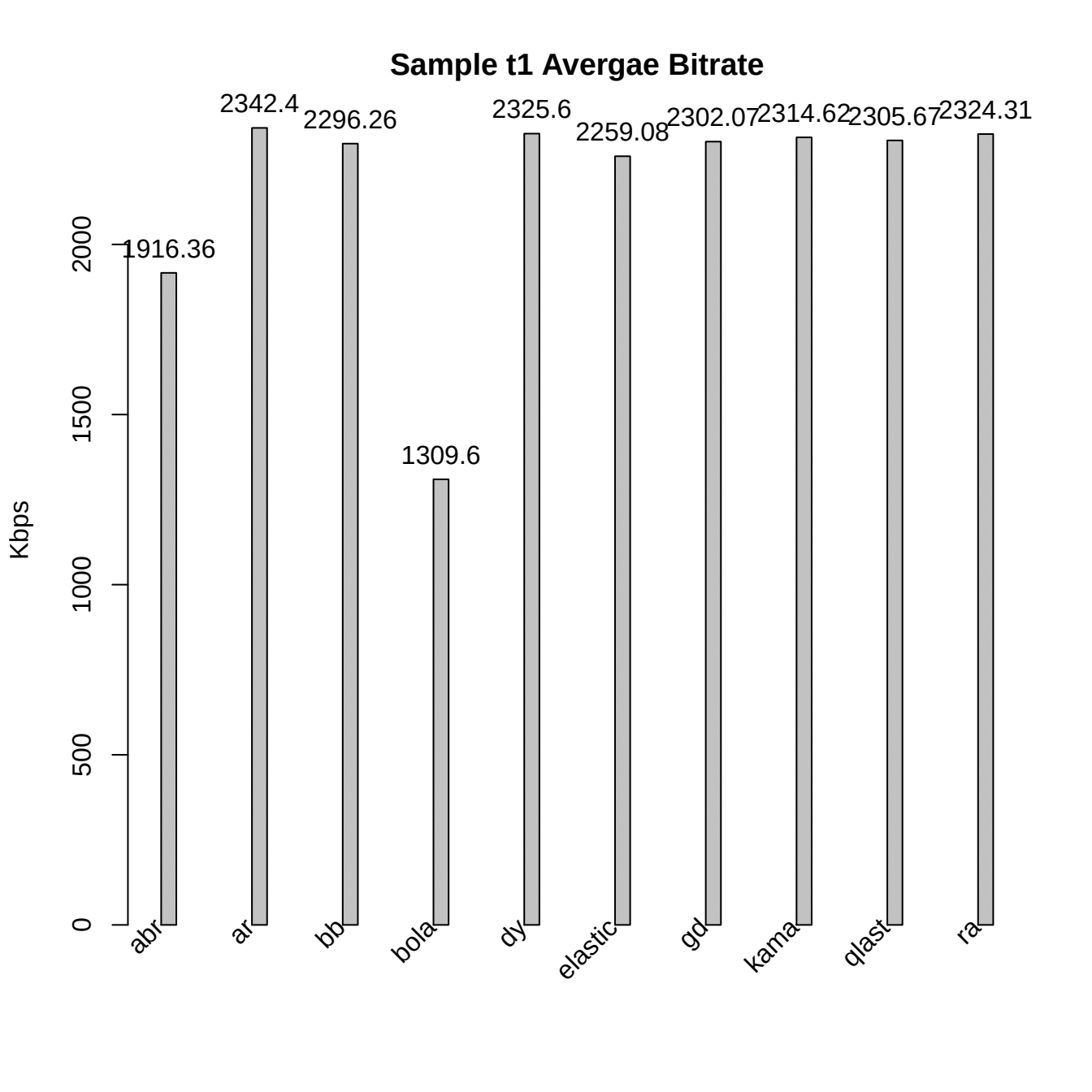
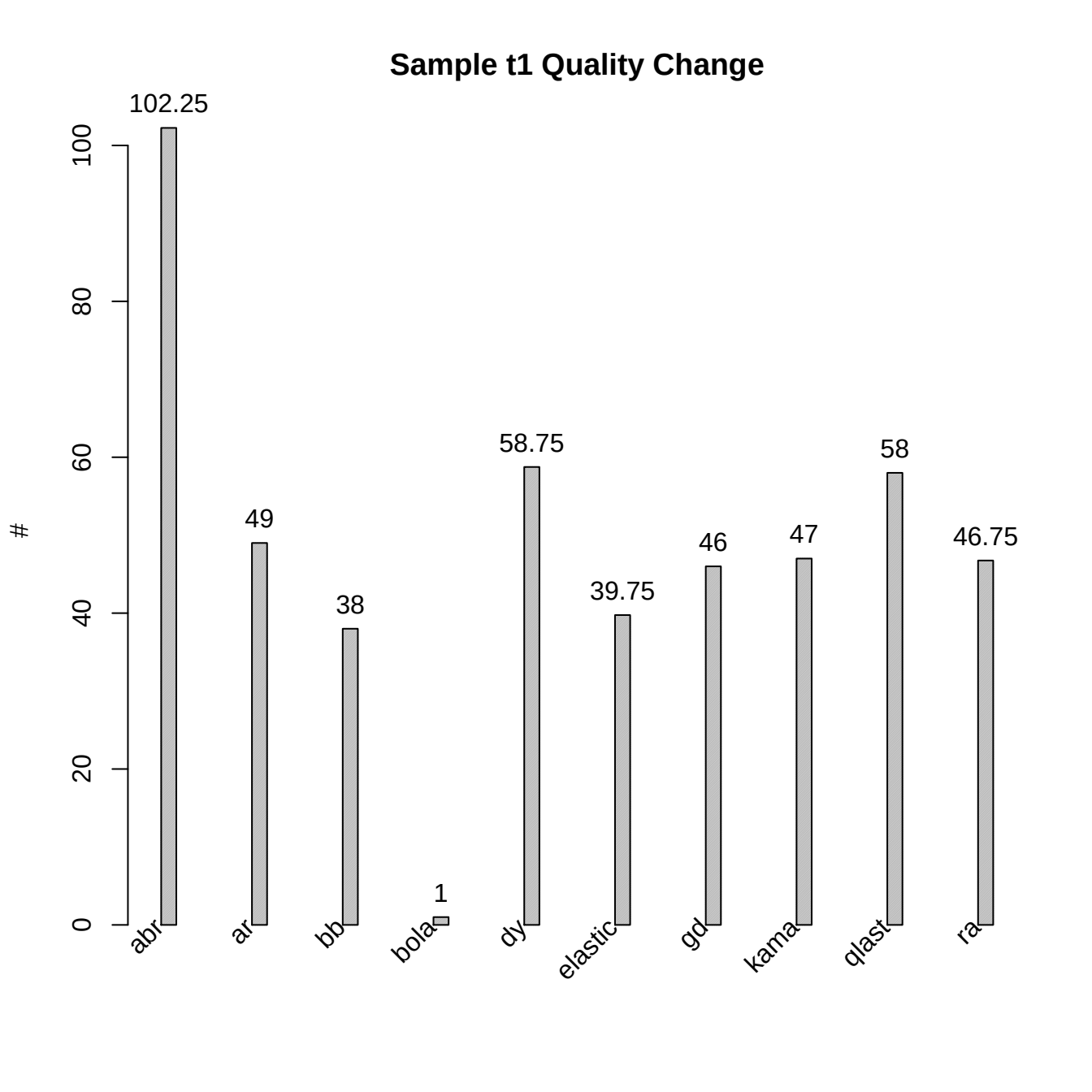
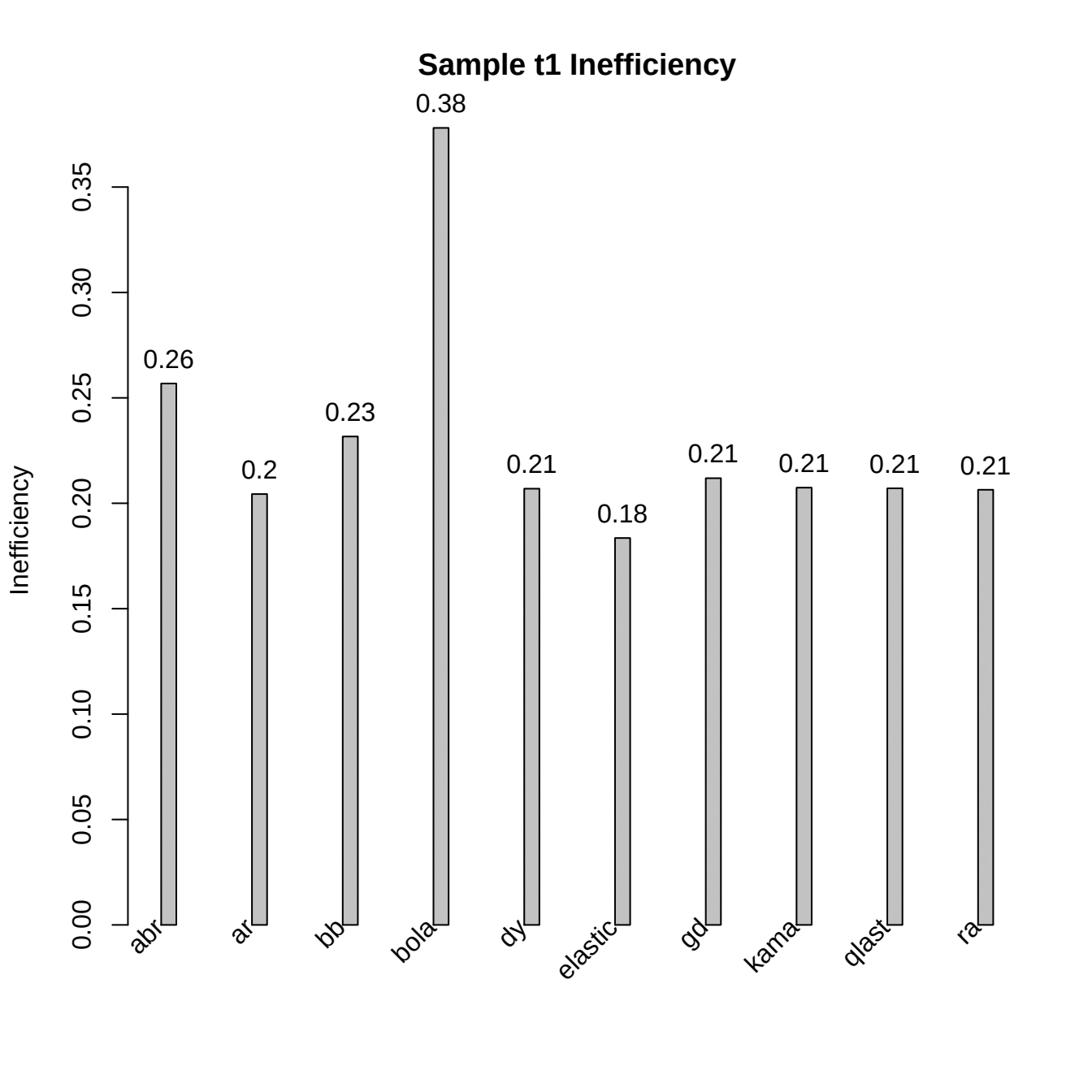
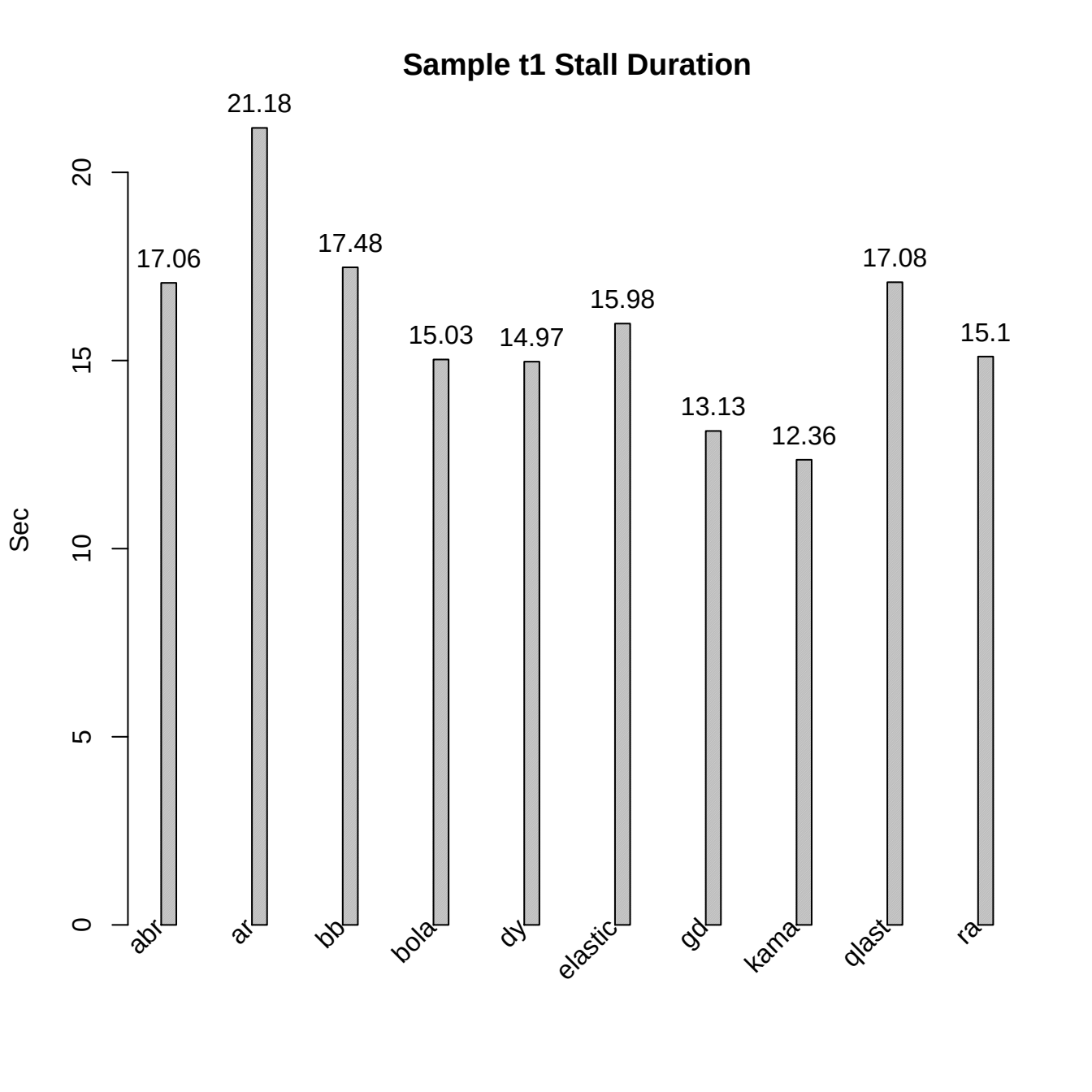
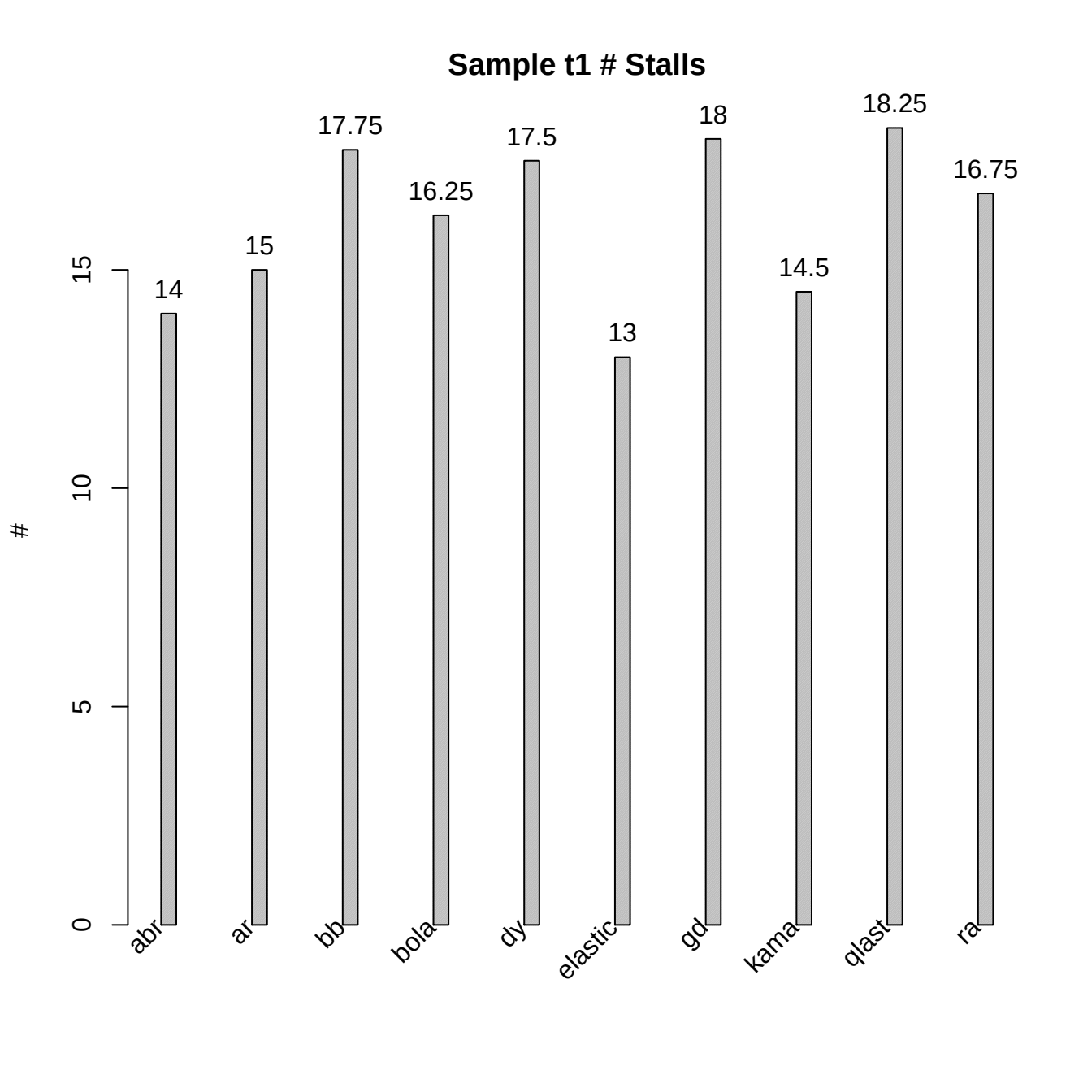
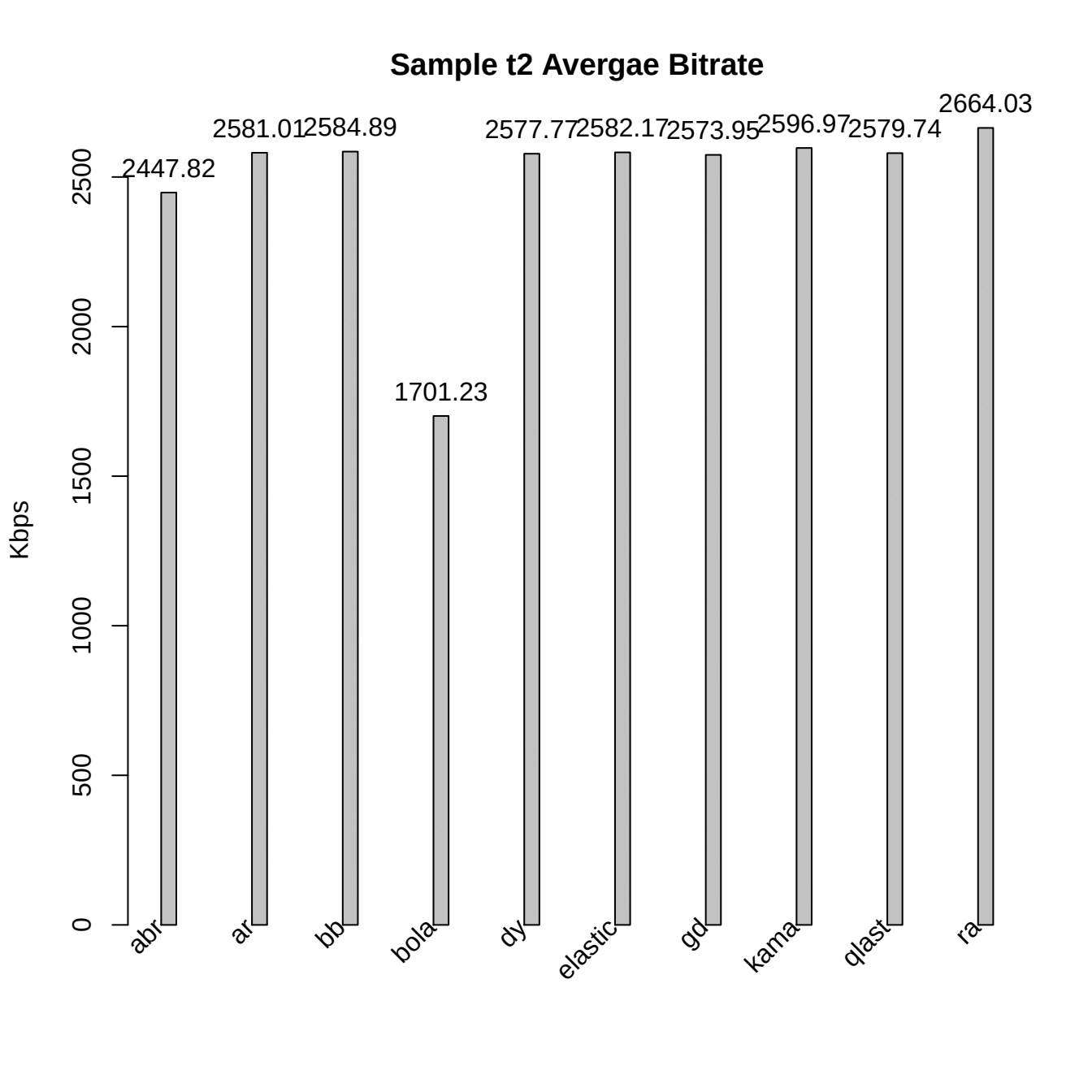

Sample t1 Avergae Bitrate
Kbps
0
500
1000
1500
2000
1916.36
2342.4
2296.26
1309.6
2325.6
2259.08
2302.07
2314.62
2305.67
2324.31
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

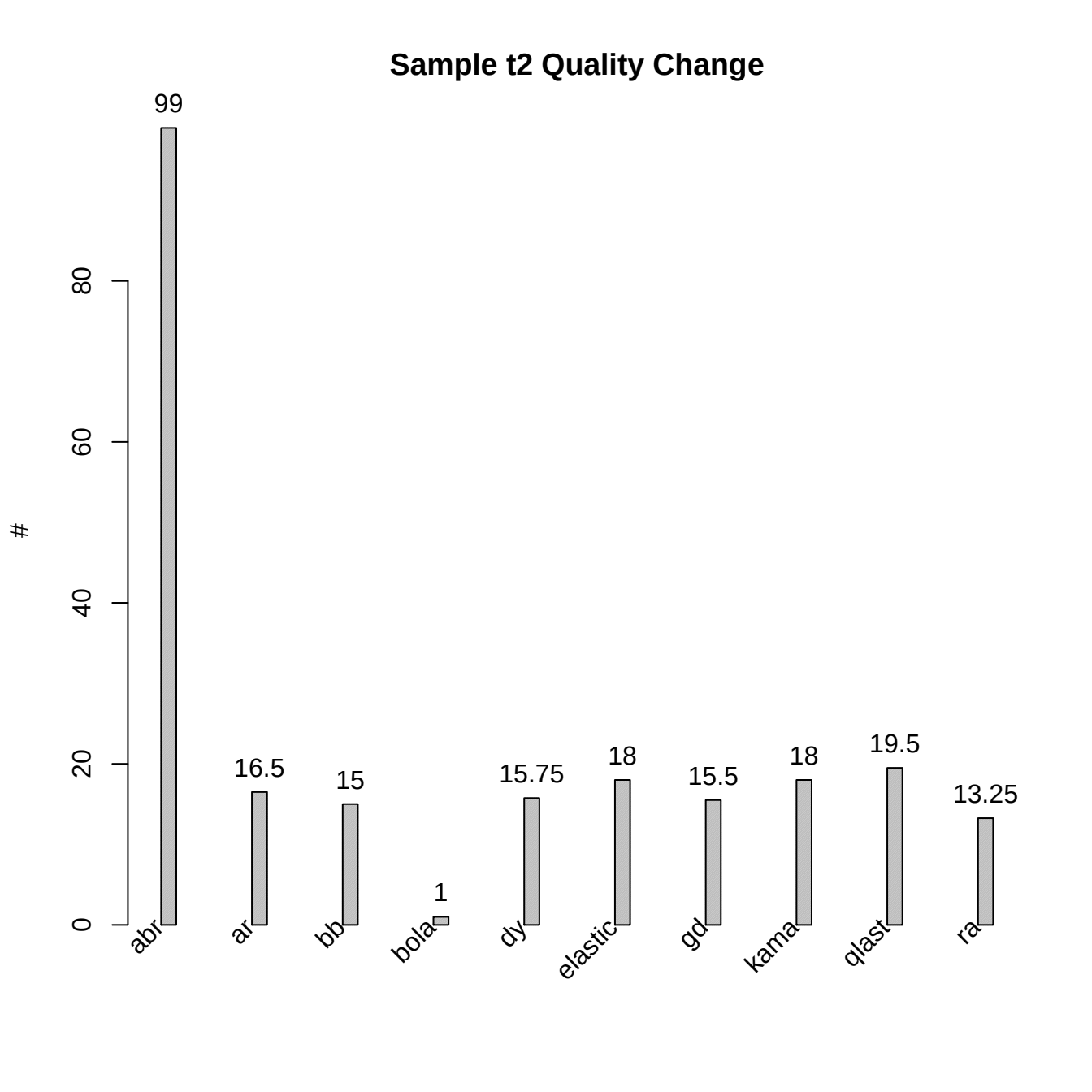

Sample t1 Quality Change
#
0
20
40
60
80
100
102.25
49
38
1
58.75
39.75
46
47
58
46.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

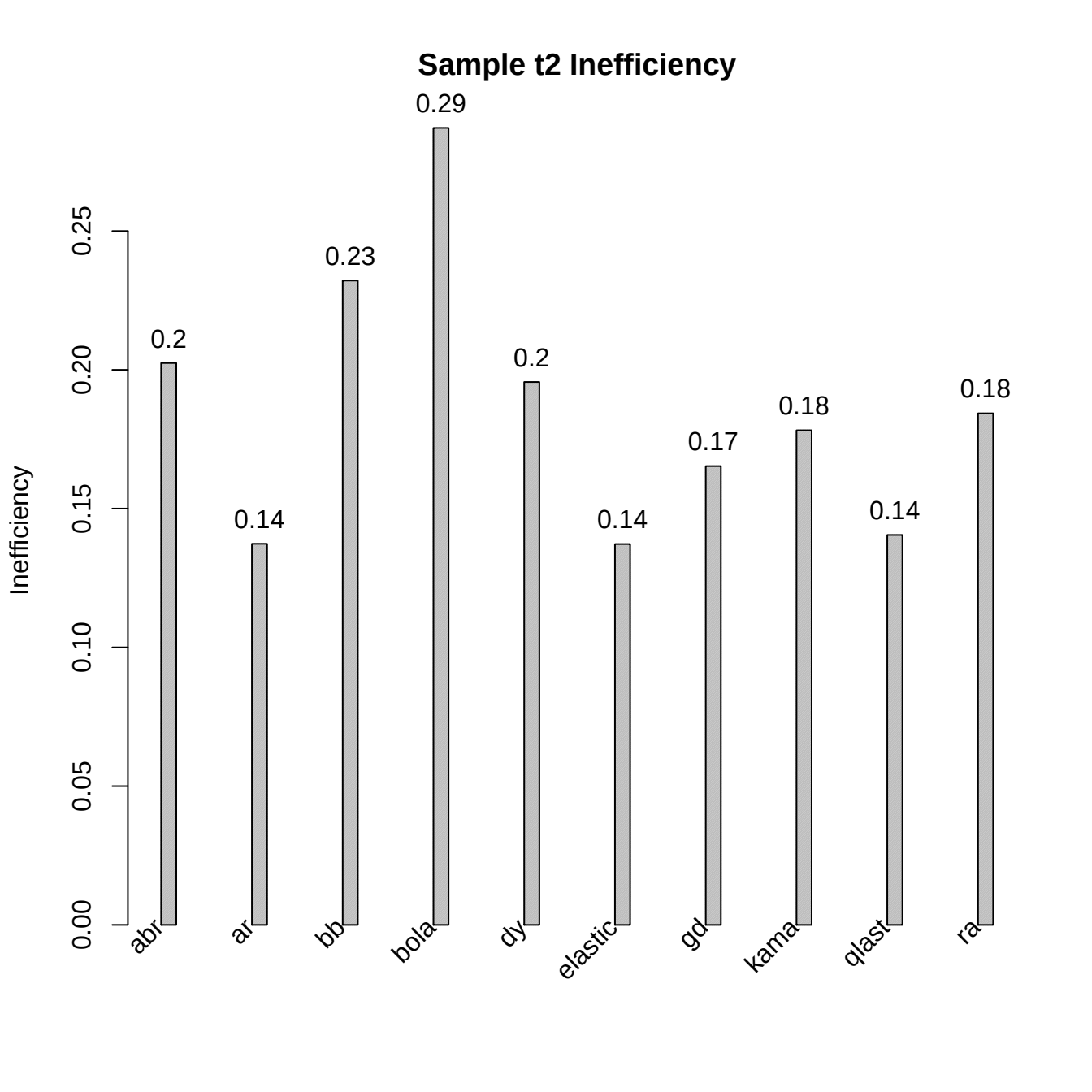

Sample t1 Inefficiency
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.26
0.2
0.23
0.38
0.21
0.18
0.21
0.21
0.21
0.21
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

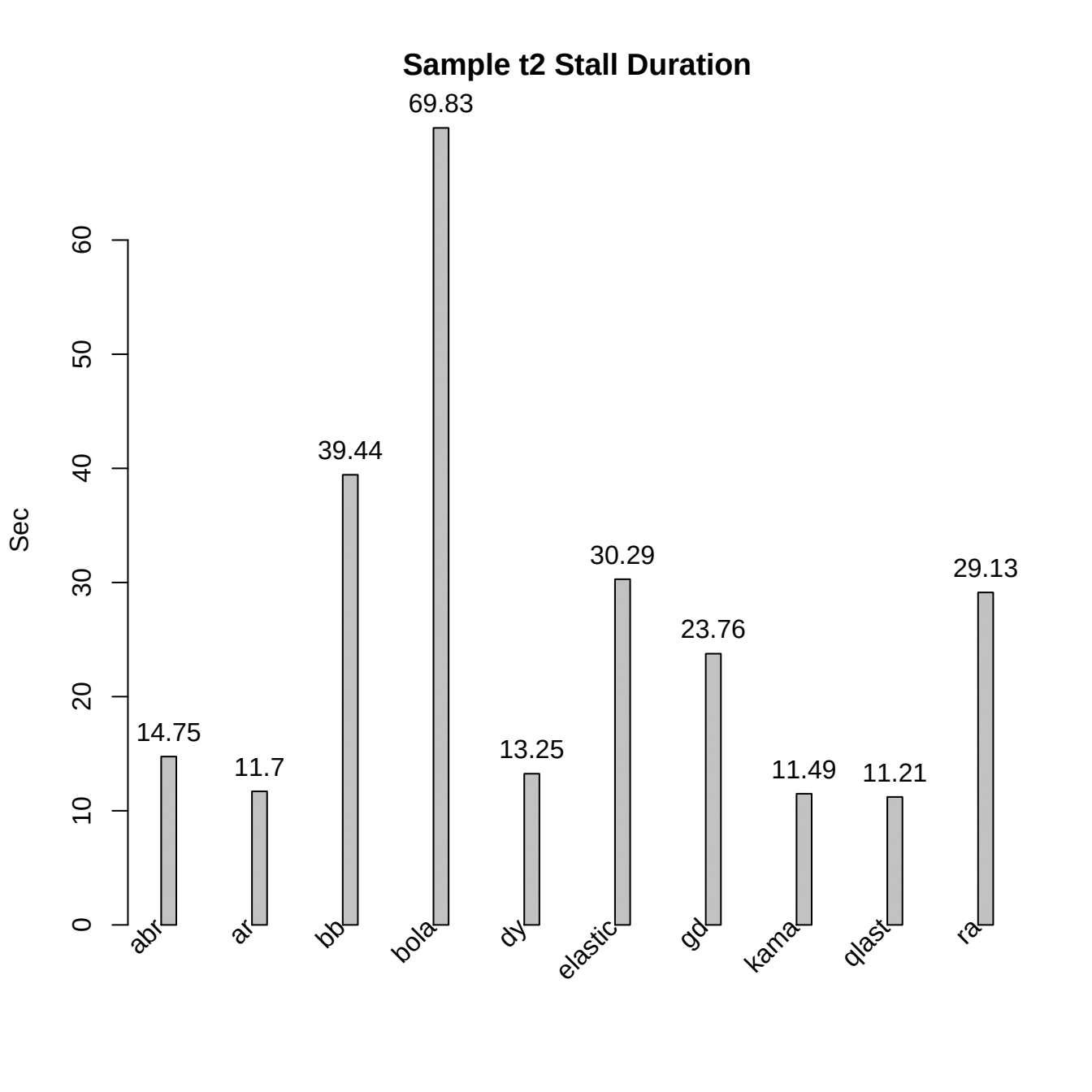

Sample t1 Stall Duration
Sec
0
5
10
15
20
17.06
21.18
17.48
15.03
14.97
15.98
13.13
12.36
17.08
15.1
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

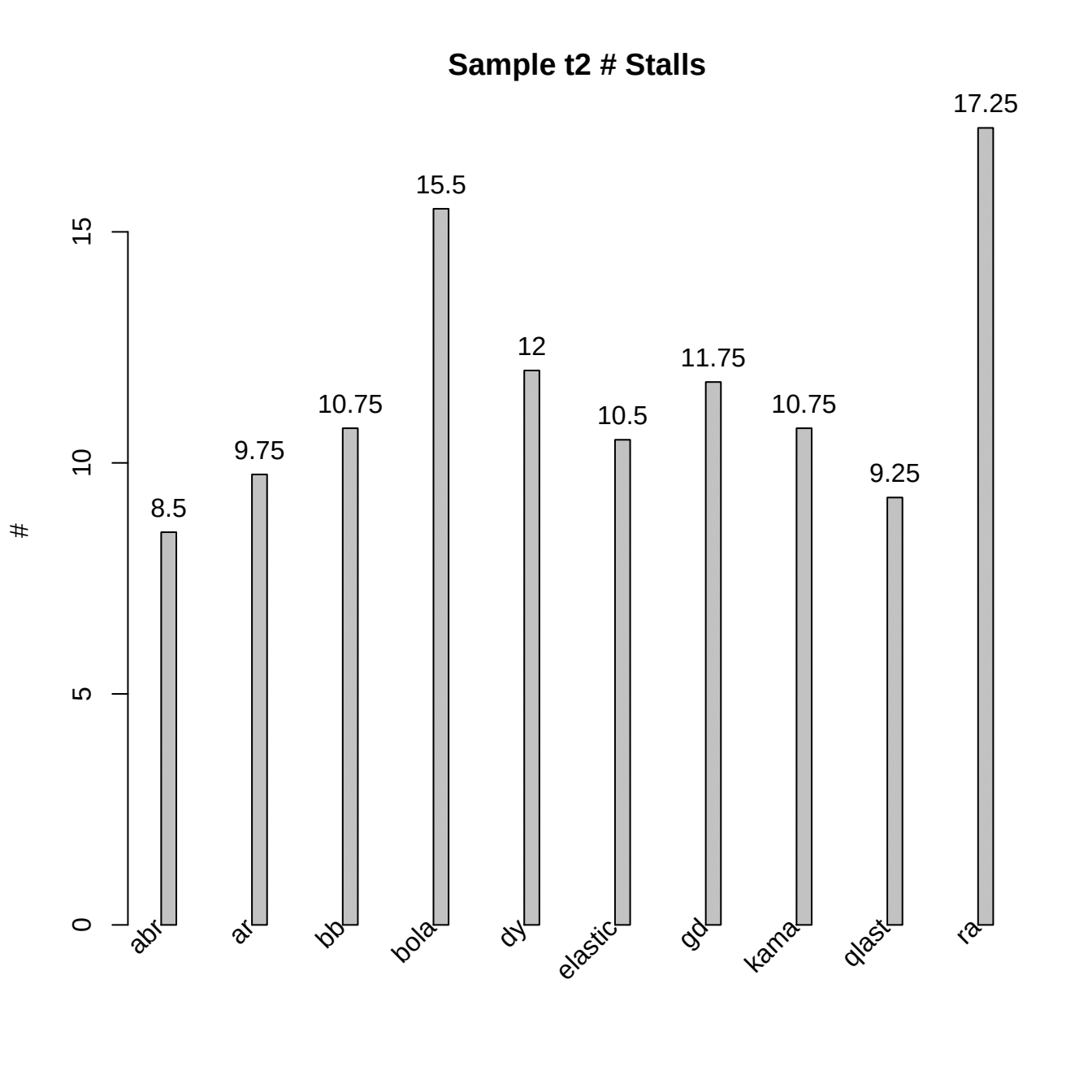

Sample t1 # Stalls
#
0
5
10
15
14
15
17.75
16.25
17.5
13
18
14.5
18.25
16.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

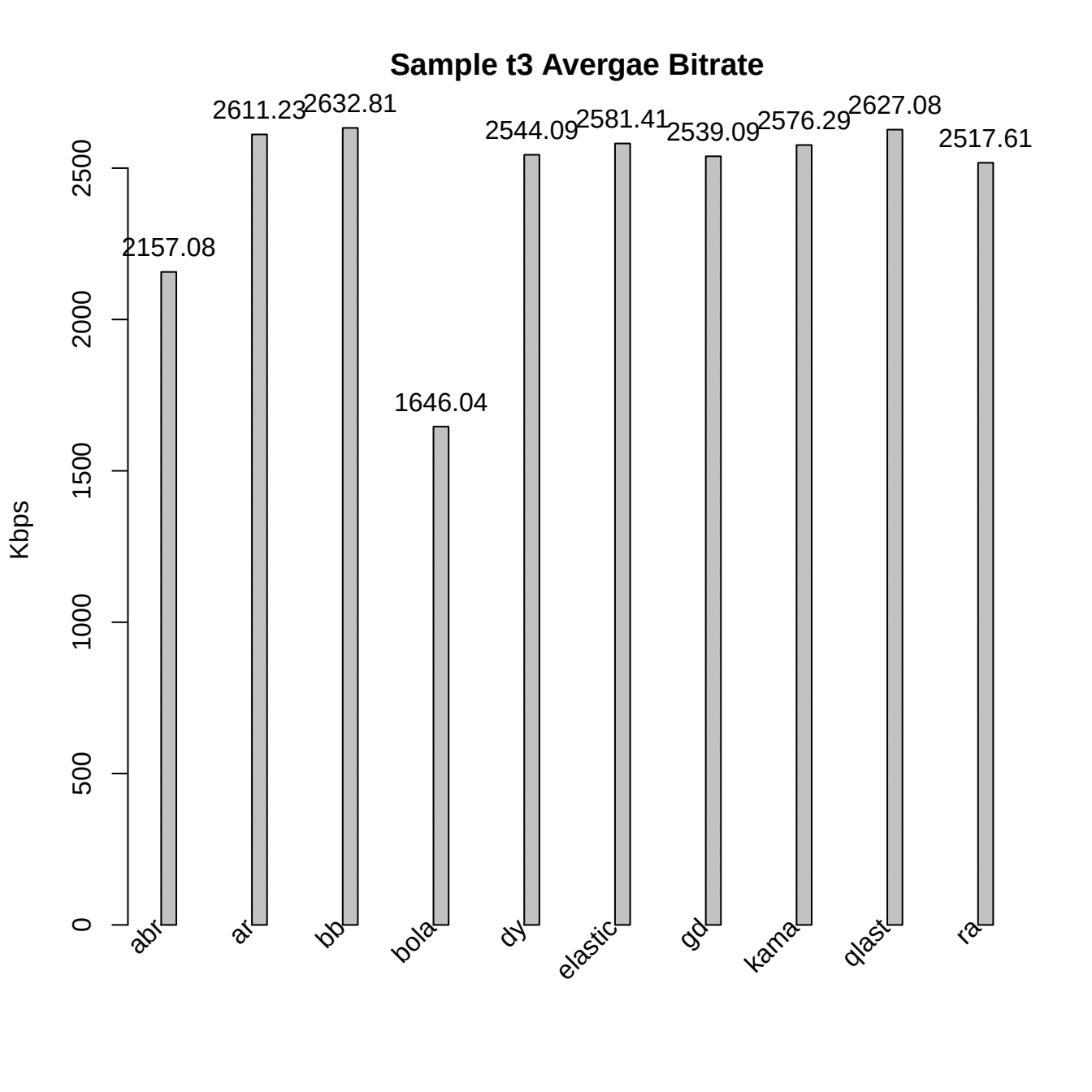

Sample t2 Avergae Bitrate
Kbps
0
500
1000
1500
2000
2500
2447.82
2581.01
2584.89
1701.23
2577.77
2582.17
2573.95
2596.97
2579.74
2664.03
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

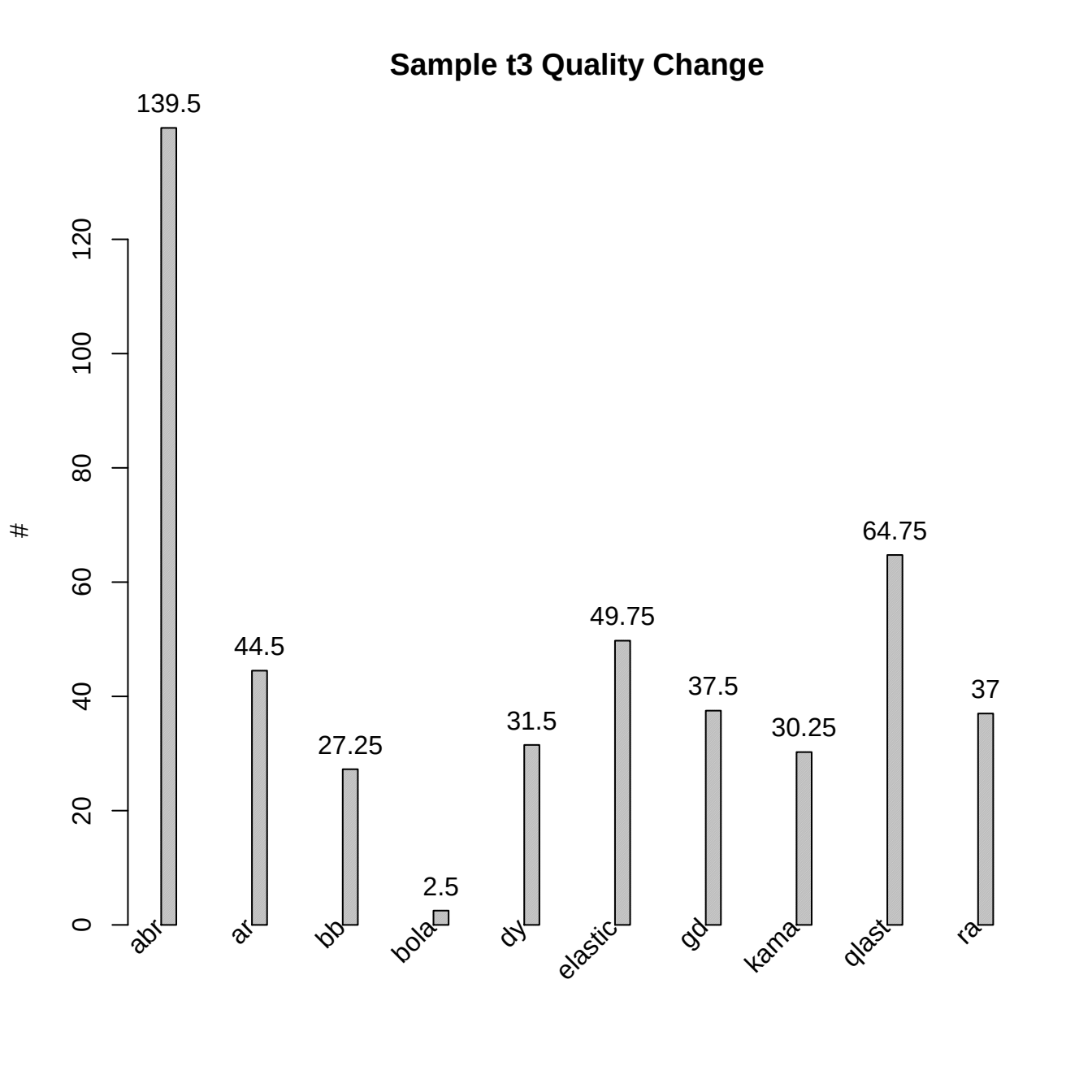

Sample t2 Quality Change
#
0
20
40
60
80
99
16.5
15
1
15.75
18
15.5
18
19.5
13.25
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

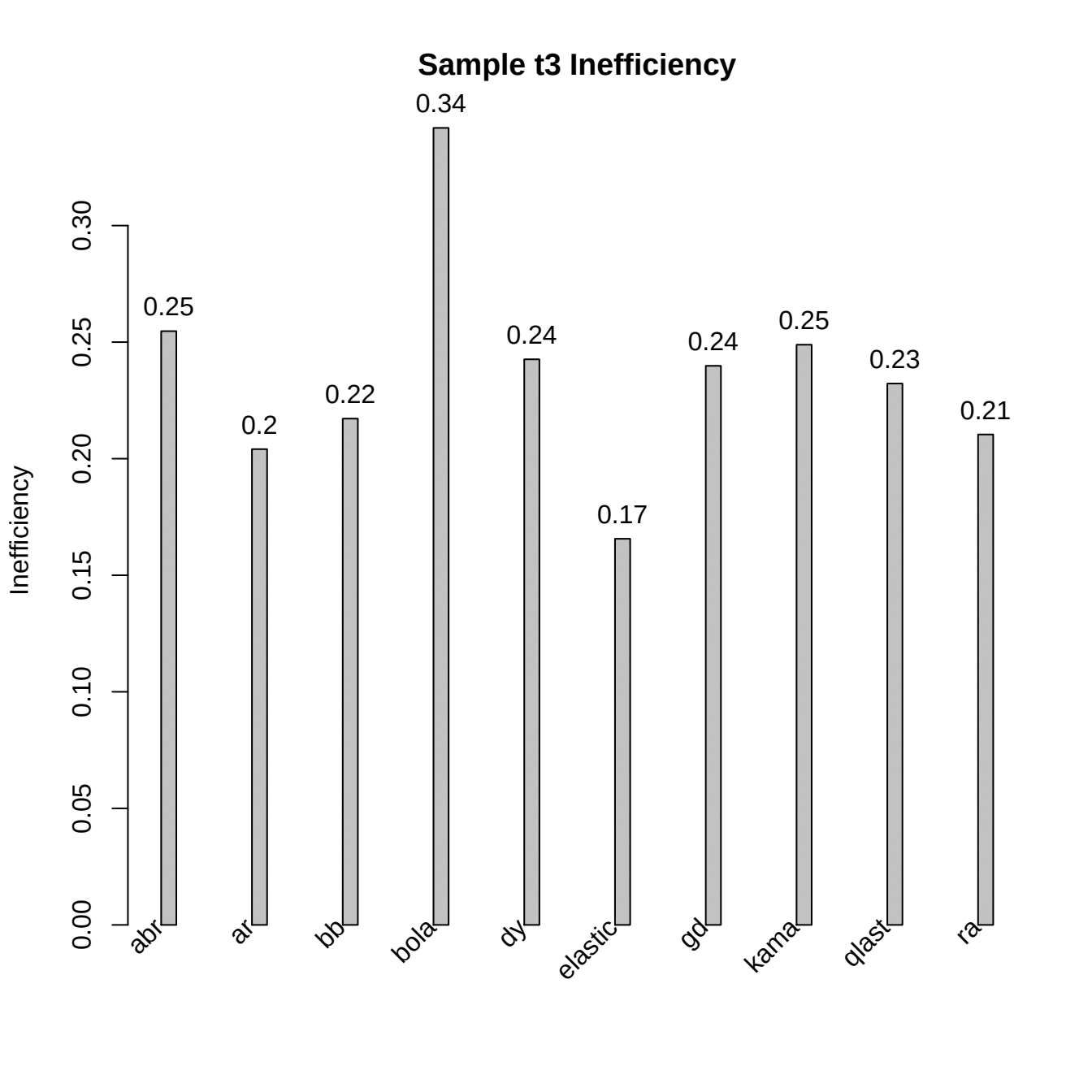

Sample t2 Inefficiency
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.2
0.14
0.23
0.29
0.2
0.14
0.17
0.18
0.14
0.18
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

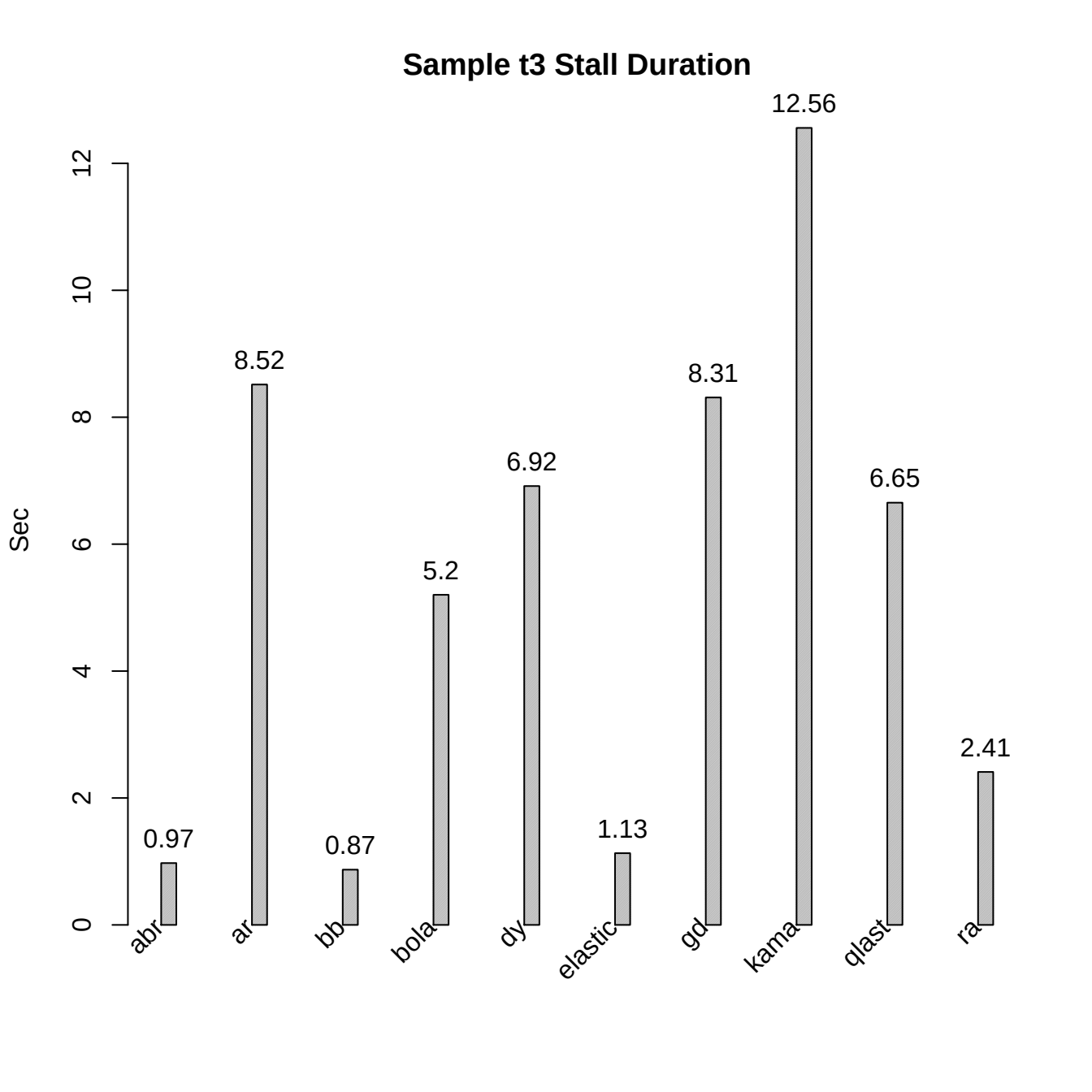

Sample t2 Stall Duration
Sec
0
10
20
30
40
50
60
14.75
11.7
39.44
69.83
13.25
30.29
23.76
11.49
11.21
29.13
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

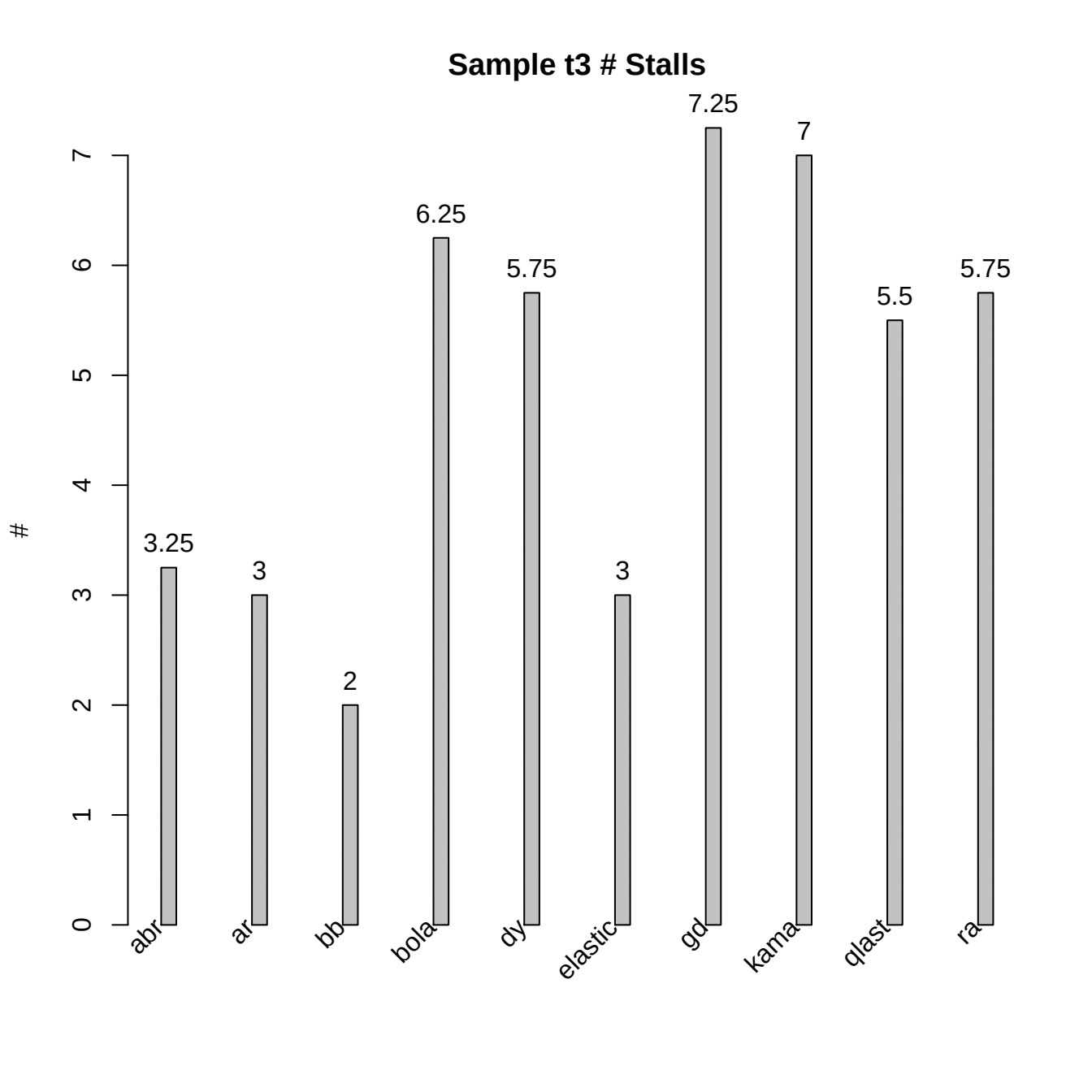

Sample t2 # Stalls
#
0
5
10
15
8.5
9.75
10.75
15.5
12
10.5
11.75
10.75
9.25
17.25
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

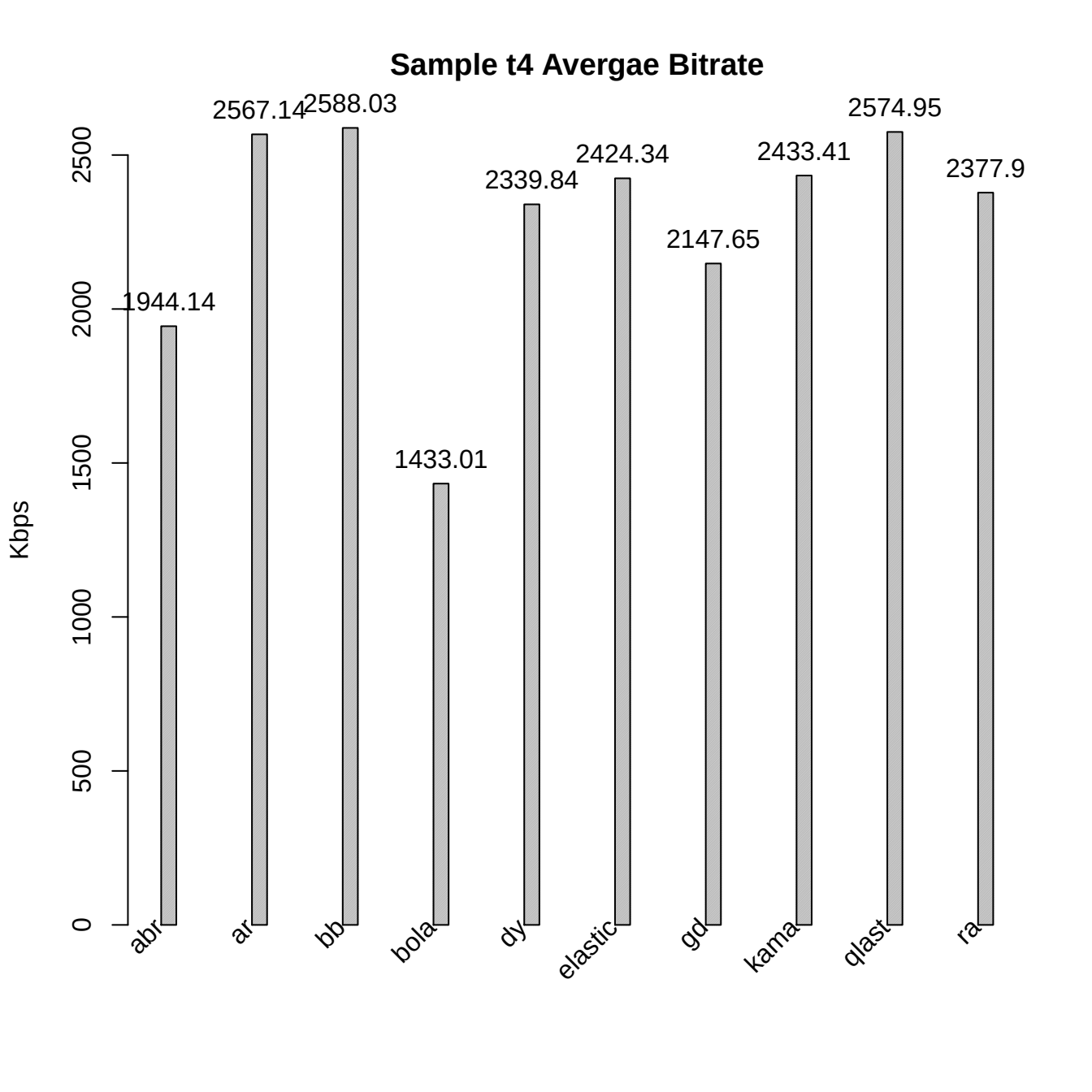

Sample t3 Avergae Bitrate
Kbps
0
500
1000
1500
2000
2500
2157.08
2611.23
2632.81
1646.04
2544.09
2581.41
2539.09
2576.29
2627.08
2517.61
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

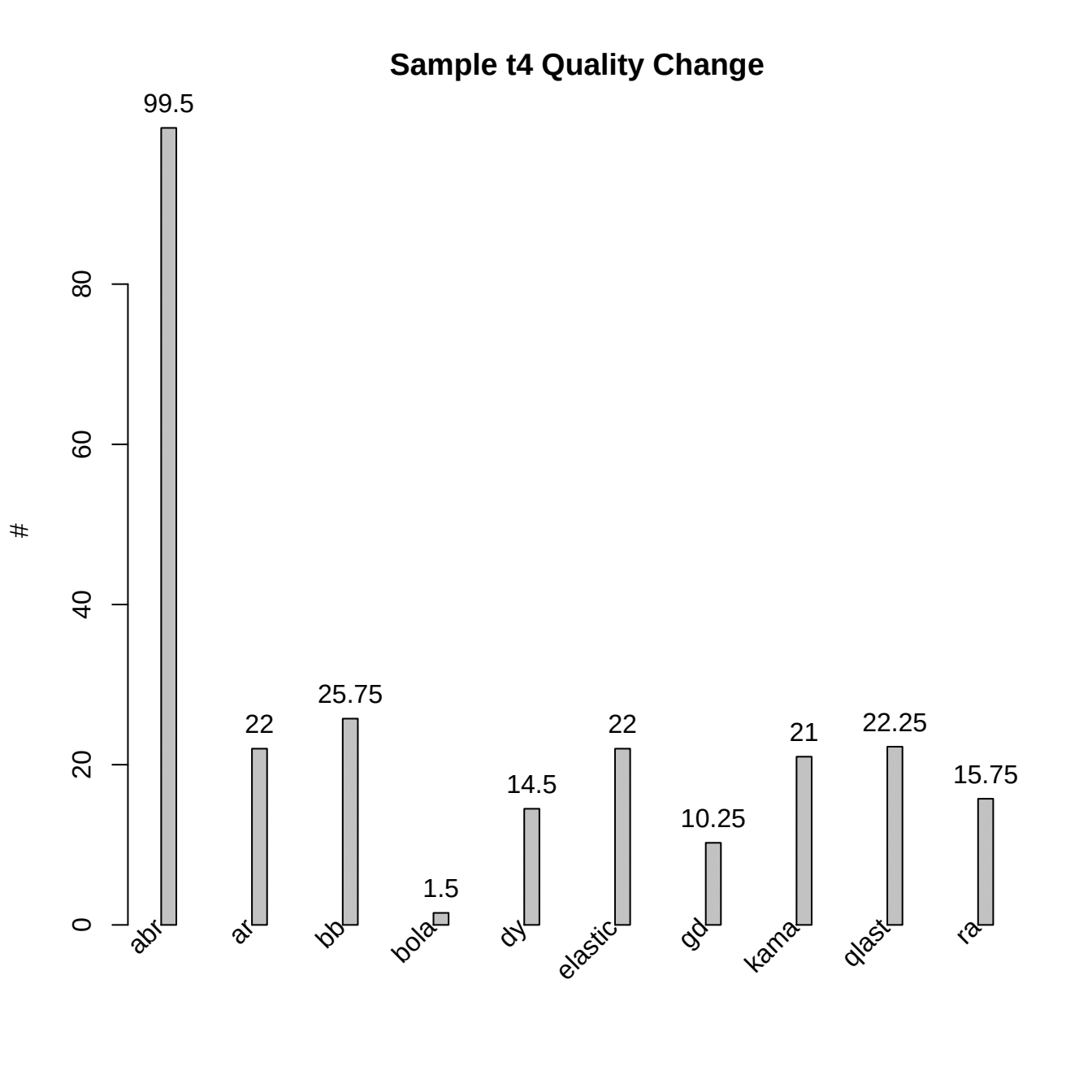

Sample t3 Quality Change
#
0
20
40
60
80
100
120
139.5
44.5
27.25
2.5
31.5
49.75
37.5
30.25
64.75
37
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

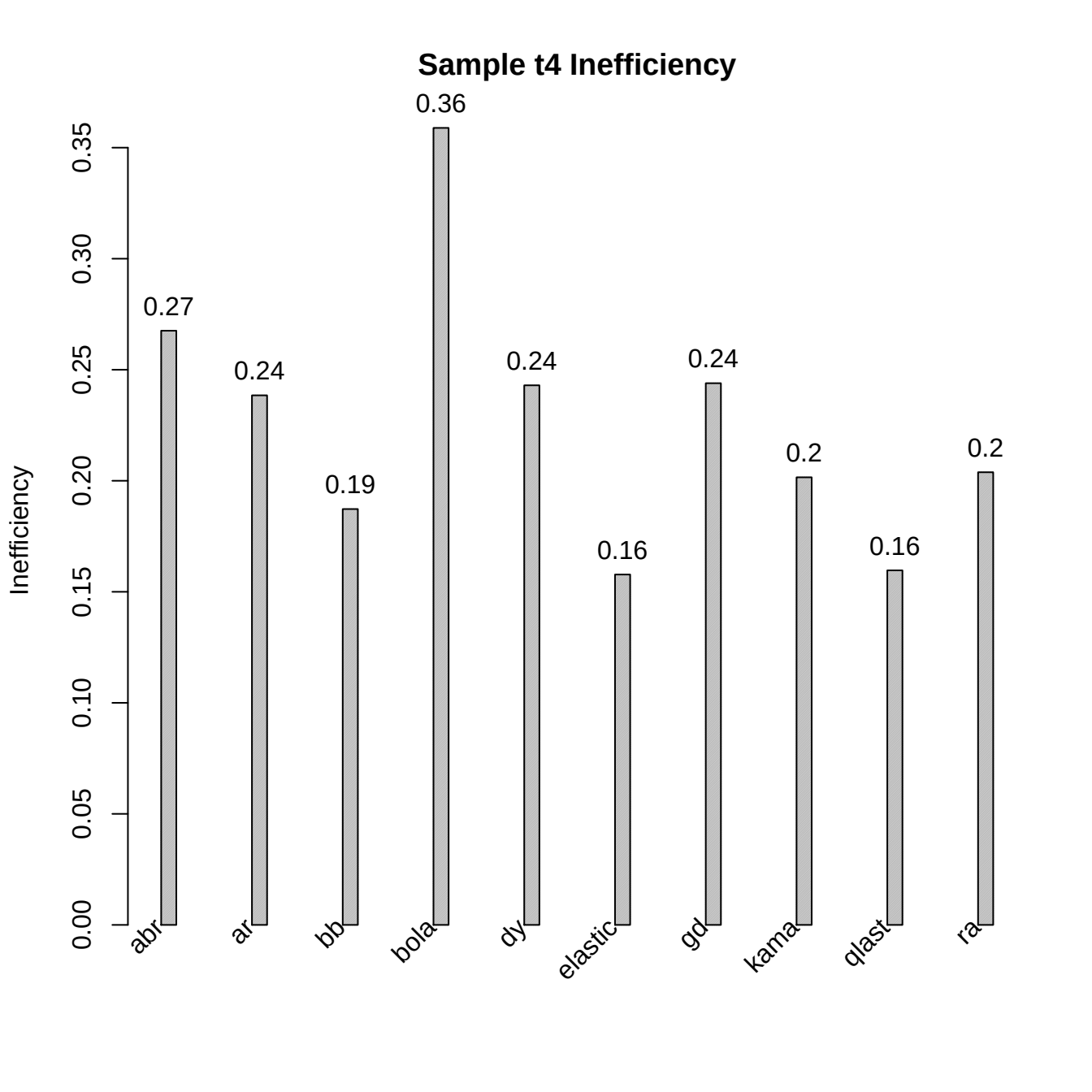

Sample t3 Inefficiency
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.25
0.2
0.22
0.34
0.24
0.17
0.24
0.25
0.23
0.21
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

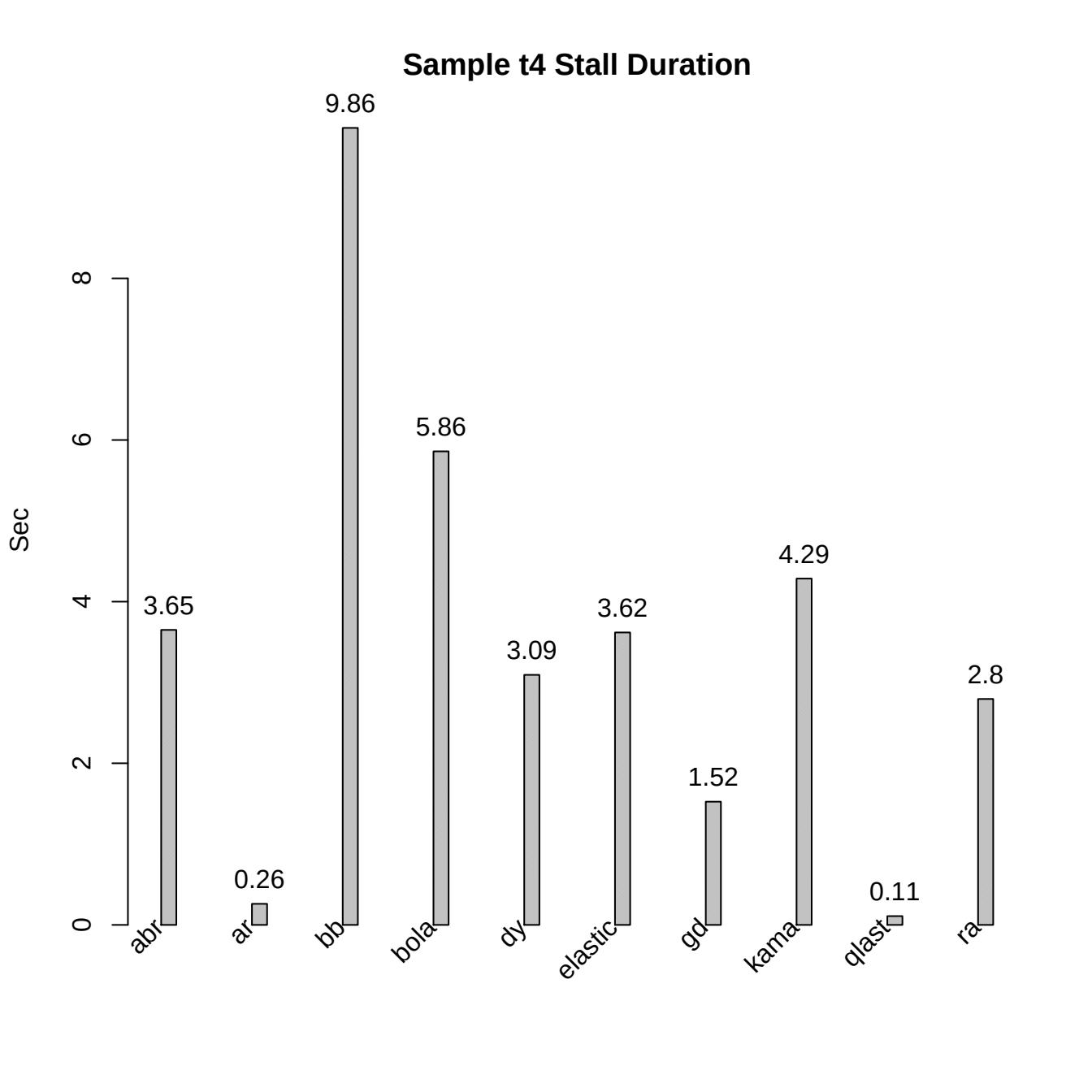

Sample t3 Stall Duration
Sec
0
2
4
6
8
10
12
0.97
8.52
0.87
5.2
6.92
1.13
8.31
12.56
6.65
2.41
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

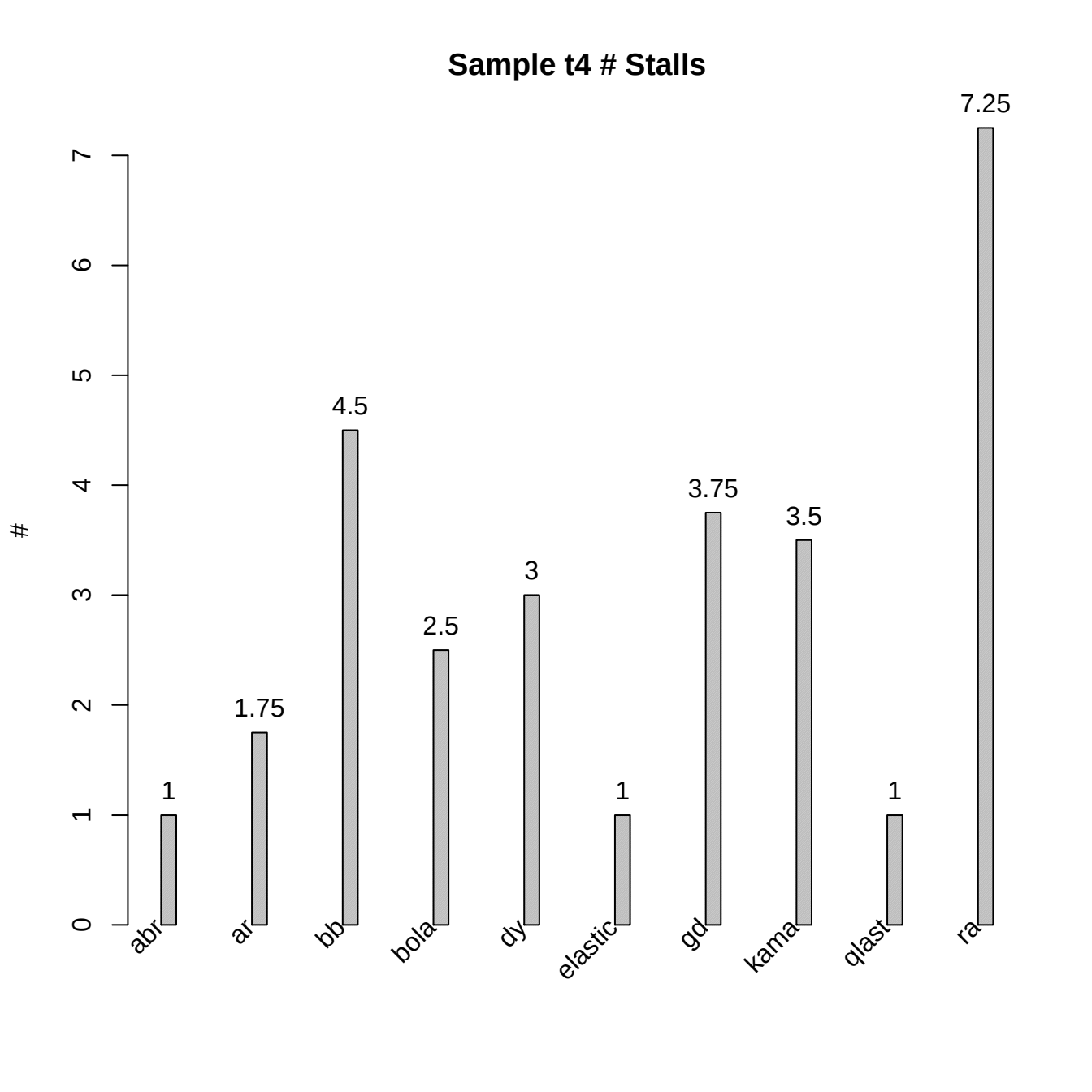

Sample t3 # Stalls
#
0
1
2
3
4
5
6
7
3.25
3
2
6.25
5.75
3
7.25
7
5.5
5.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

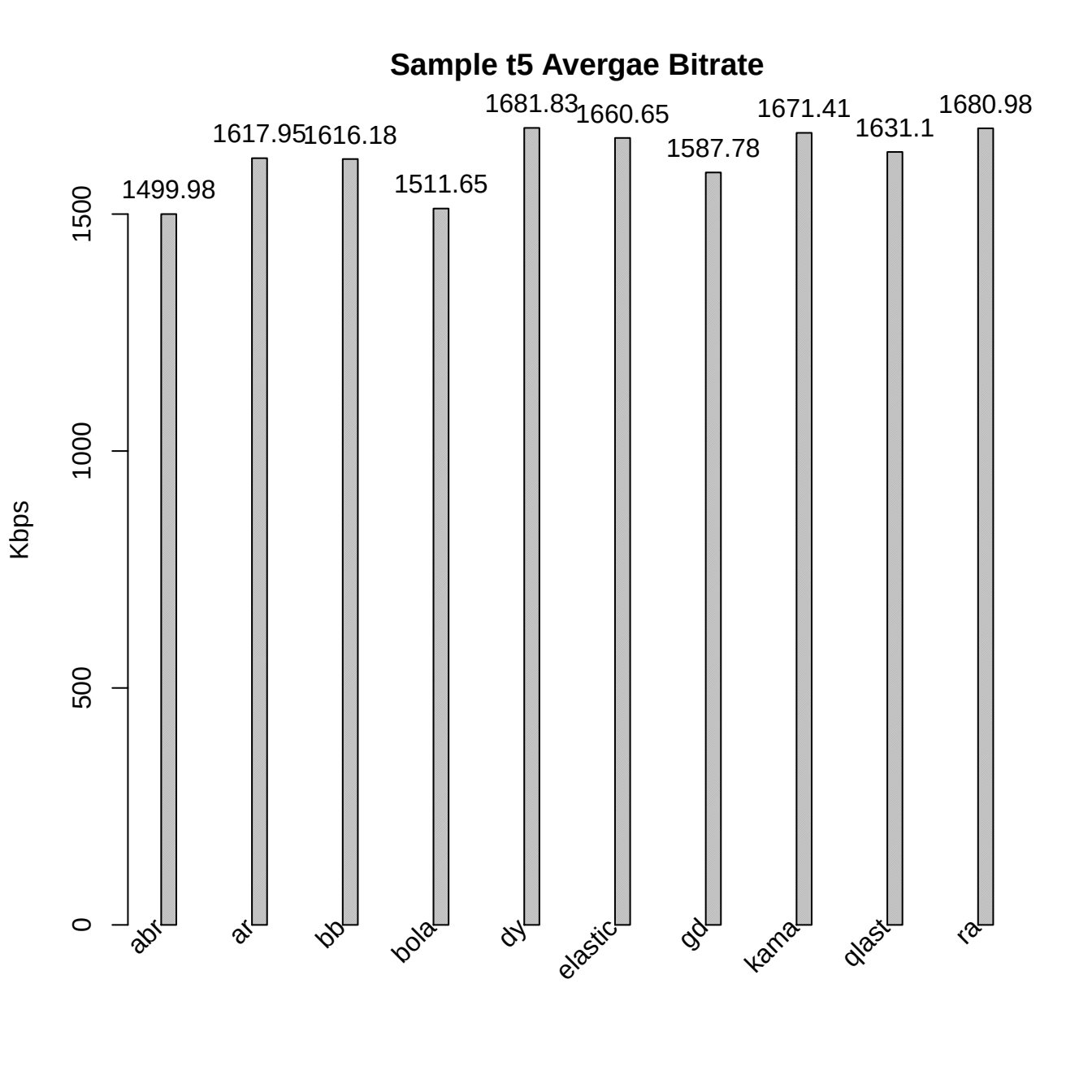

Sample t4 Avergae Bitrate
Kbps
0
500
1000
1500
2000
2500
1944.14
2567.14
2588.03
1433.01
2339.84
2424.34
2147.65
2433.41
2574.95
2377.9
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

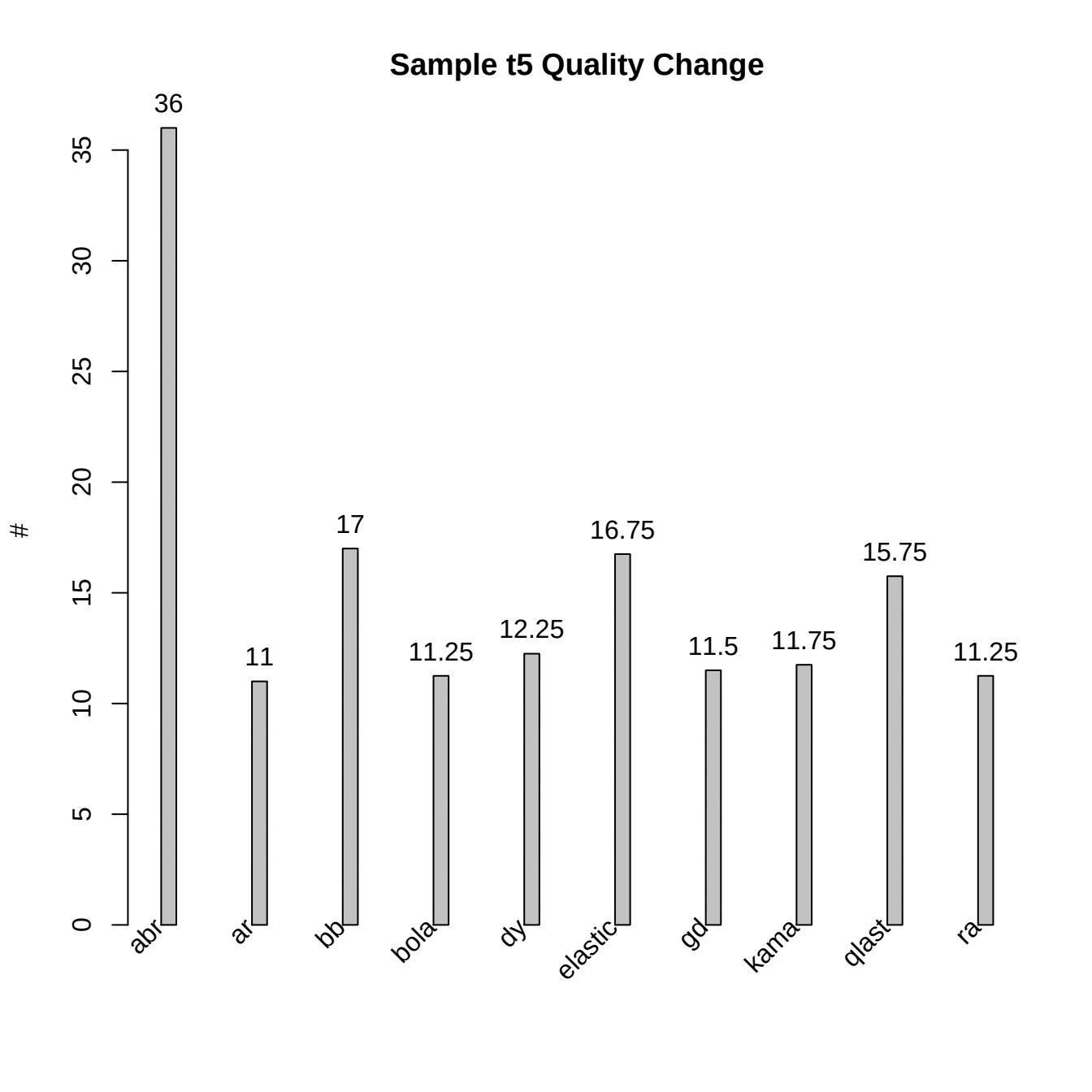

Sample t4 Quality Change
#
0
20
40
60
80
99.5
22
25.75
1.5
14.5
22
10.25
21
22.25
15.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t4 Inefficiency
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.27
0.24
0.19
0.36
0.24
0.16
0.24
0.2
0.16
0.2
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

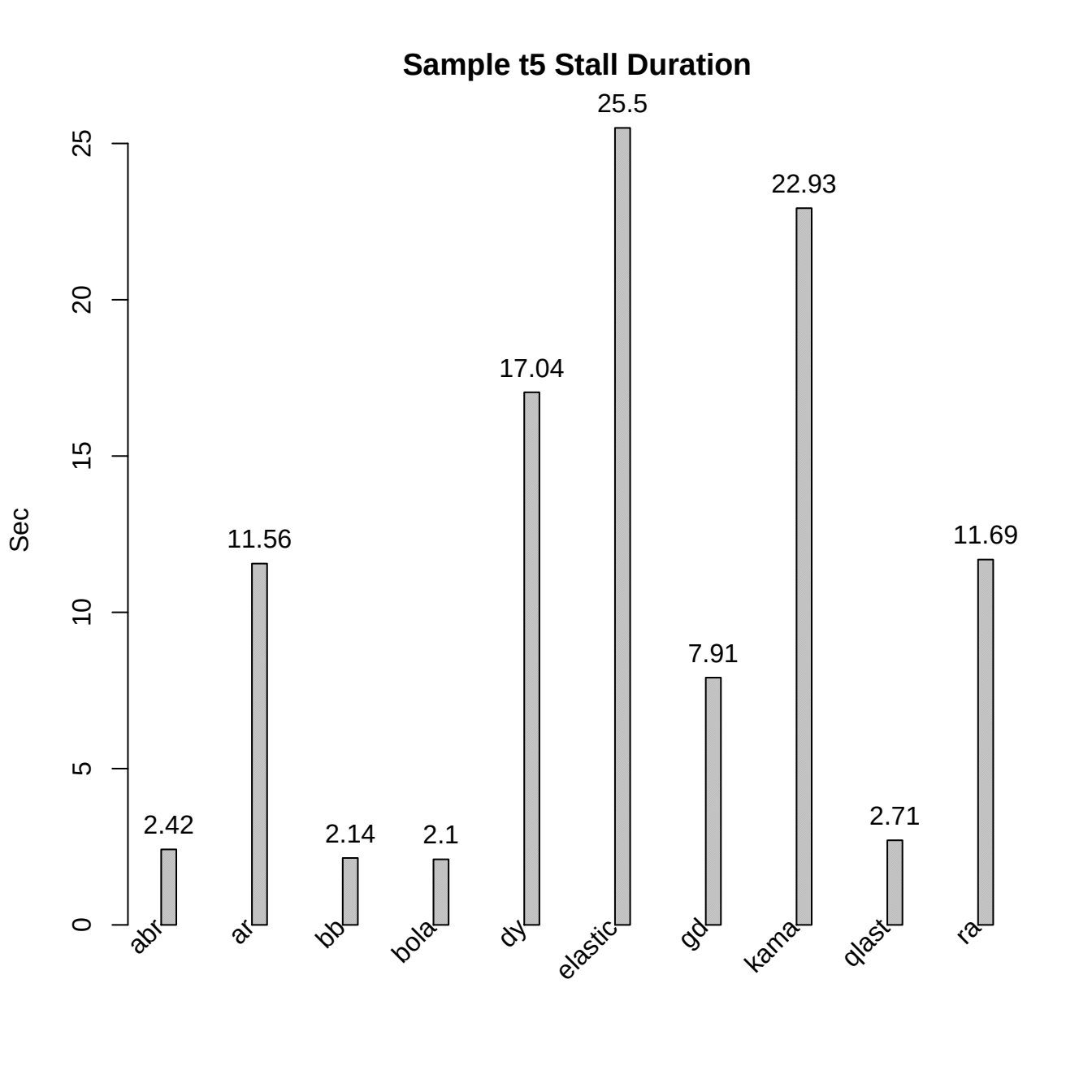

Sample t4 Stall Duration
Sec
0
2
4
6
8
9.86
5.86
4.29
3.65
3.62
3.09
2.8
1.52
0.26
0.11
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

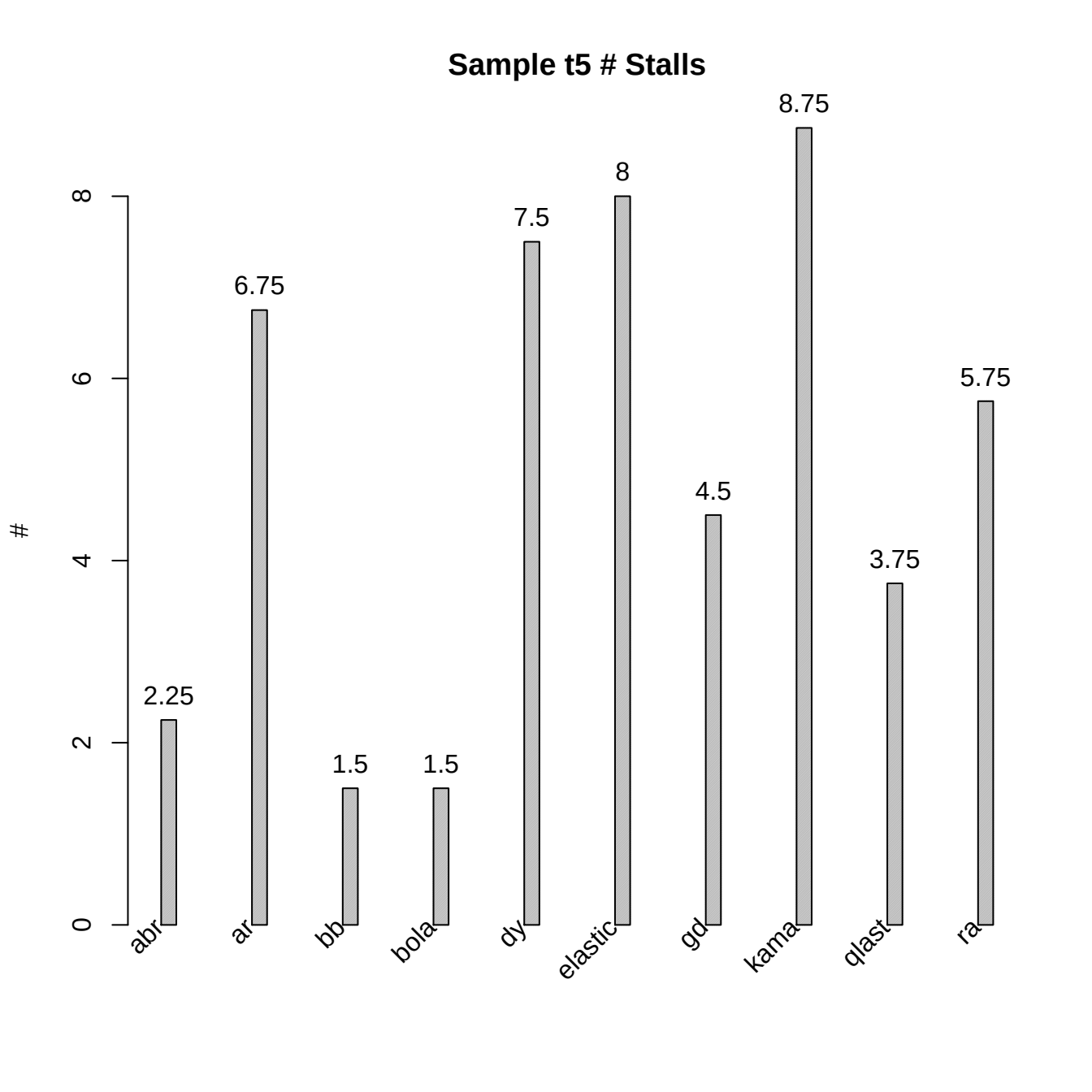

Sample t4 # Stalls
#
0
1
2
3
4
5
6
7
1
1.75
4.5
2.5
3
1
3.75
3.5
1
7.25
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

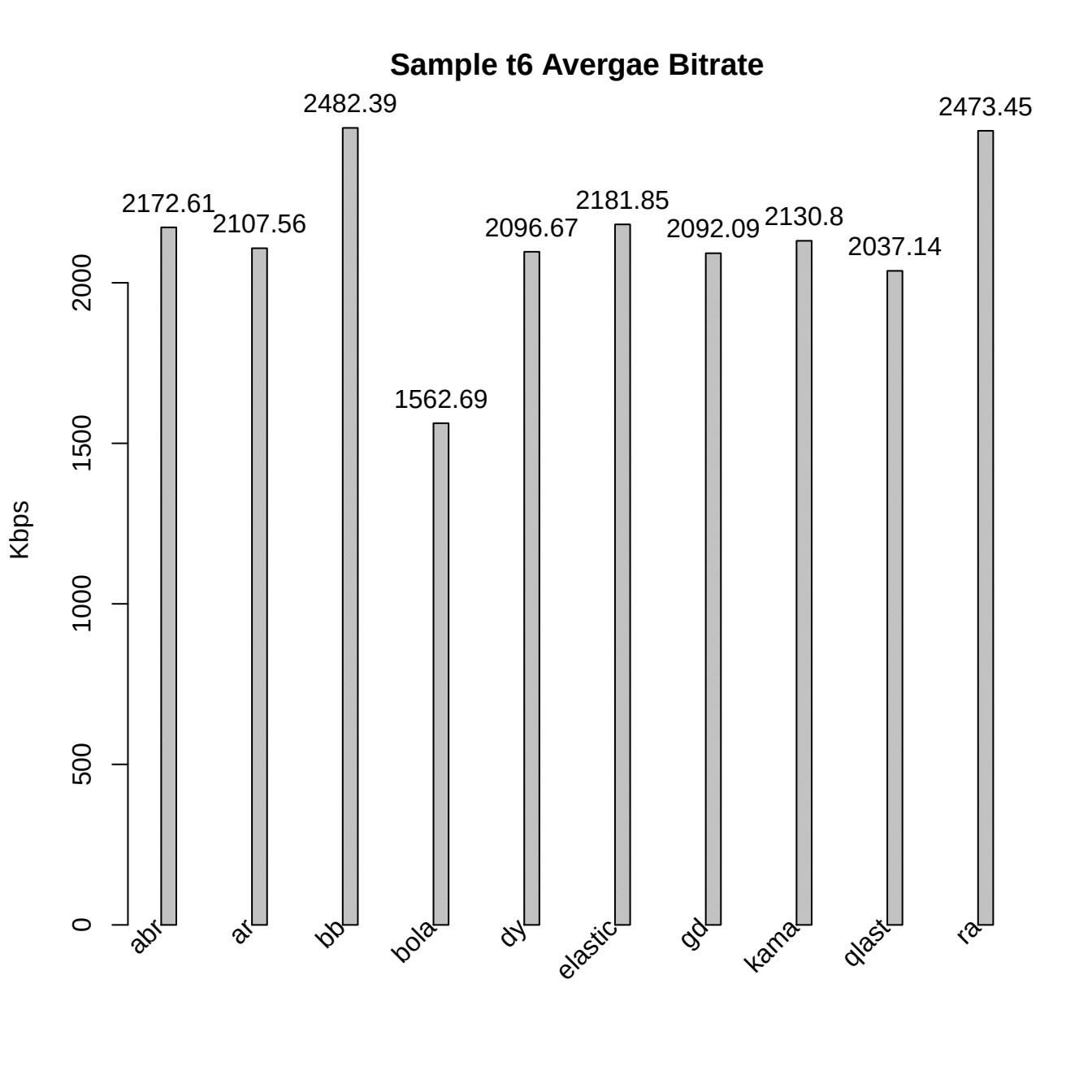

Sample t5 Avergae Bitrate
Kbps
0
500
1000
1500
1499.98
1617.95
1616.18
1511.65
1681.83
1660.65
1587.78
1671.41
1631.1
1680.98
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

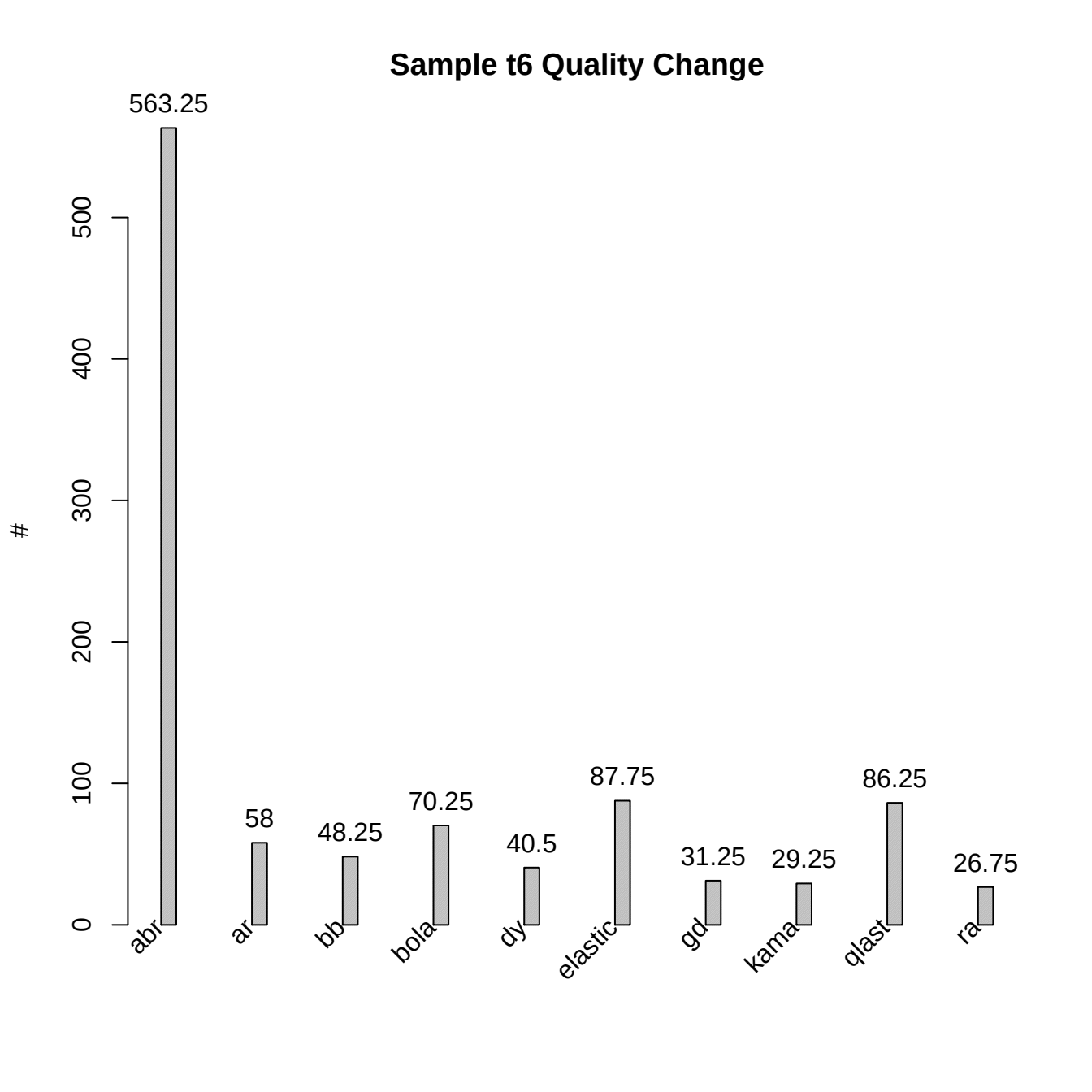

Sample t5 Quality Change
#
0
5
10
15
20
25
30
35
36
11
17
11.25
12.25
16.75
11.5
11.75
15.75
11.25
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t5 Inefficiency
Inefficiency
0.0
0.1
0.2
0.3
0.4
0.39
0.33
0.43
0.38
0.34
0.32
0.35
0.32
0.32
0.34
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

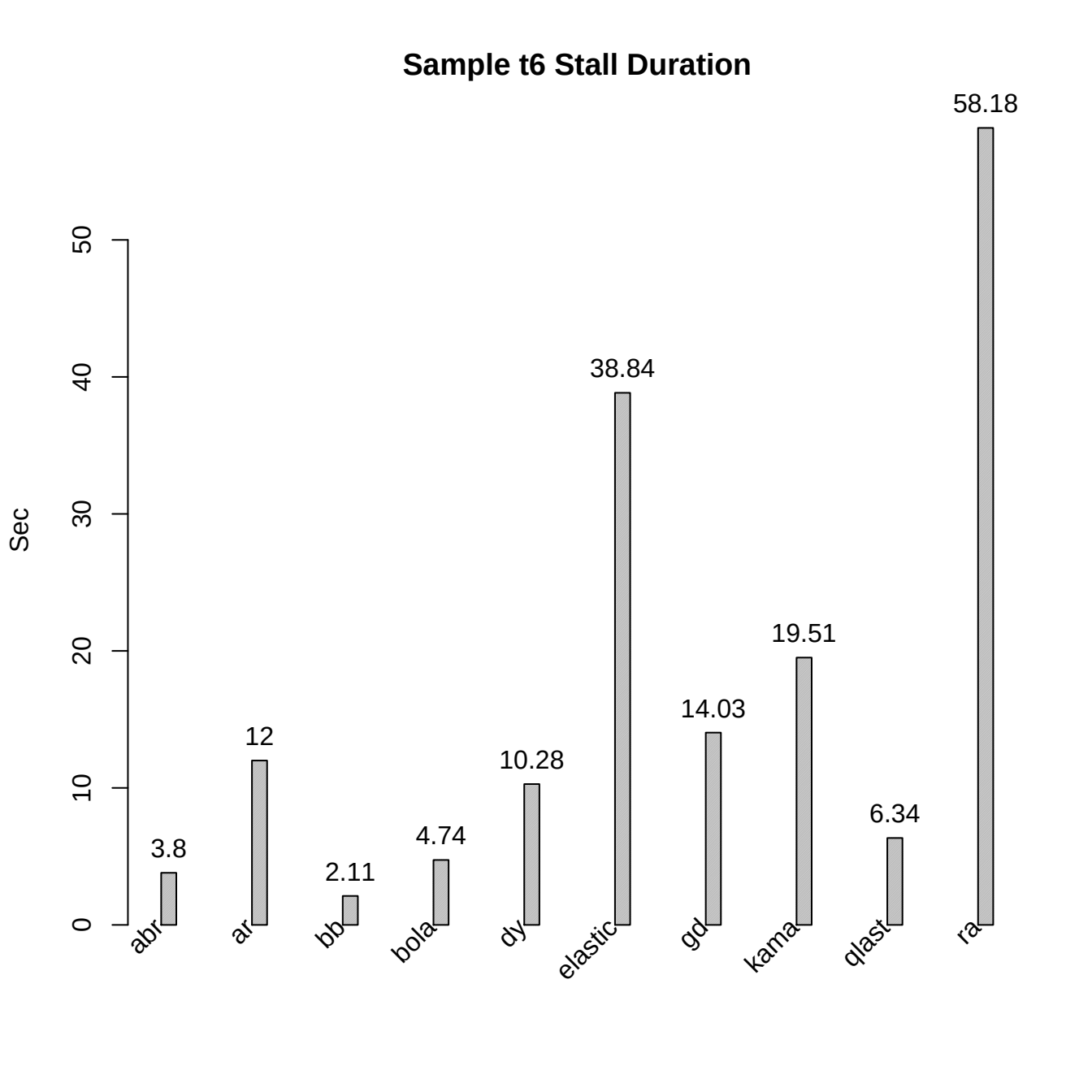

Sample t5 Stall Duration
Sec
0
5
10
15
20
25
2.42
11.56
2.14
2.1
17.04
25.5
7.91
22.93
2.71
11.69
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

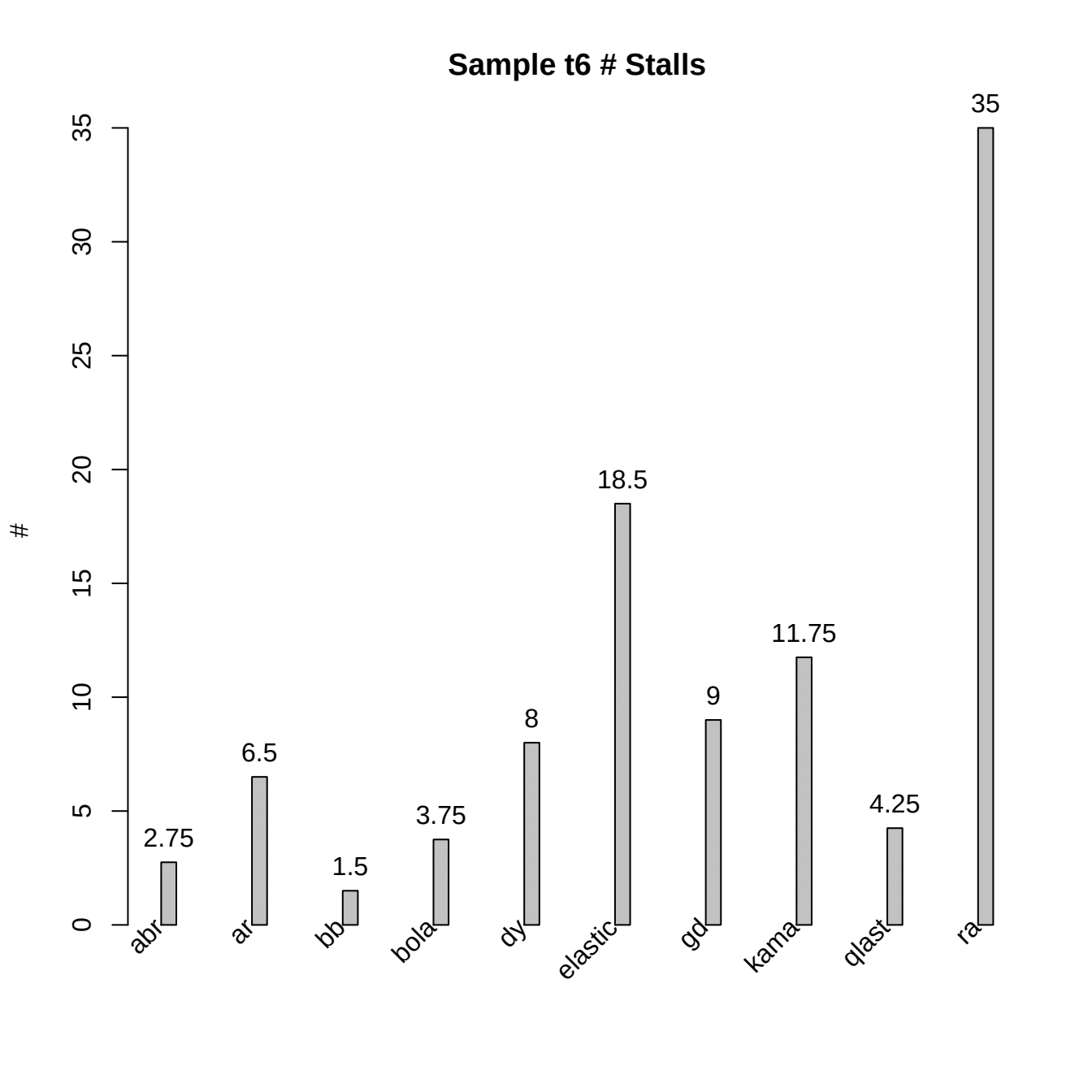

Sample t5 # Stalls
#
0
2
4
6
8
2.25
6.75
1.5
1.5
7.5
8
4.5
8.75
3.75
5.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

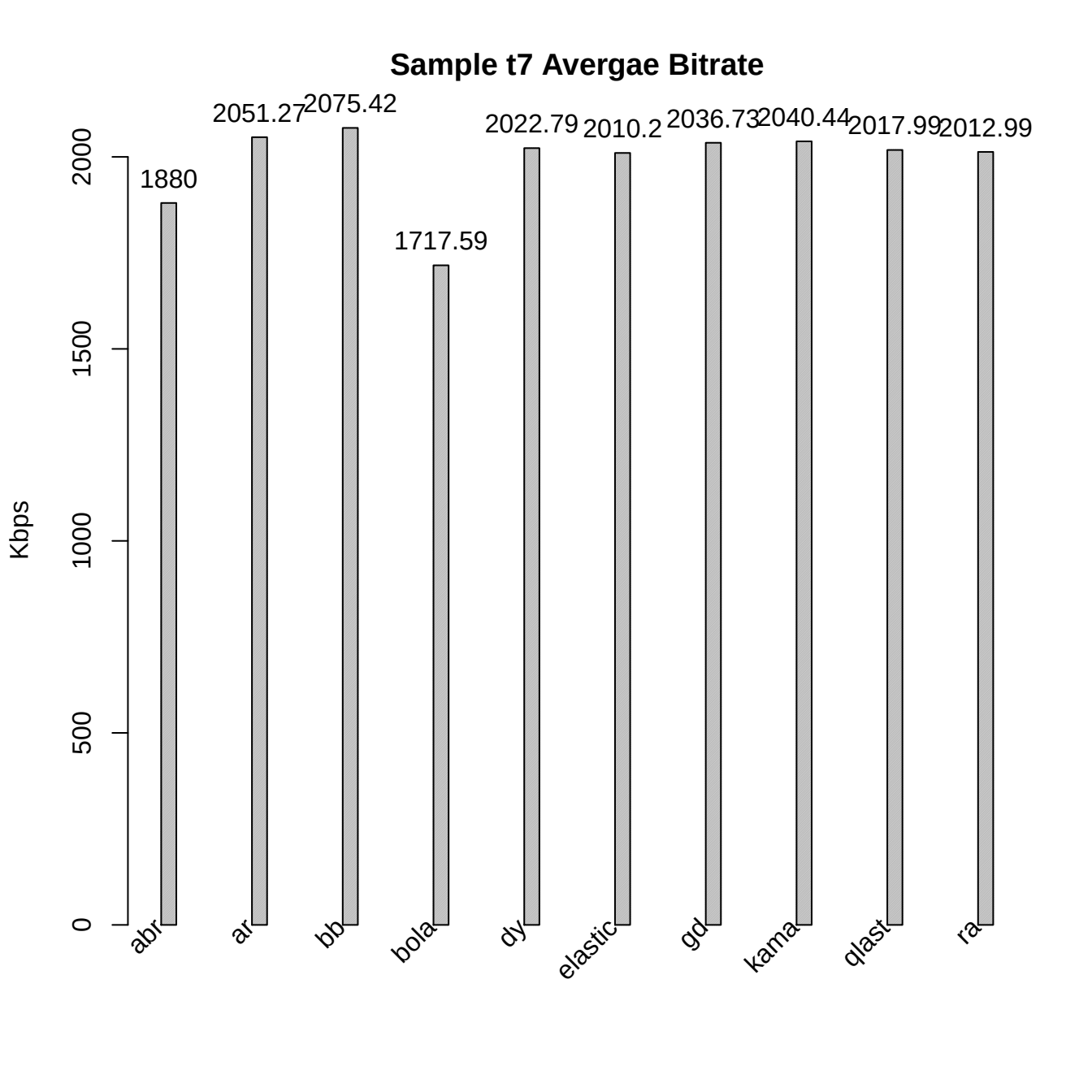

Sample t6 Avergae Bitrate
Kbps
0
500
1000
1500
2000
2172.61
2107.56
2482.39
1562.69
2096.67
2181.85
2092.09
2130.8
2037.14
2473.45
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

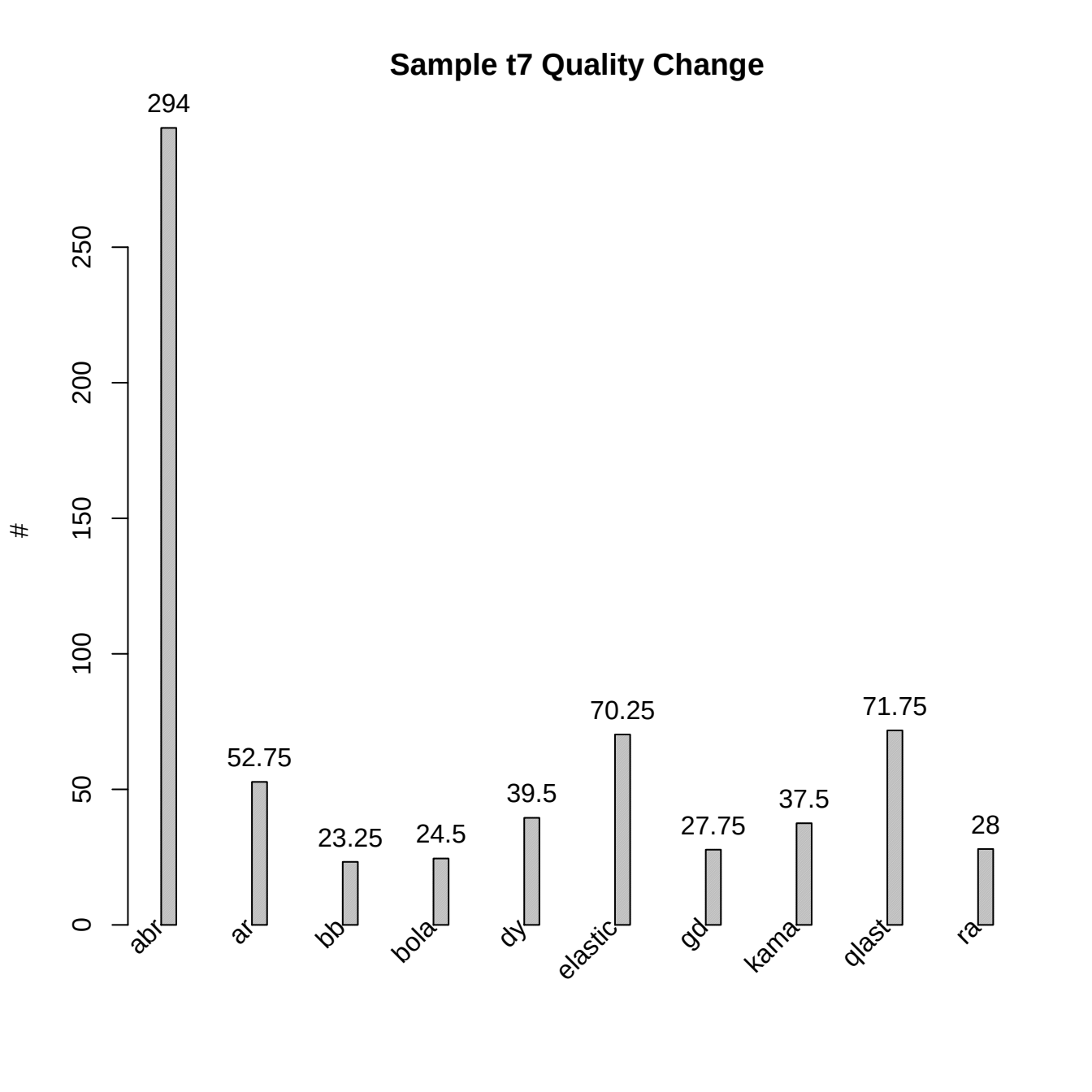

Sample t6 Quality Change
#
0
100
200
300
400
500
563.25
58
48.25
70.25
40.5
87.75
31.25
29.25
86.25
26.75
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

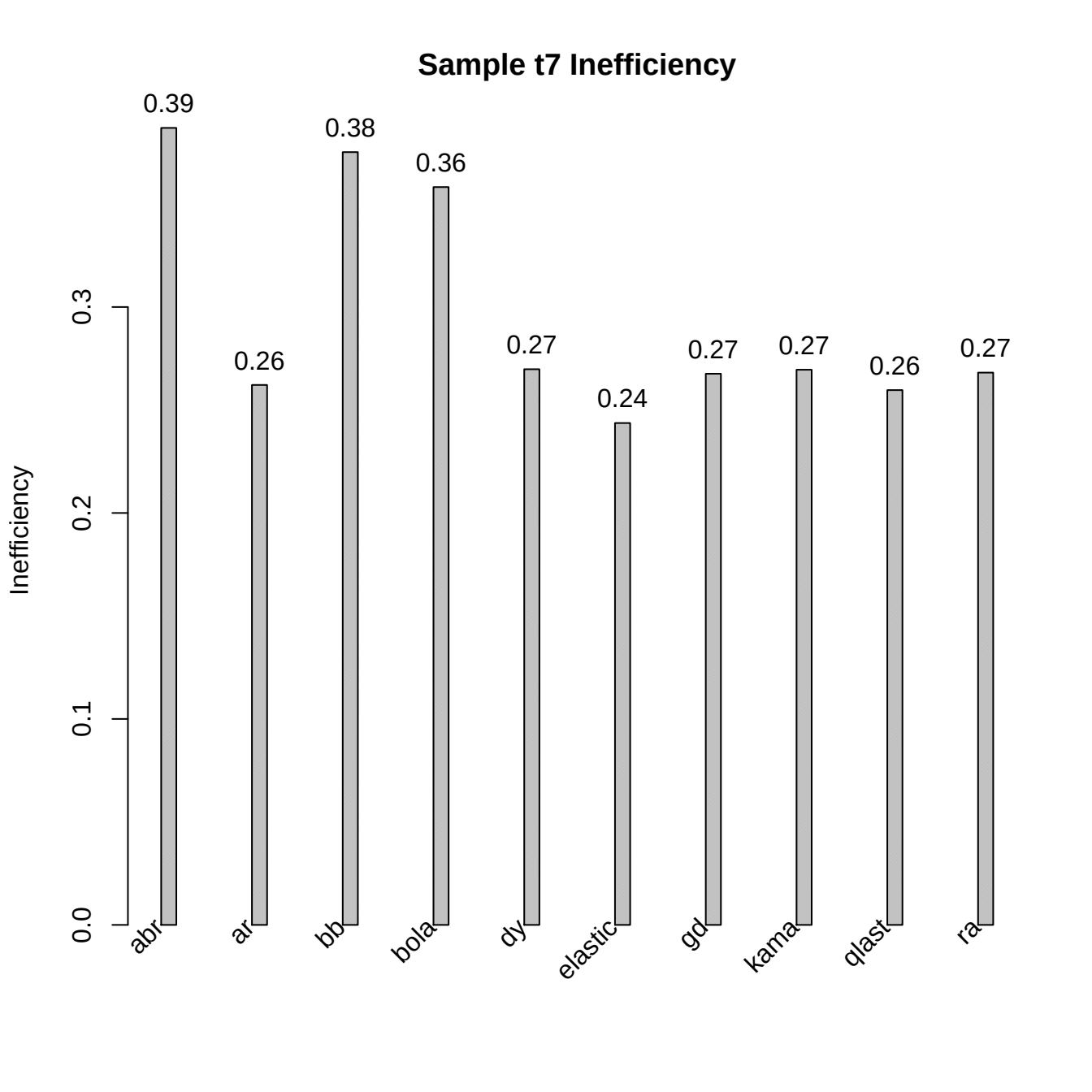

Sample t6 Inefficiency
Inefficiency
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.32
0.25
0.36
0.37
0.27
0.23
0.28
0.26
0.24
0.27
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

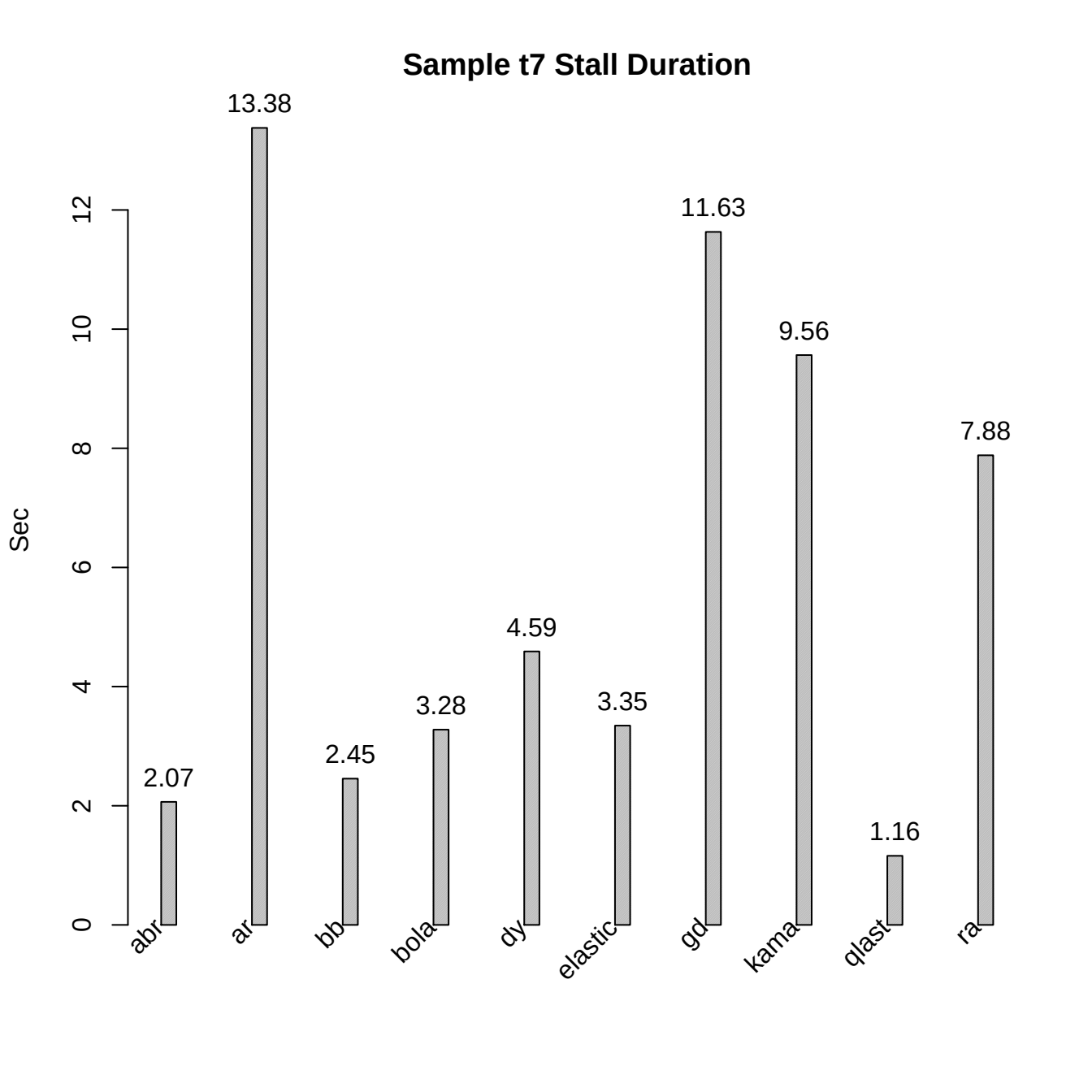

Sample t6 Stall Duration
Sec
0
10
20
30
40
50
3.8
12
2.11
4.74
10.28
38.84
14.03
19.51
6.34
58.18
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra

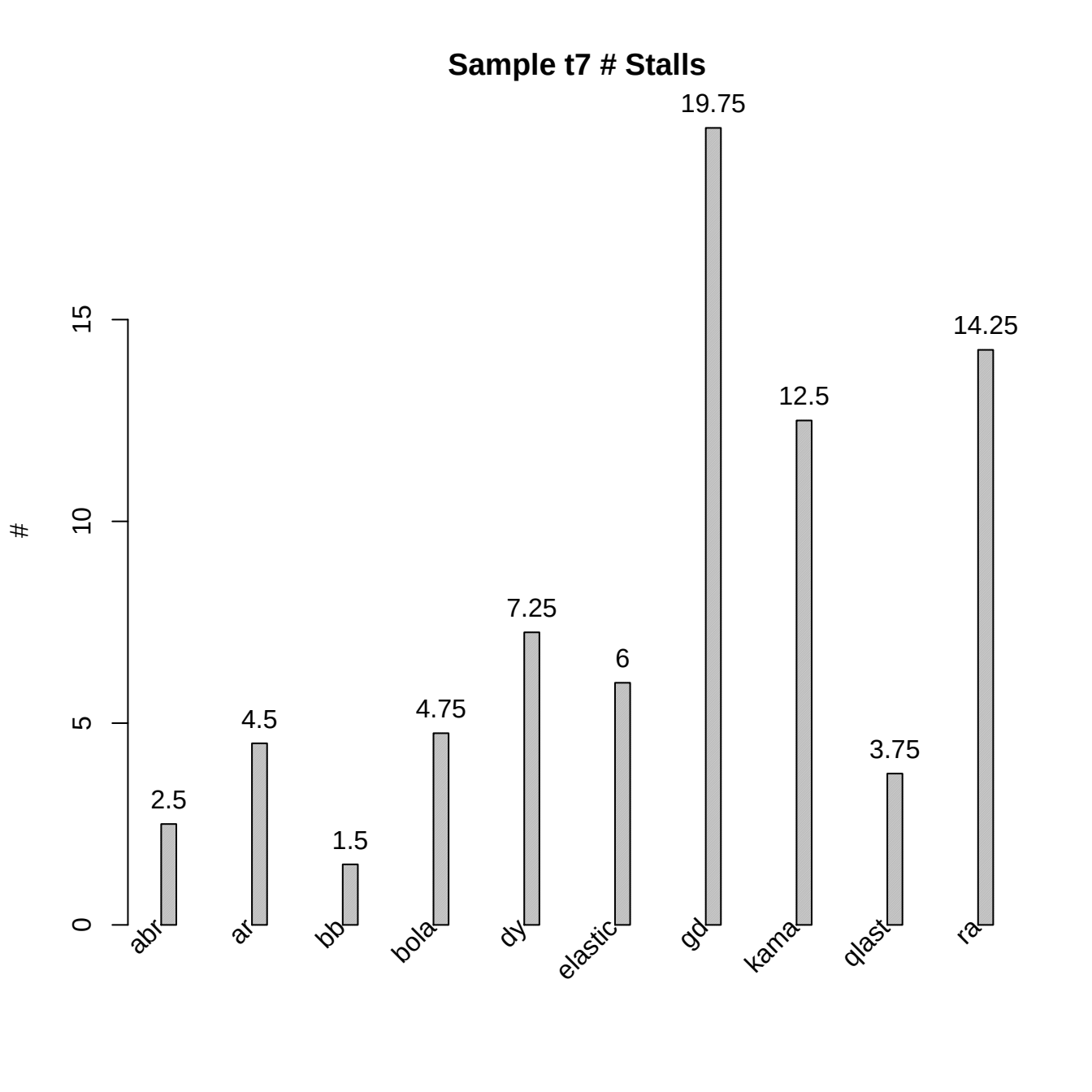

Sample t6 # Stalls
#
0
5
10
15
20
25
30
35
2.75
6.5
1.5
3.75
8
18.5
9
11.75
4.25
35
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t7 Avergae Bitrate
Kbps
0
500
1000
1500
2000
1880
2051.27
2075.42
1717.59
2022.79
2010.2
2036.73
2040.44
2017.99
2012.99
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t7 Quality Change
#
0
50
100
150
200
250
294
52.75
23.25
24.5
39.5
70.25
27.75
37.5
71.75
28
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t7 Inefficiency
Inefficiency
0.0
0.1
0.2
0.3
0.39
0.26
0.38
0.36
0.27
0.24
0.27
0.27
0.26
0.27
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t7 Stall Duration
Sec
0
2
4
6
8
10
12
13.38
11.63
9.56
7.88
4.59
3.35
3.28
2.45
2.07
1.16
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra


Sample t7 # Stalls
#
0
5
10
15
2.5
4.5
1.5
4.75
7.25
6
19.75
12.5
3.75
14.25
abr
ar
bb
bola
dy
elastic
gd
kama
qlast
ra