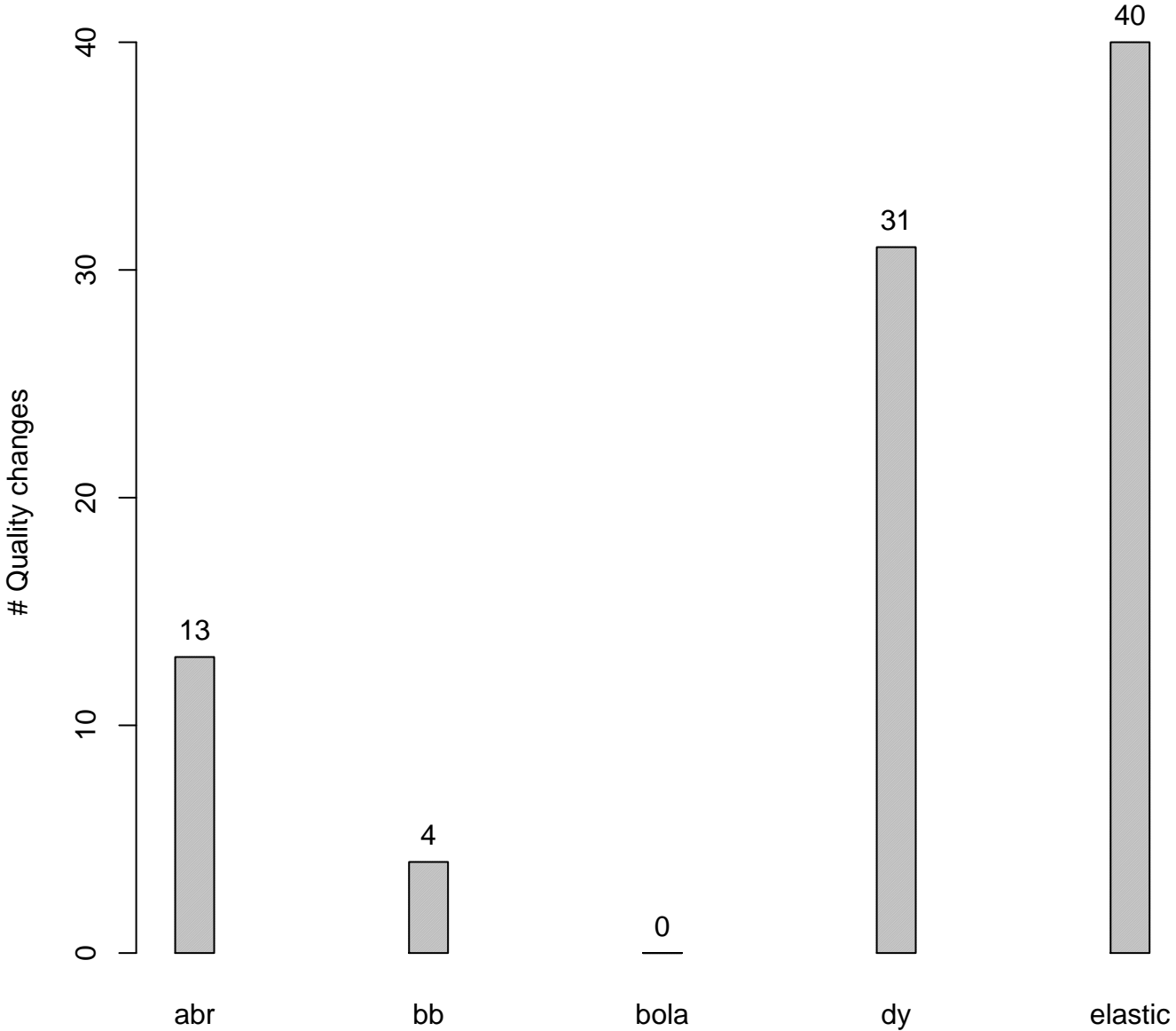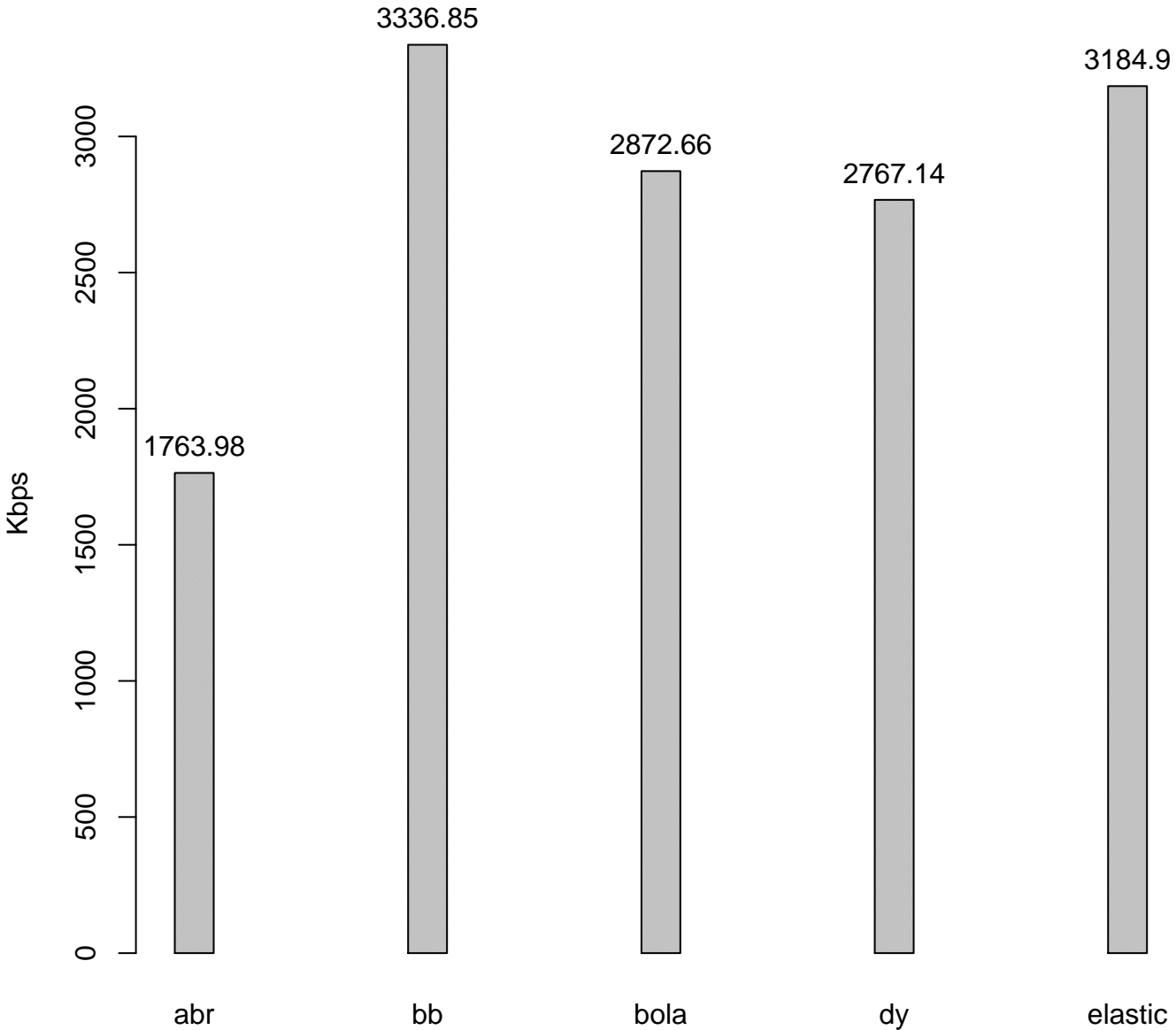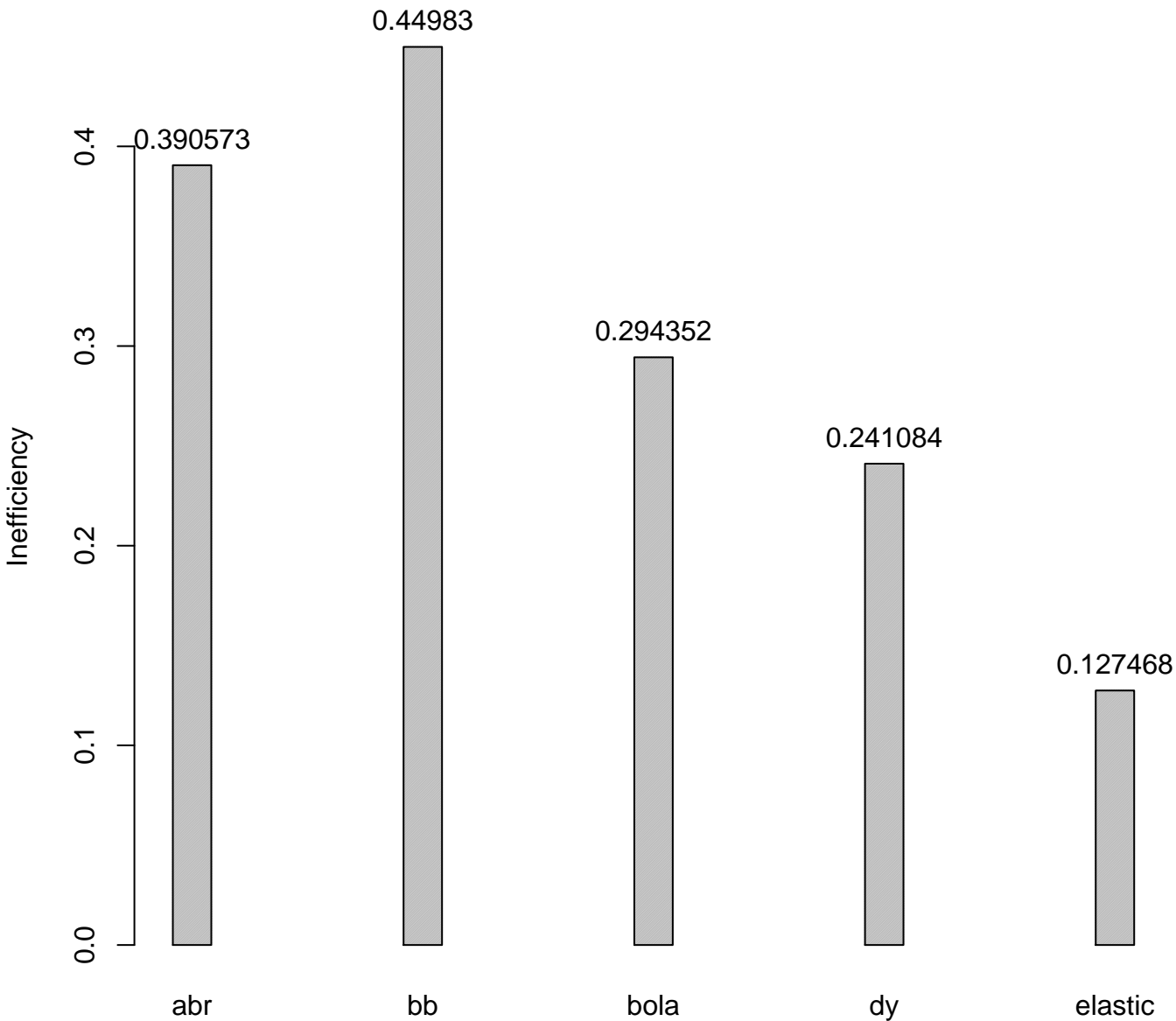**Network profile: p2 Sample: t4 Metric: # quality change**
Buffer: 240 min: bb

Network profile: p2 Sample: t5 Metric: Avg−Bitrate
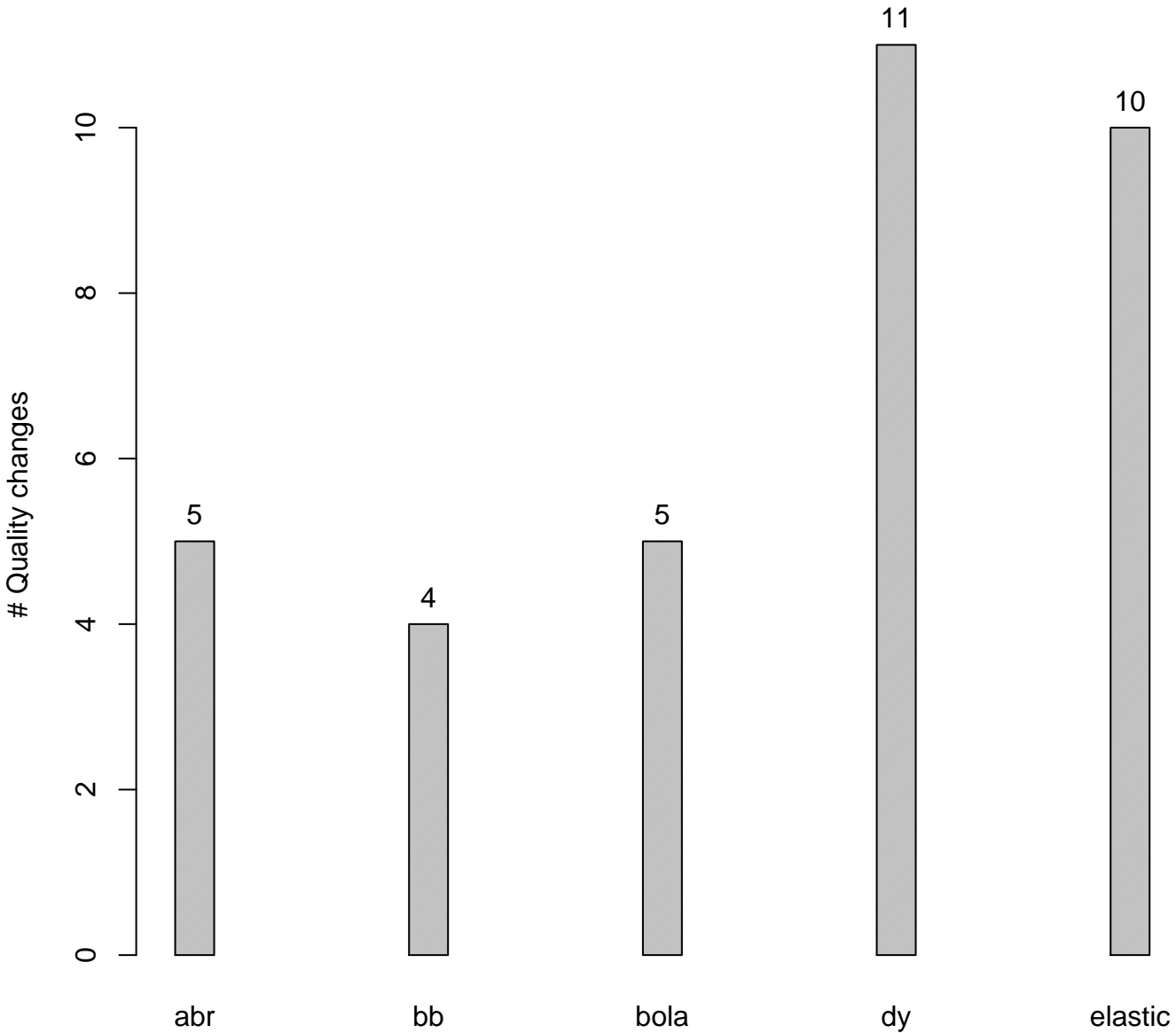**Buffer: 240   max: dy**

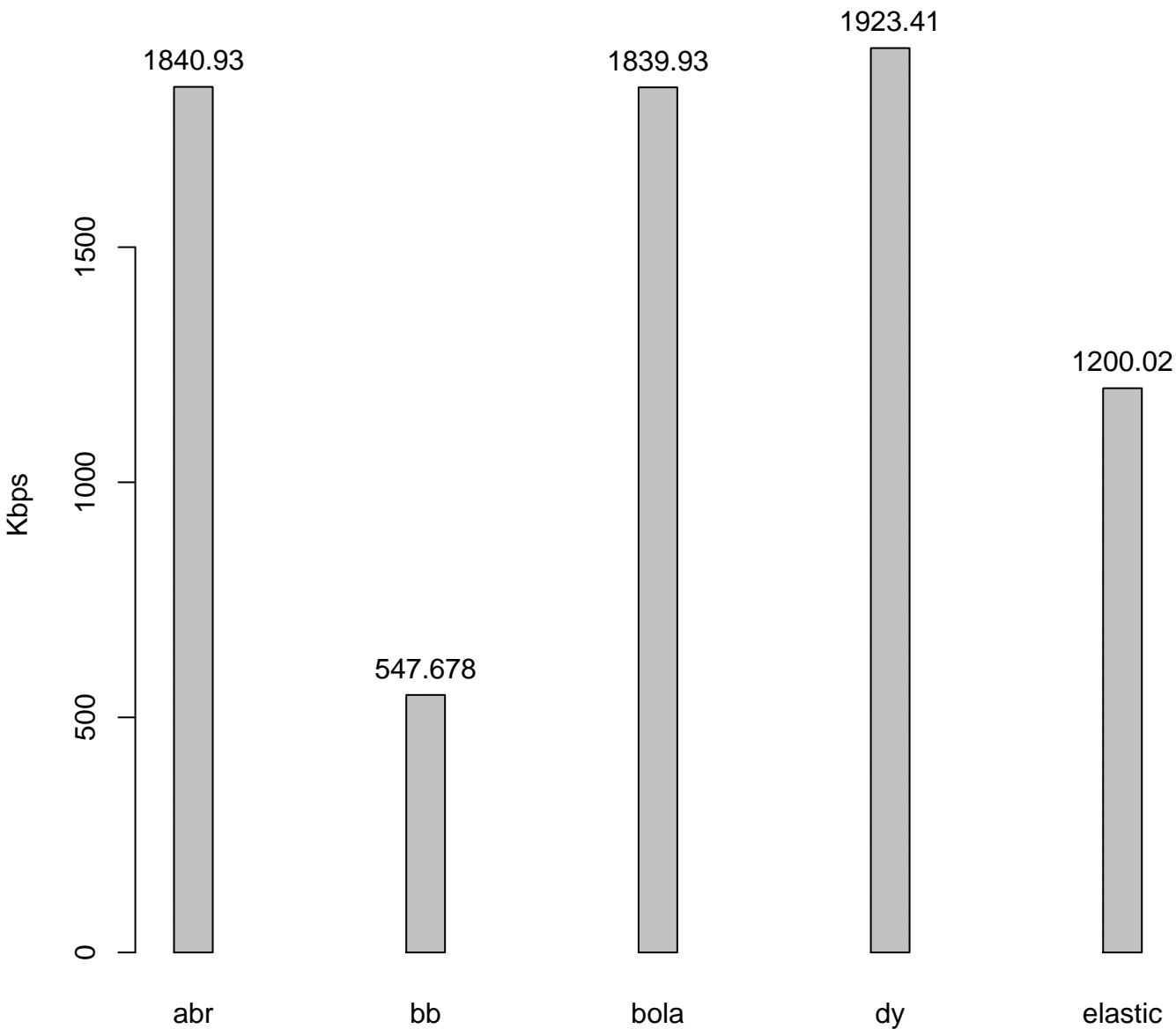**Network profile: p2 Sample: t5 Metric: Inefficiency**
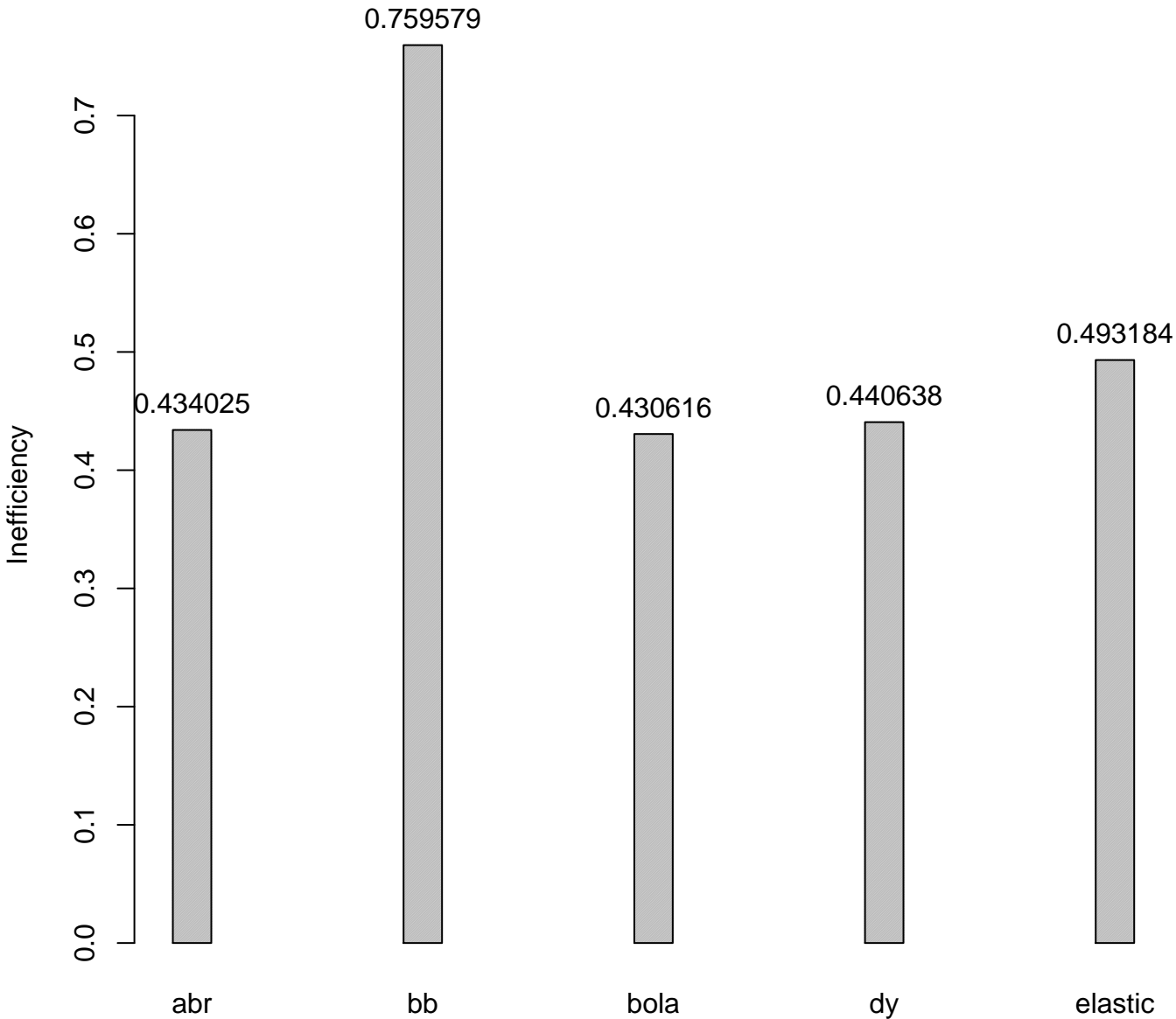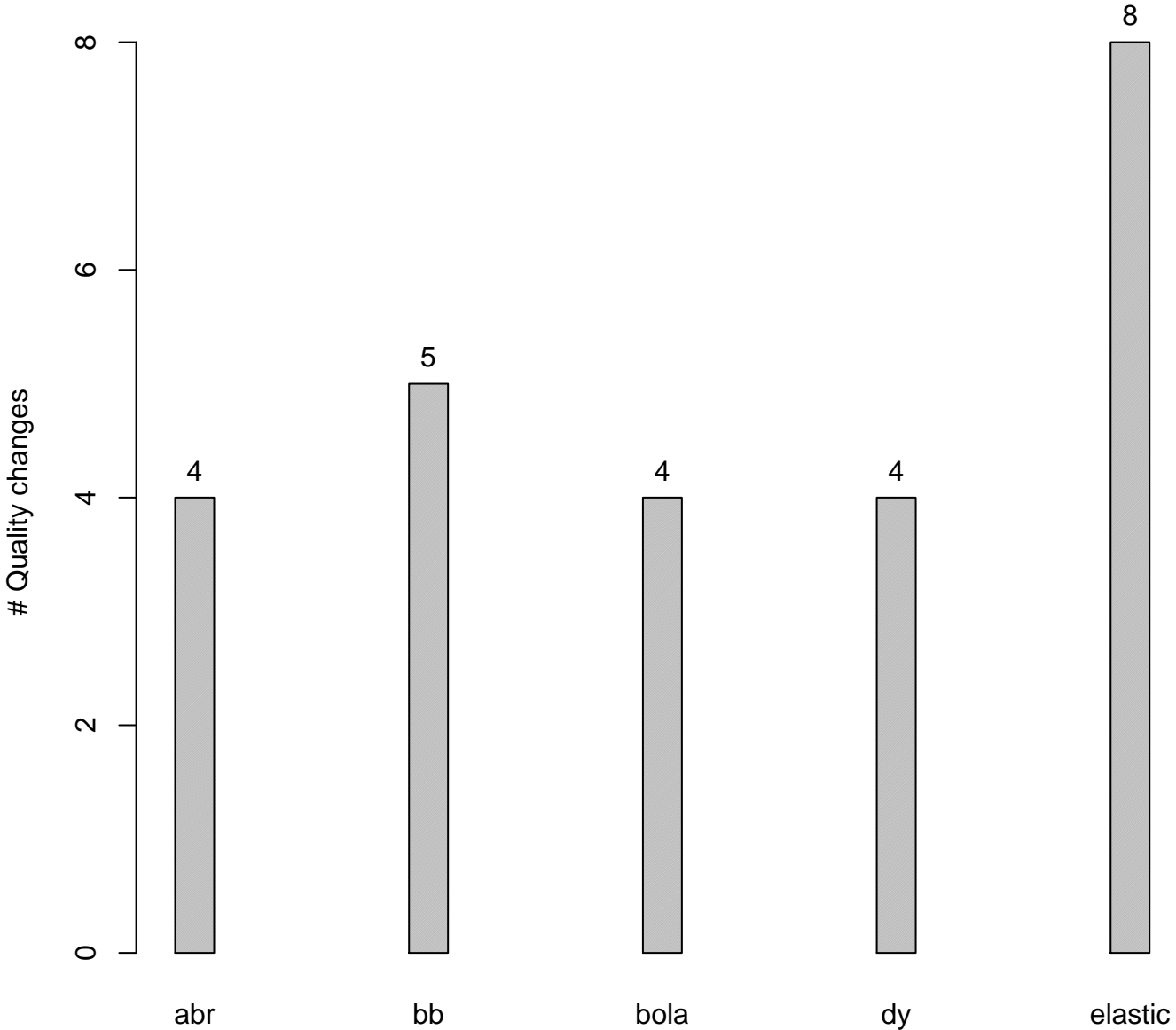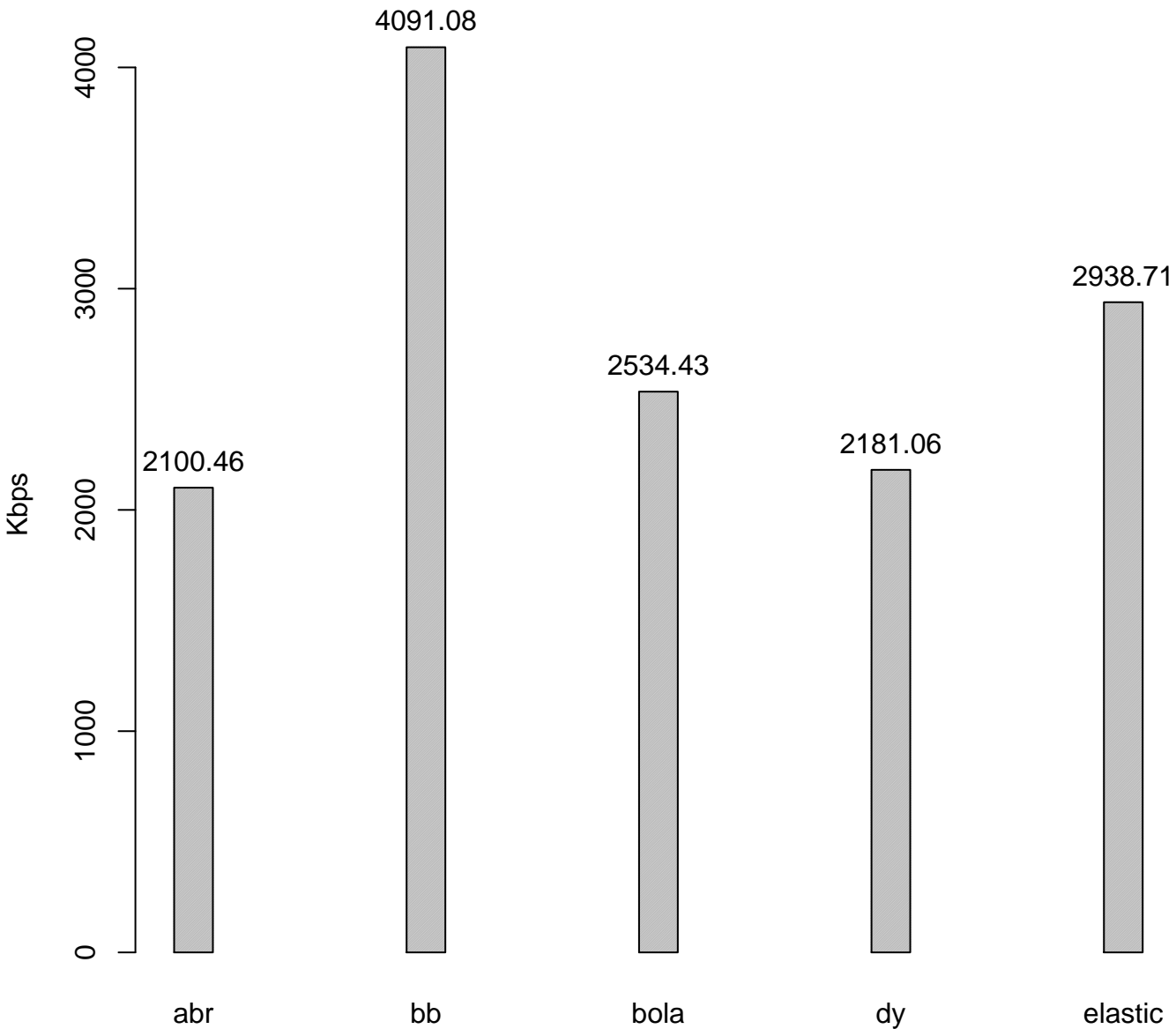**Buffer: 240 min: bola**

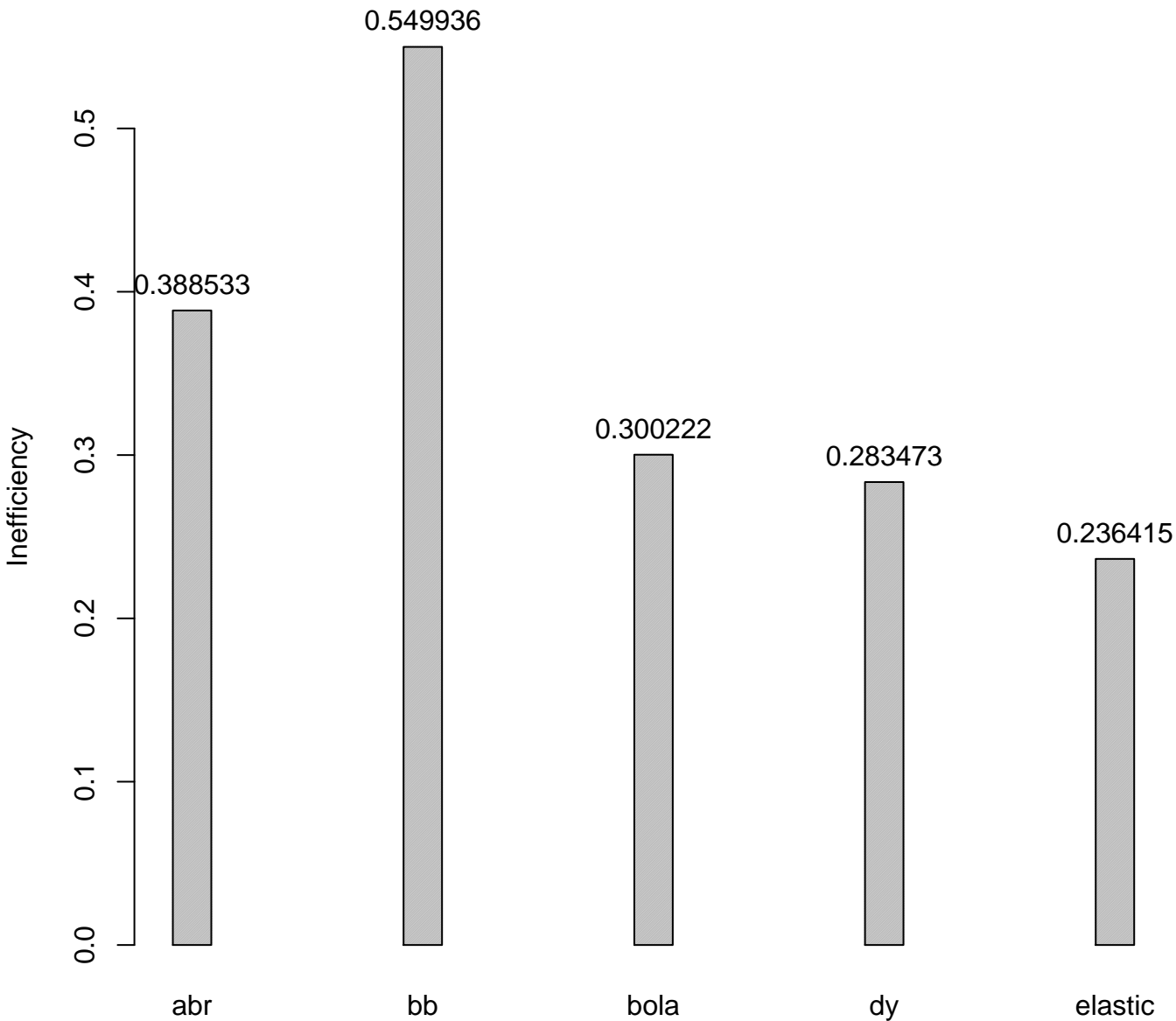**Network profile: p2 Sample: t5 Metric: # quality change**
Buffer: 240 min: abr

Network profile: p2 Sample: t6 Metric: Avg−Bitrate
Buffer: 240   max: bb

Kbps

2100.46

4091.08

2534.43

2181.06

2938.71

abr   bb   bola   dy   elastic

Network profile: p2 Sample: t6 Metric: Inefficiency
Buffer: 240 min: elastic

Network profile: p2 Sample: t6 Metric: # quality change
Buffer: 240 min: bola

Network profile: p2 Sample: t7 Metric: Avg−Bitrate
Buffer: 240   max: bb

Kbps

2303.46
2804.4
2585.79
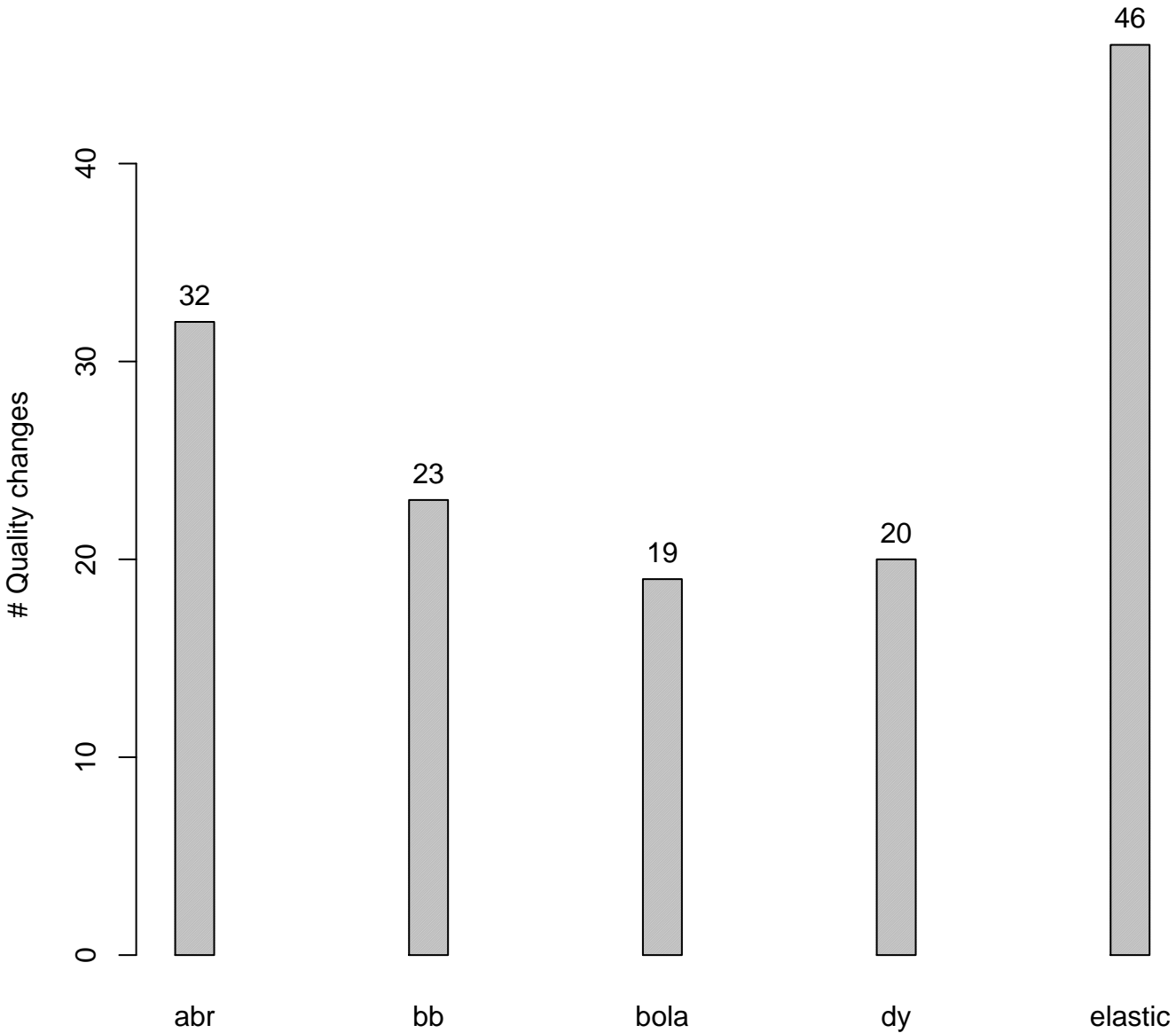2293.66
2605.61

abr   bb   bola   dy   elastic

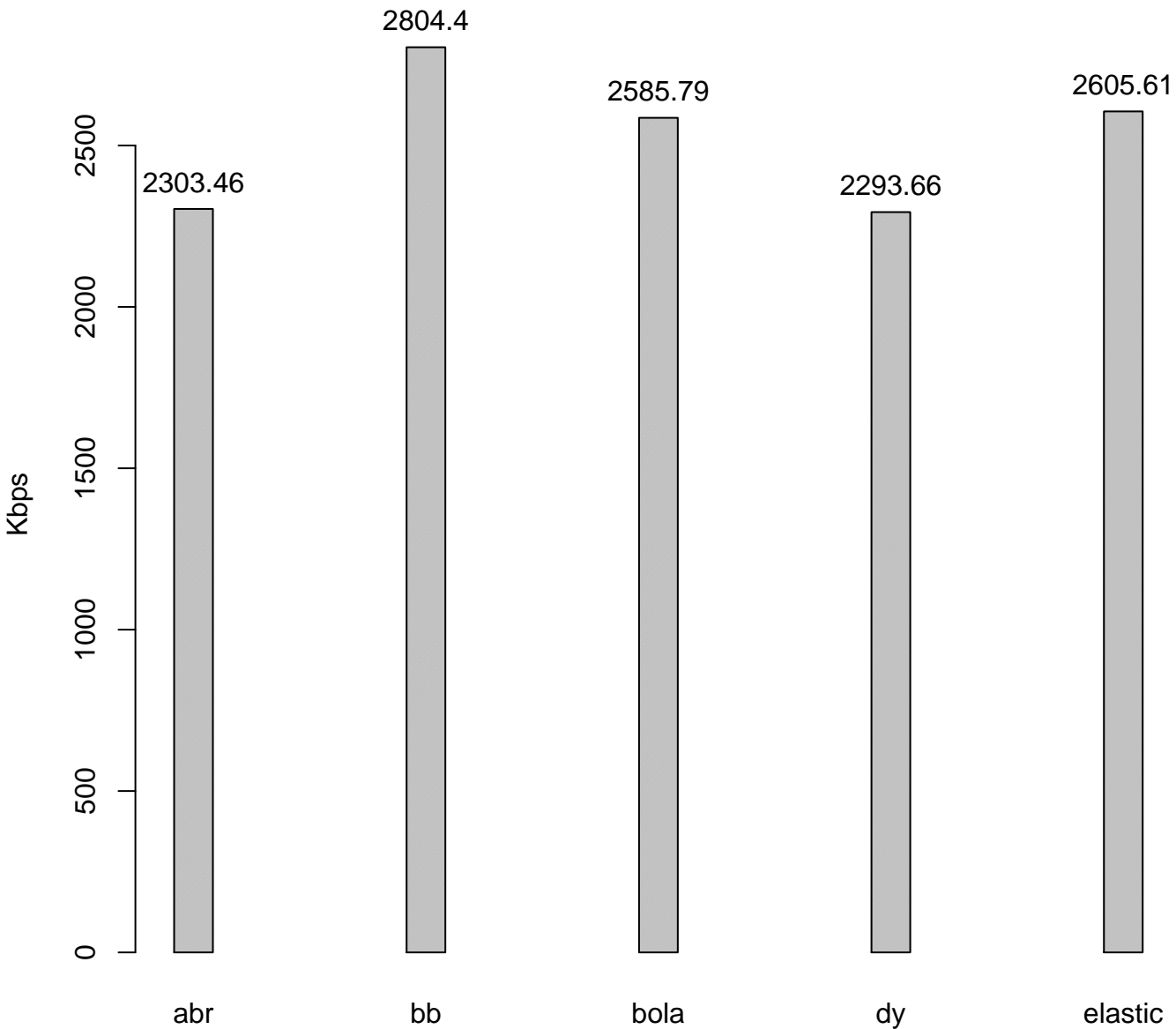**Network profile: p2 Sample: t7 Metric: Inefficiency**
Buffer: 240 min: elastic

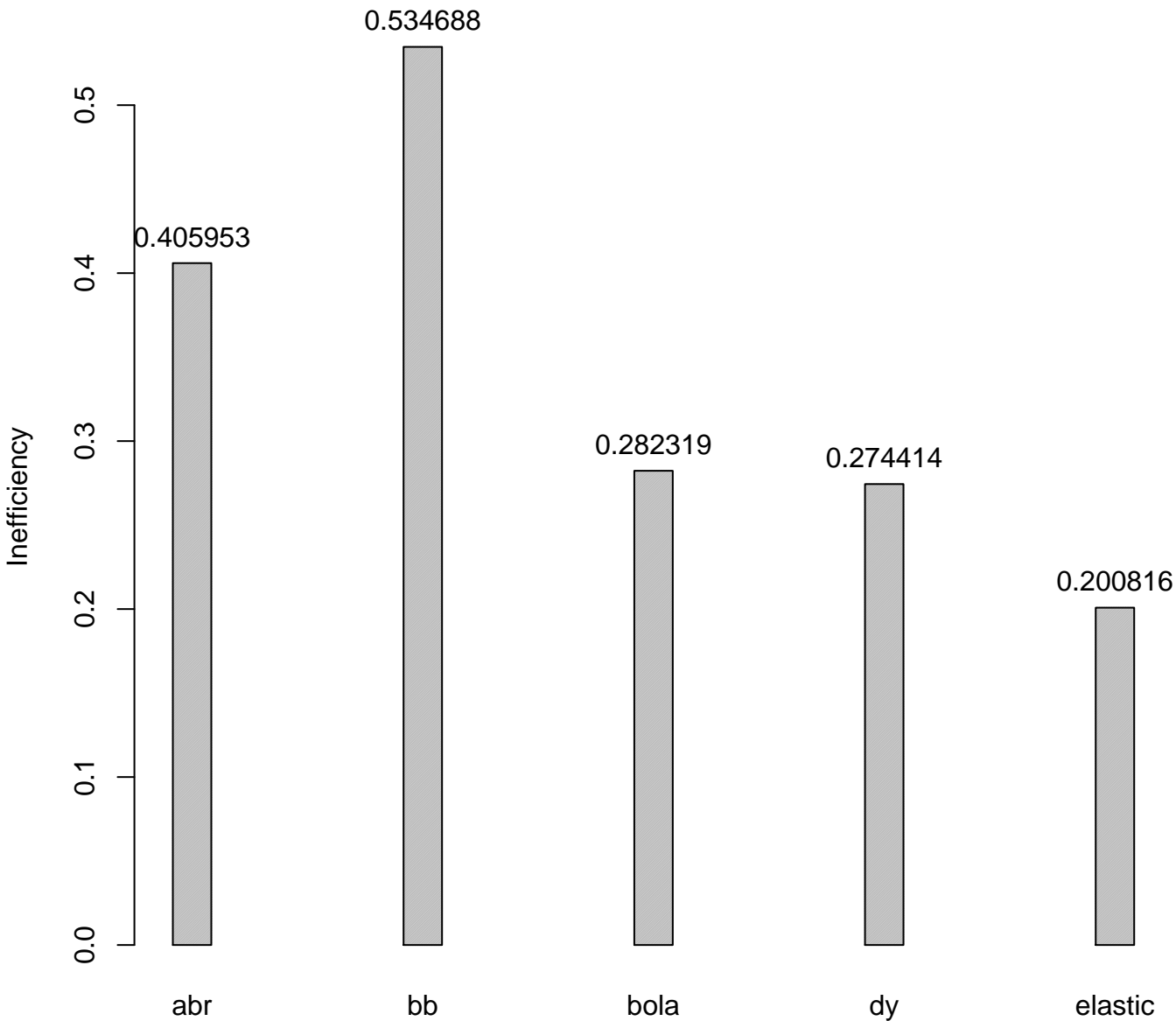**Network profile: p2 Sample: t7 Metric: # quality change**
Buffer: 240 min: bb

Network profile: p3 Sample: t1 Metric: Avg−Bitrate
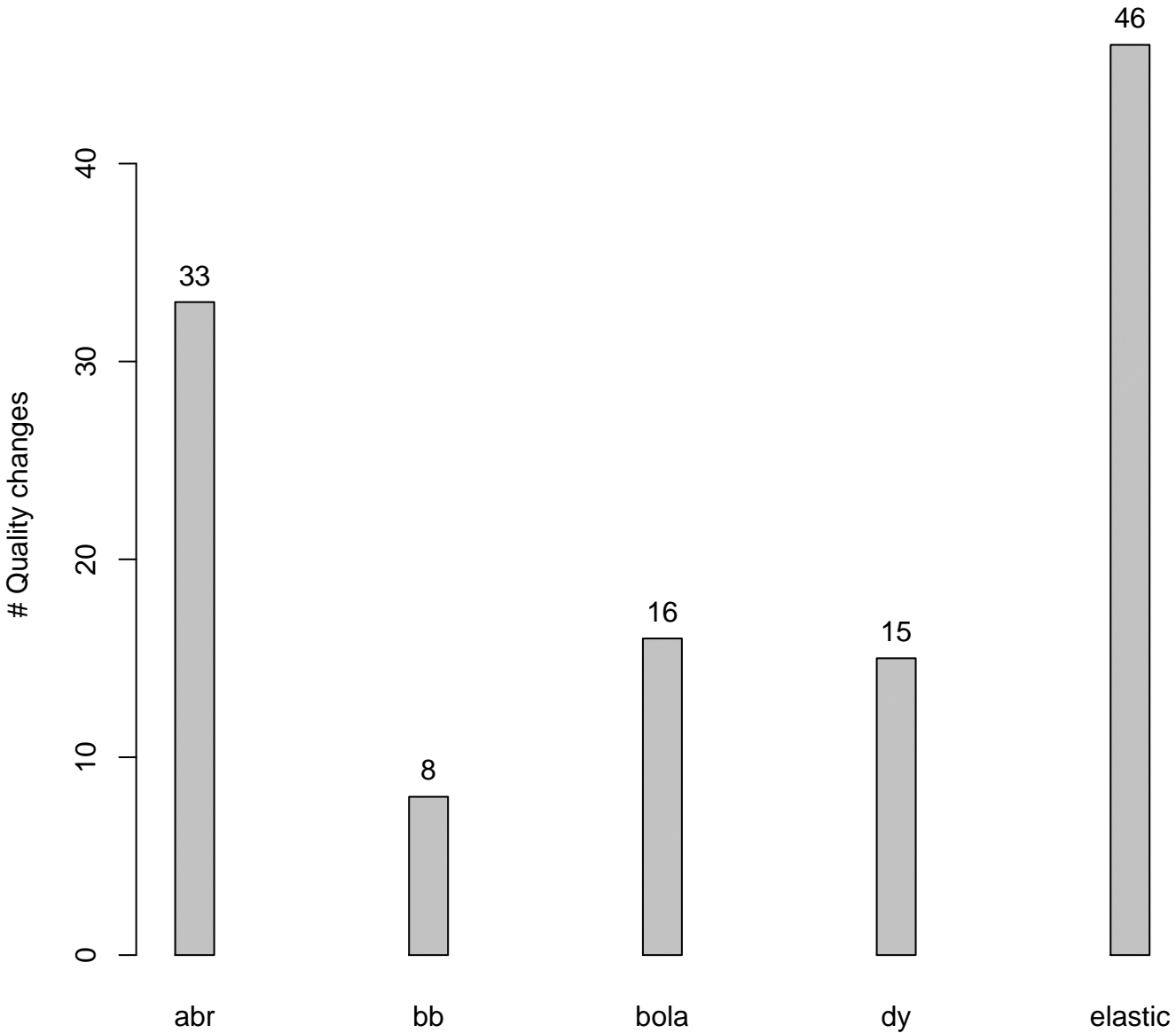**Buffer: 240   max: elastic**

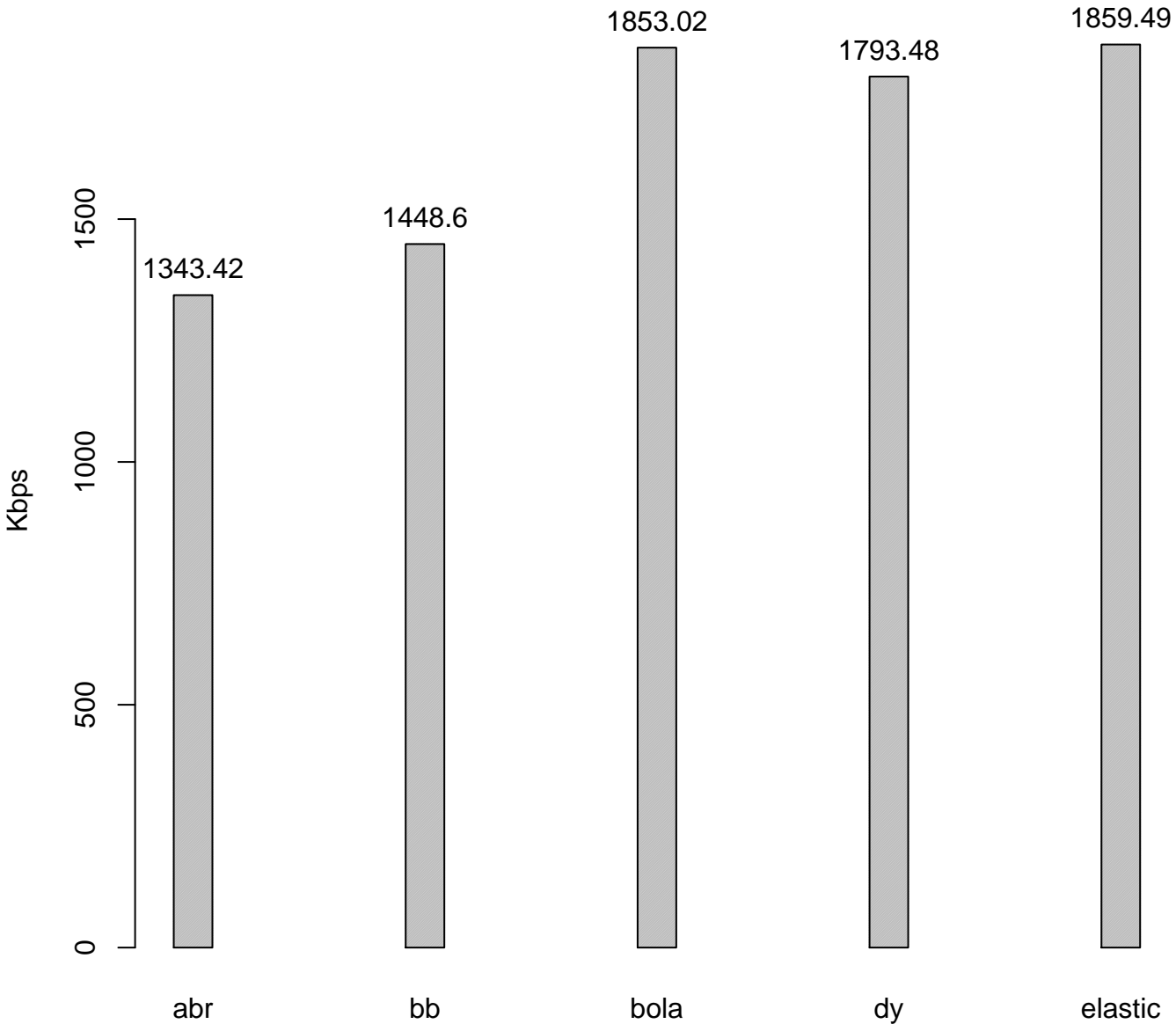**Network profile: p3 Sample: t1 Metric: Inefficiency**
Buffer: 240 min: elastic

Network profile: p3 Sample: t1 Metric: # quality change
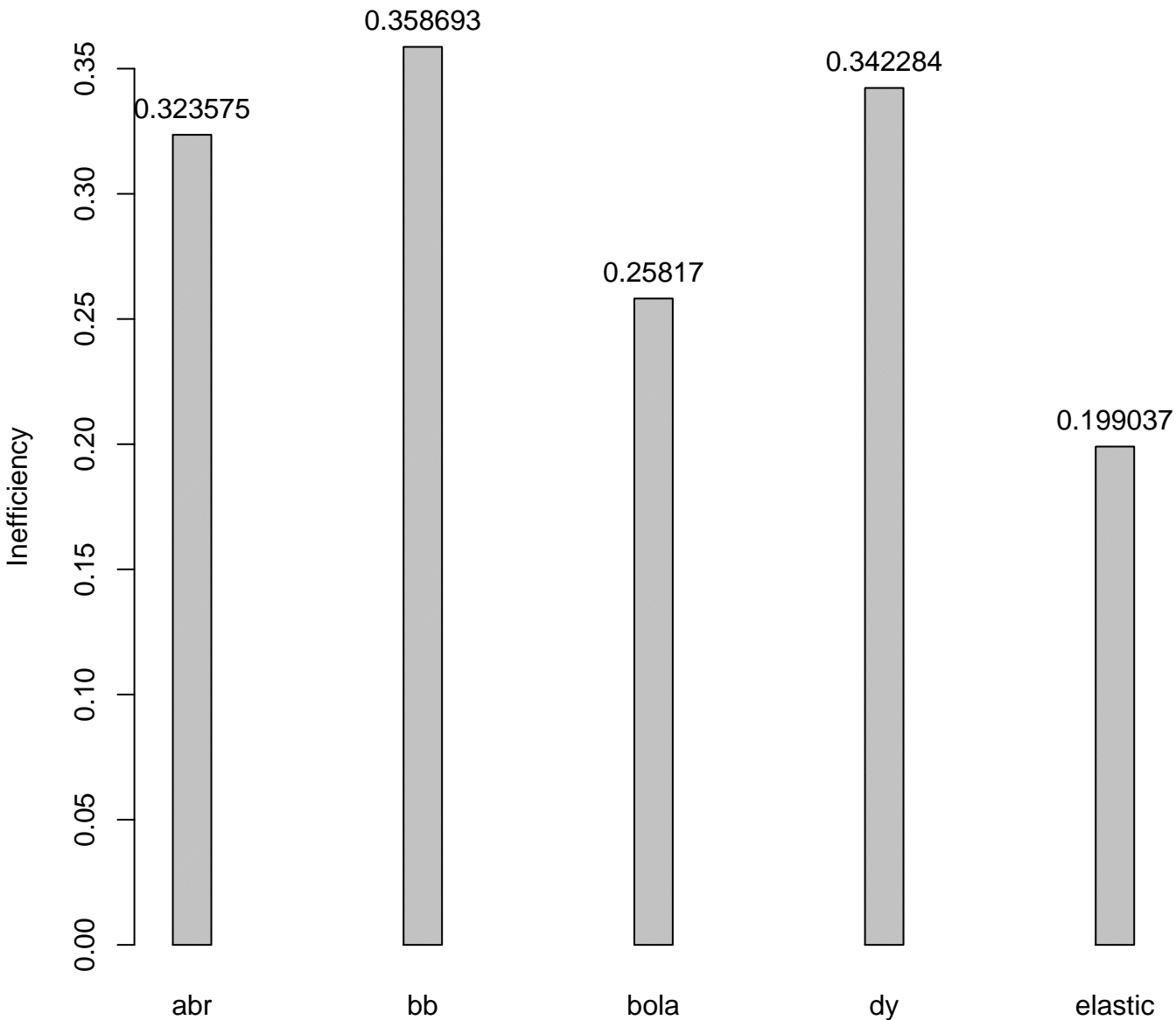**Buffer: 240 min: bb**

Network profile: p3 Sample: t2 Metric: Avg−Bitrate
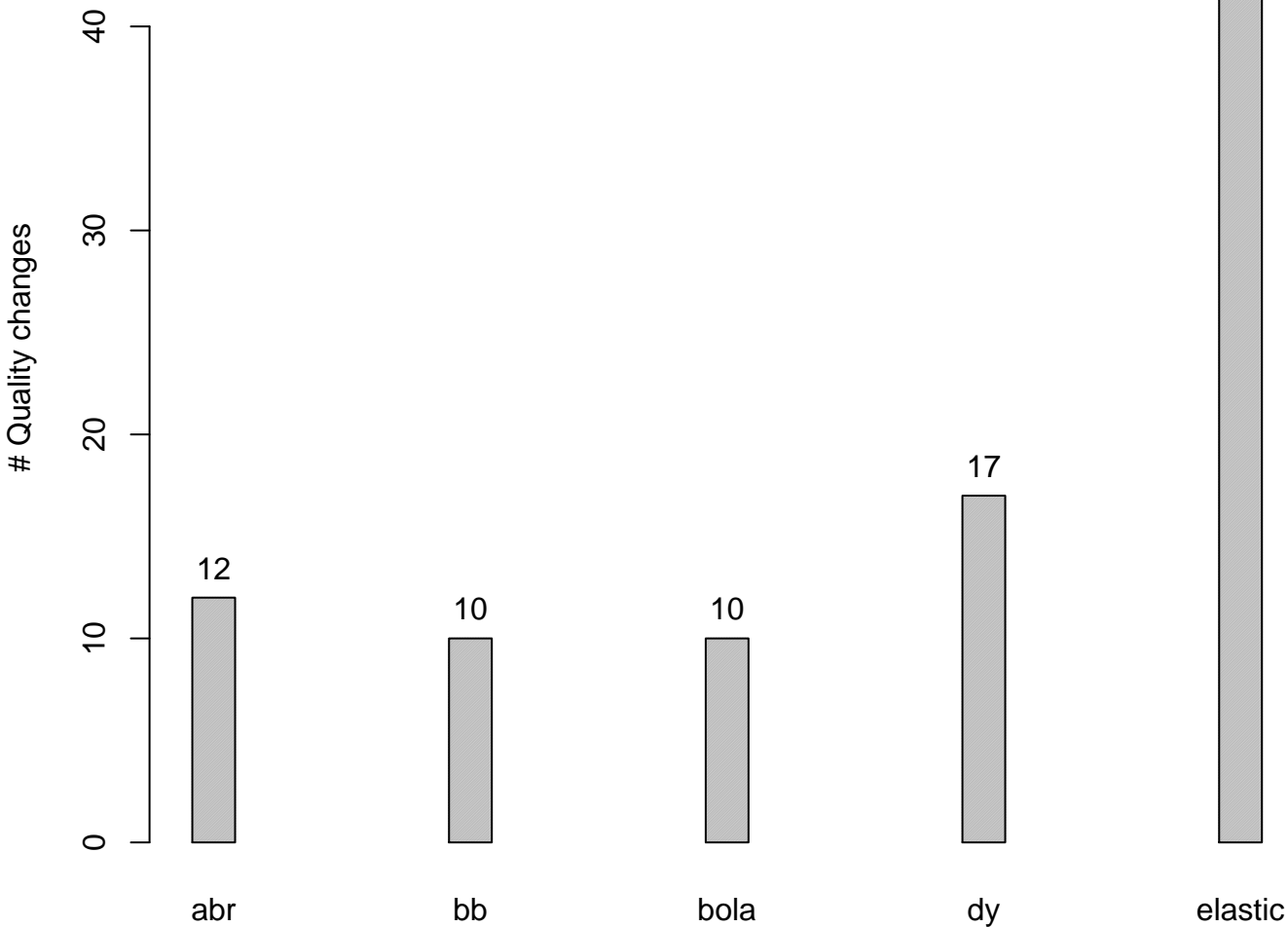**Buffer: 240   max: elastic**

Network profile: p3 Sample: t2 Metric: Inefficiency
Buffer: 240 min: elastic

Network profile: p3 Sample: t2 Metric: # quality change
Buffer: 240 min: bola

Network profile: p3 Sample: t3 Metric: Avg−Bitrate
Buffer: 240   max: elastic

Network profile: p3 Sample: t3 Metric: Inefficiency
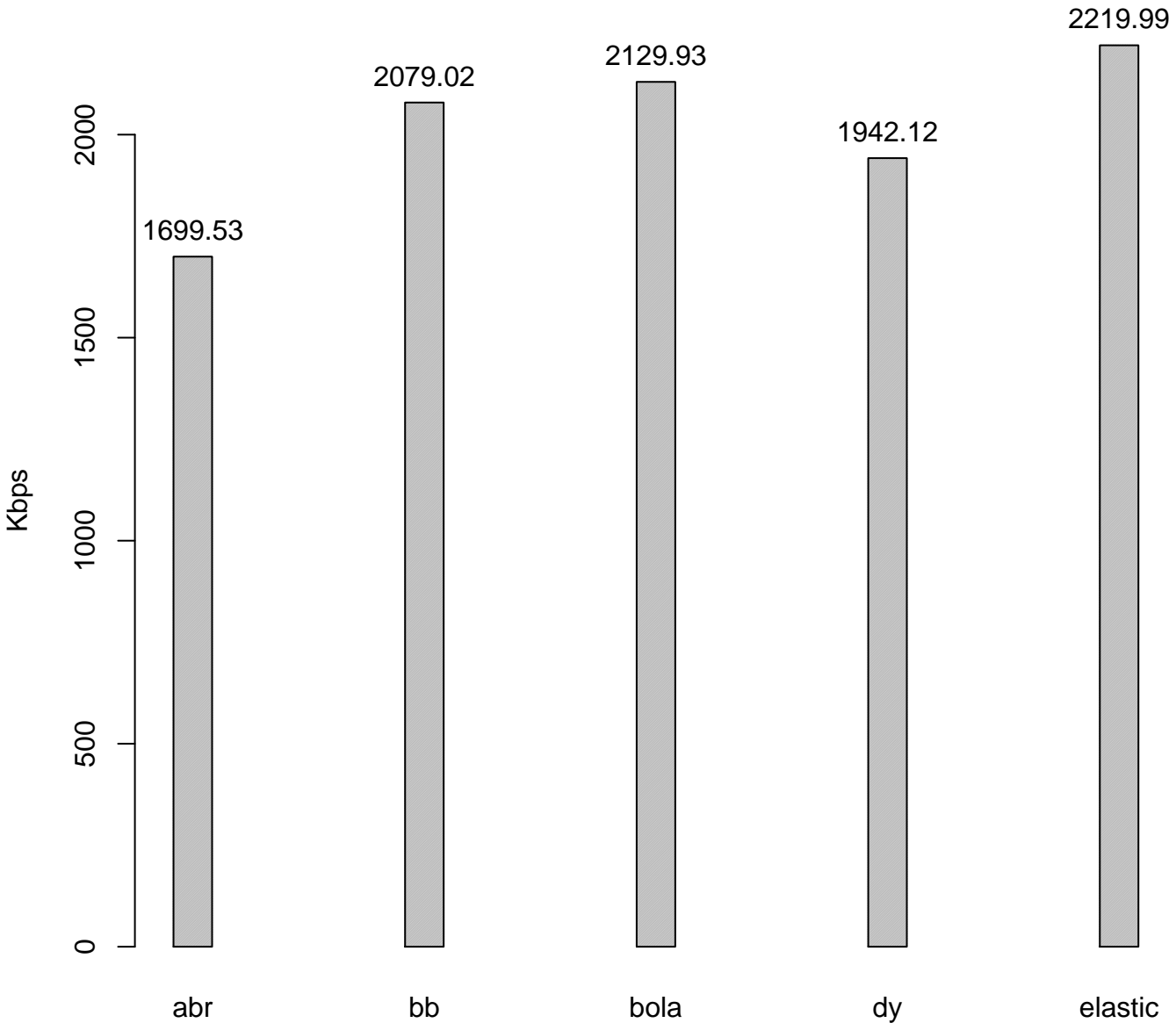**Buffer: 240 min: elastic**

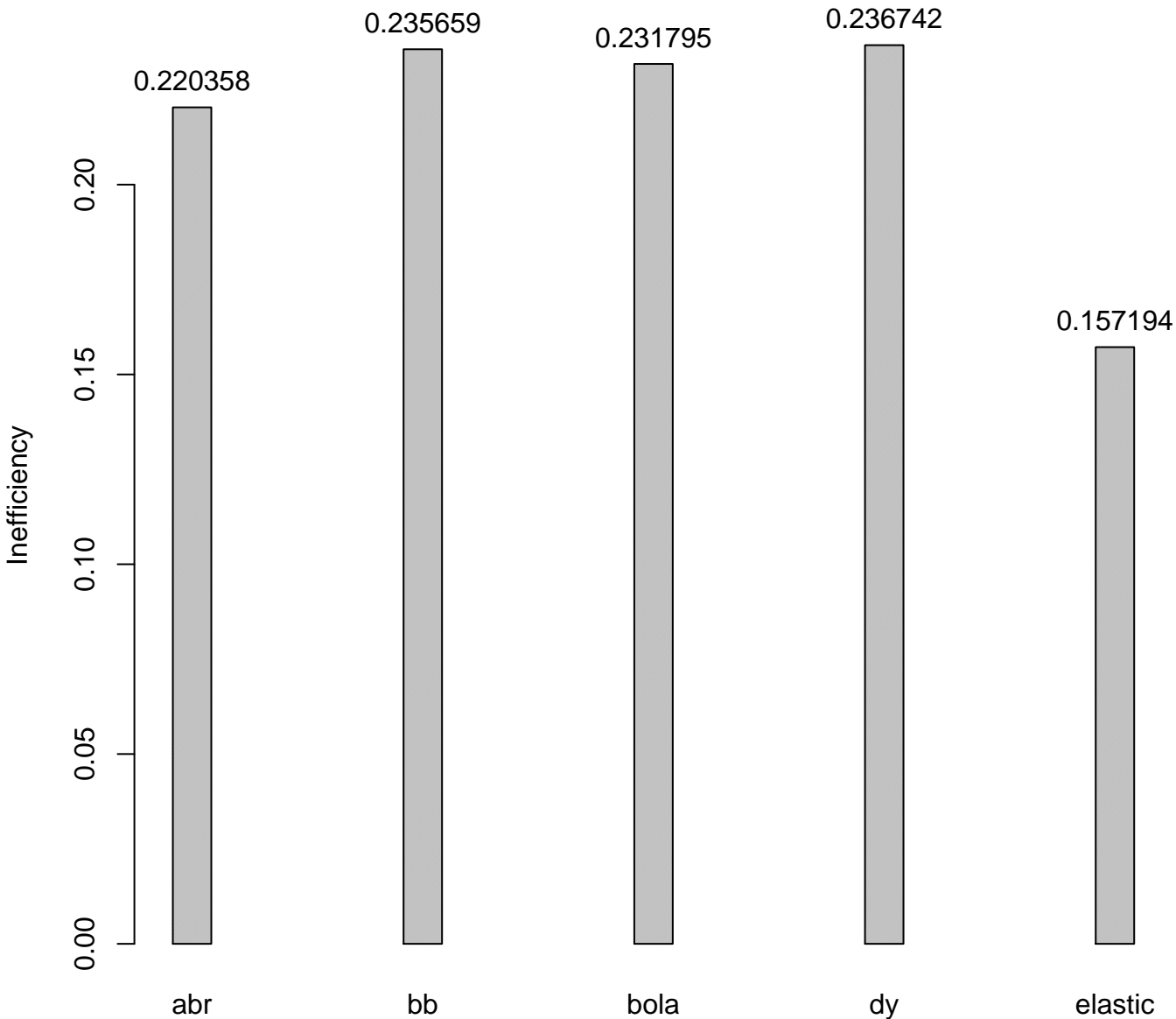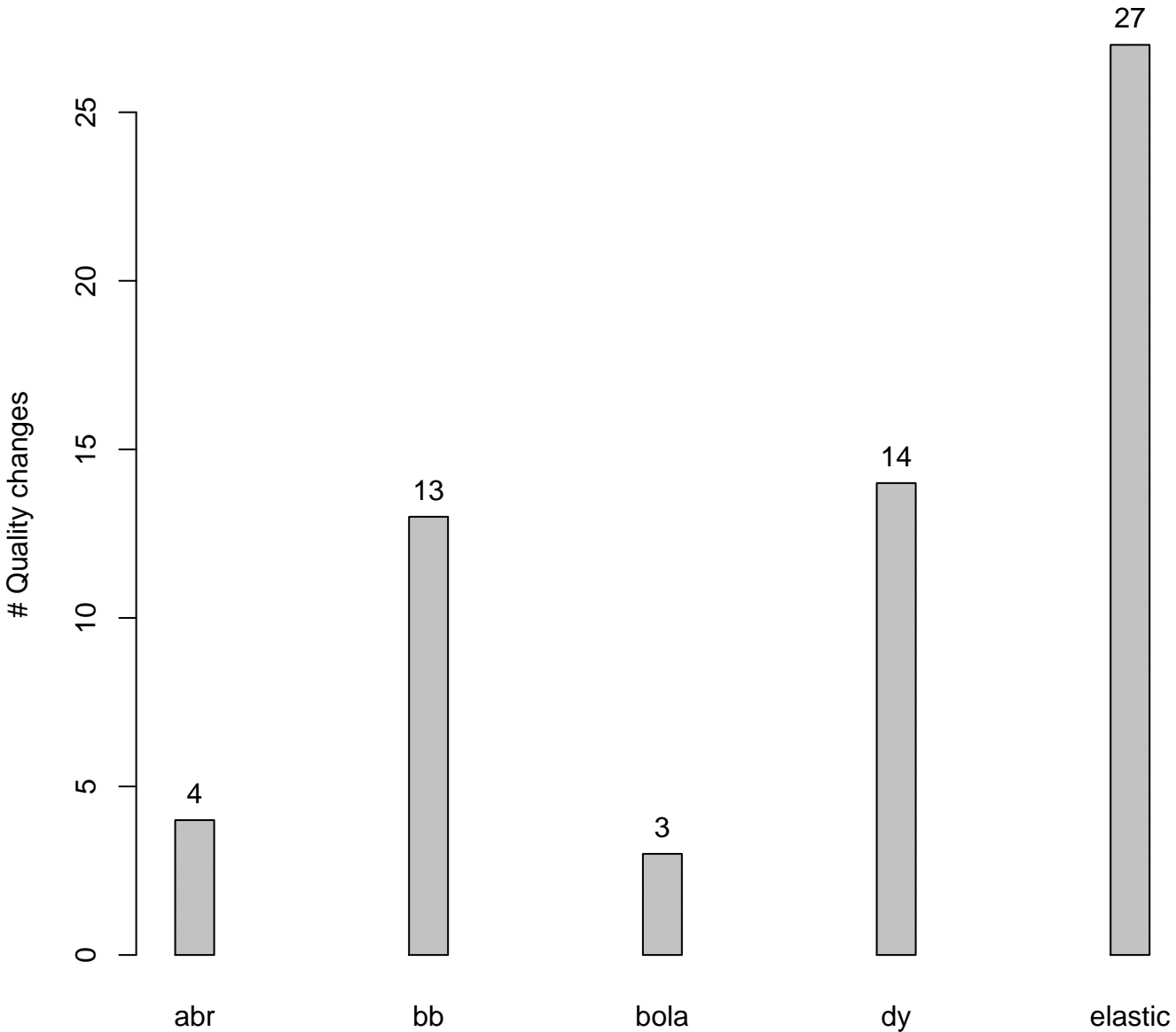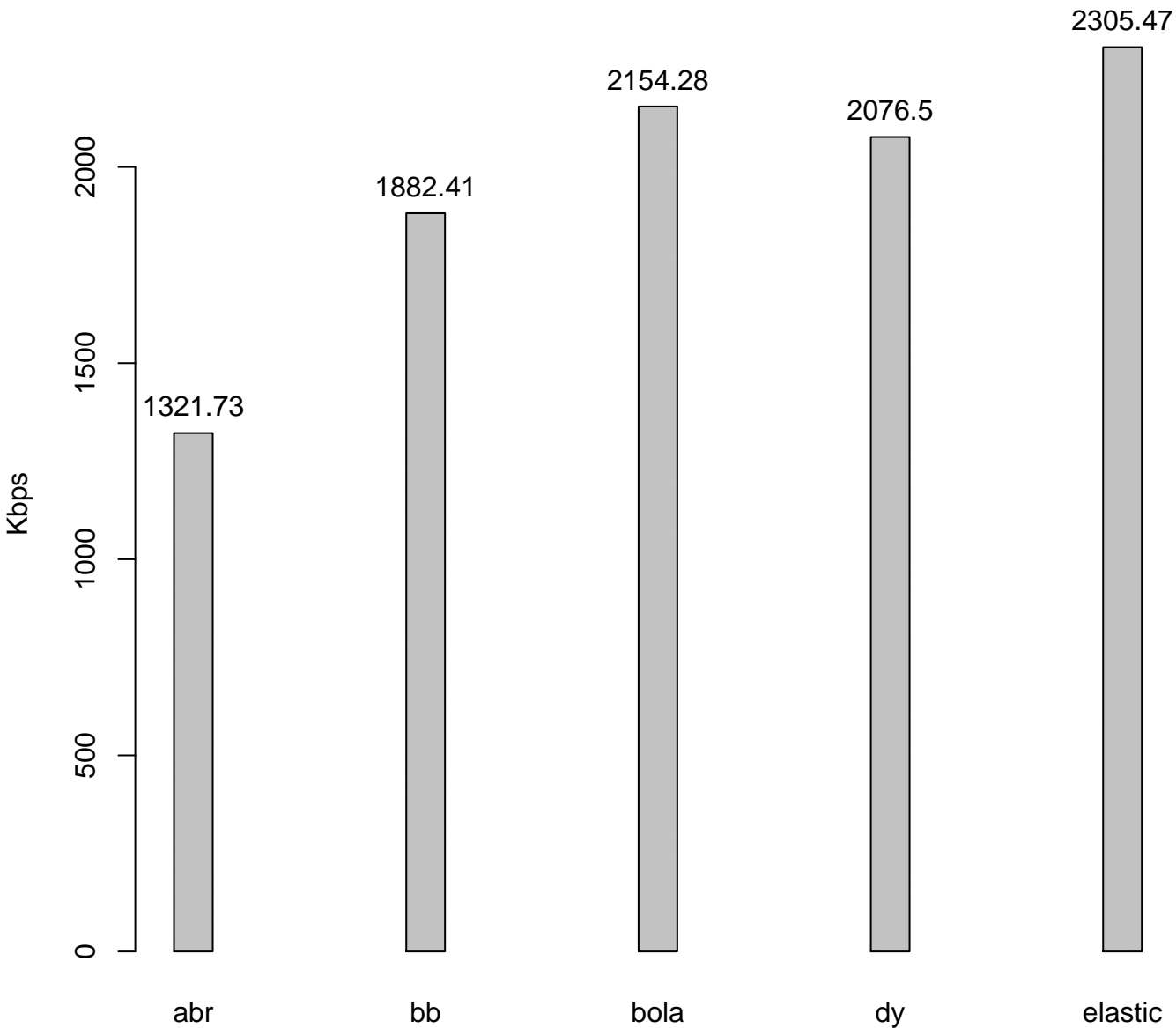**Network profile: p3 Sample: t3 Metric: # quality change
Buffer: 240 min: bb**

Network profile: p3 Sample: t4 Metric: Avg−Bitrate
Buffer: 240   max: elastic

Kbps

1305.21
1707.07
1745.38
1789.44
2179.59

abr   bb   bola   dy   elastic

Network profile: p3 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic

Network profile: p3 Sample: t4 Metric: # quality change
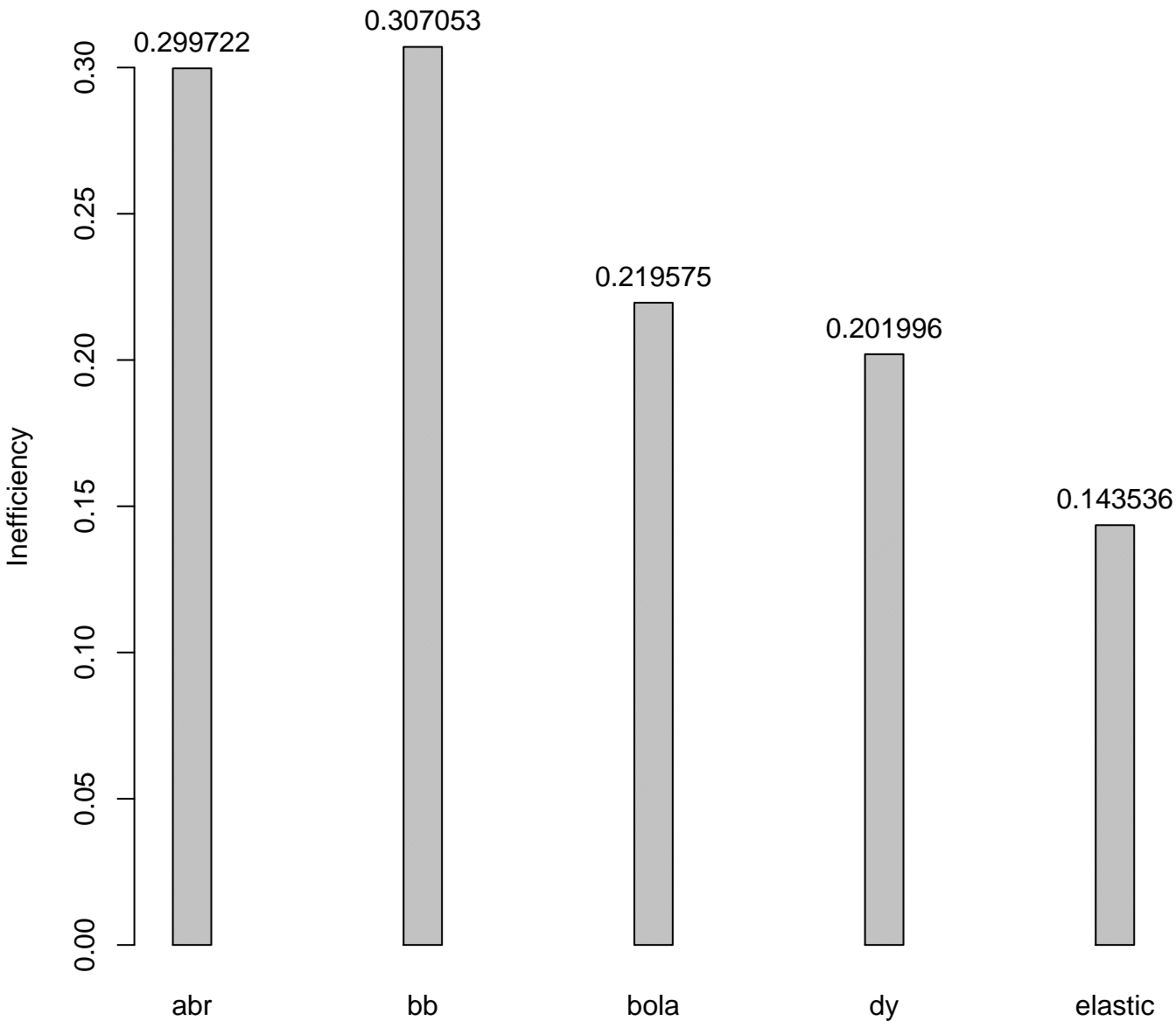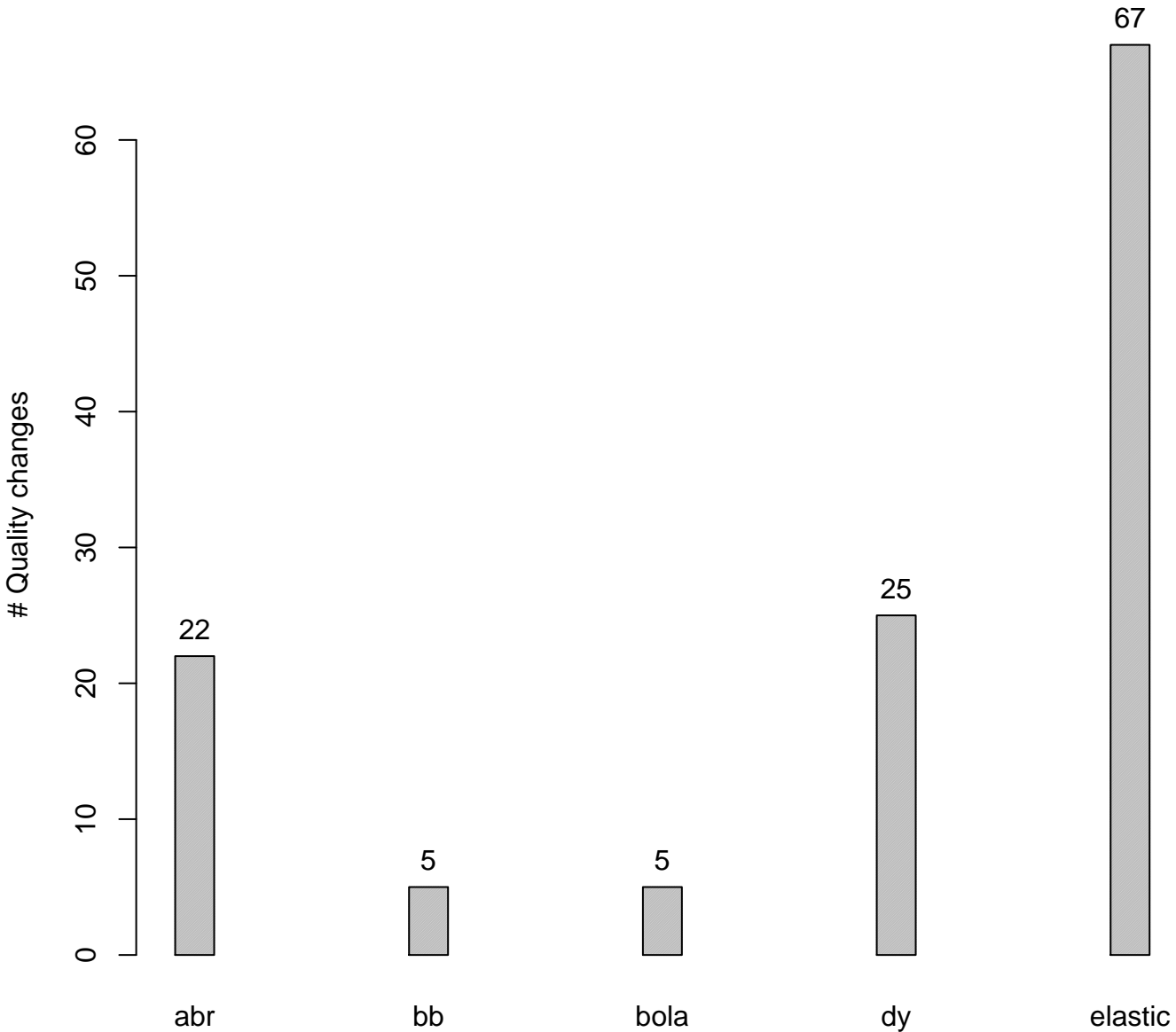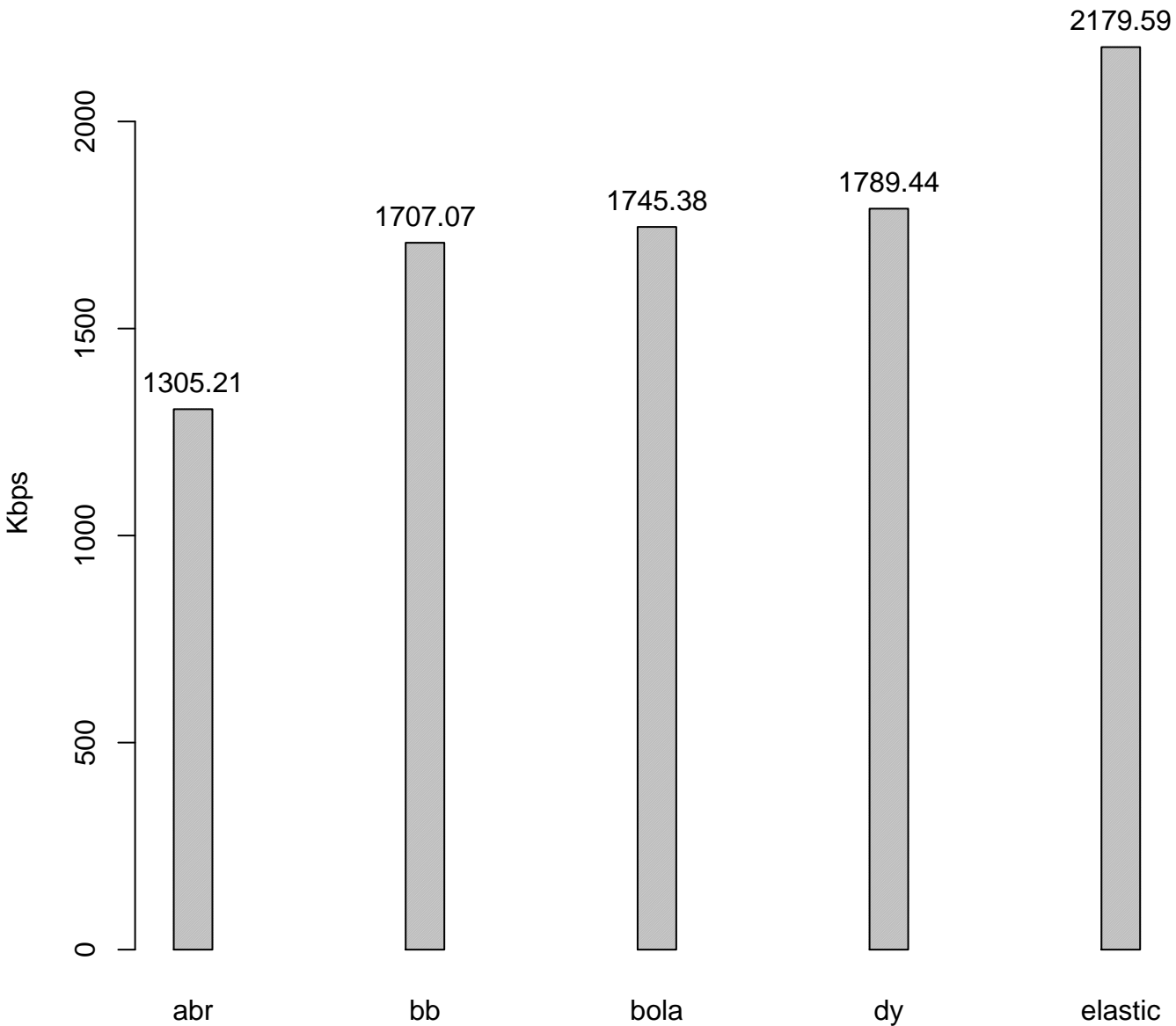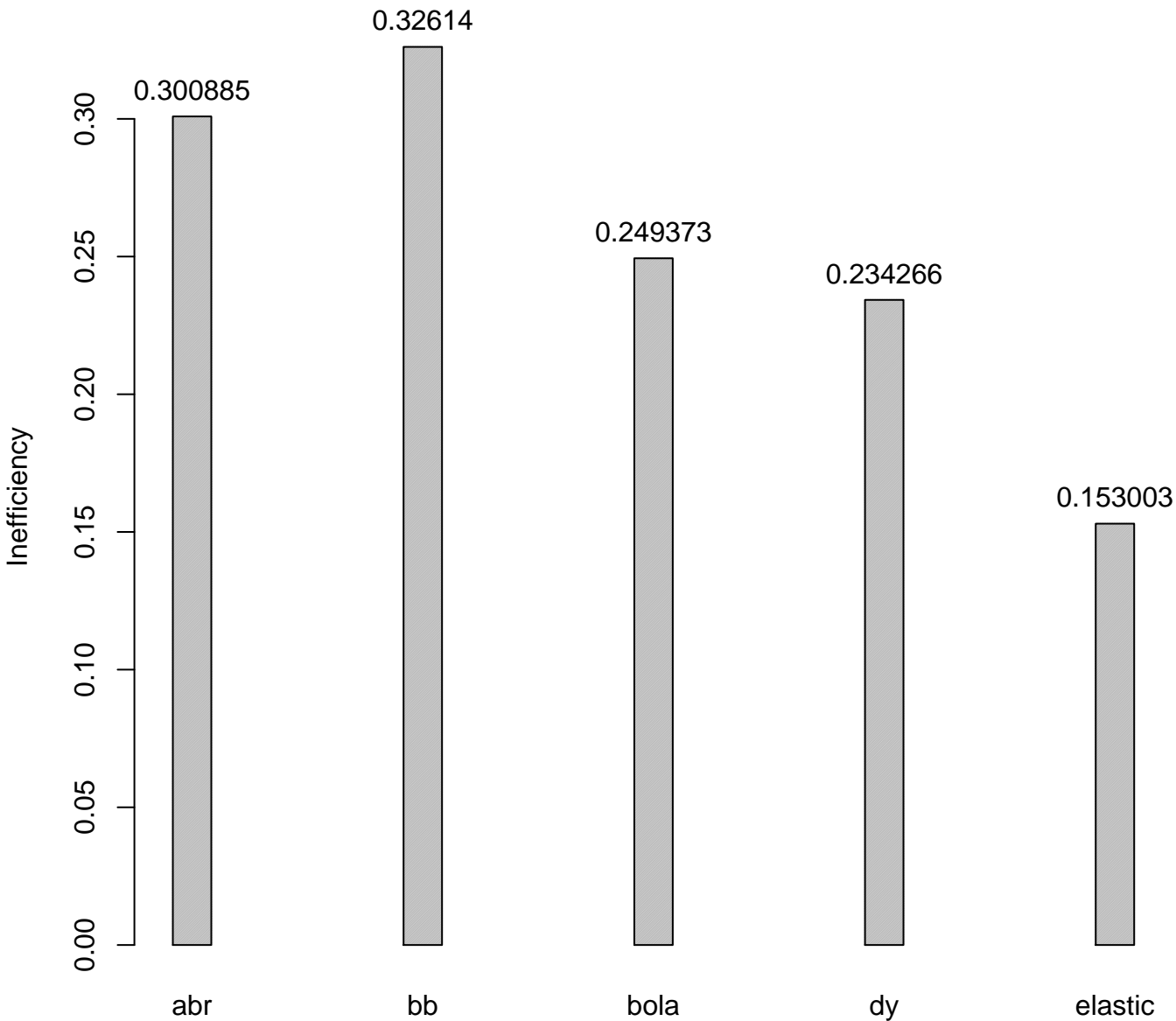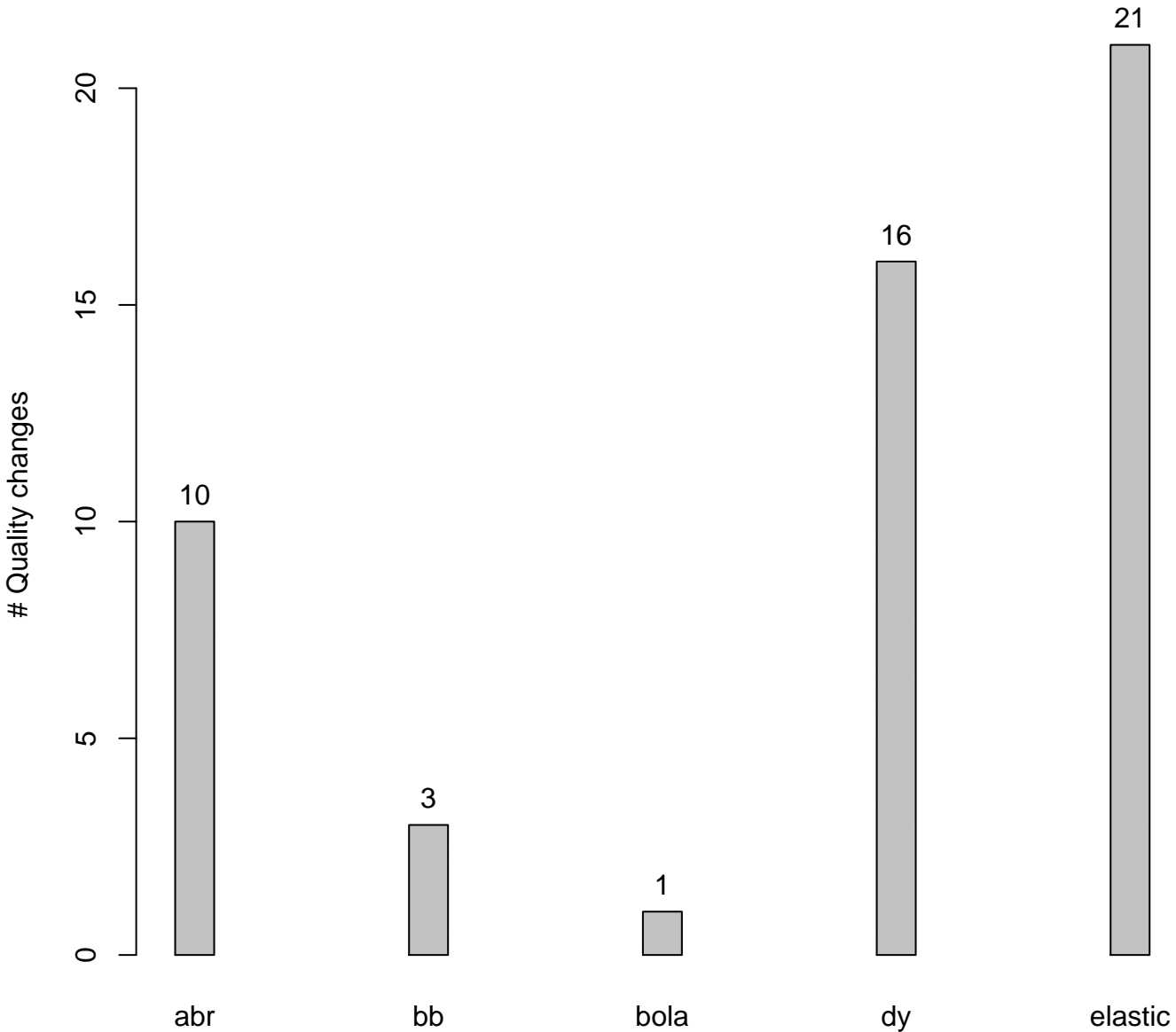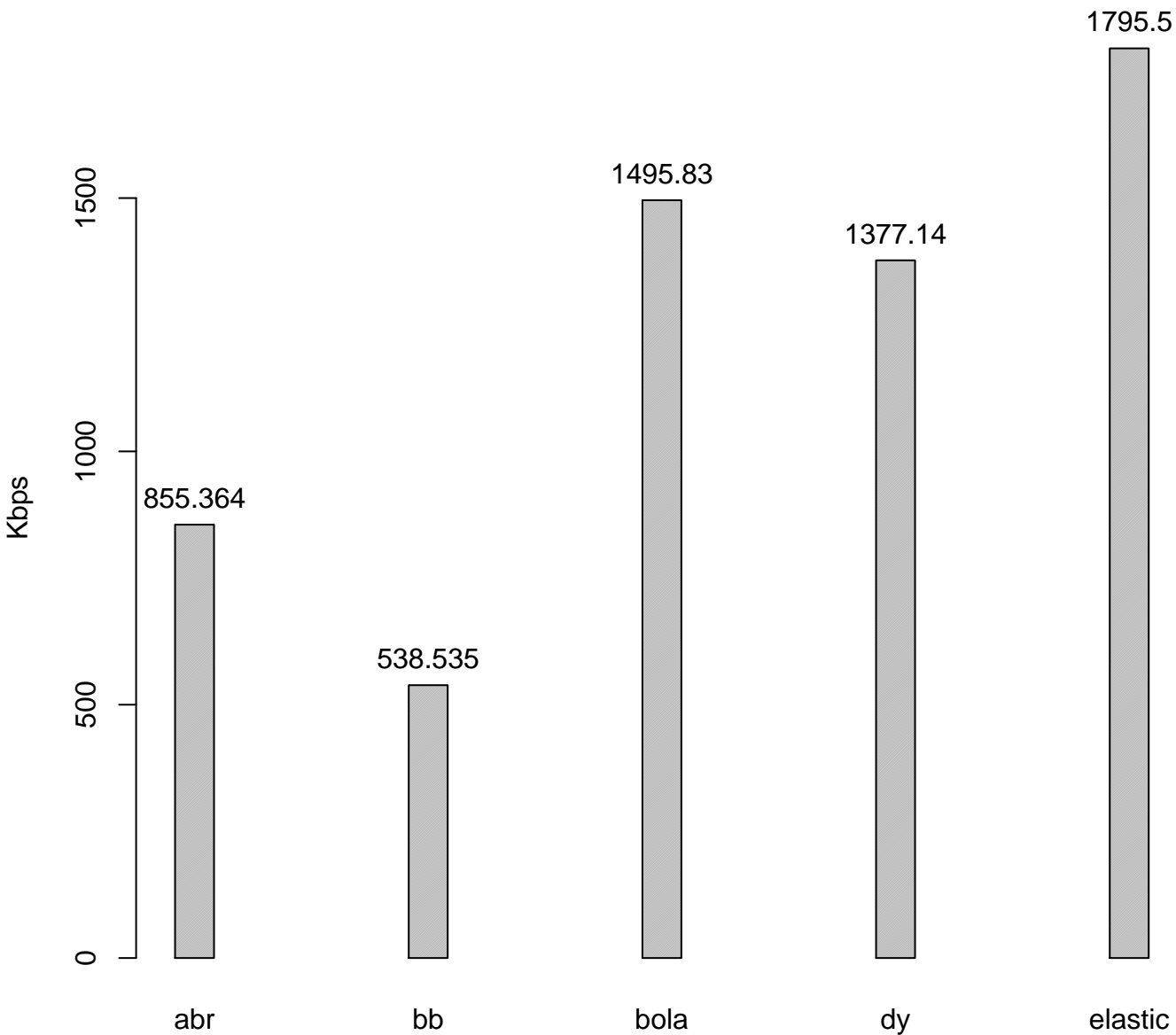**Buffer: 240 min: bola**

Network profile: p3 Sample: t5 Metric: Avg−Bitrate
Buffer: 240 max: elastic

Network profile: p3 Sample: t5 Metric: Inefficiency
Buffer: 240 min: elastic

Inefficiency

0.391478 0.690546 0.384744 0.299553 0.25832

abr   bb   bola   dy   elastic

Network profile: p3 Sample: t5 Metric: # quality change
Buffer: 240 min: bb

Network profile: p3 Sample: t6 Metric: Avg−Bitrate
Buffer: 240 max: elastic

**Network profile: p3 Sample: t6 Metric: Inefficiency
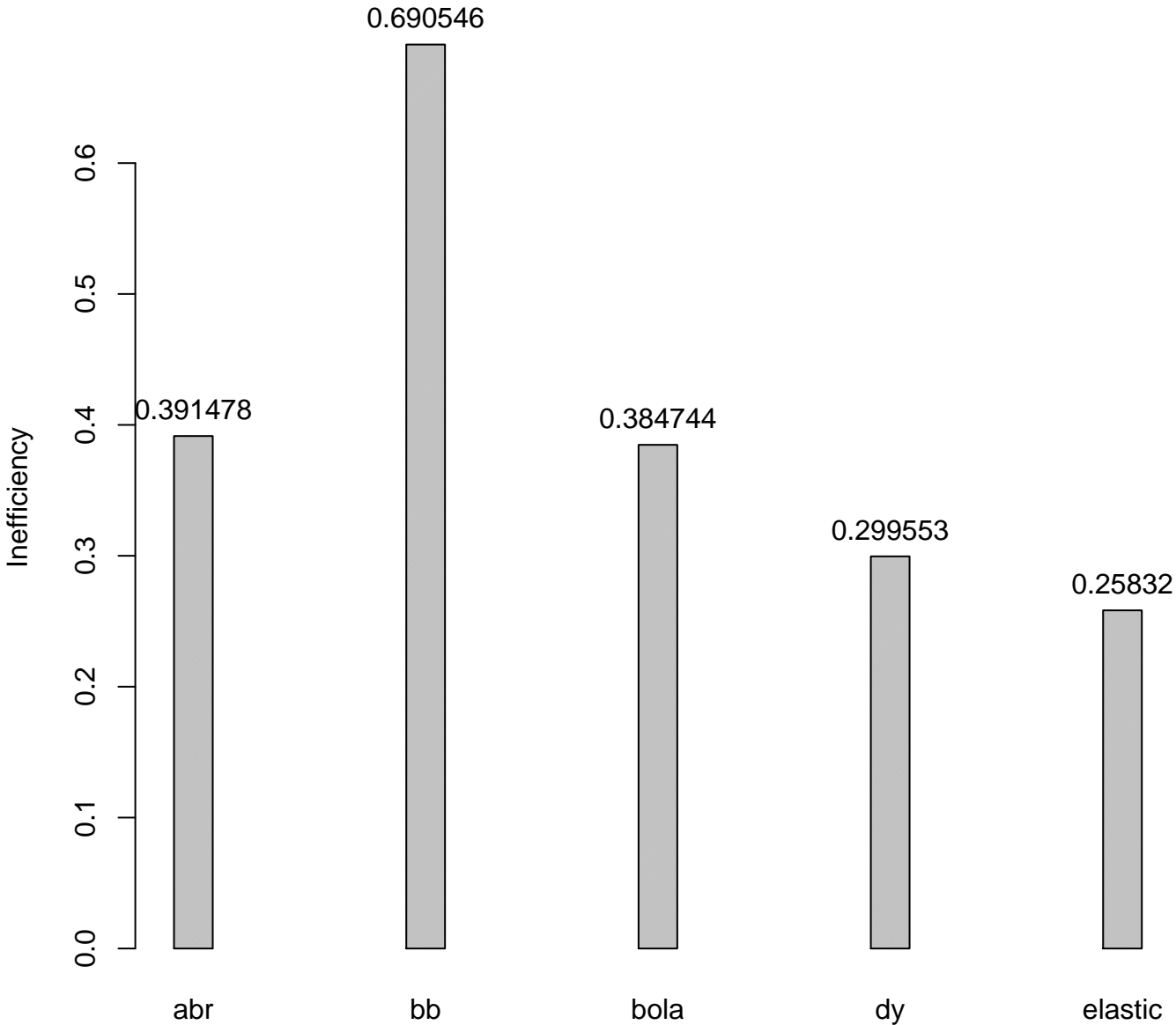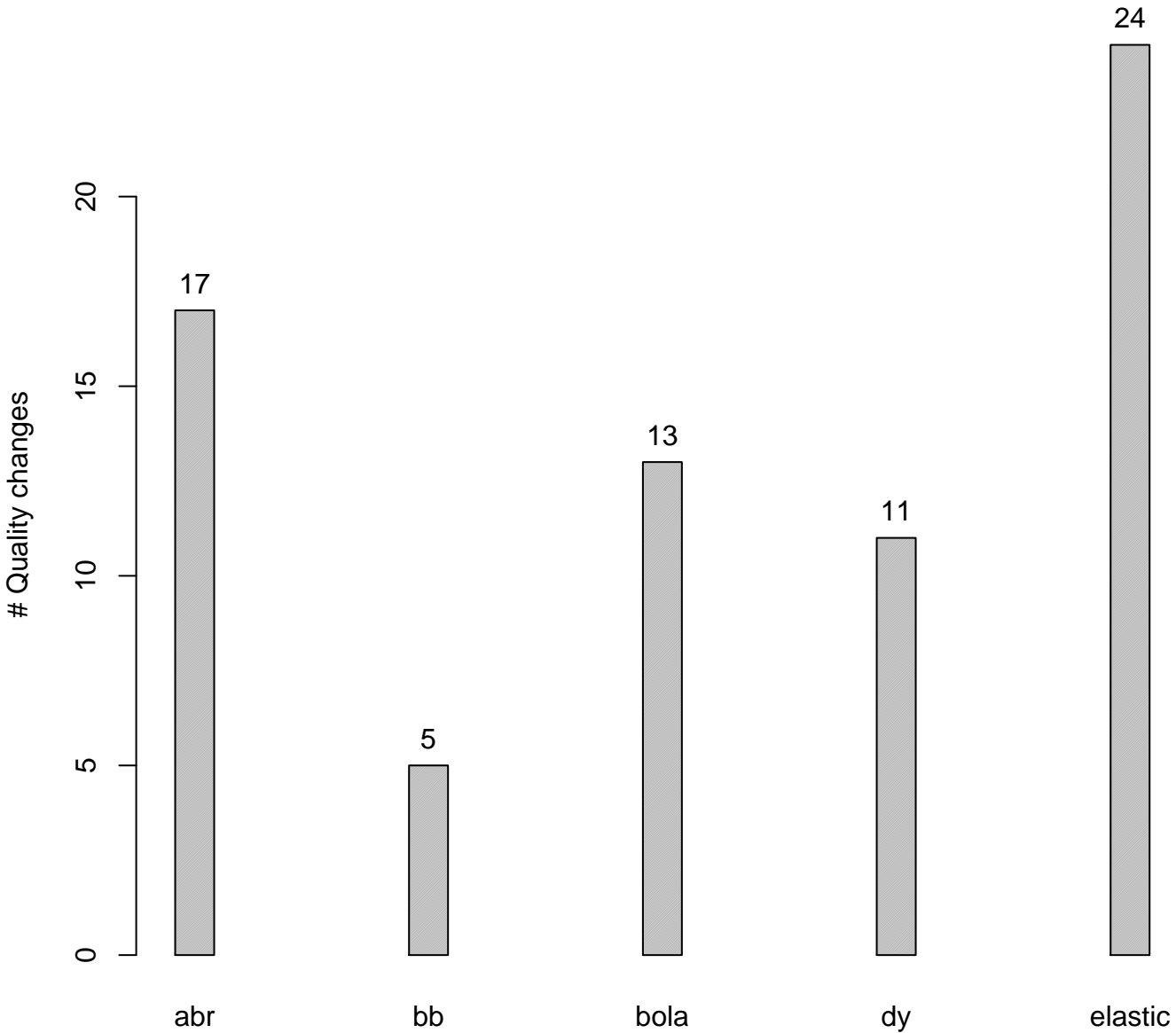Buffer: 240 min: elastic**

Inefficiency

0.38328

0.510776

0.286365

0.296803

0.220539

abr   bb   bola   dy   elastic

Network profile: p3 Sample: t6 Metric: # quality change
Buffer: 240 min: bb

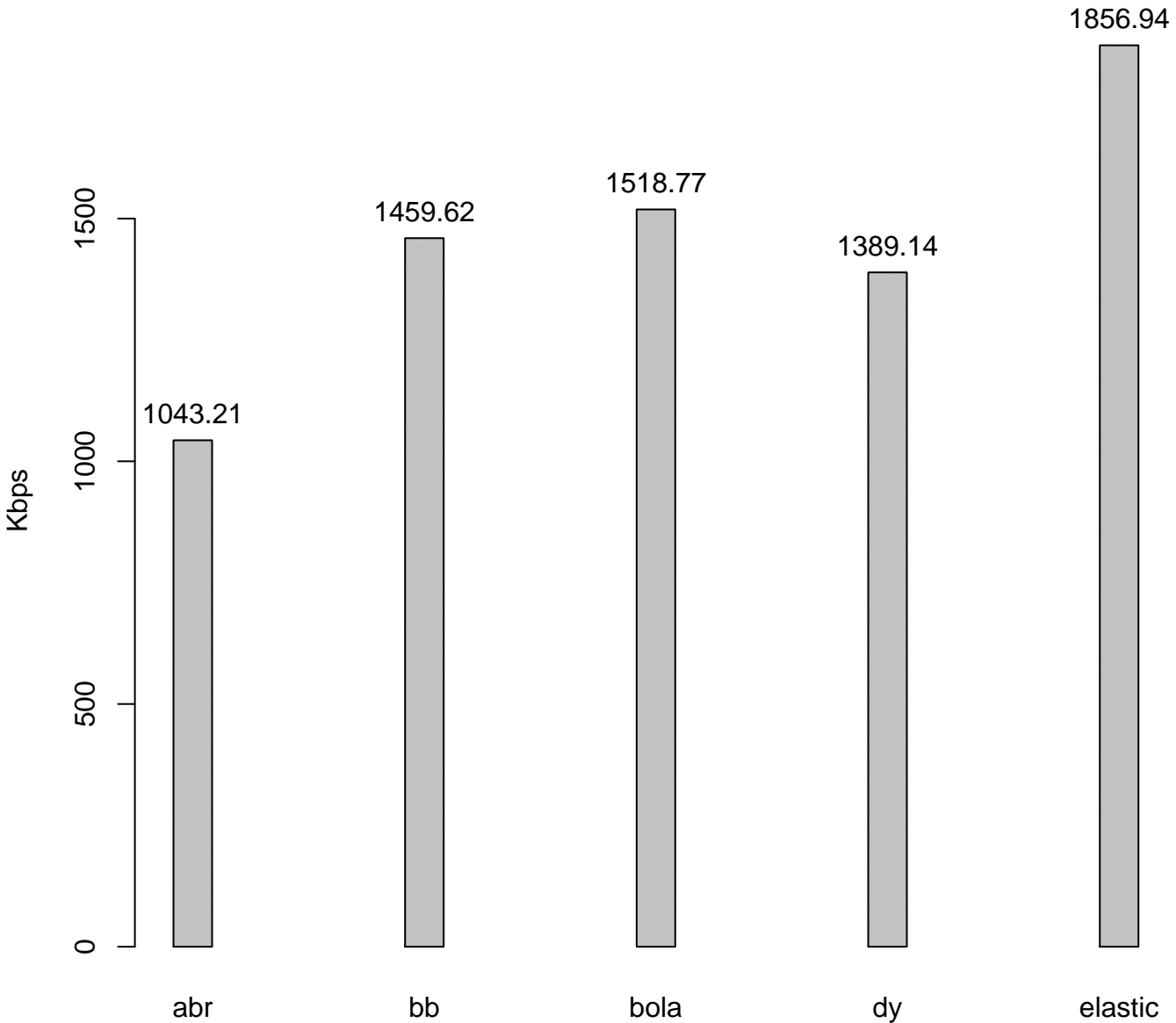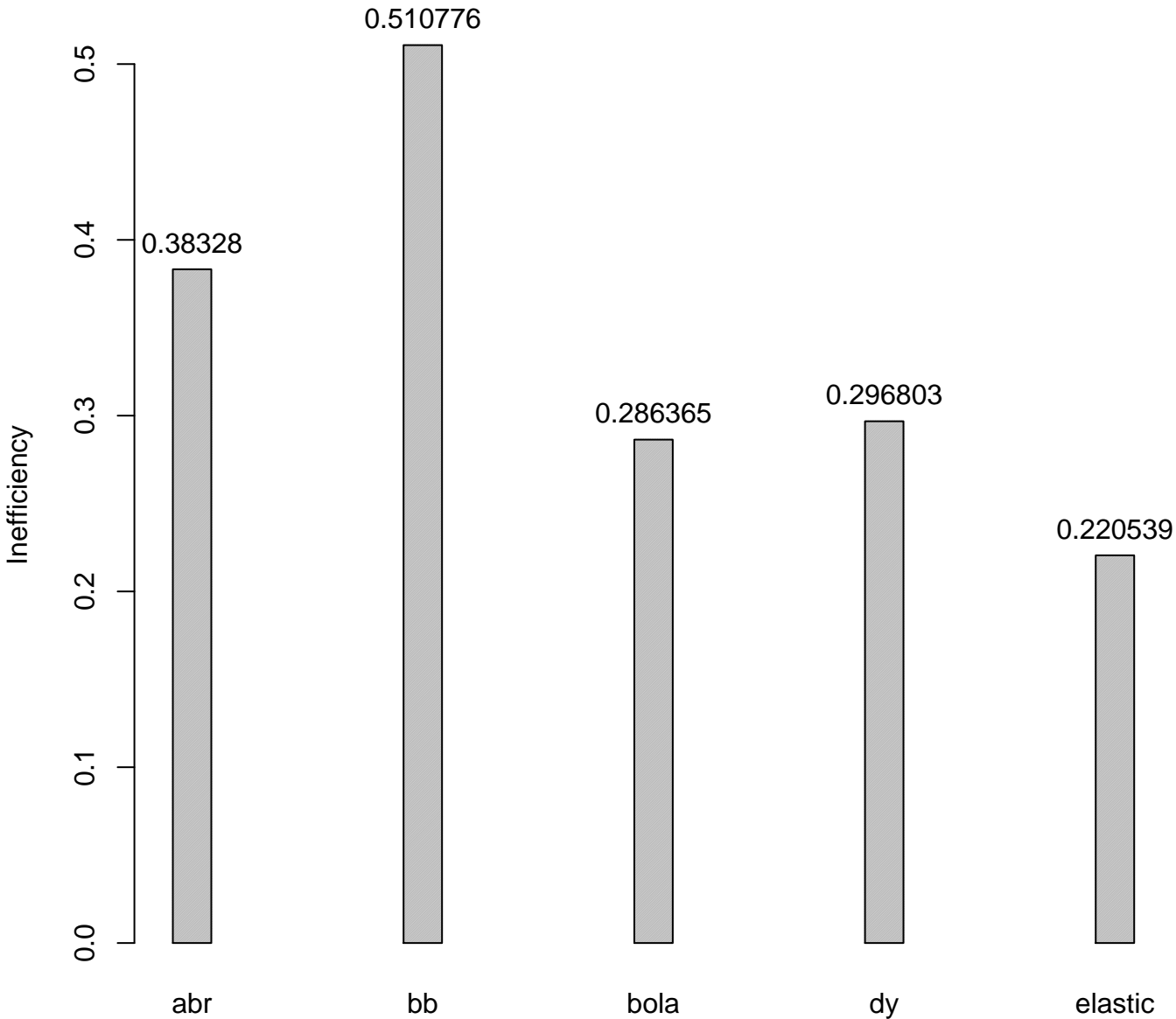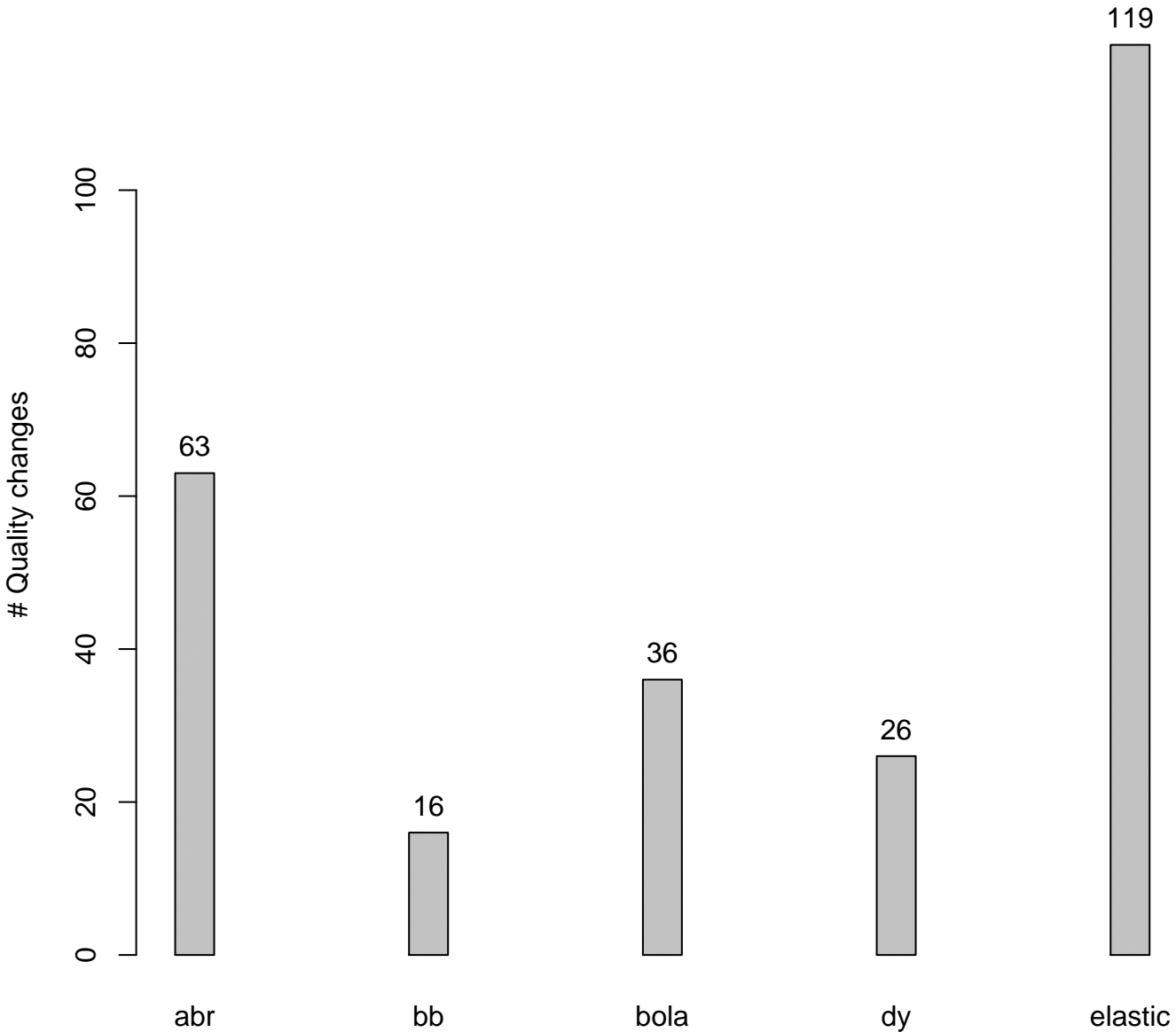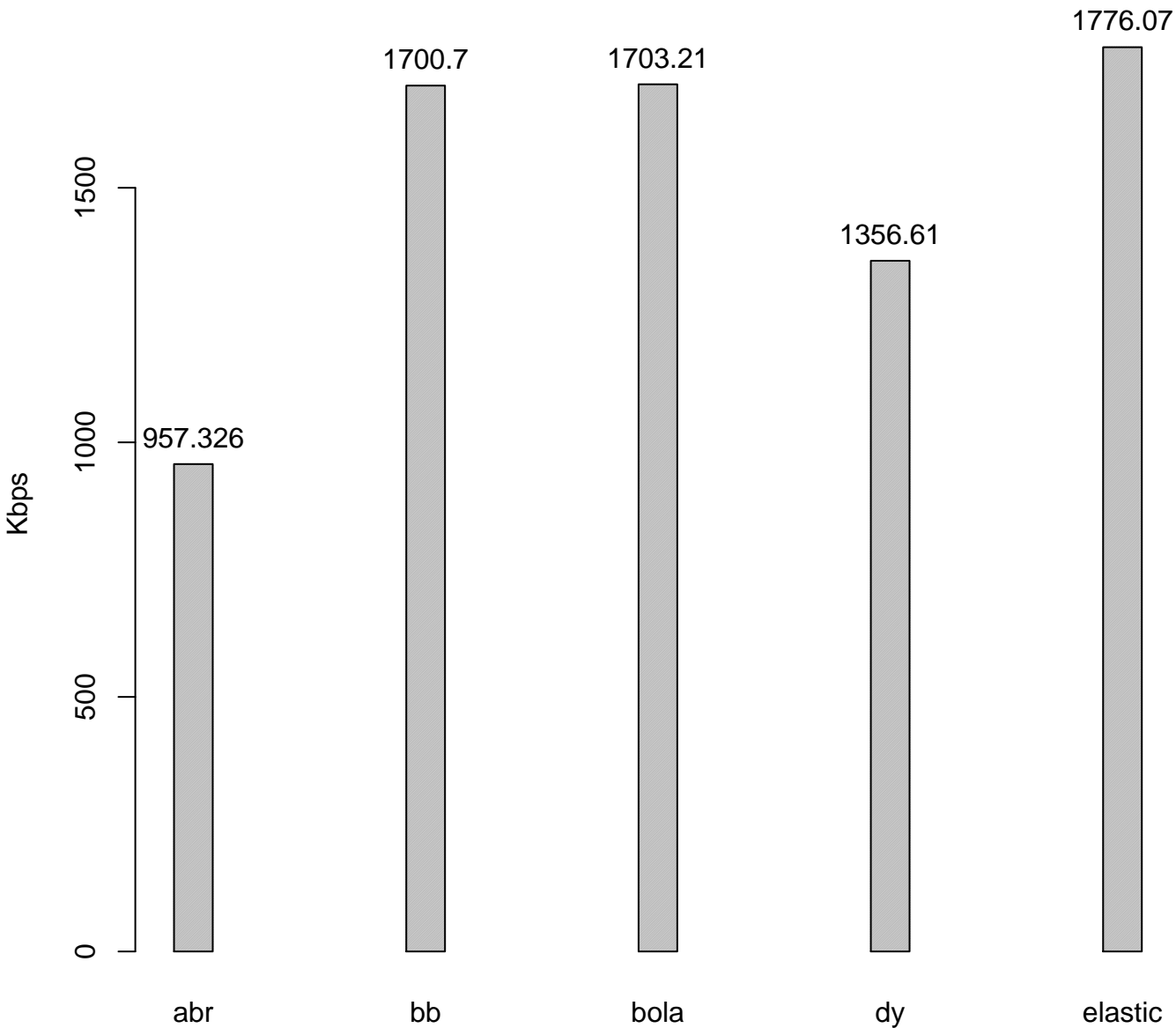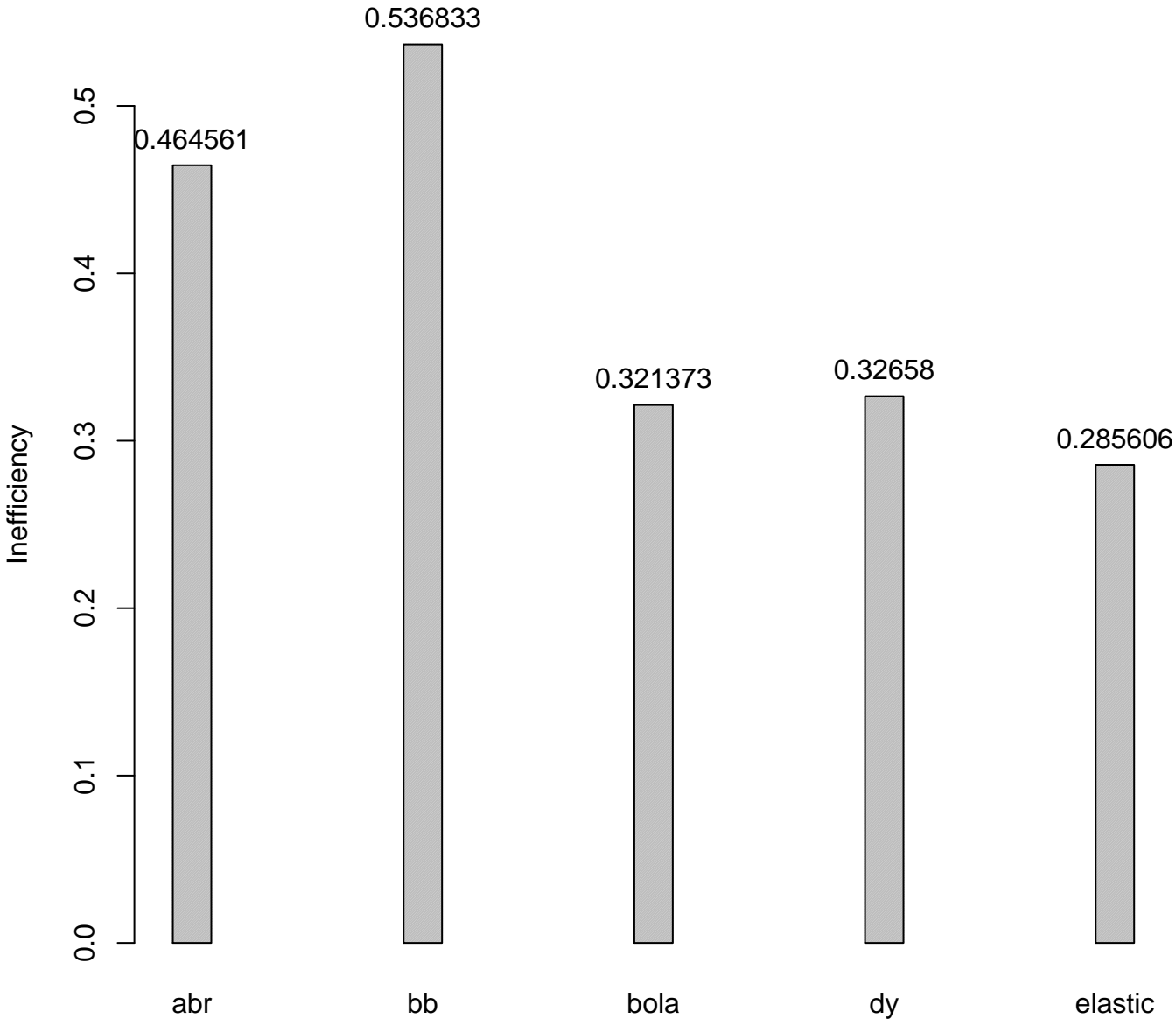**Network profile: p3 Sample: t7 Metric: Avg−Bitrate**
Buffer: 240   max: elastic

Network profile: p3 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic

Inefficiency

0.464561   0.536833   0.321373   0.32658   0.285606

abr   bb   bola   dy   elastic

Network profile: p3 Sample: t7 Metric: # quality change
Buffer: 240 min: bb

Quality changes

47	8	16	15	111
abr	bb	bola	dy	elastic

Network profile: p4 Sample: t1 Metric: Avg−Bitrate
Buffer: 240 max: dy

Network profile: p4 Sample: t1 Metric: Inefficiency
Buffer: 240 min: elastic

Inefficiency

Network profile: p4 Sample: t1 Metric: # quality change
Buffer: 240 min: abr

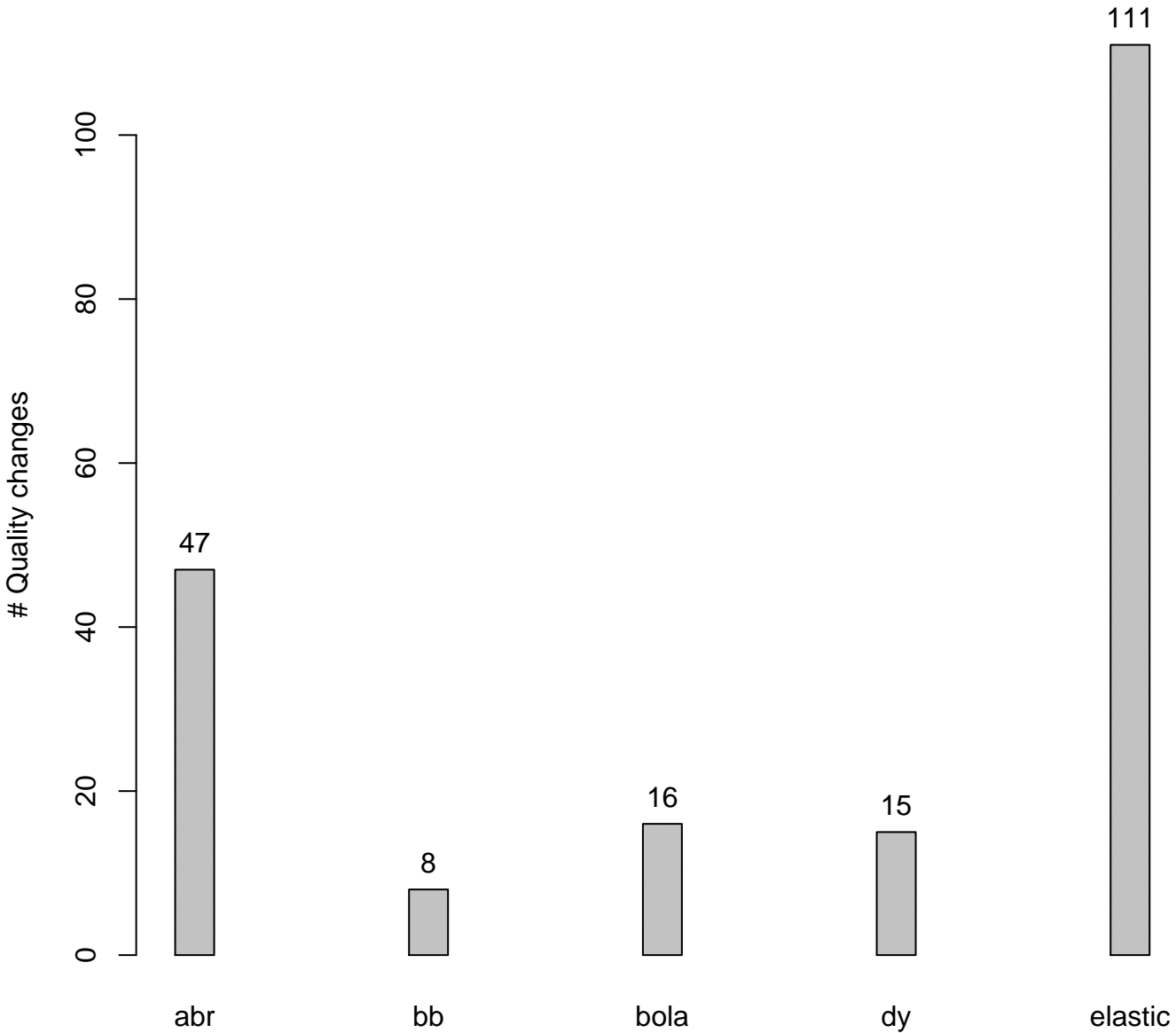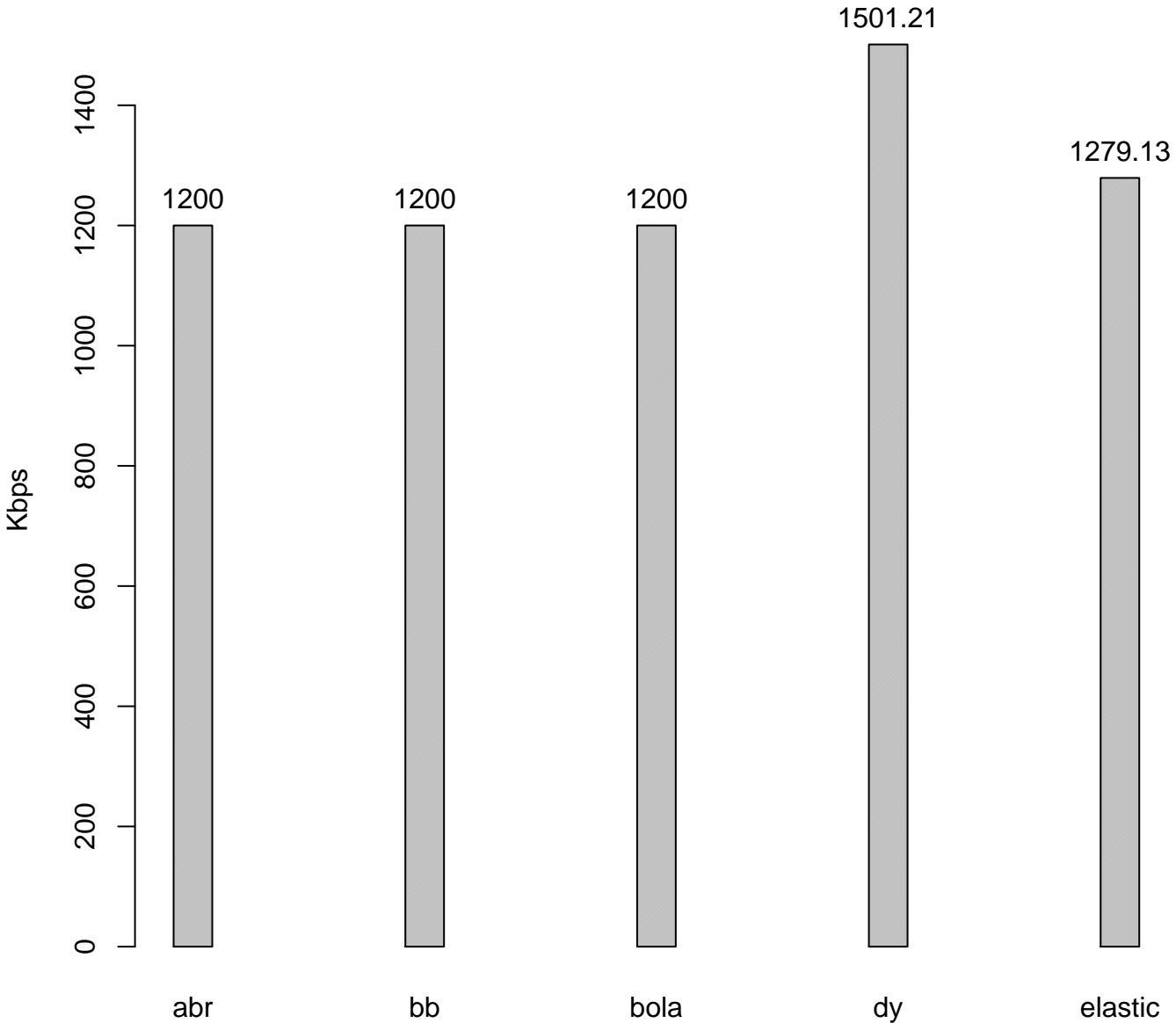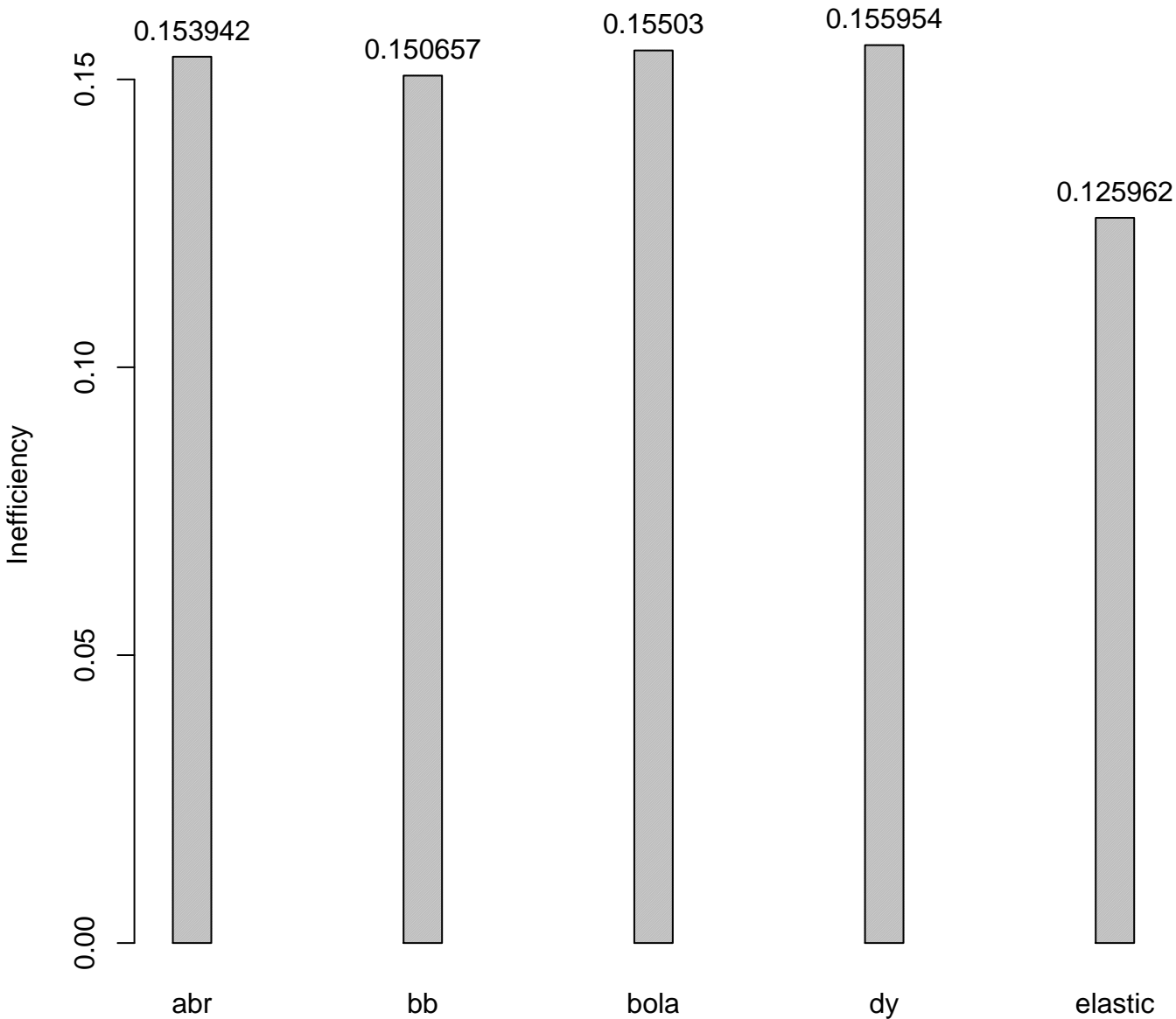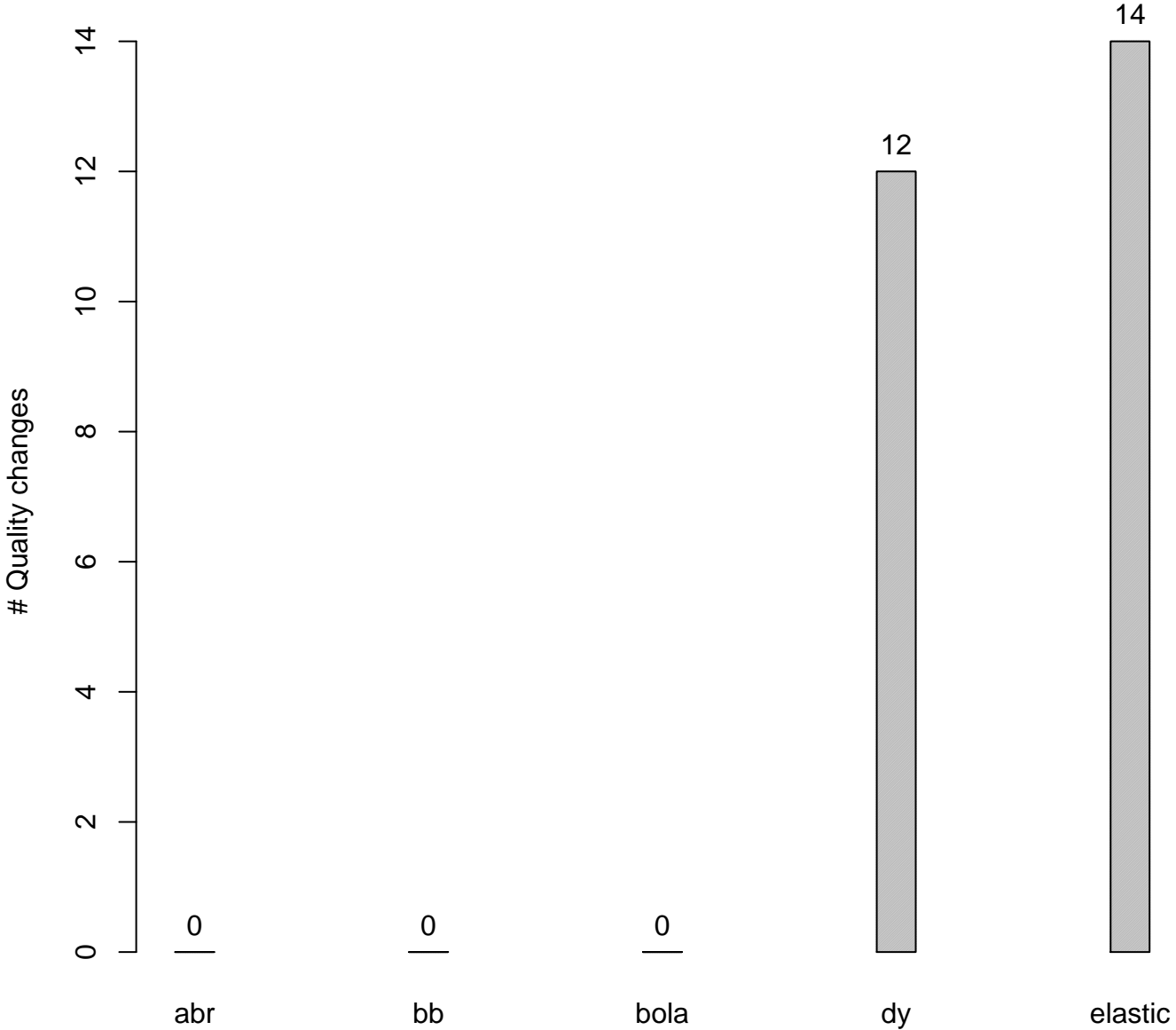**Network profile: p4 Sample: t2 Metric: Avg−Bitrate**
Buffer: 240 max: dy

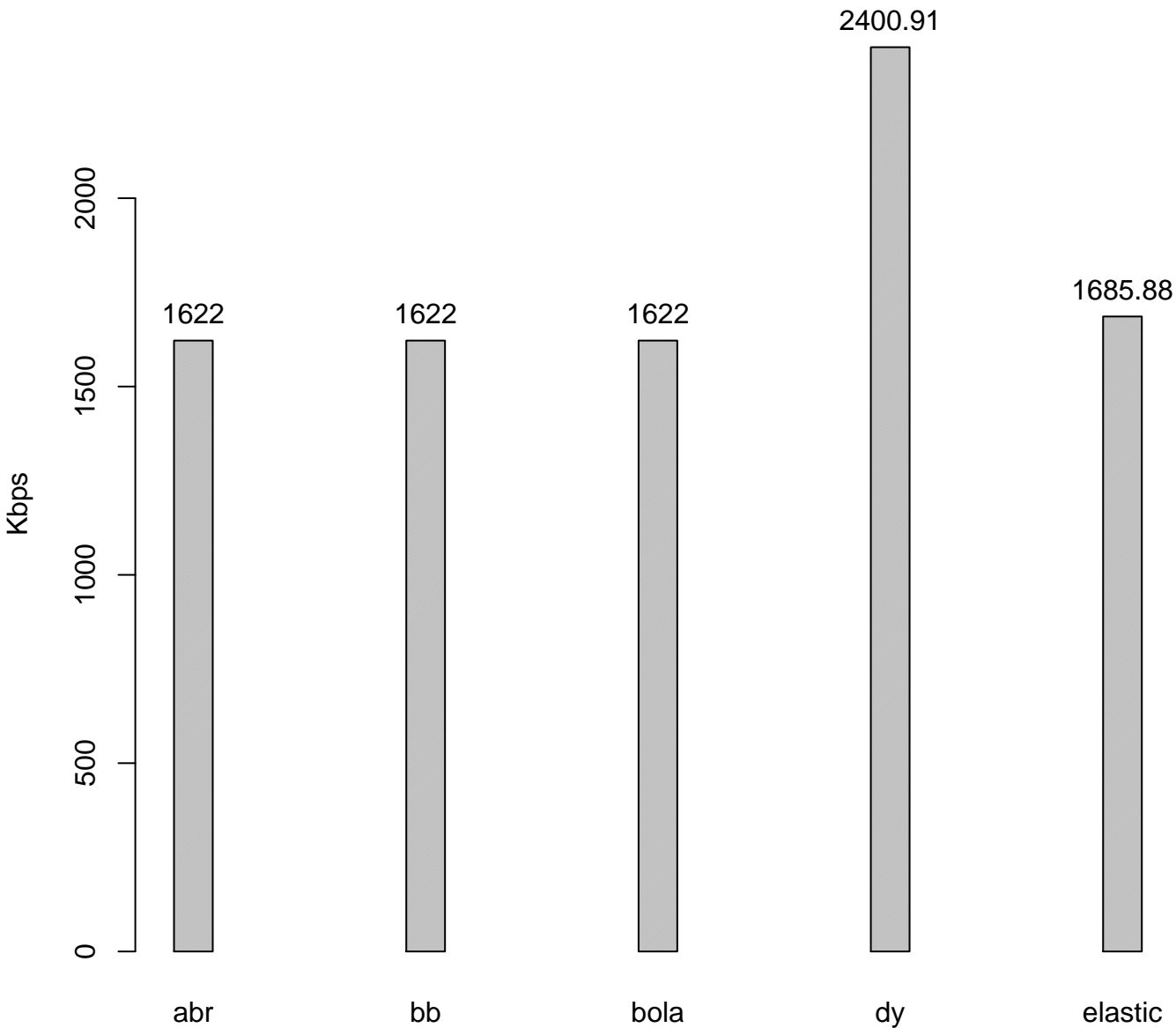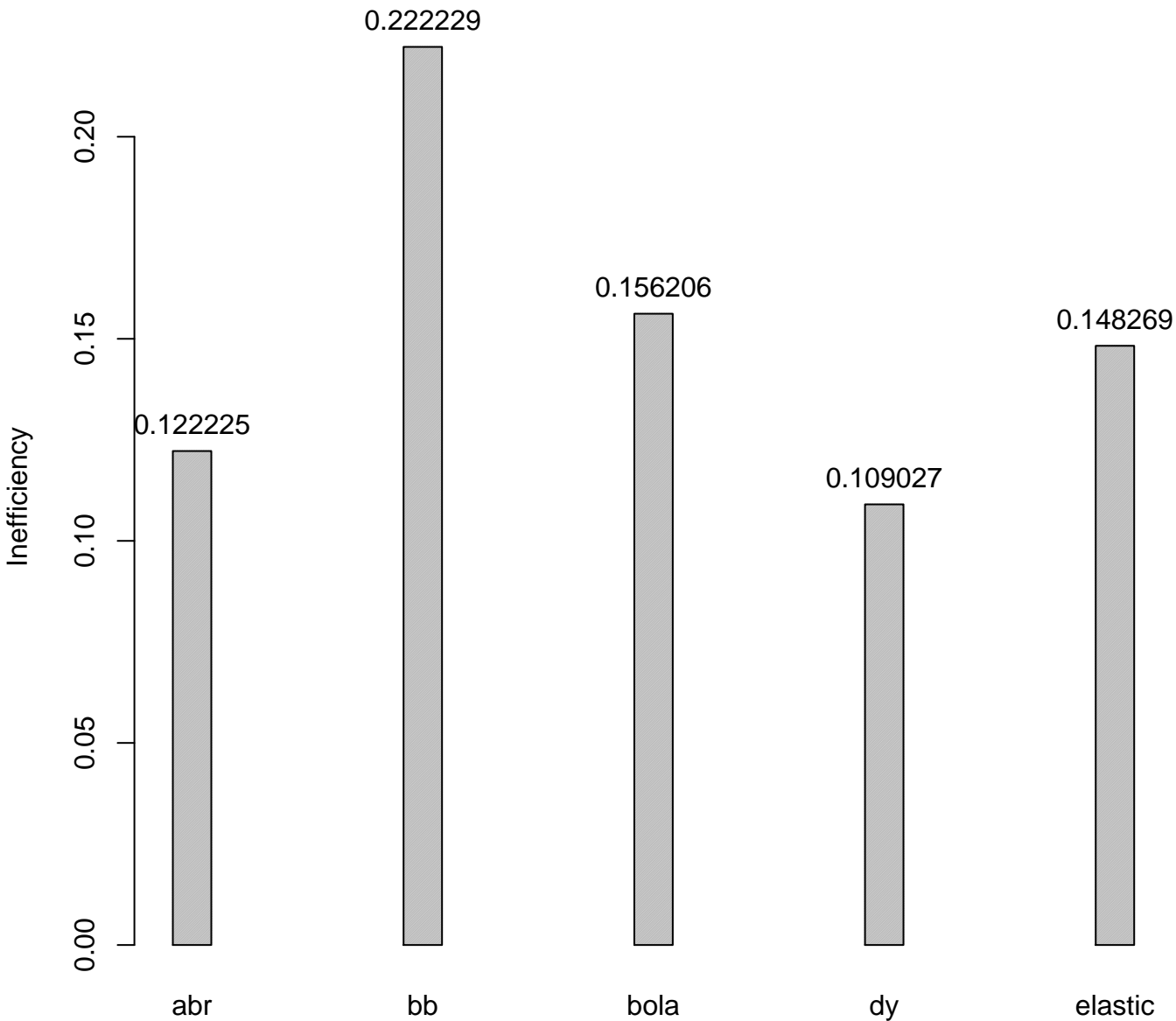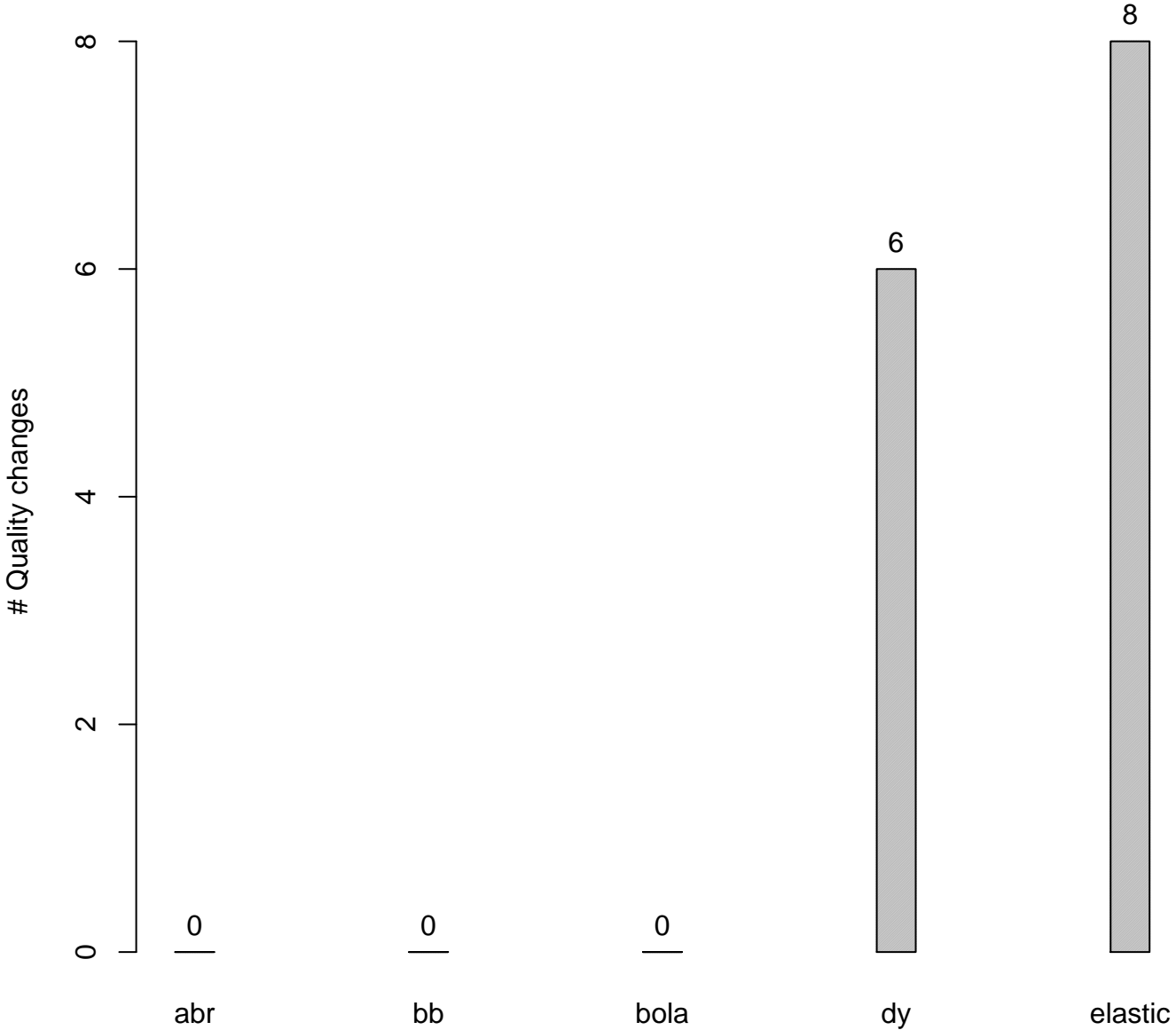**Network profile: p4 Sample: t2 Metric: Inefficiency**
Buffer: 240 min: dy

Inefficiency

0.222229

0.156206

0.148269

0.122225

0.109027

abr   bb   bola   dy   elastic

Network profile: p4 Sample: t2 Metric: # quality change
Buffer: 240 min: abr

Network profile: p4 Sample: t3 Metric: Avg−Bitrate
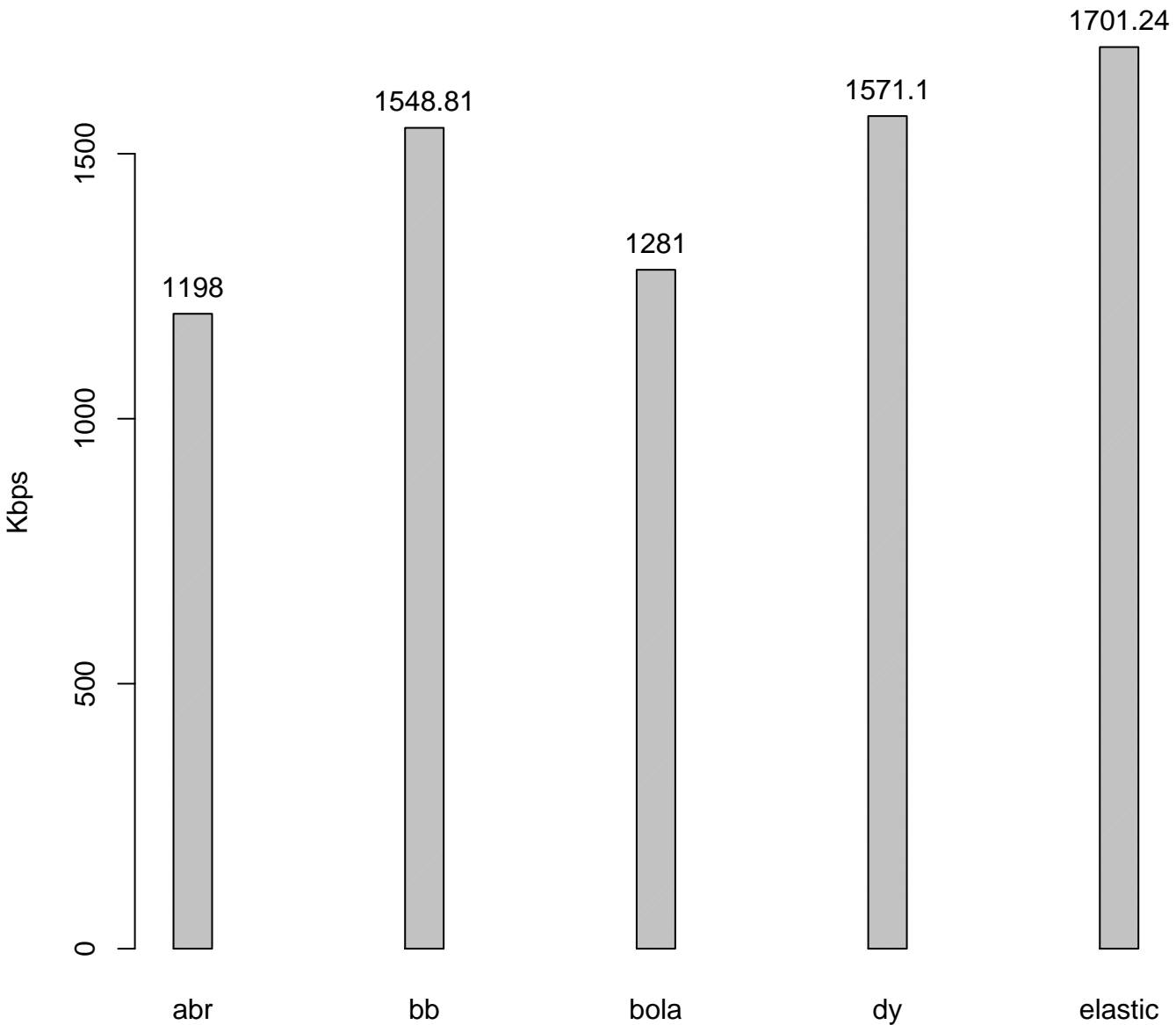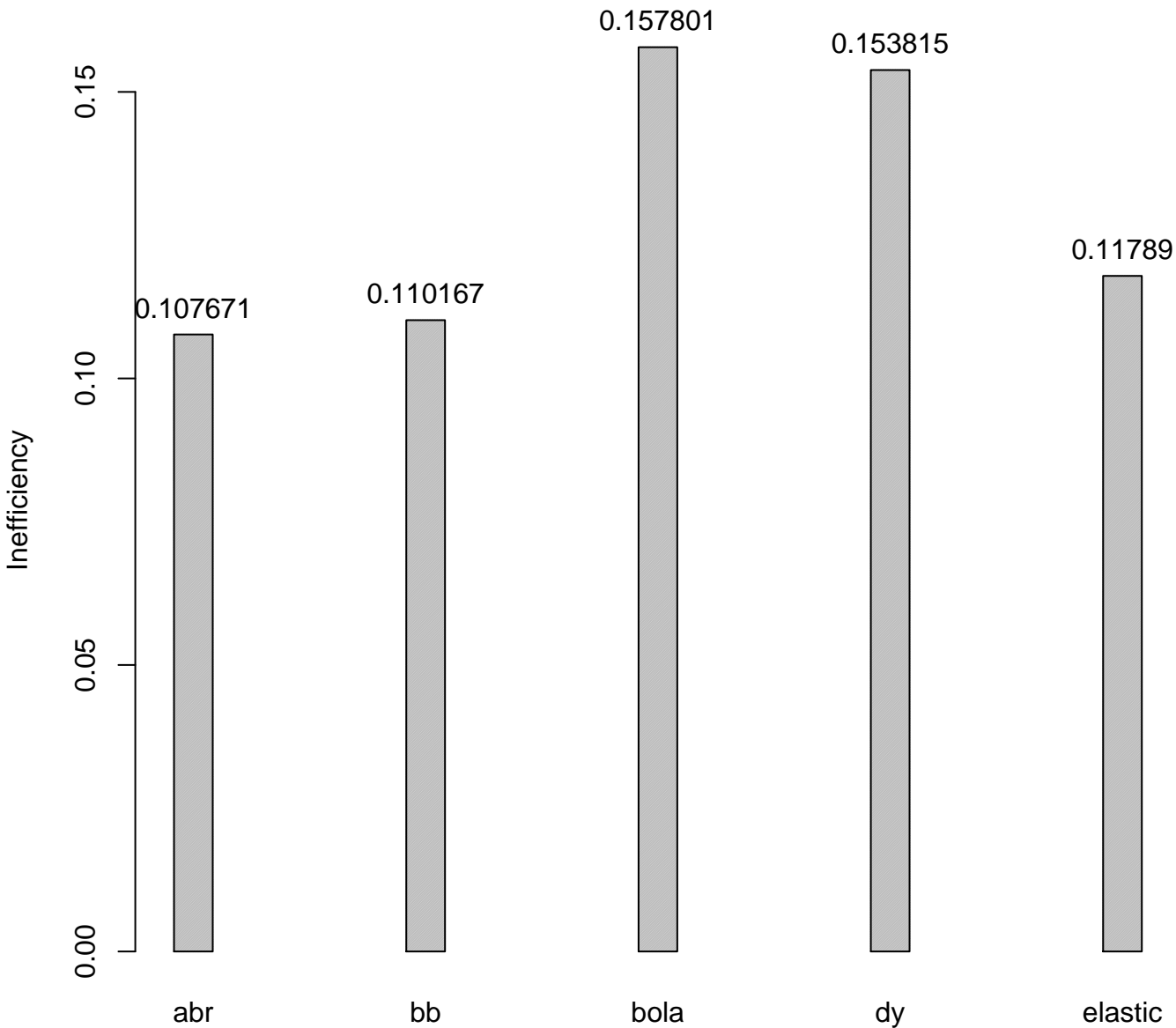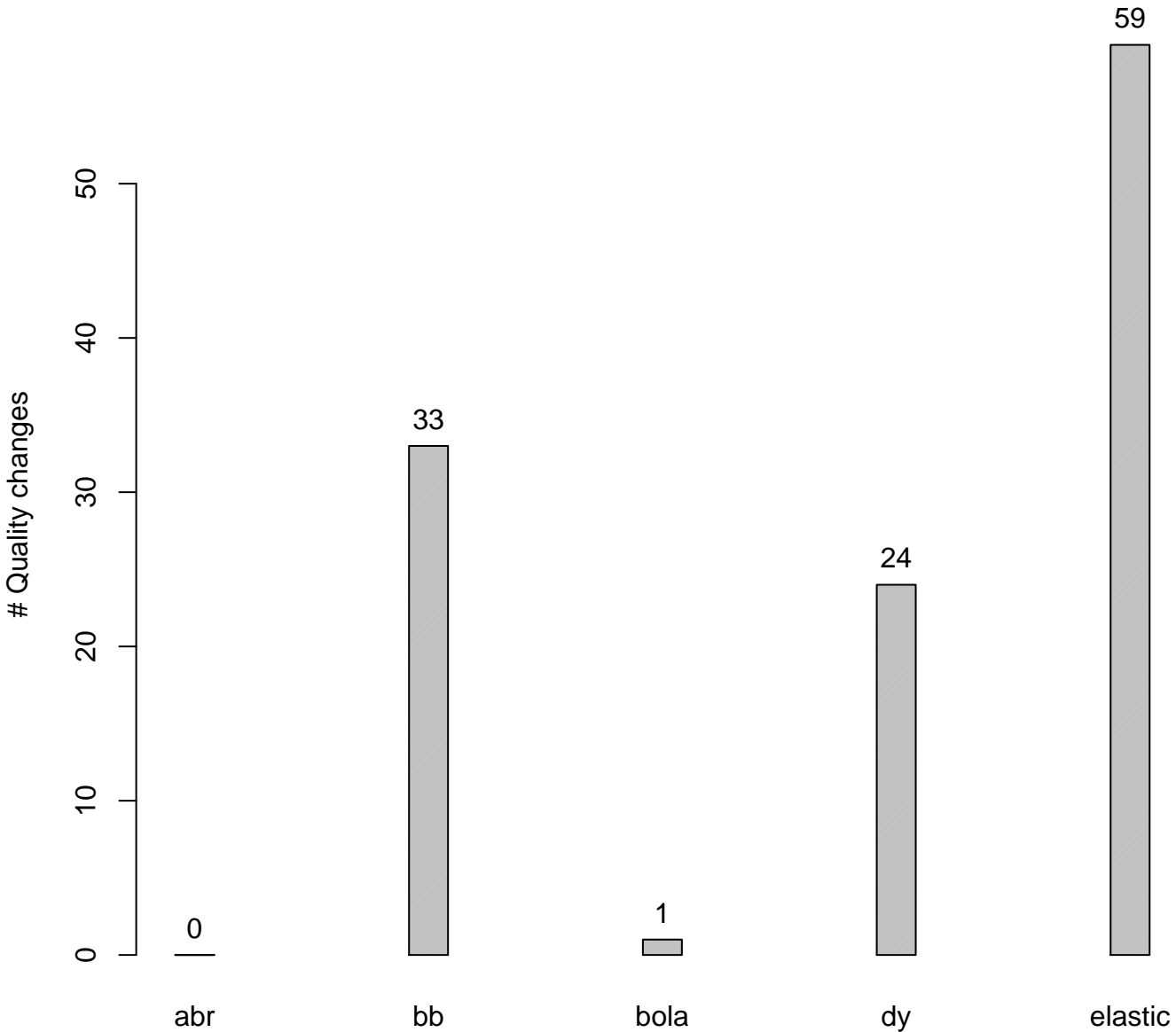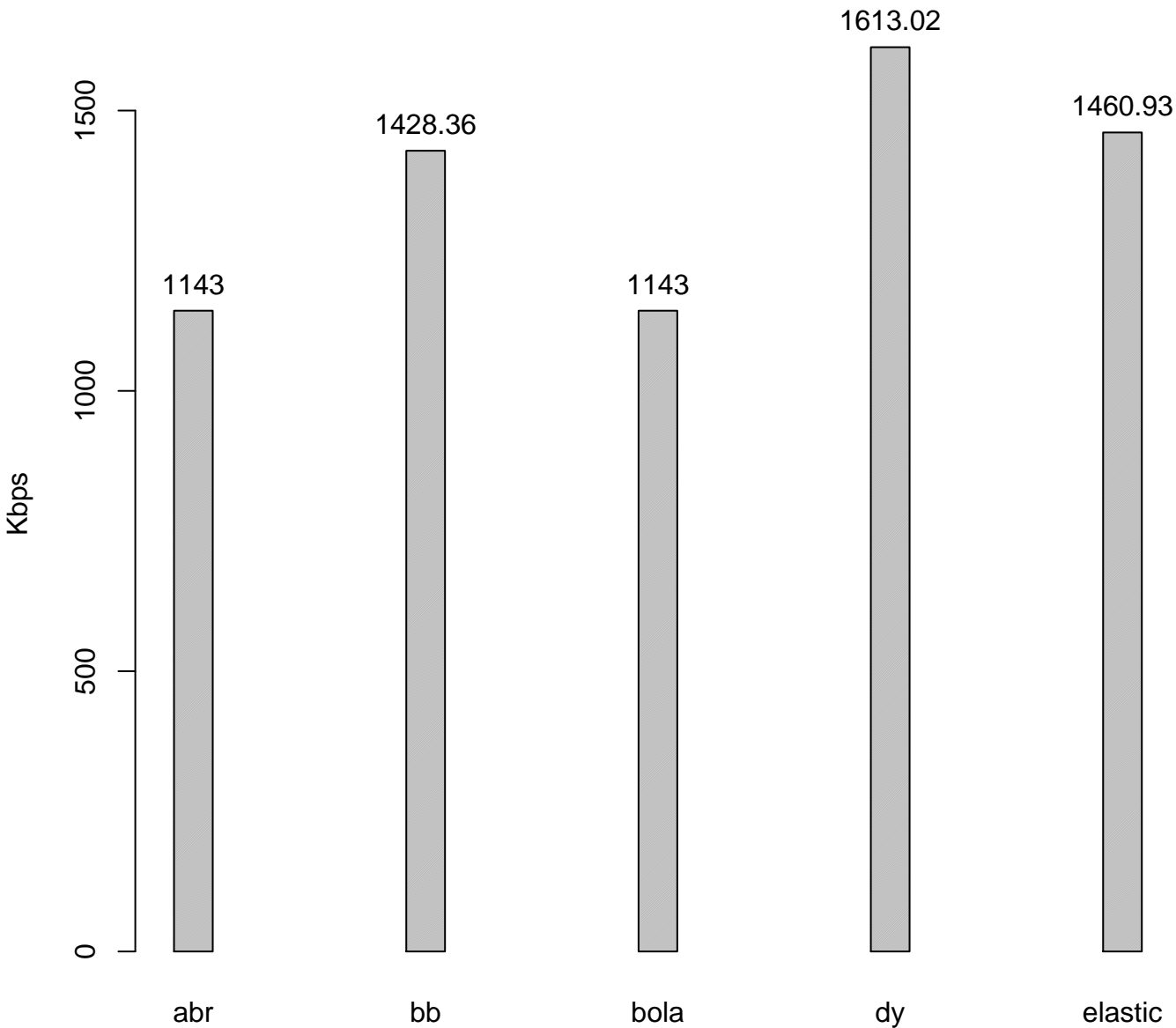**Buffer: 240   max: elastic**

Network profile: p4 Sample: t3 Metric: Inefficiency
Buffer: 240 min: abr

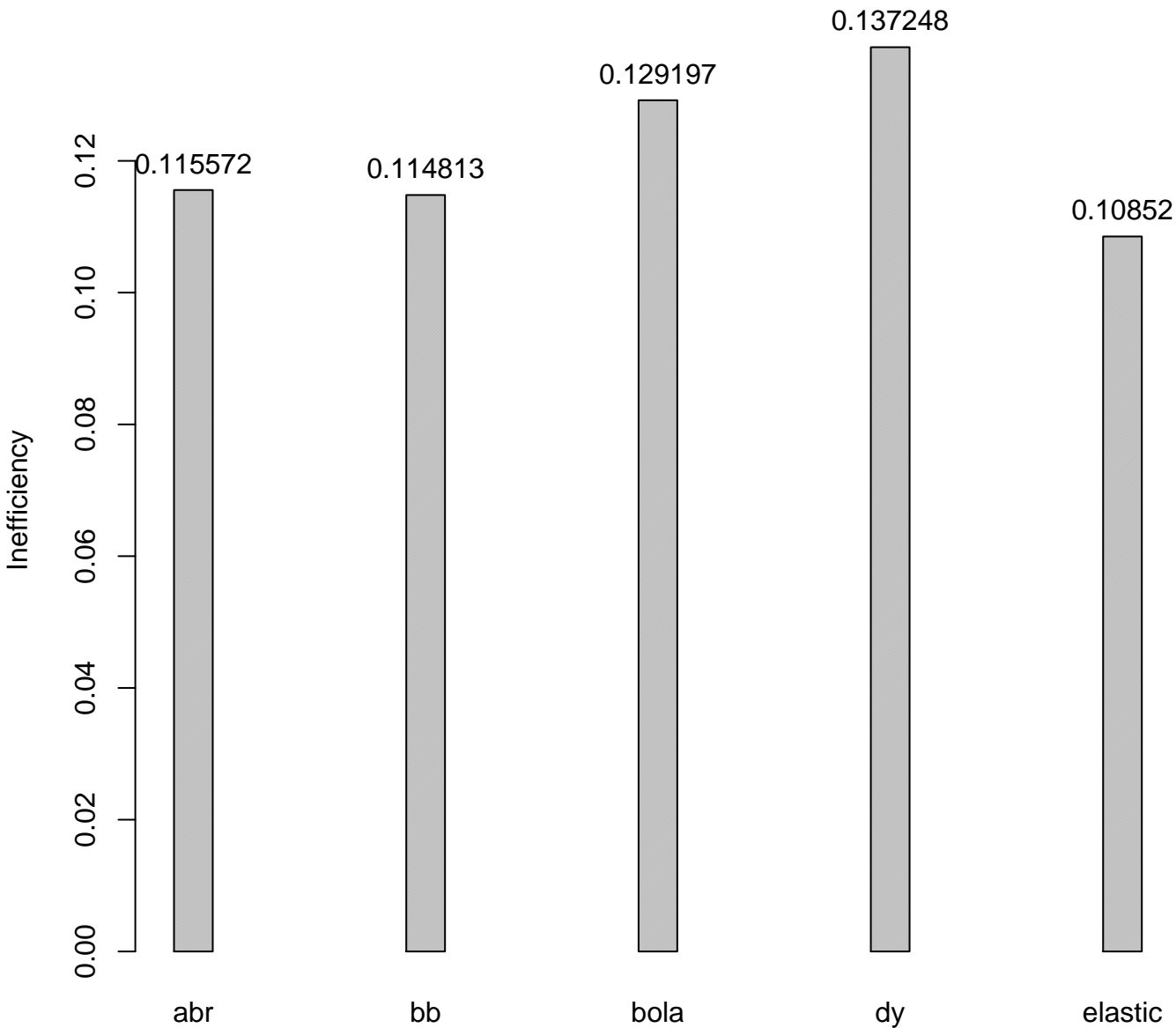**Network profile: p4 Sample: t3 Metric: # quality change**
Buffer: 240 min: abr

Network profile: p4 Sample: t4 Metric: Avg−Bitrate
Buffer: 240 max: dy

Network profile: p4 Sample: t4 Metric: Inefficiency
Buffer: 240 min: elastic

Inefficiency

0.115572 0.114813 0.129197 0.137248 0.10852

abr   bb   bola   dy   elastic

Network profile: p4 Sample: t4 Metric: # quality change
Buffer: 240 min: abr

Network profile: p4 Sample: t5 Metric: Avg−Bitrate
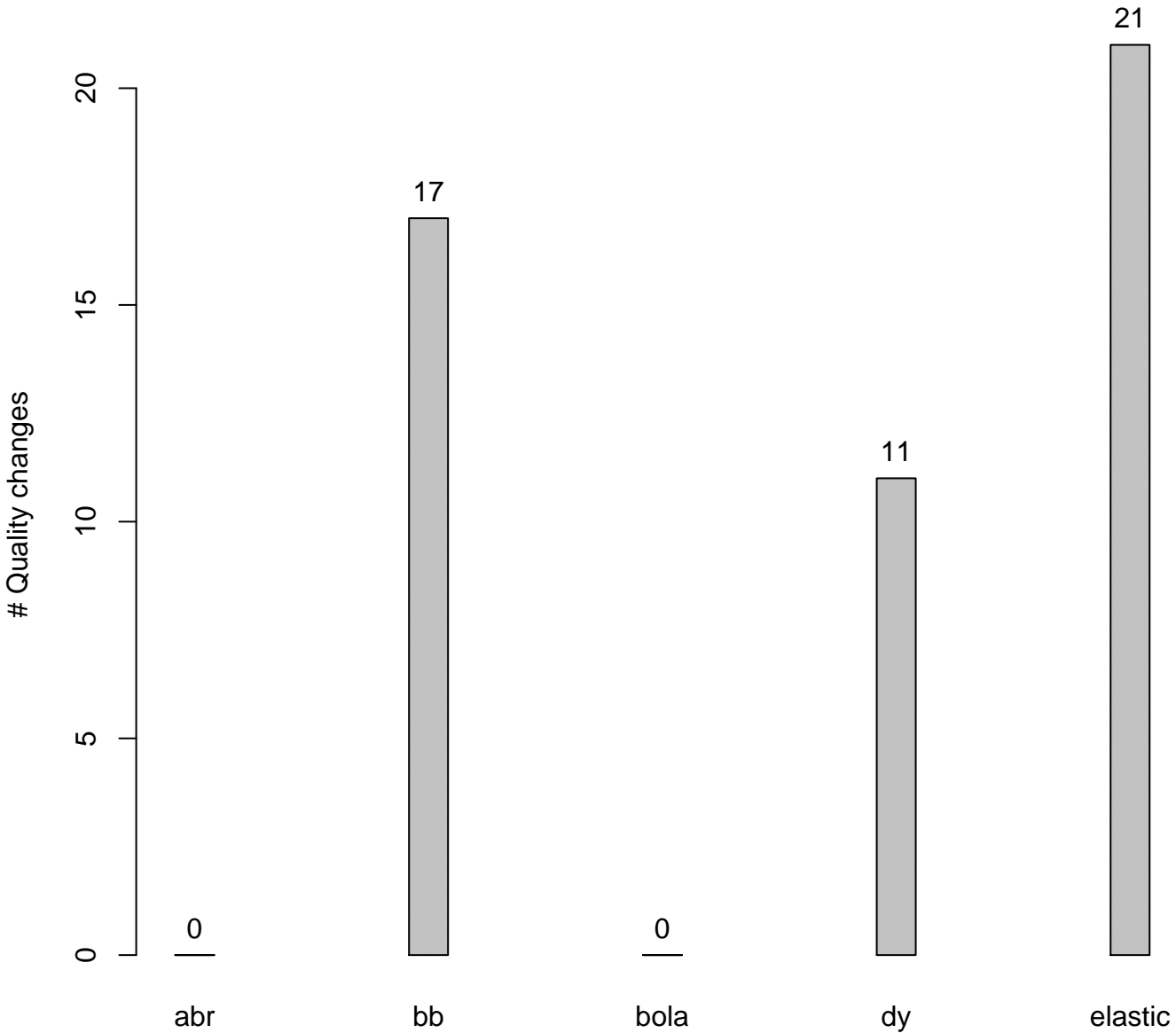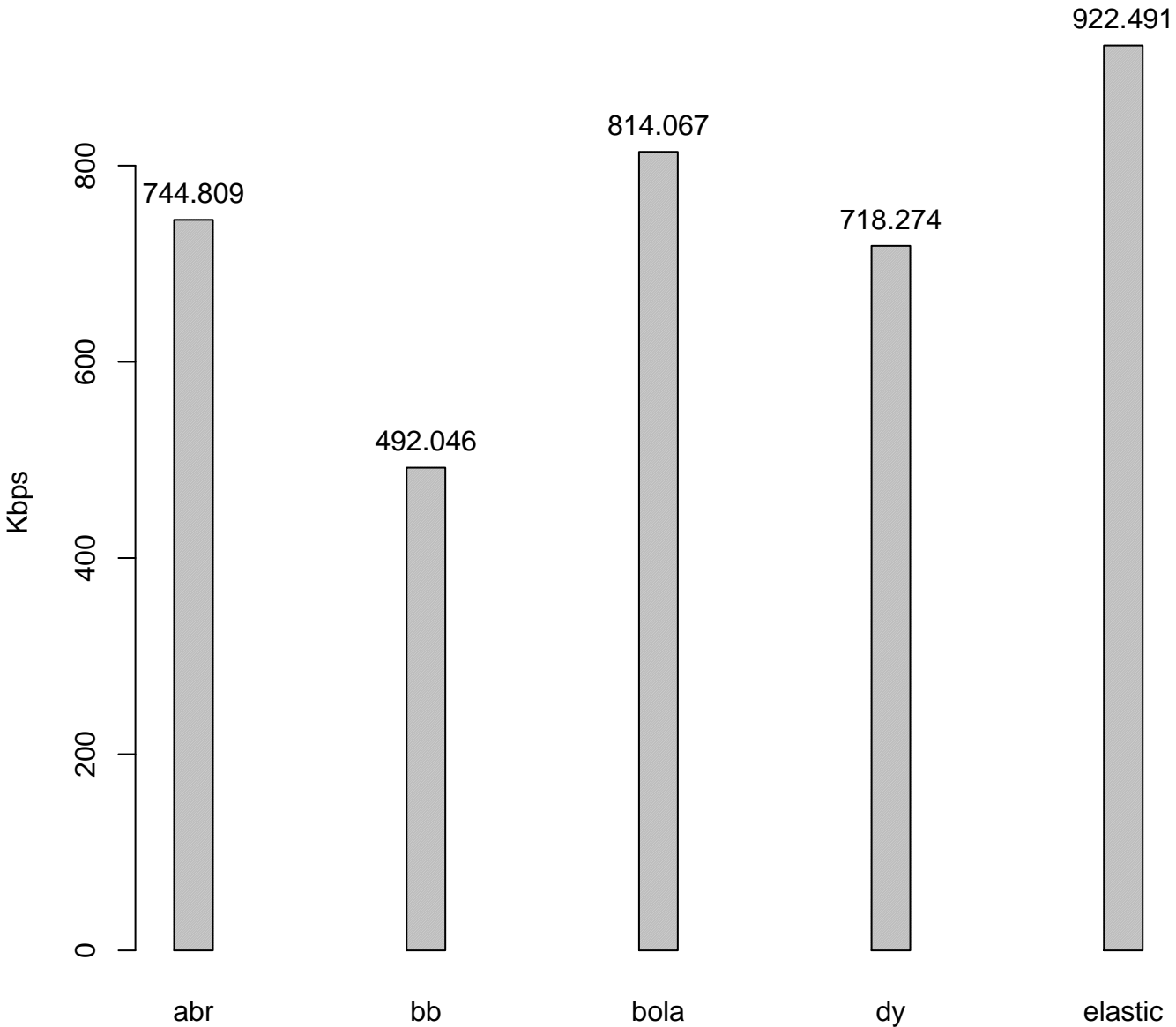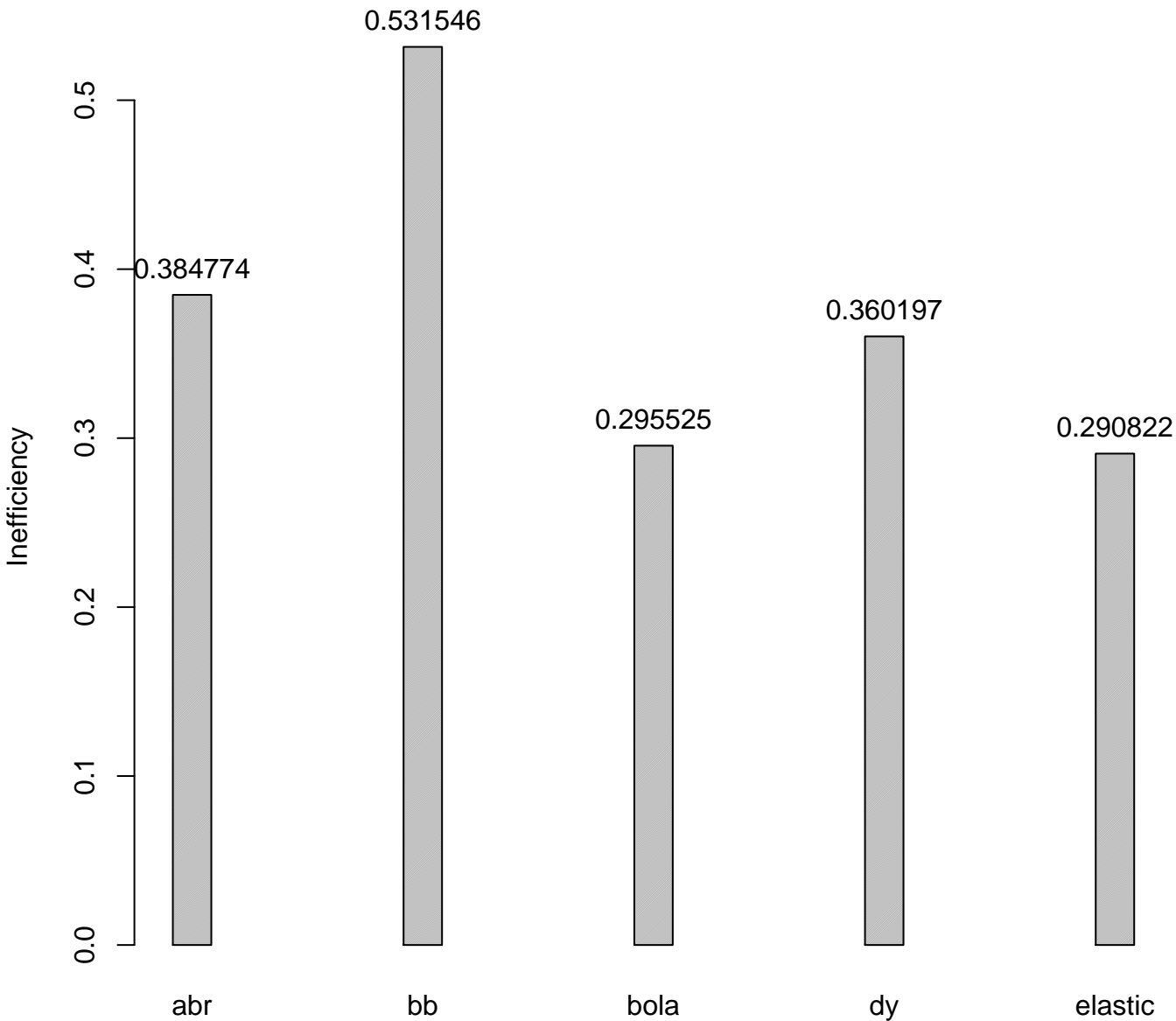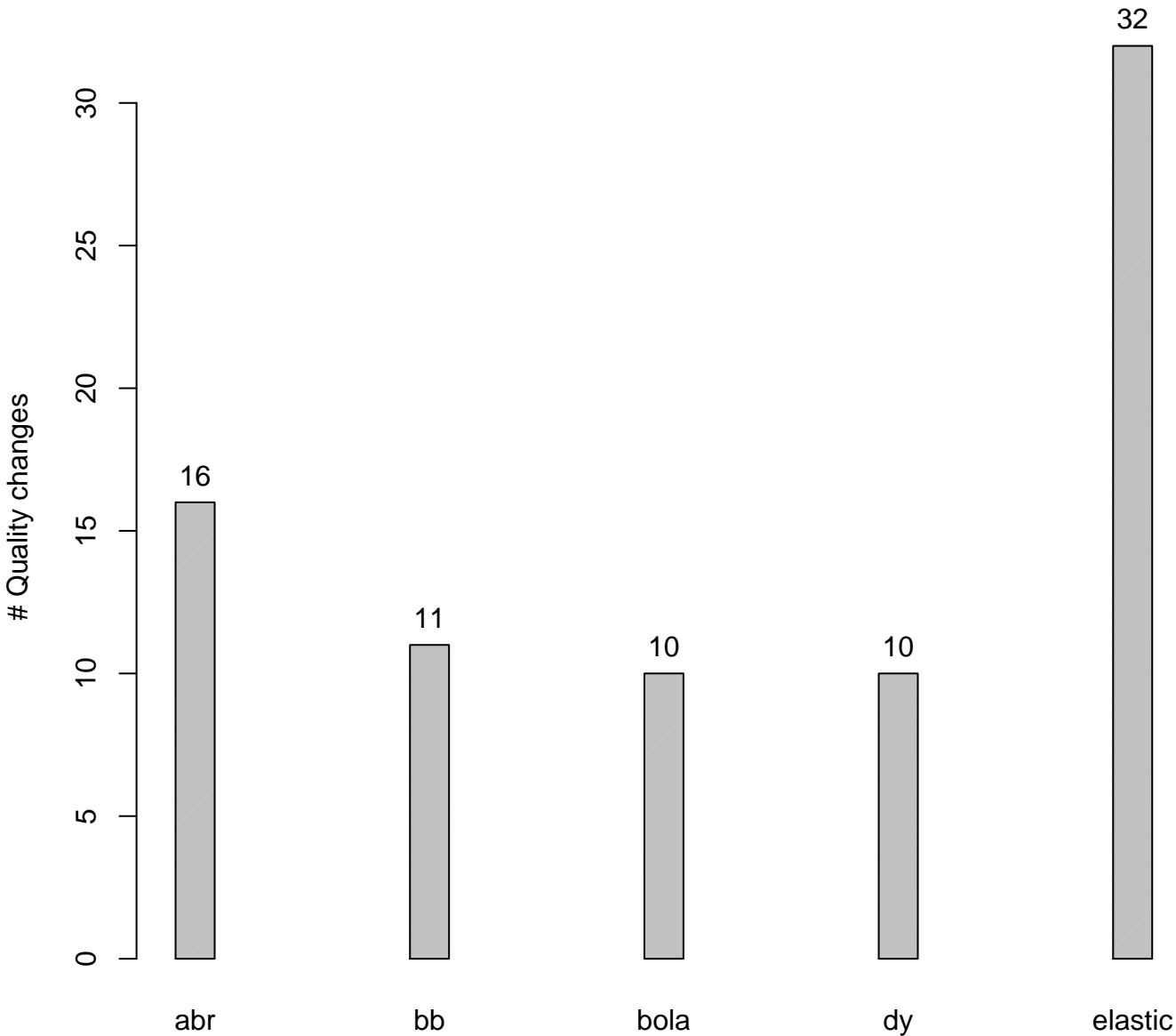**Buffer: 240   max: elastic**

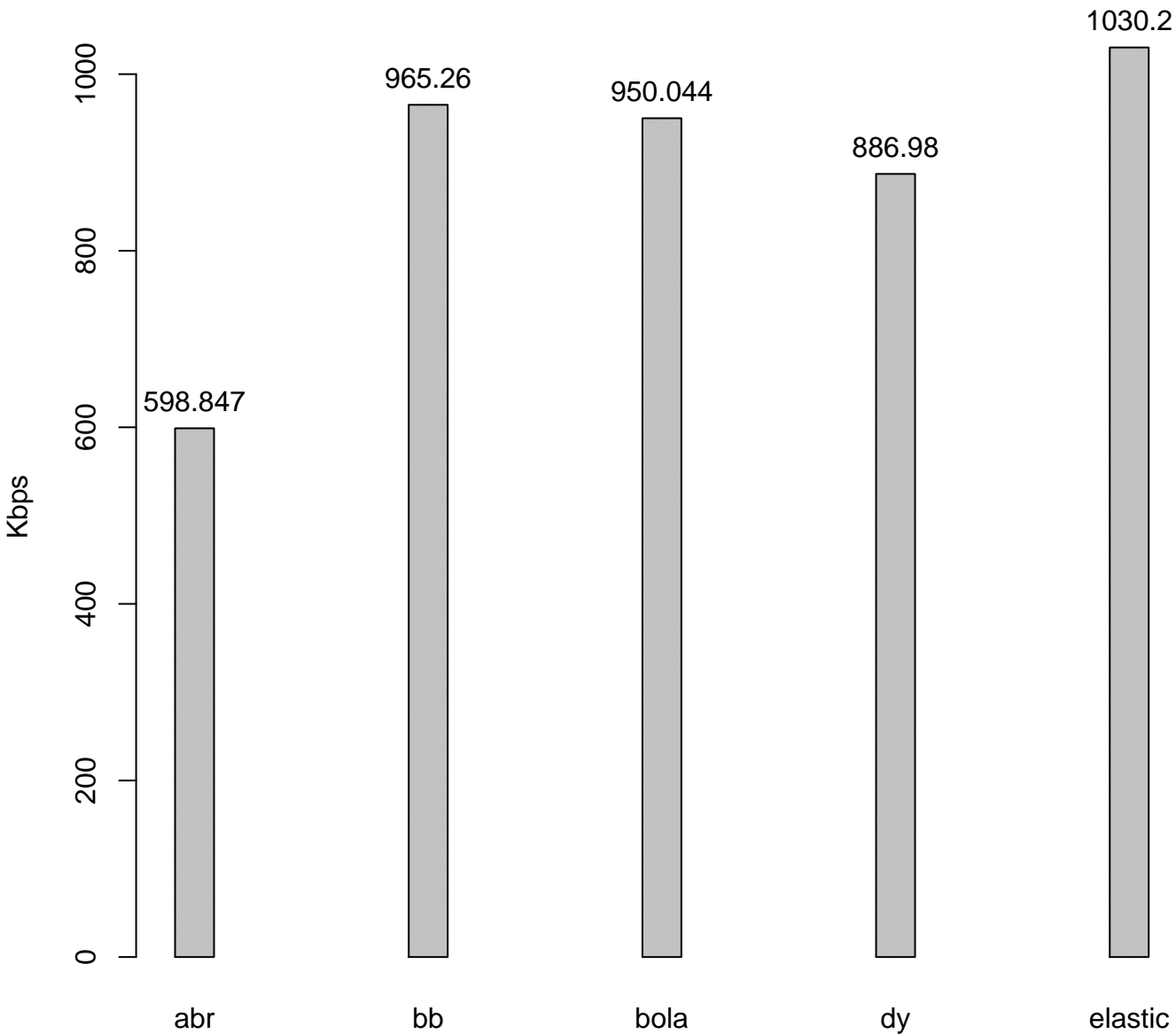**Network profile: p4 Sample: t5 Metric: Inefficiency**
Buffer: 240 min: elastic

Network profile: p4 Sample: t5 Metric: # quality change
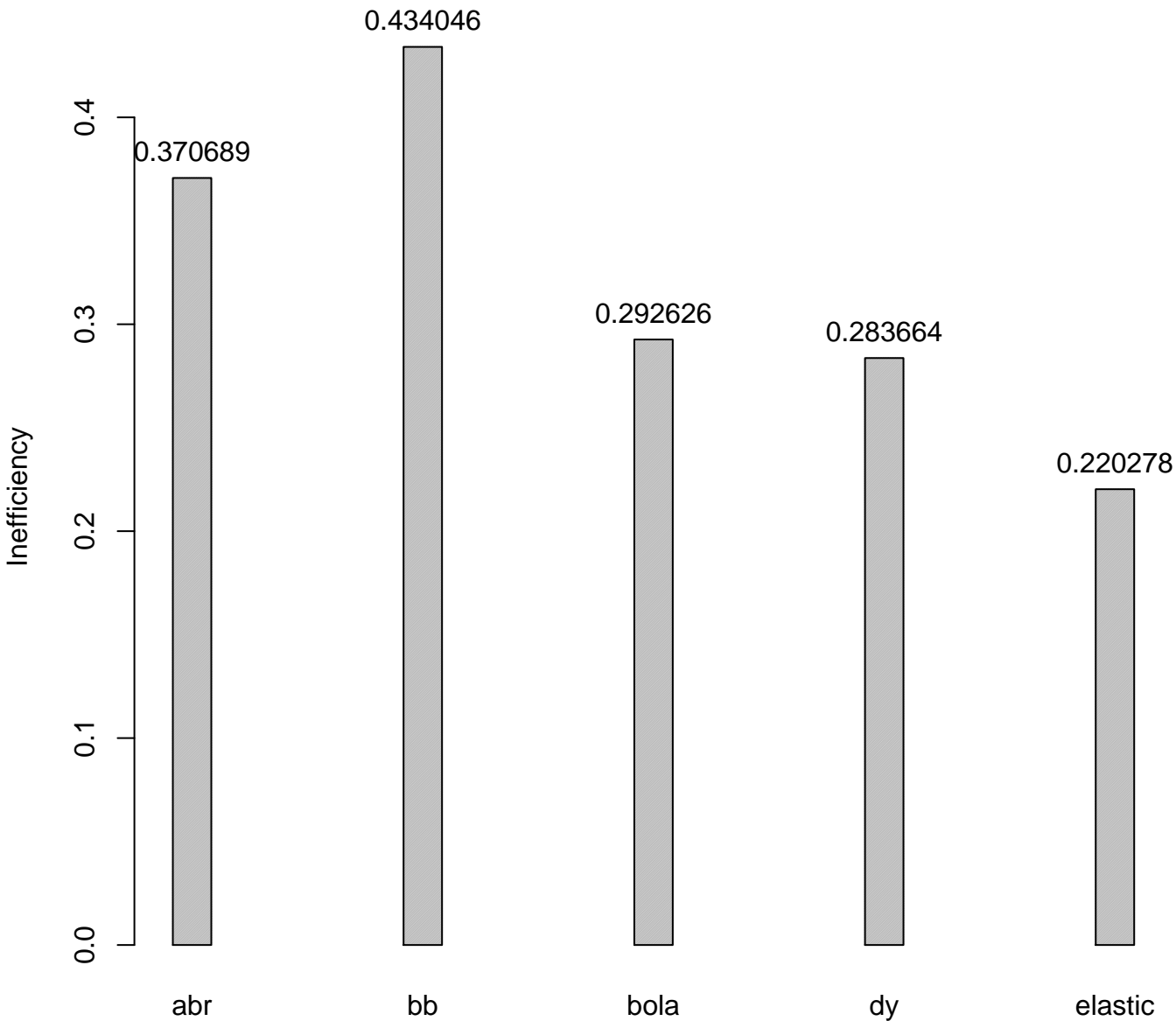**Buffer: 240 min: bola**

Network profile: p4 Sample: t6 Metric: Avg−Bitrate
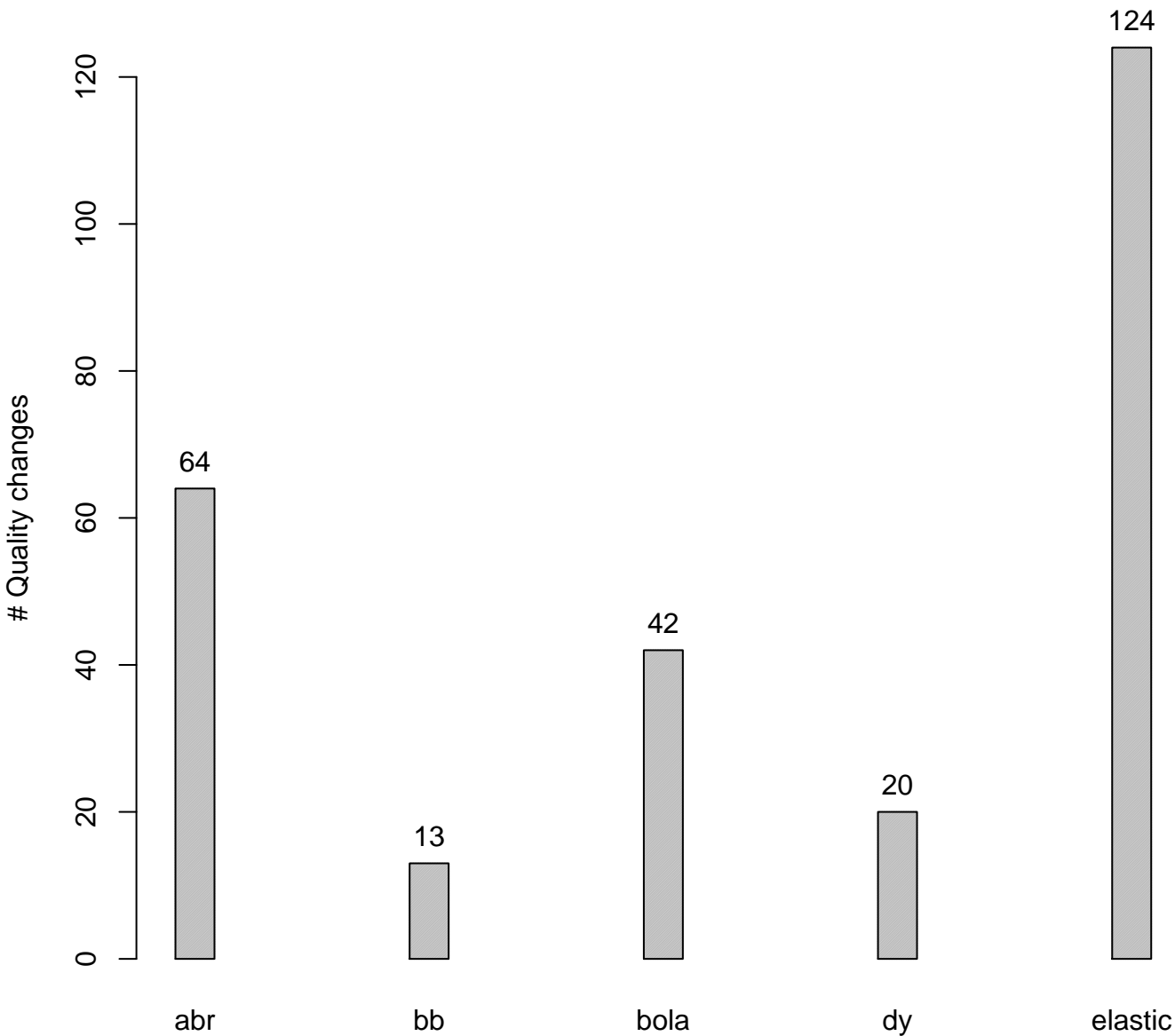**Buffer: 240   max: elastic**

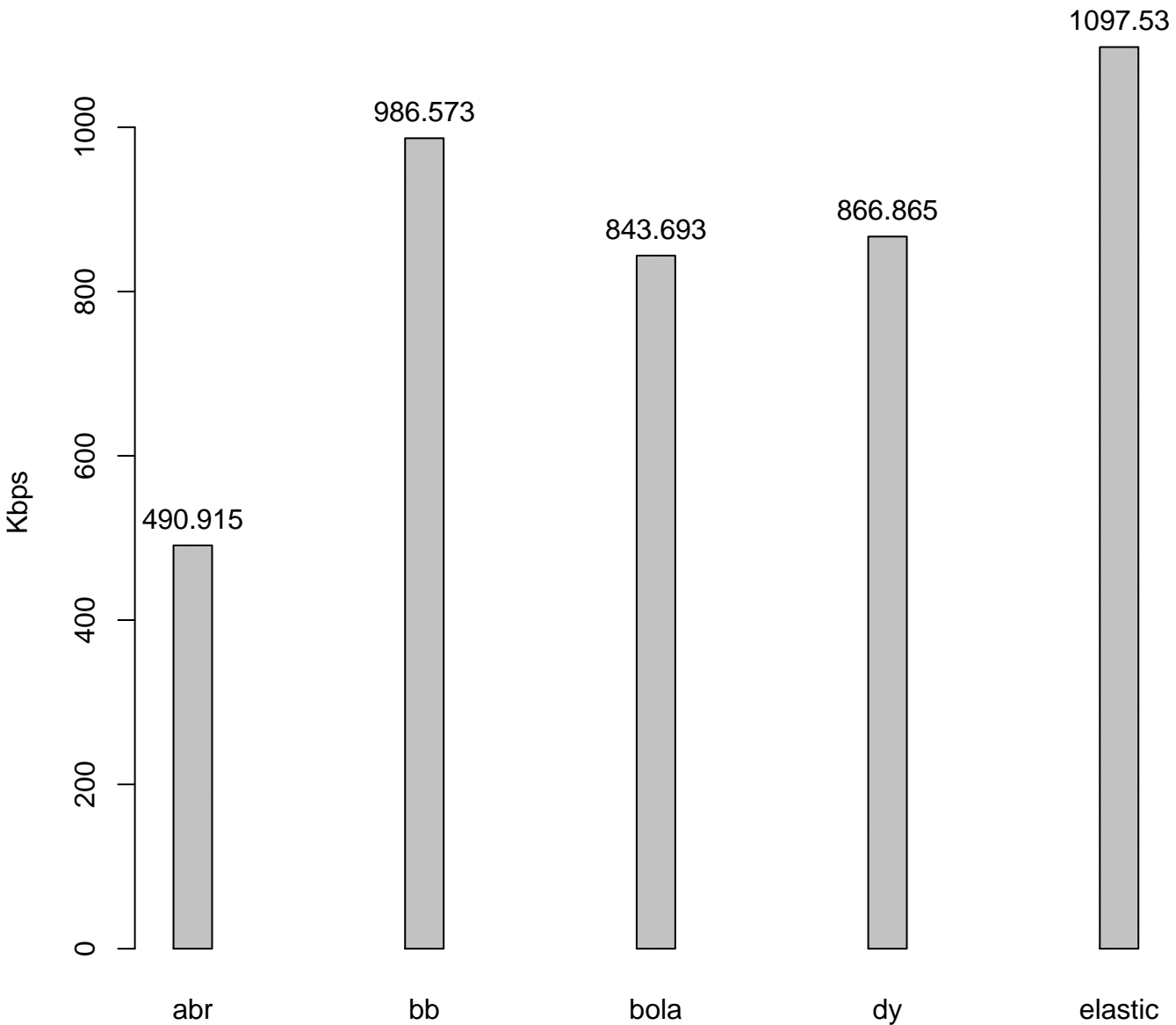**Network profile: p4 Sample: t6 Metric: Inefficiency**
Buffer: 240 min: elastic

Network profile: p4 Sample: t6 Metric: # quality change
Buffer: 240 min: bb

Network profile: p4 Sample: t7 Metric: Avg−Bitrate
Buffer: 240   max: elastic

Network profile: p4 Sample: t7 Metric: Inefficiency
Buffer: 240 min: elastic

Network profile: p4 Sample: t7 Metric: # quality change
Buffer: 240 min: bb