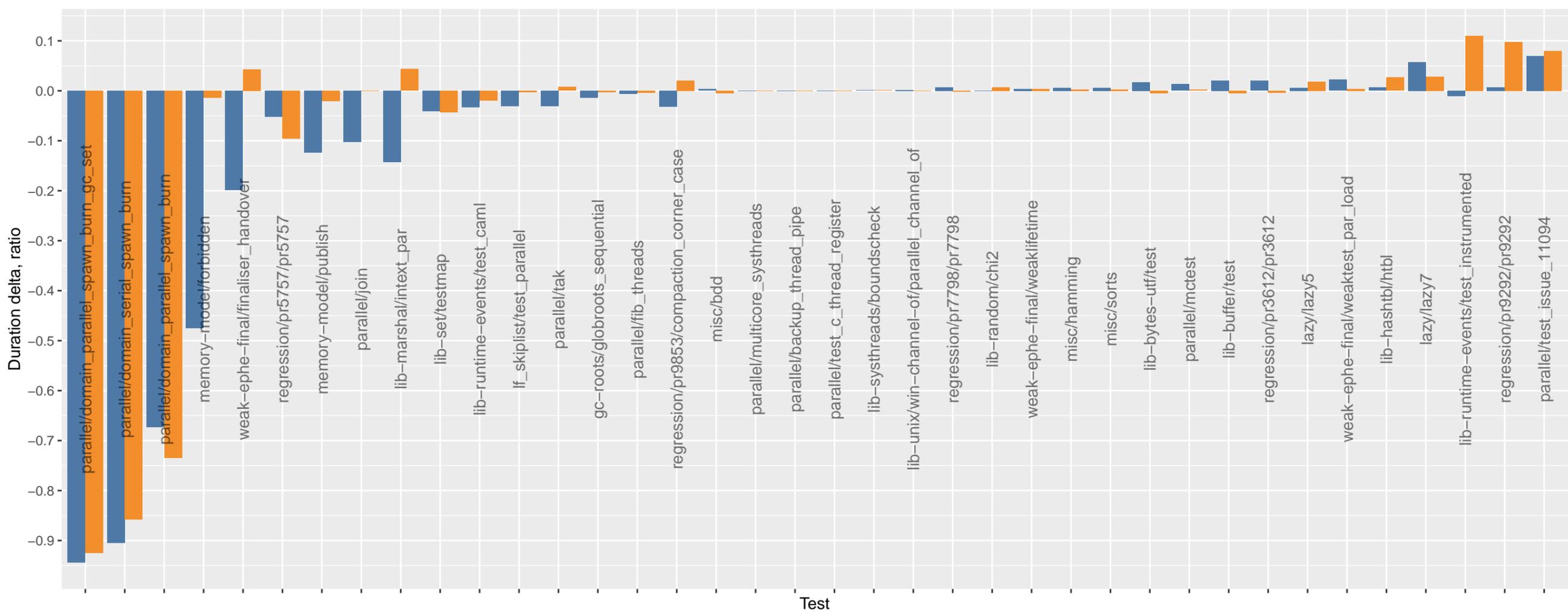


# Change in Duration, as Mean of Quintiles

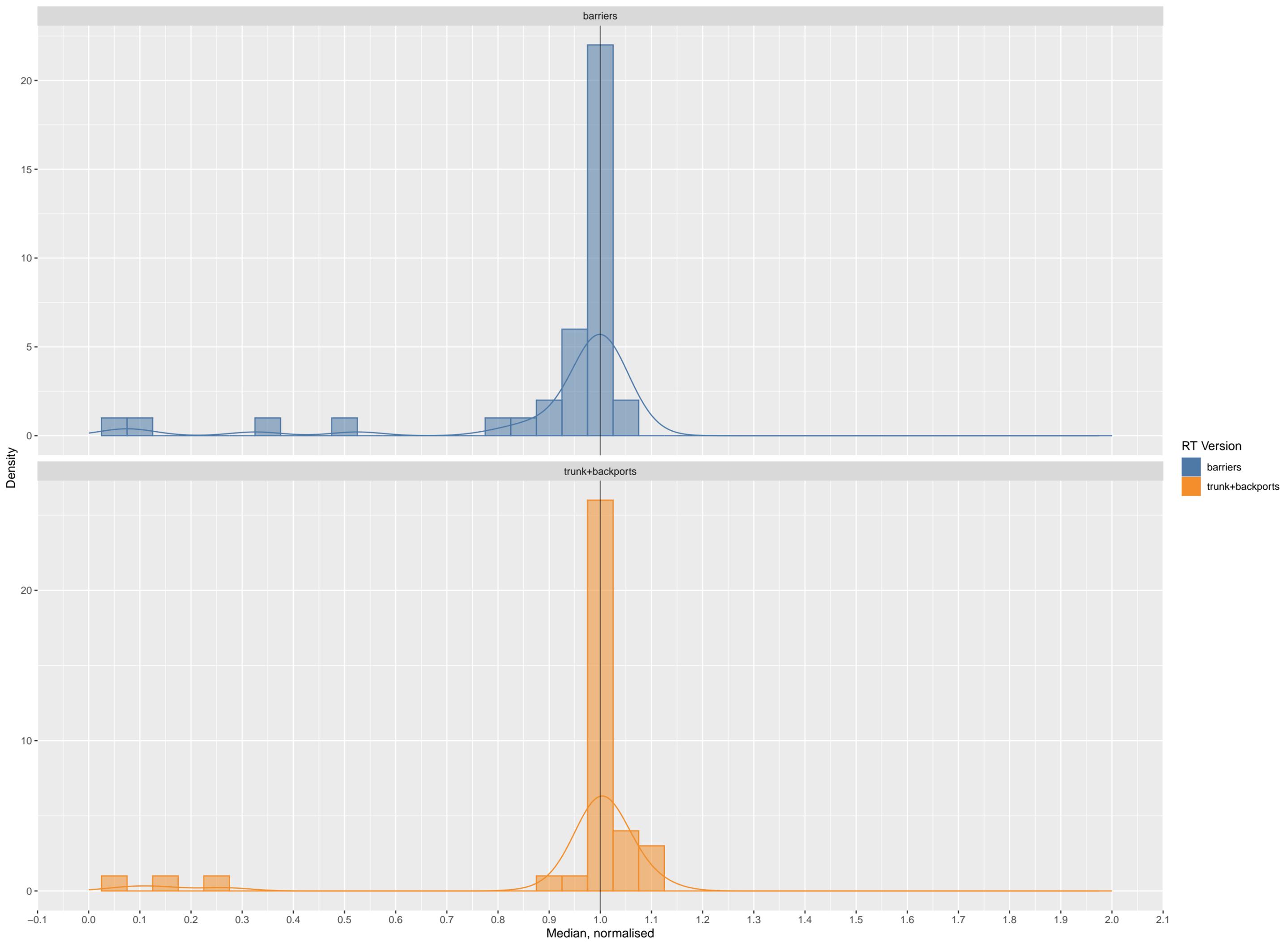


RT Version  
■ barriers  
■ trunk+backports



Tests excluded: 23 (did not differ with Kruskal-Wallis rank sum test, p=0.1)

# Relative distributions



# parallel/domain\_parallel\_spawn\_burn\_gc\_set

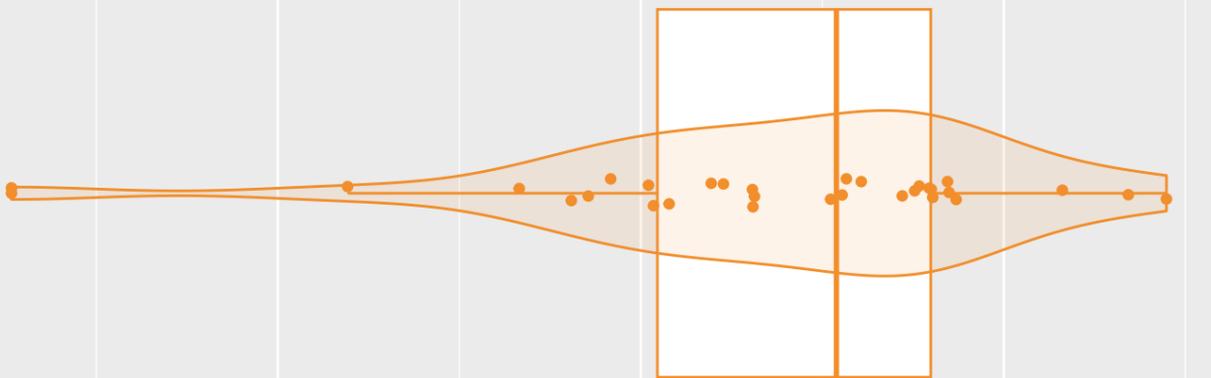
barriers



trunk+backports



trunk



0

5

10

15

20

25

30

35

Duration, seconds

RT Version



barriers



trunk



trunk+backports

# parallel/domain\_serial\_spawn\_burn

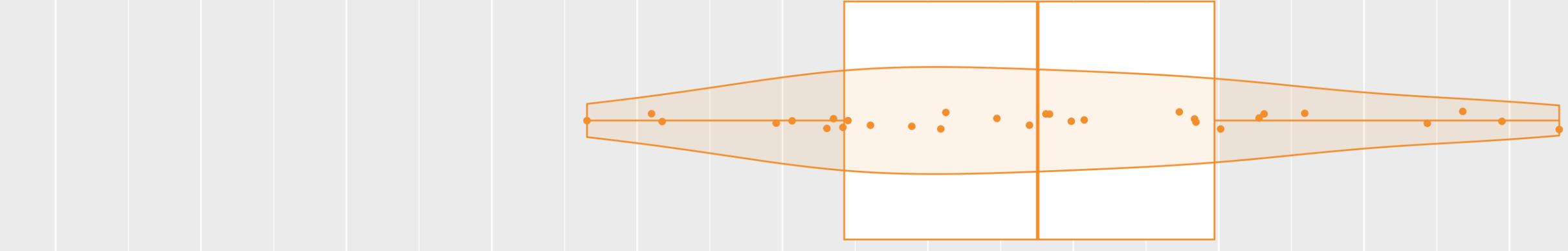
barriers



trunk+backports



trunk



0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4

Duration, seconds

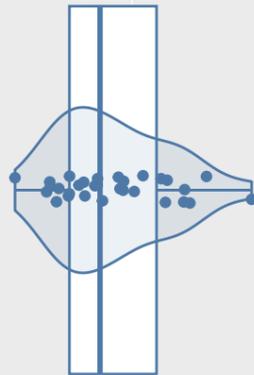
RT Version barriers trunk trunk+backports

# parallel/domain\_parallel\_spawn\_burn

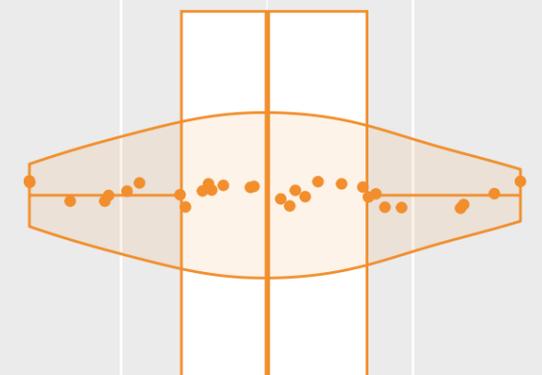
trunk+backports



barriers



trunk



3

4

5

6

Duration, seconds

7

8

9

10

11

RT Version



barriers



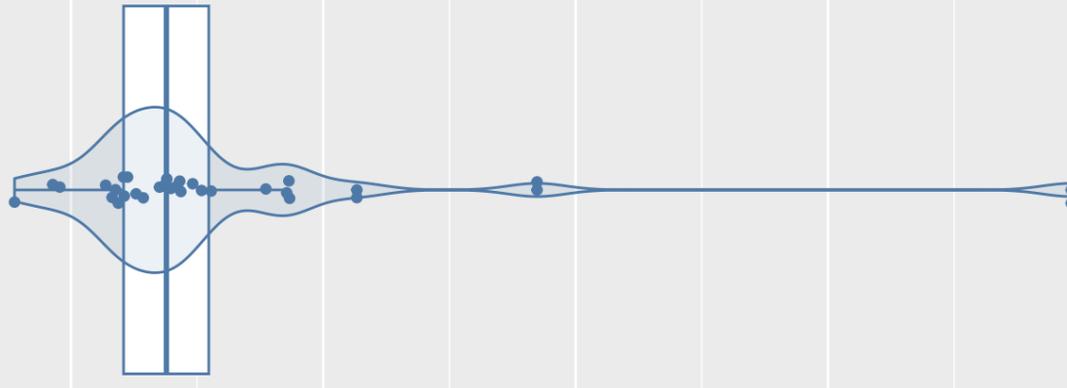
trunk



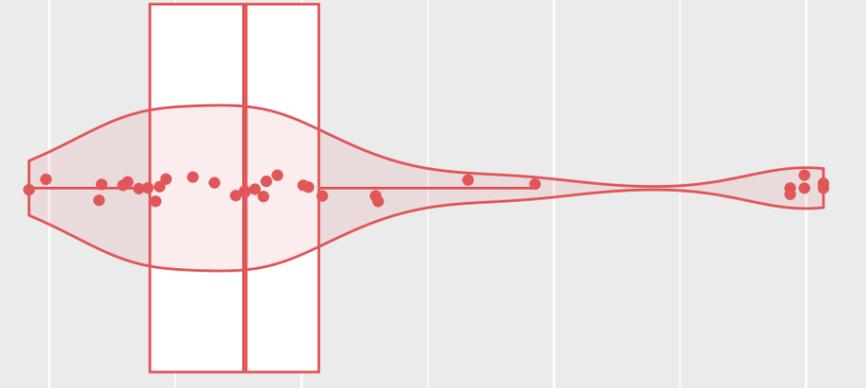
trunk+backports

# memory-model/forbidden

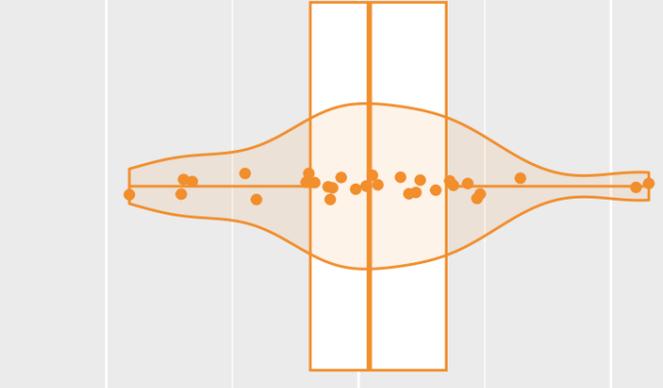
barriers



trunk+backports



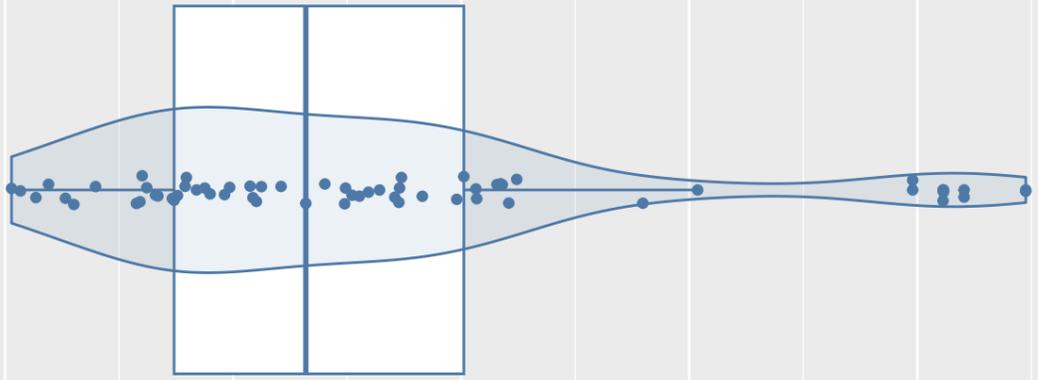
trunk



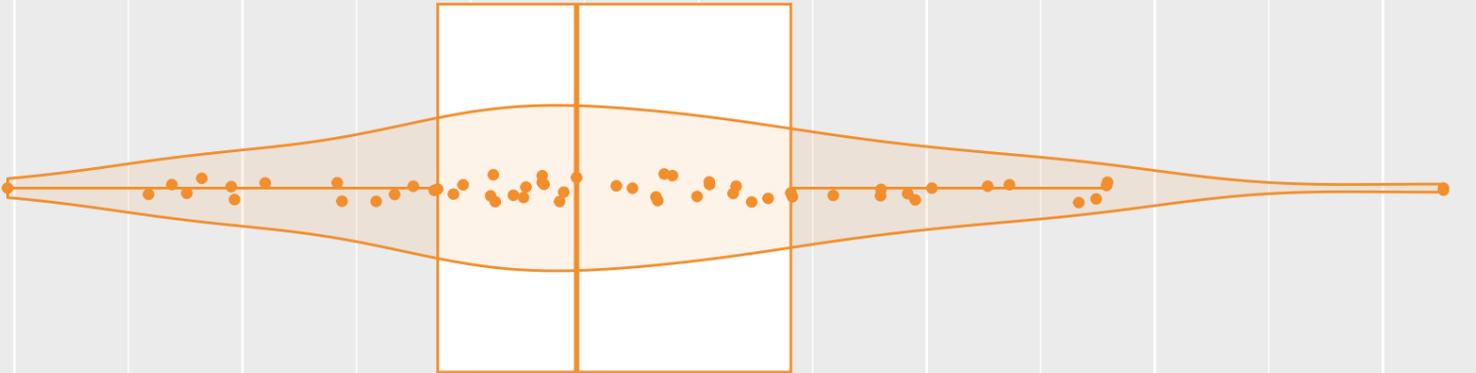
RT Version ■ barriers ■ trunk ■ trunk+backports

# weak-ephe-final/finaliser\_handover

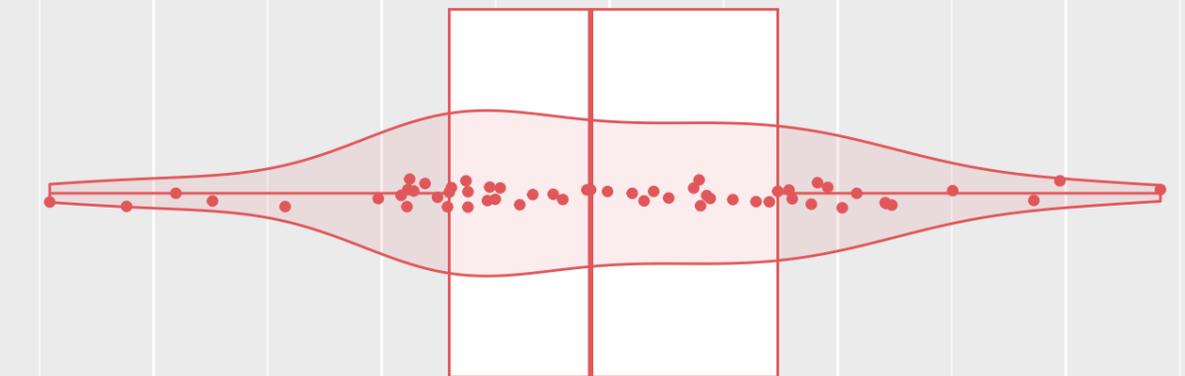
barriers



trunk



trunk+backports

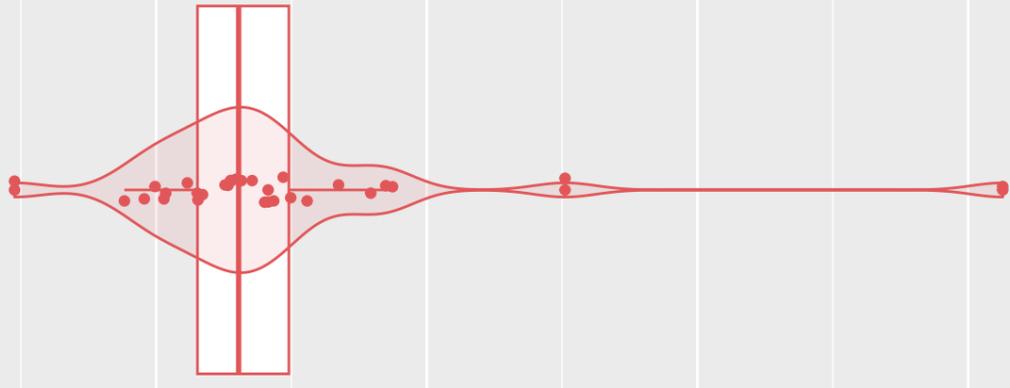


0.24 0.25 0.26 0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35

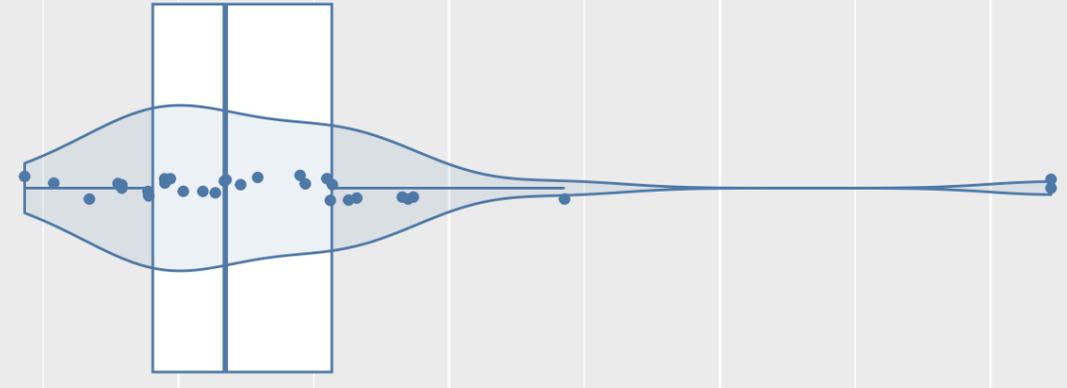
Duration, seconds

RT Version barriers trunk trunk+backports

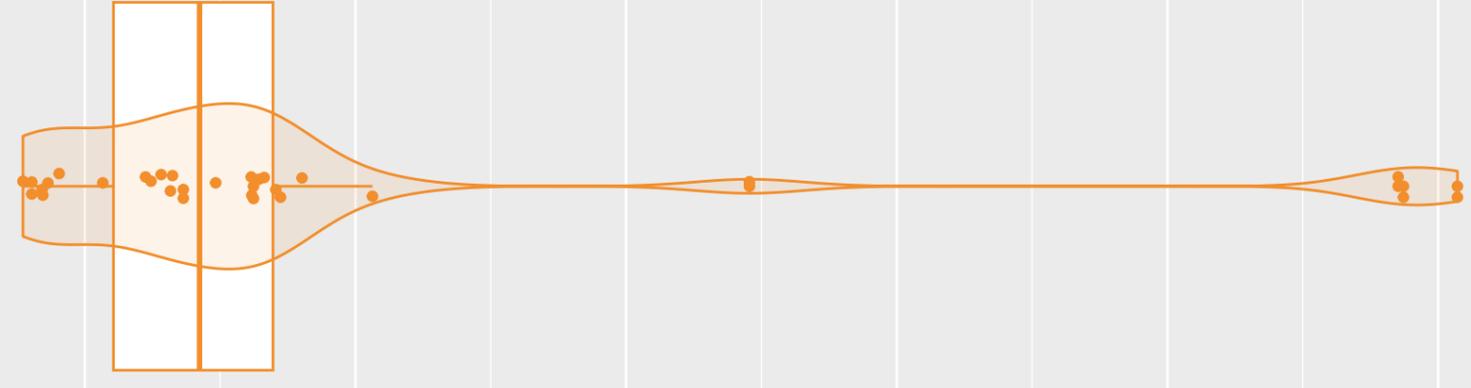
trunk+backports



barriers



trunk



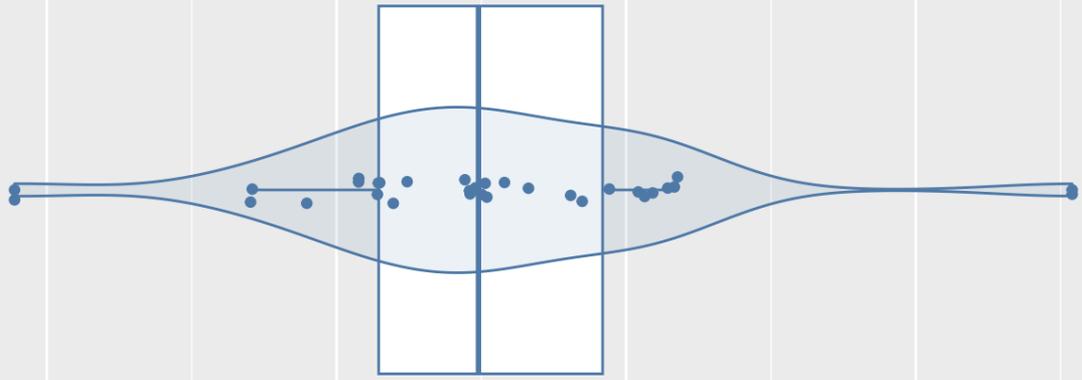
1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.25 2.30 2.35 2.40

Duration, seconds

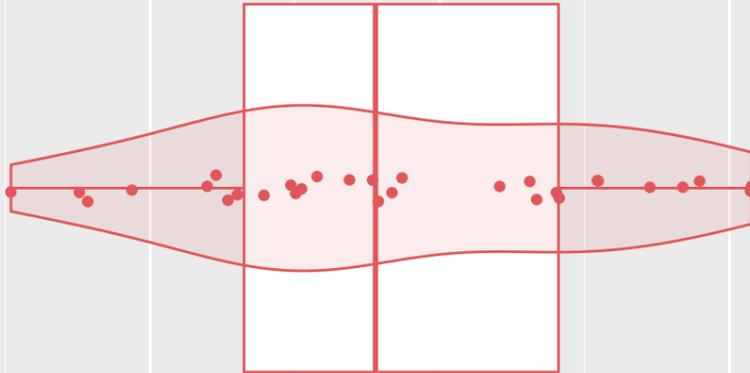
RT Version ■ barriers ■ trunk ■ trunk+backports

# memory-model/publish

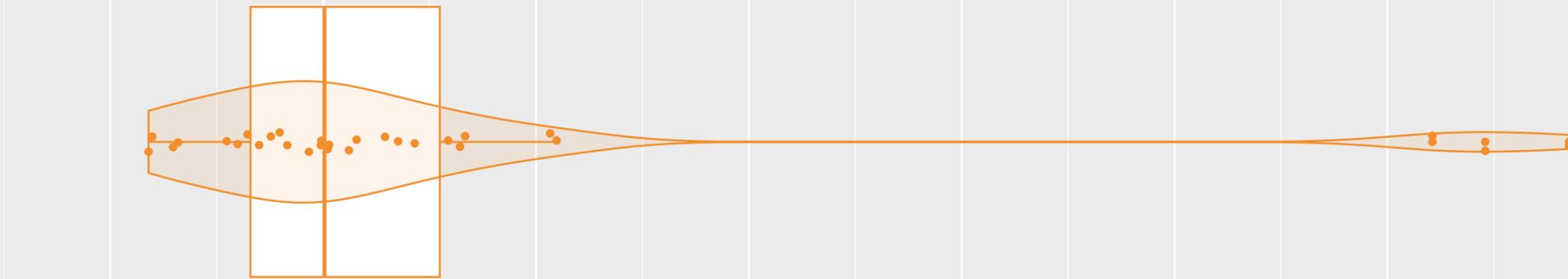
barriers



trunk+backports



trunk

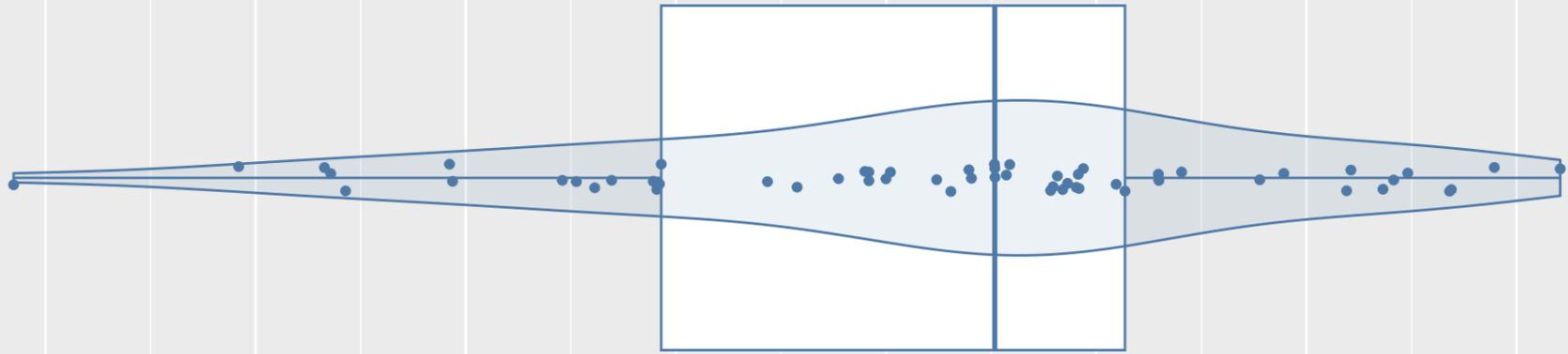


Duration, seconds

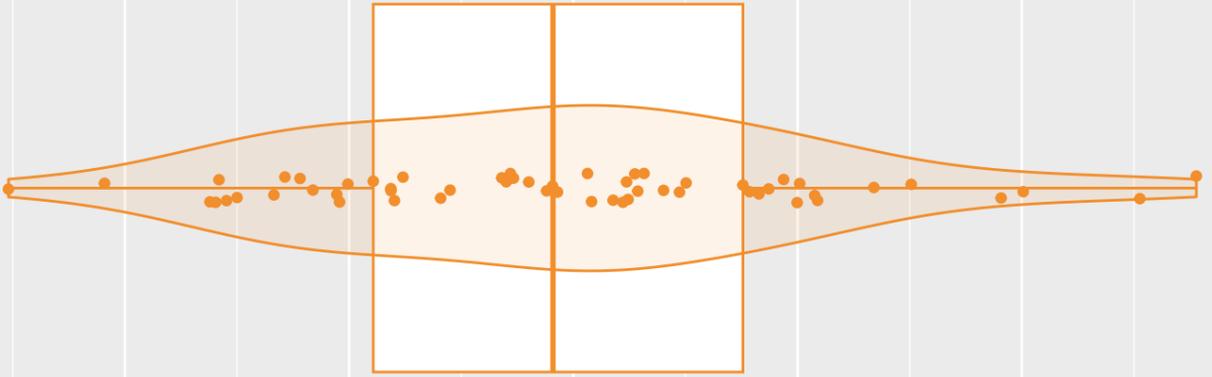
RT Version ■ barriers ■ trunk ■ trunk+backports

# parallel/join

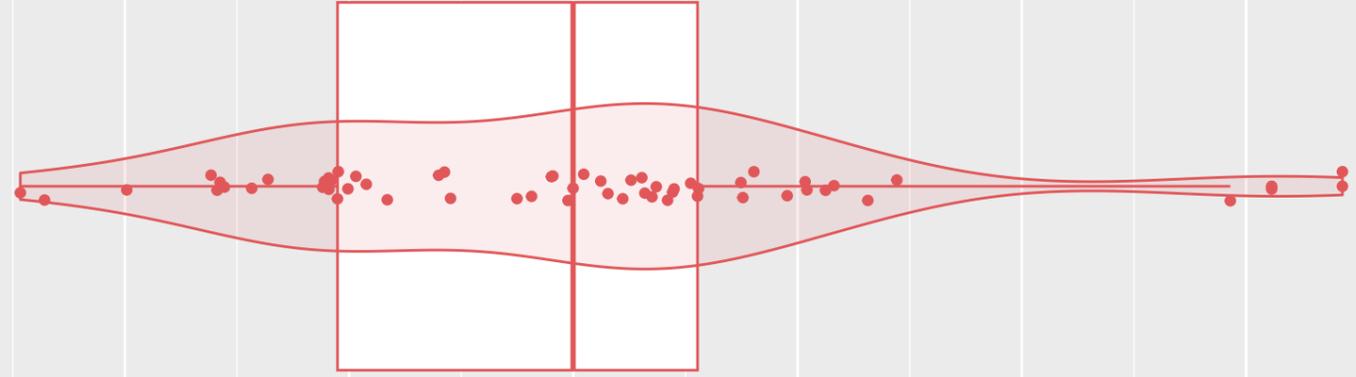
barriers



trunk



trunk+backports



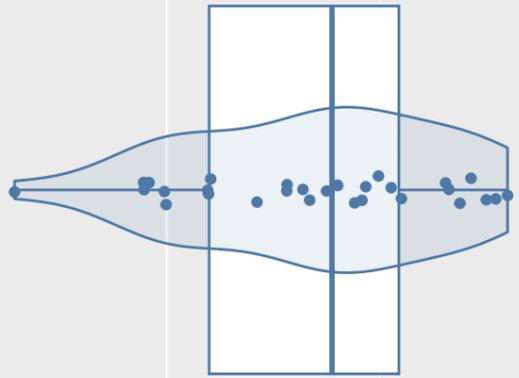
0.054 0.056 0.058 0.060 0.062 0.064 0.066 0.068 0.070 0.072 0.074 0.076 0.078

Duration, seconds

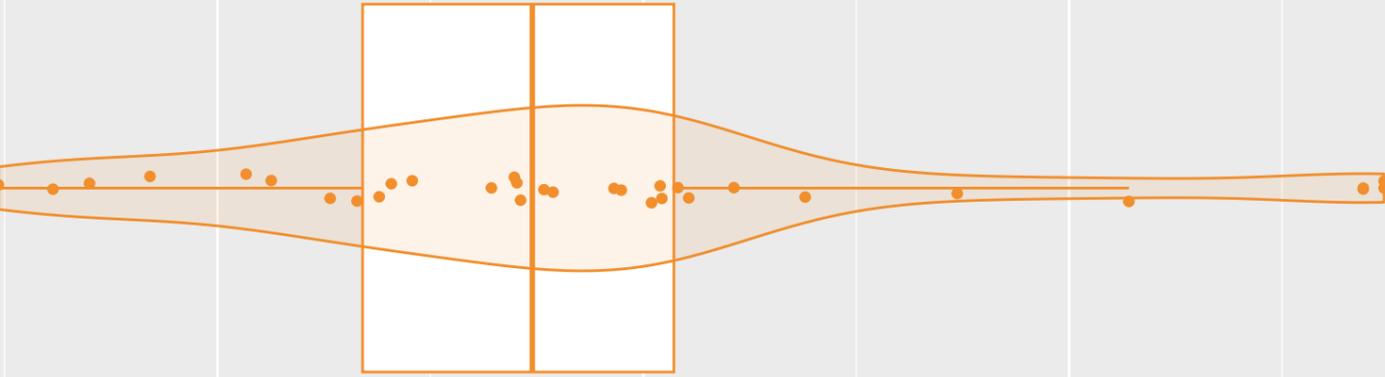
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-marshall/intext\_par

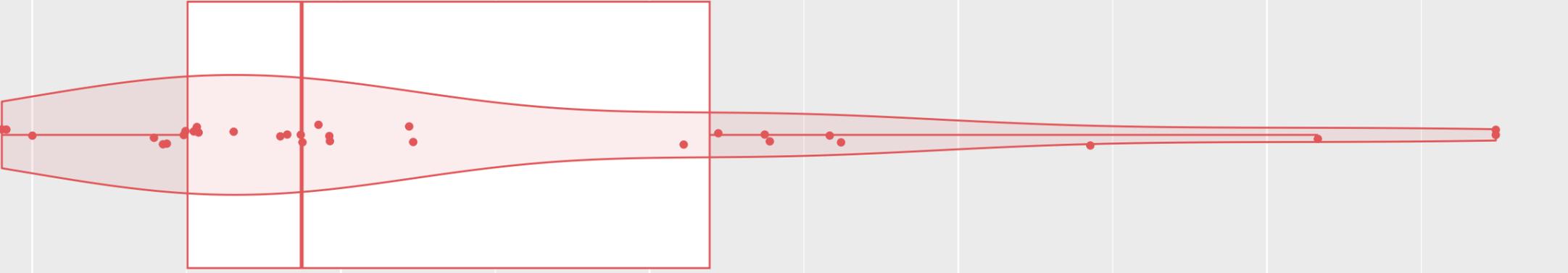
barriers



trunk



trunk+backports



4.0

4.5

Duration, seconds

5.0

5.5

6.0

6.5

7.0

RT Version



barriers



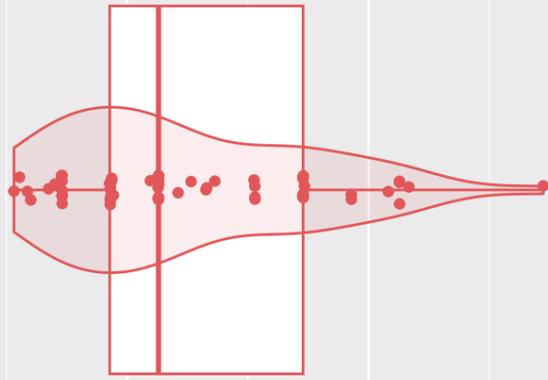
trunk



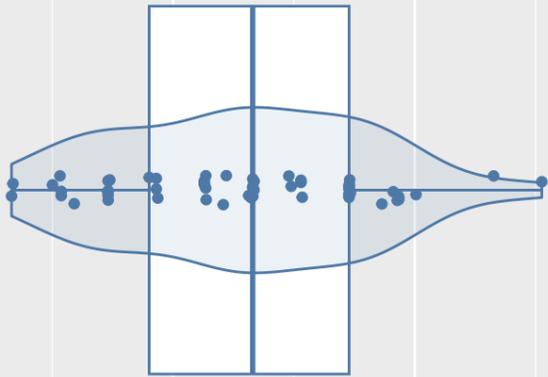
trunk+backports

# lib-set/testmap

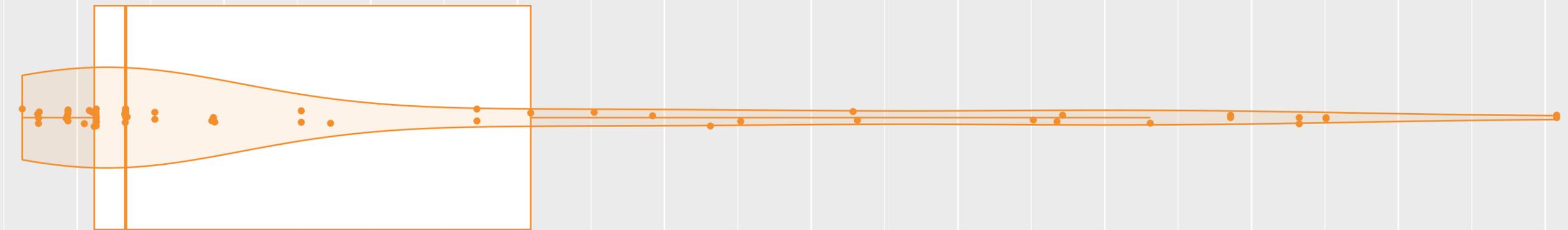
trunk+backports



barriers



trunk



Duration, seconds

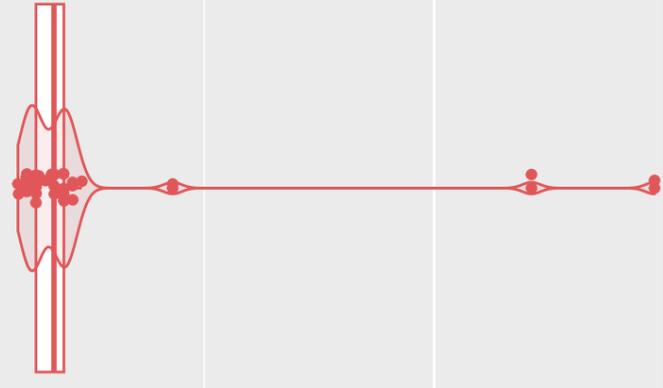
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-runtime-events/test\_caml

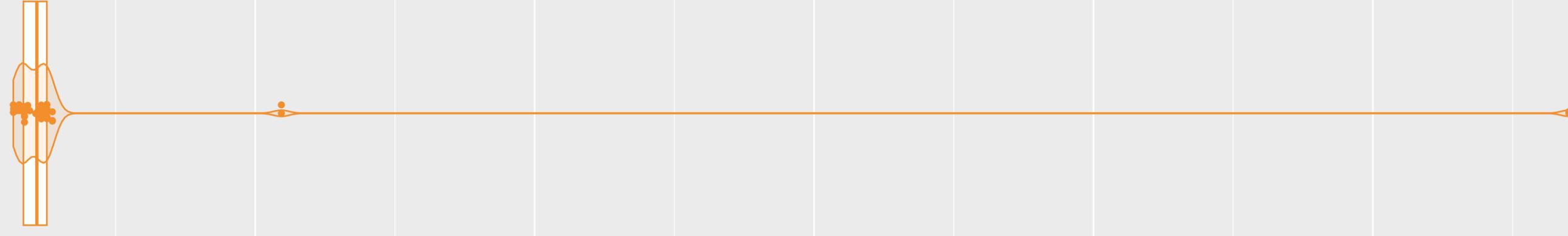
barriers



trunk+backports



trunk



0.10

0.15

0.20

0.25

0.30

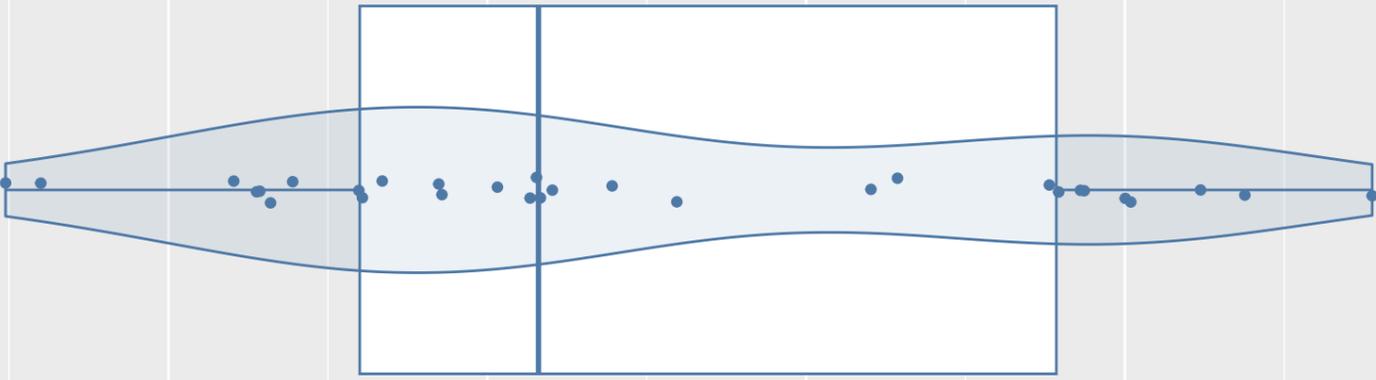
0.35

Duration, seconds

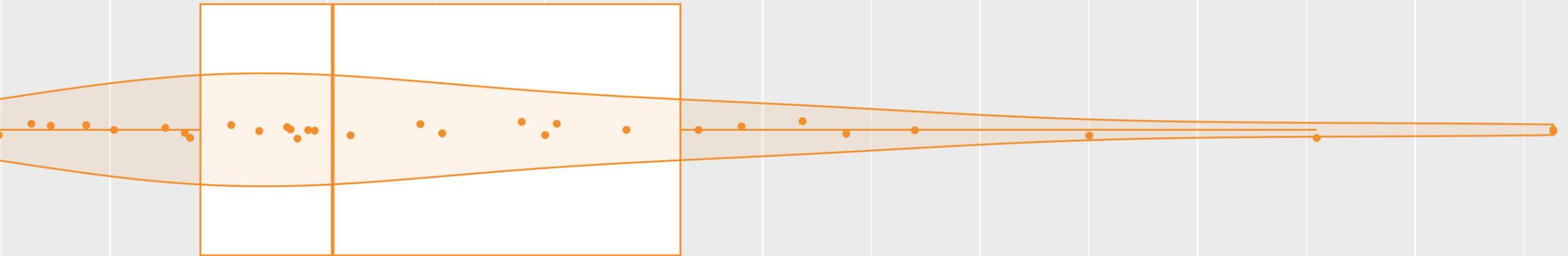
RT Version ■ barriers ■ trunk ■ trunk+backports

# If\_skiplist/test\_parallel

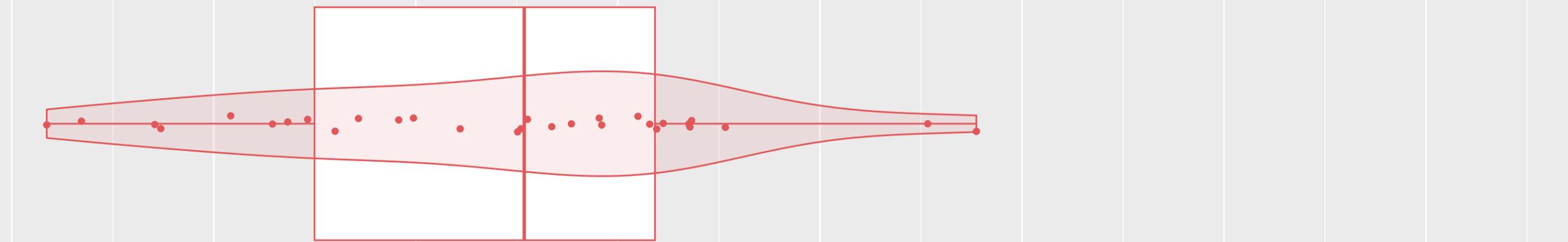
barriers



trunk



trunk+backports



3.0

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

Duration, seconds

RT Version



barriers



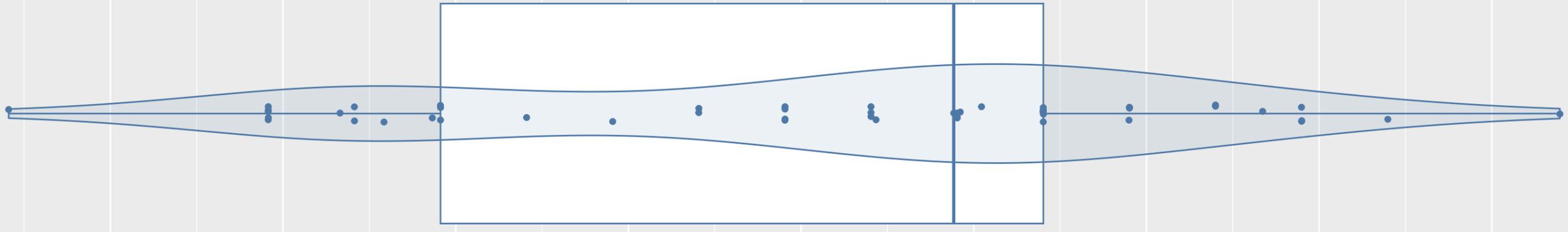
trunk



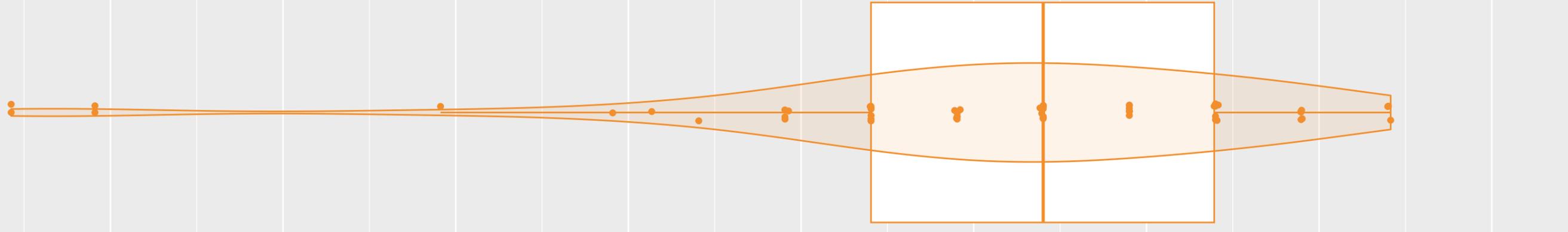
trunk+backports

# parallel/tak

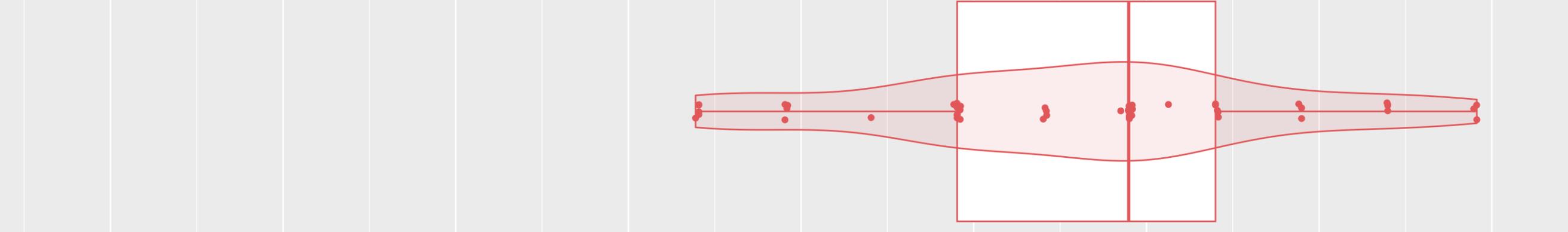
barriers



trunk



trunk+backports



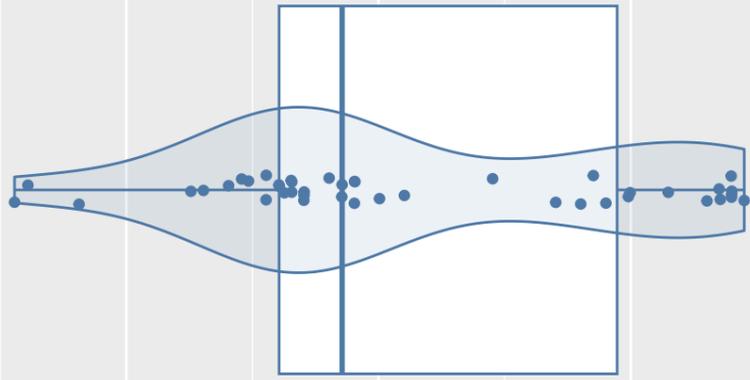
0.060 0.062 0.064 0.066 0.068 0.070 0.072 0.074 0.076 0.078

Duration, seconds

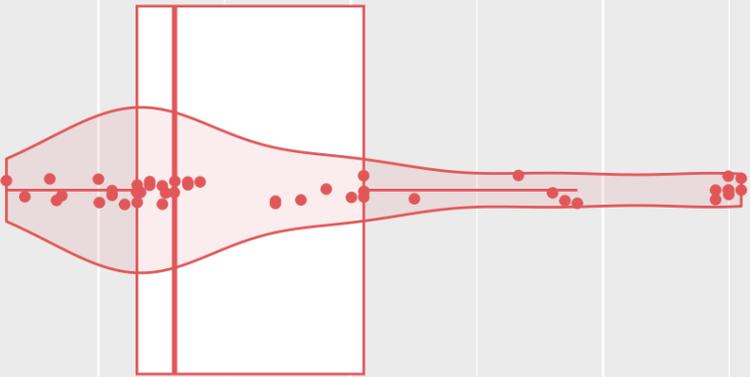
RT Version barriers trunk trunk+backports

# gc-roots/globroots\_sequential

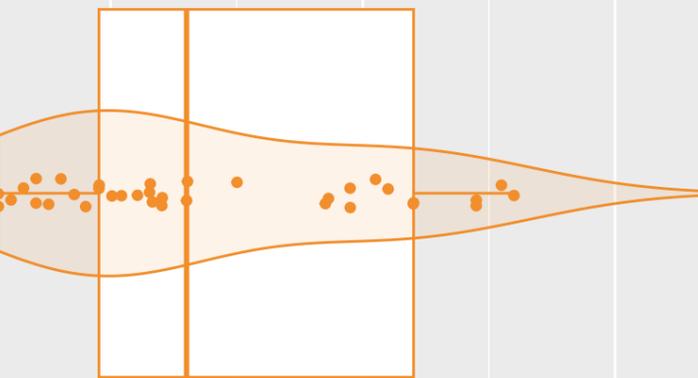
barriers



trunk+backports



trunk



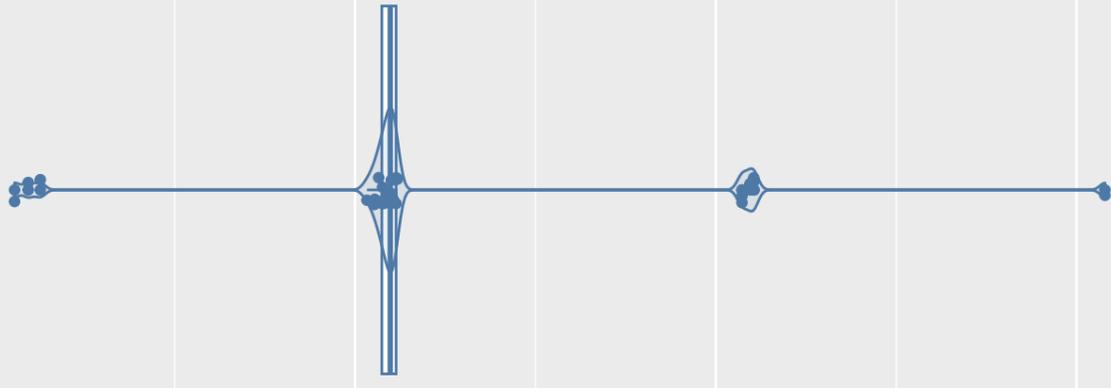
0.70 0.72 0.74 0.76 0.78 0.80 0.82 0.84 0.86 0.88 0.90

Duration, seconds

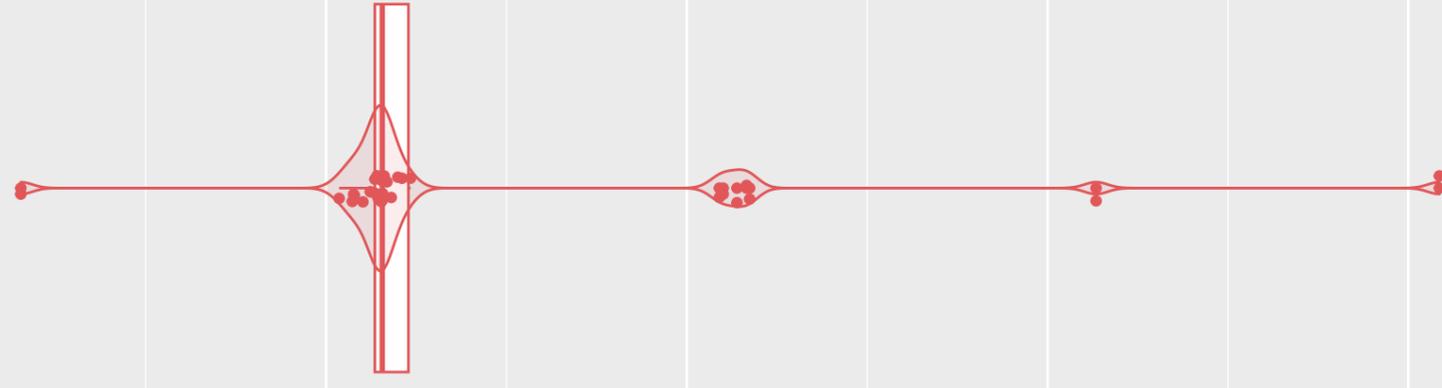
RT Version ■ barriers ■ trunk ■ trunk+backports

# parallel/fib\_threads

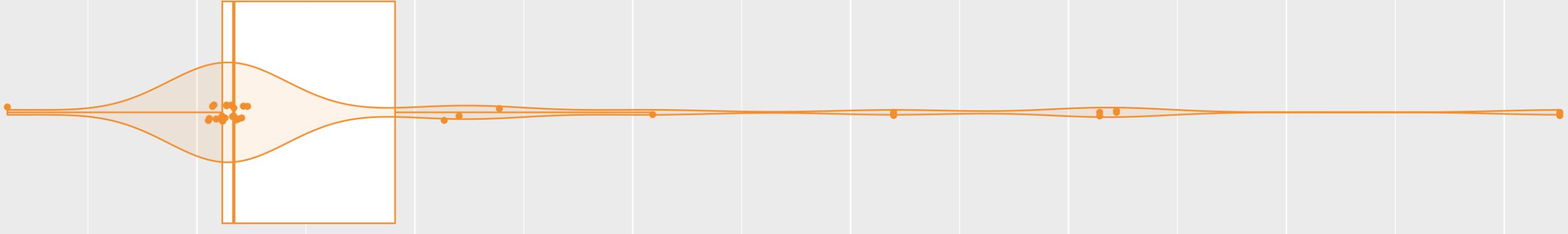
barriers



trunk+backports



trunk



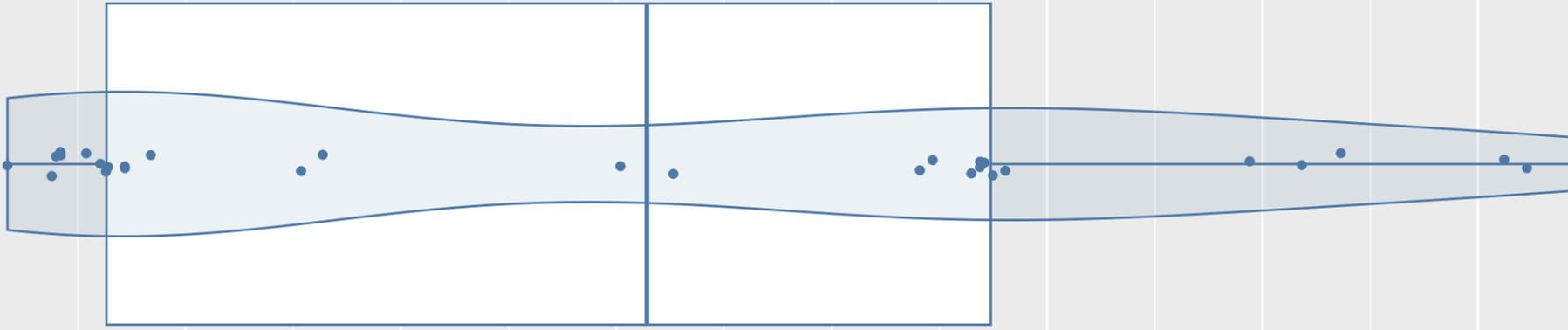
2.35 2.40 2.45 2.50 2.55 2.60 2.65 2.70

Duration, seconds

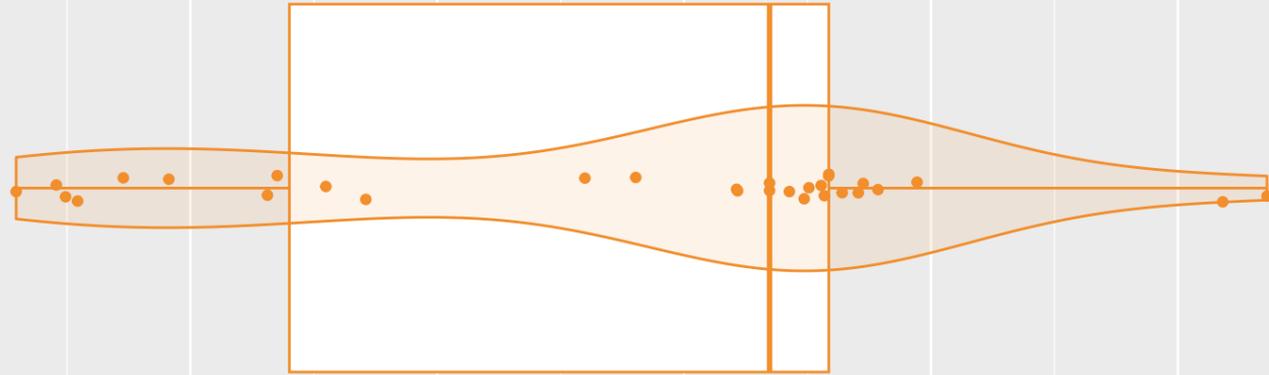
RT Version barriers trunk trunk+backports

# regression/pr9853/compaction\_corner\_case

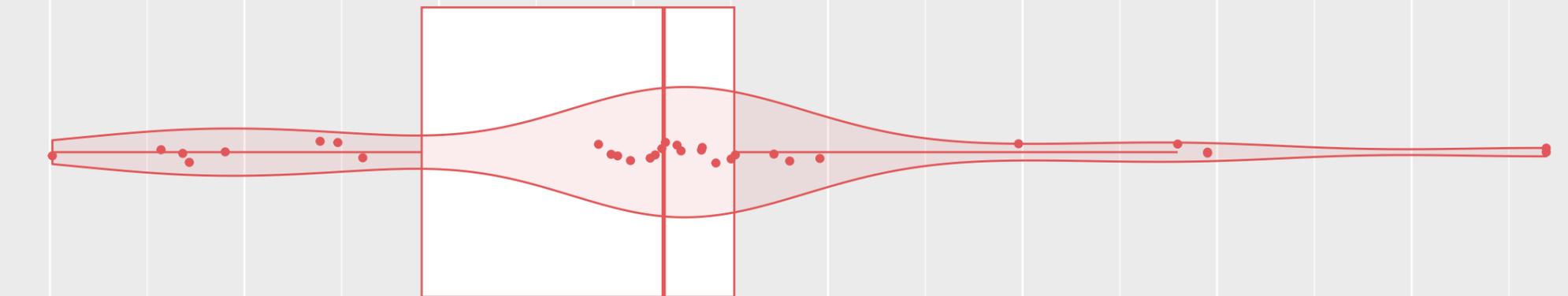
barriers



trunk



trunk+backports



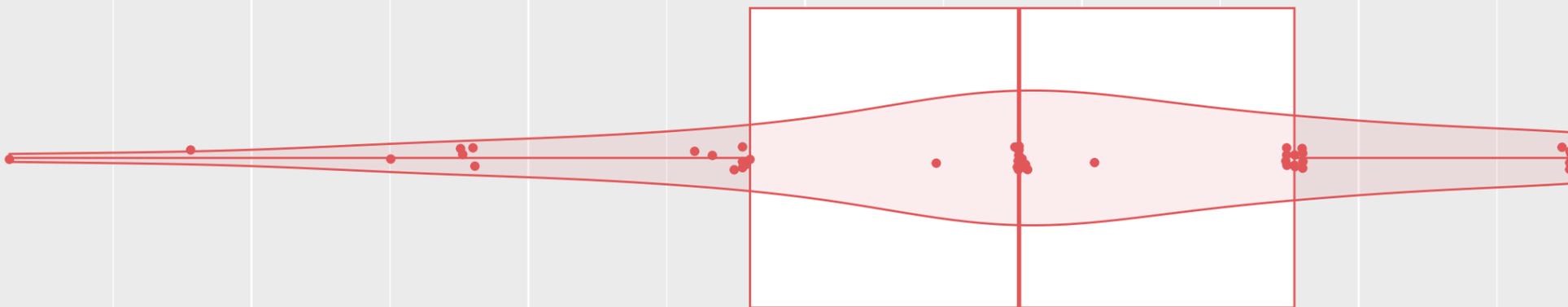
2.60 2.65 2.70 2.75 2.80 2.85 2.90 2.95 3.00 3.05 3.10 3.15

Duration, seconds

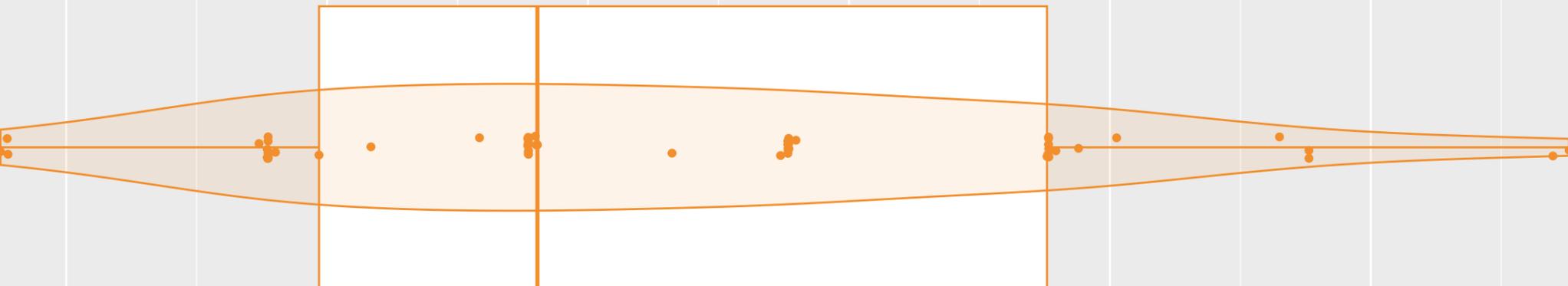
RT Version barriers trunk trunk+backports

# misc/bdd

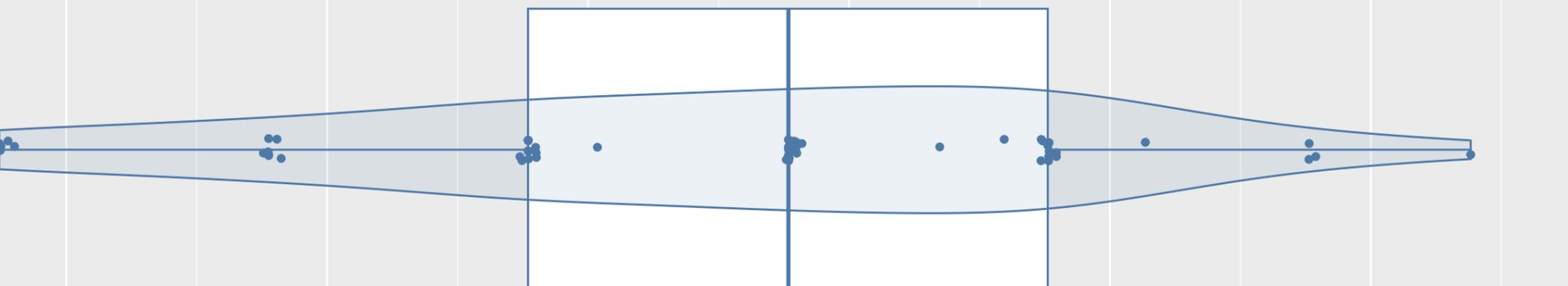
trunk+backports



trunk



barriers



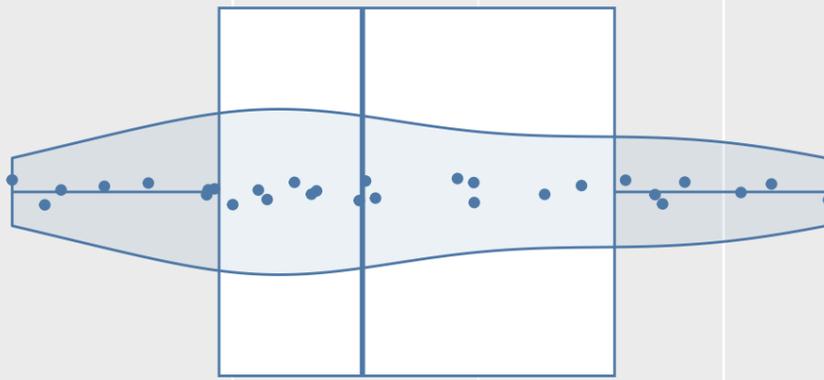
0.082 0.083 0.084 0.085 0.086 0.087 0.088 0.089 0.090

Duration, seconds

RT Version ■ barriers ■ trunk ■ trunk+backports

# parallel/multicore\_systhreads

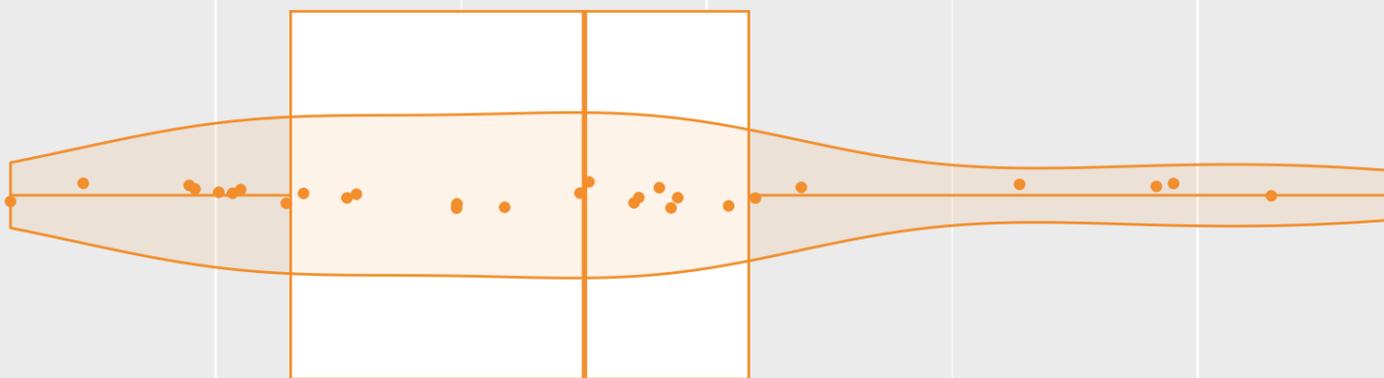
barriers



trunk+backports



trunk



3.040

3.045

3.050

3.055

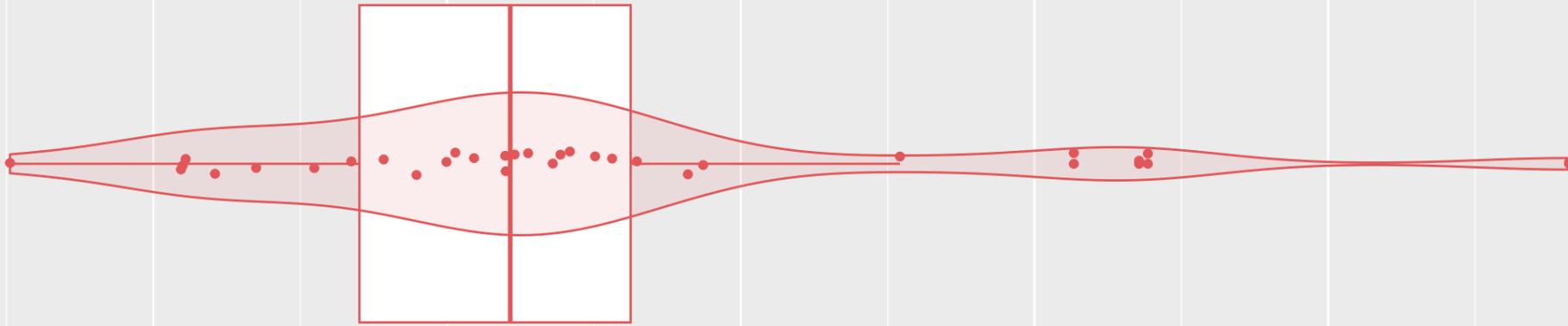
3.060

Duration, seconds

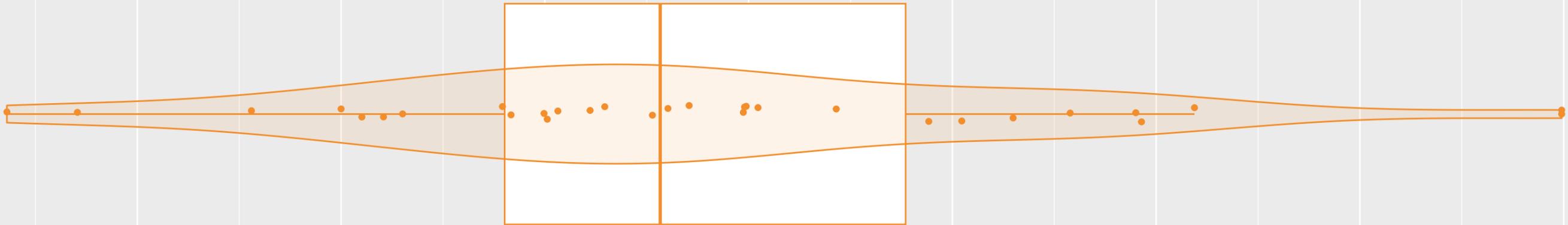
RT Version ■ barriers ■ trunk ■ trunk+backports

# parallel/backup\_thread\_pipe

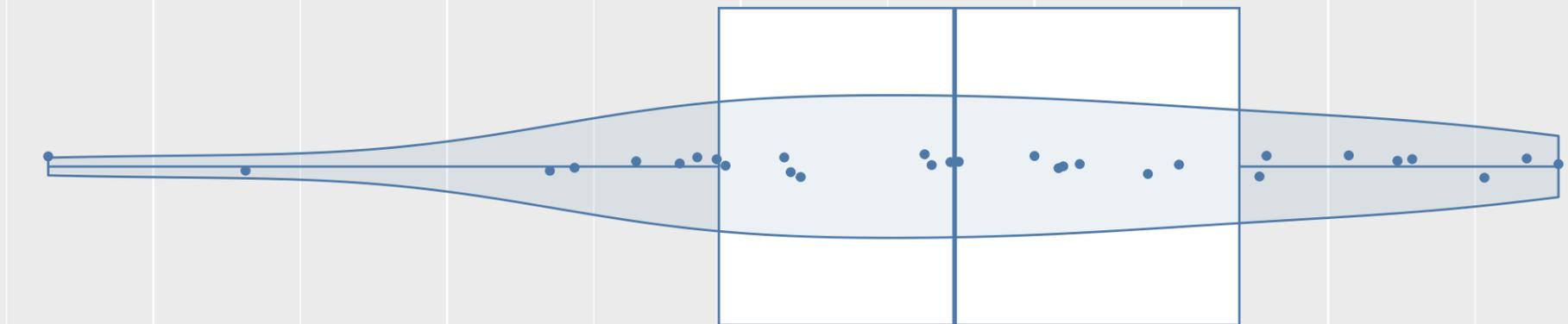
trunk+backports



trunk



barriers



3.0120

3.0125

3.0130

3.0135

3.0140

3.0145

3.0150

3.0155

3.0160

Duration, seconds

RT Version



barriers



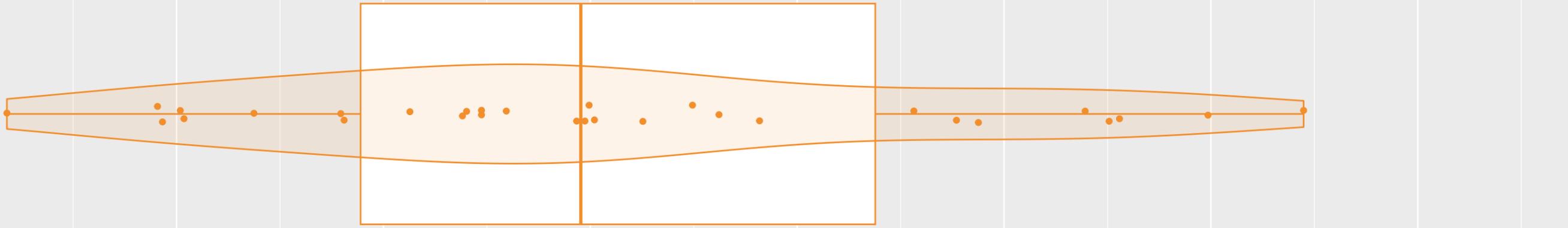
trunk



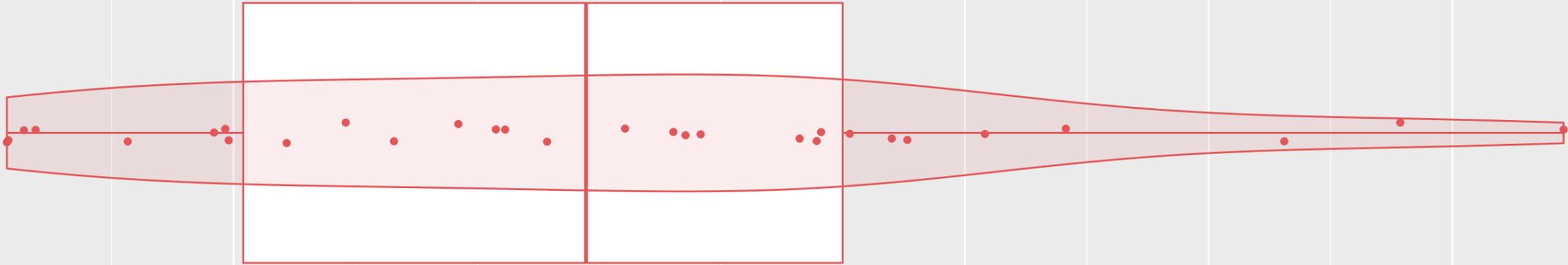
trunk+backports

# parallel/test\_c\_thread\_register

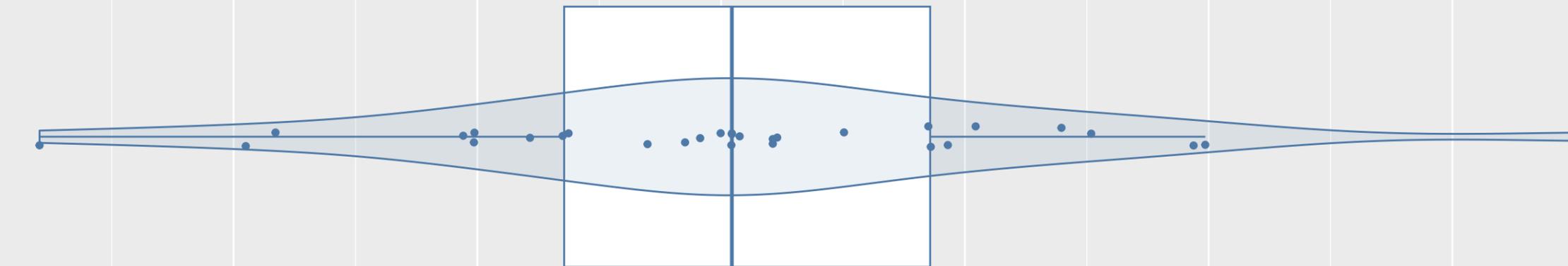
trunk



trunk+backports



barriers



1.0120

1.0125

1.0130

1.0135

1.0140

1.0145

1.0150

1.0155

1.0160

Duration, seconds

RT Version



barriers



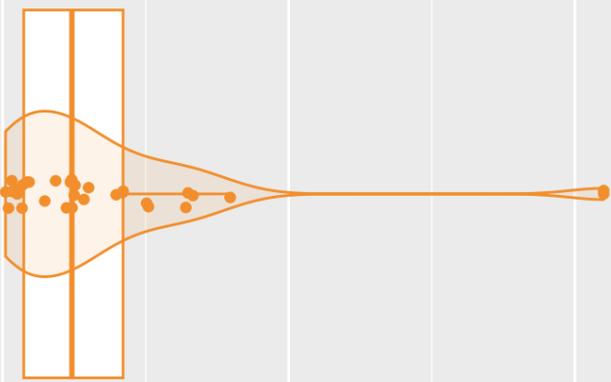
trunk



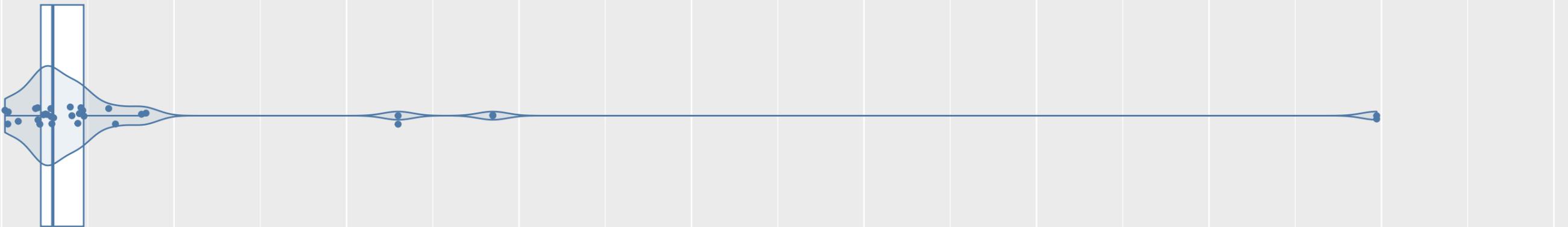
trunk+backports

# lib-systhreads/boundscheck

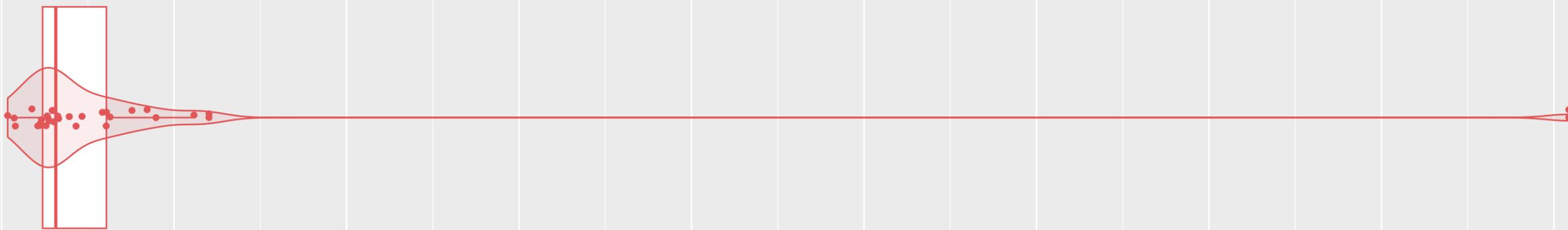
trunk



barriers



trunk+backports



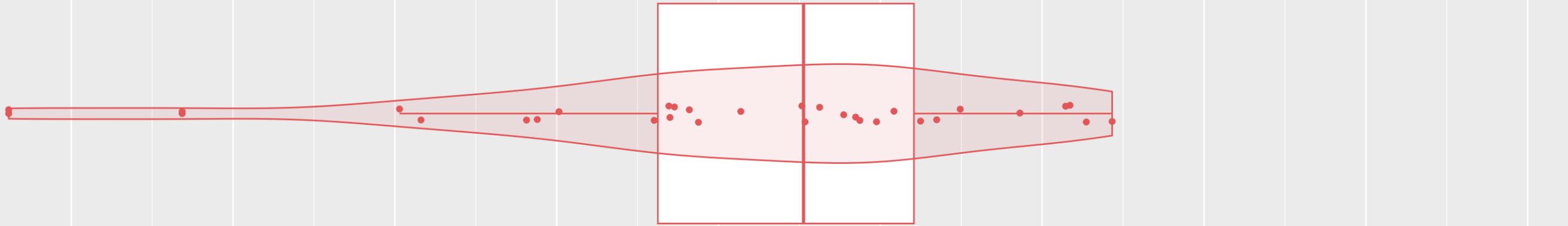
8.45 8.50 8.55 8.60 8.65 8.70 8.75 8.80 8.85 8.90

Duration, seconds

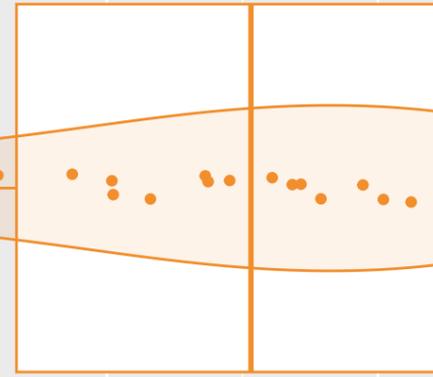
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-unix/win-channel-of/parallel\_channel\_of

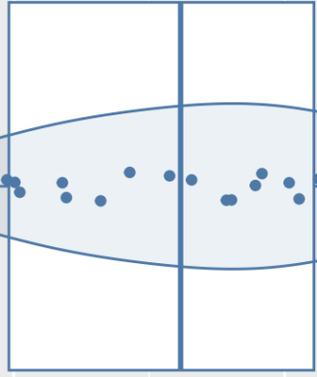
trunk+backports



trunk



barriers



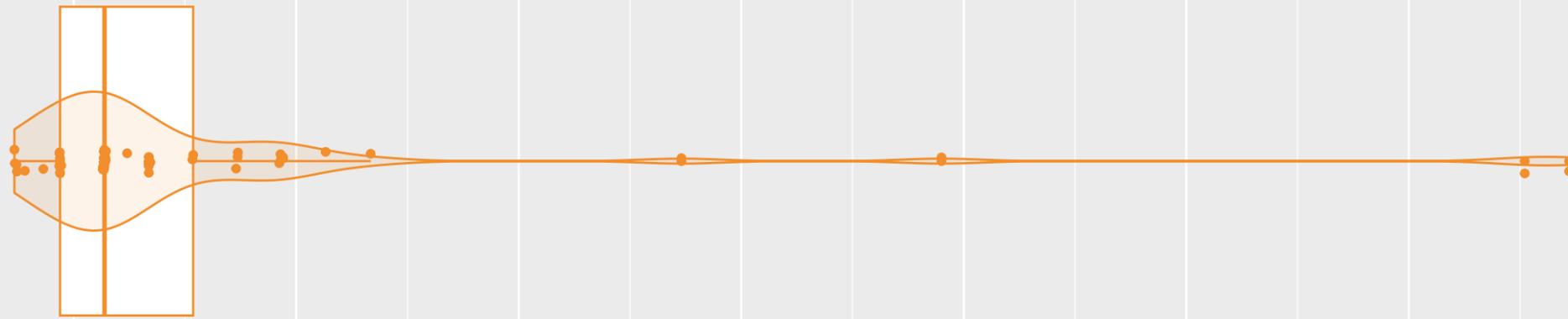
5.155 5.160 5.165 5.170 5.175 5.180 5.185 5.190 5.195 5.200

Duration, seconds

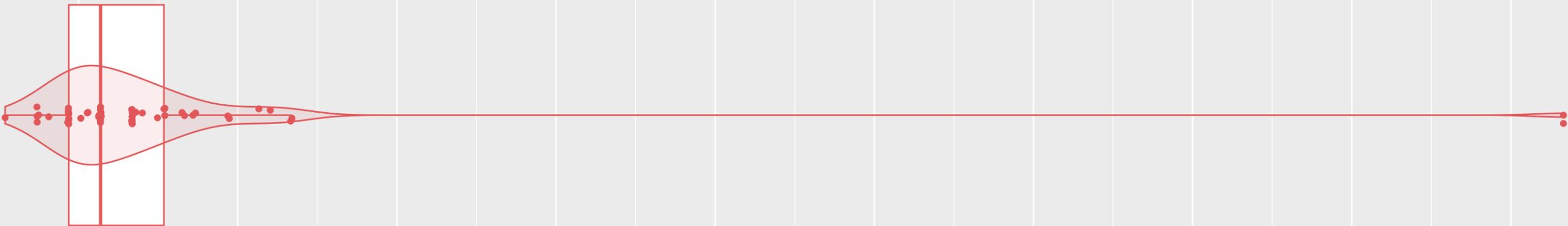
RT Version ■ barriers ■ trunk ■ trunk+backports

# regression/pr7798/pr7798

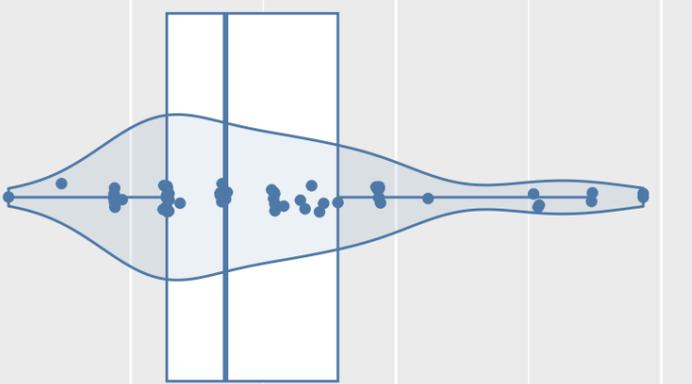
trunk



trunk+backports



barriers



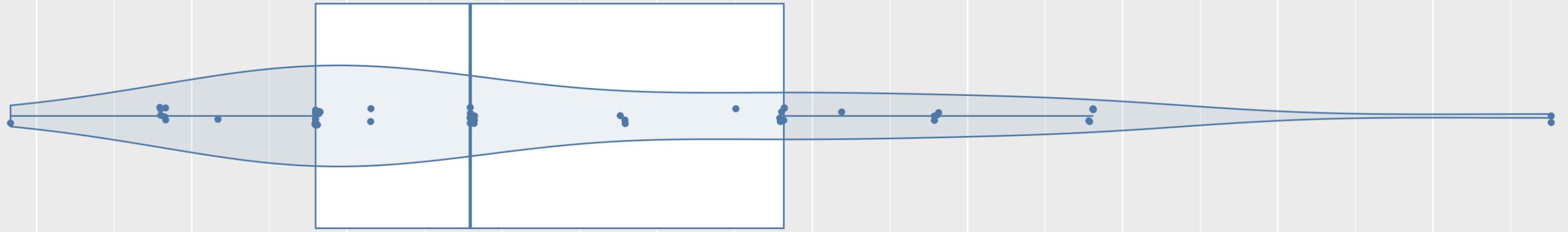
0.115 0.120 0.125 0.130 0.135 0.140 0.145 0.150 0.155 0.160

Duration, seconds

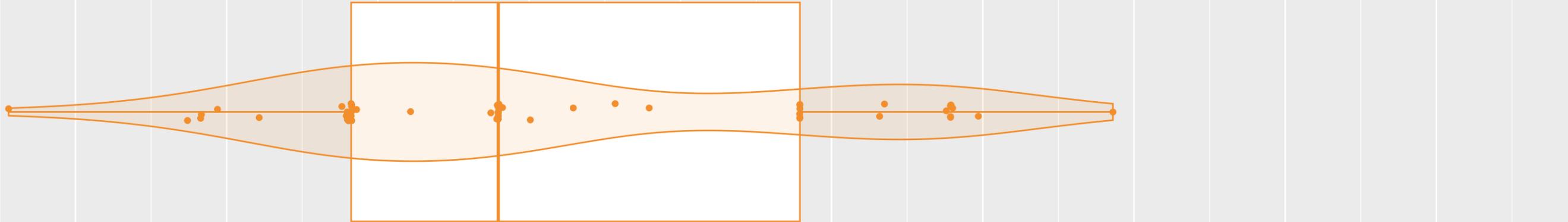
RT Version barriers trunk trunk+backports

# lib-random/chi2

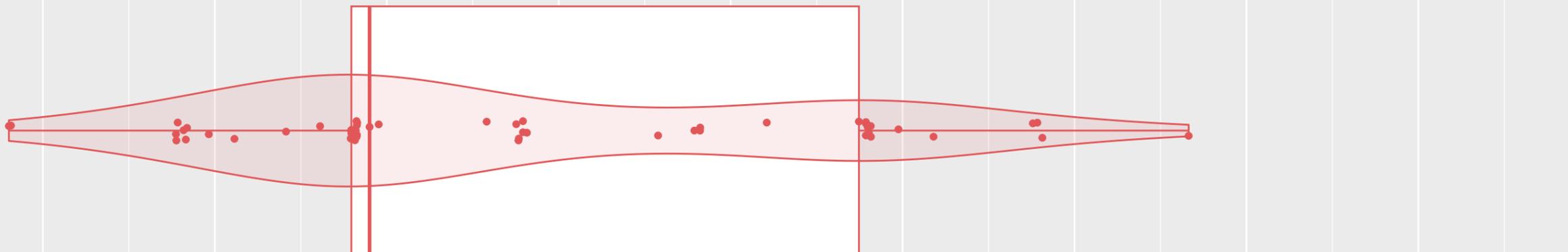
barriers



trunk



trunk+backports



0.074

0.075

0.076

0.077

0.078

0.079

0.080

0.081

0.082

0.083

0.084

Duration, seconds

RT Version



barriers



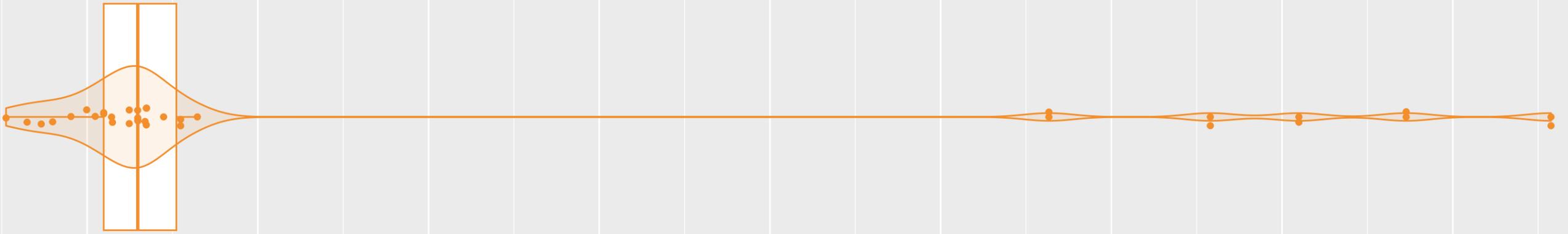
trunk



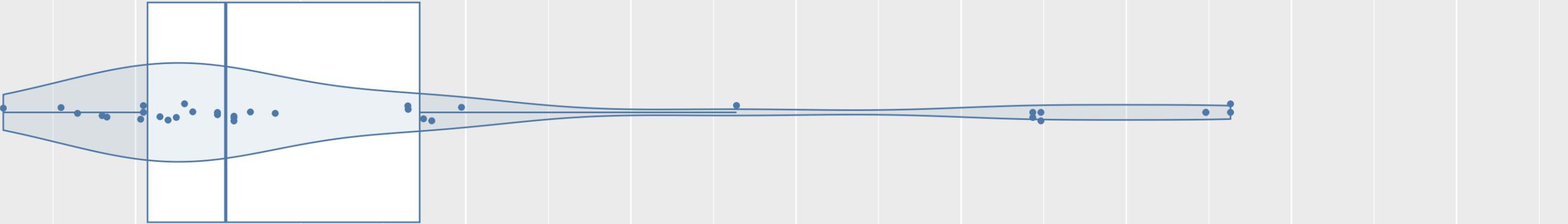
trunk+backports

# weak-ephe-final/weaklifetime

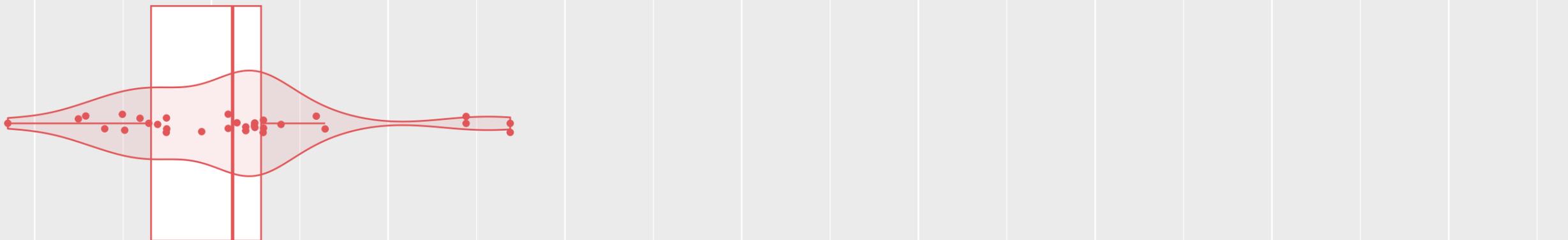
trunk



barriers



trunk+backports



1.12

1.14

1.16

1.18

1.20

1.22

1.24

1.26

1.28

1.30

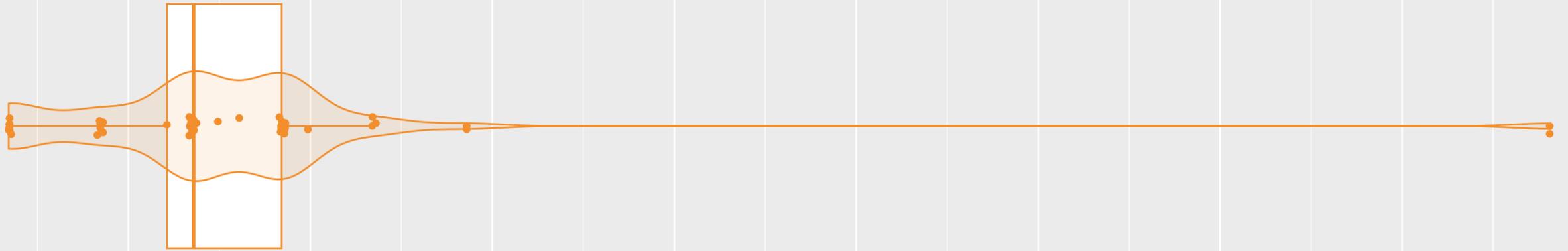
1.32

Duration, seconds

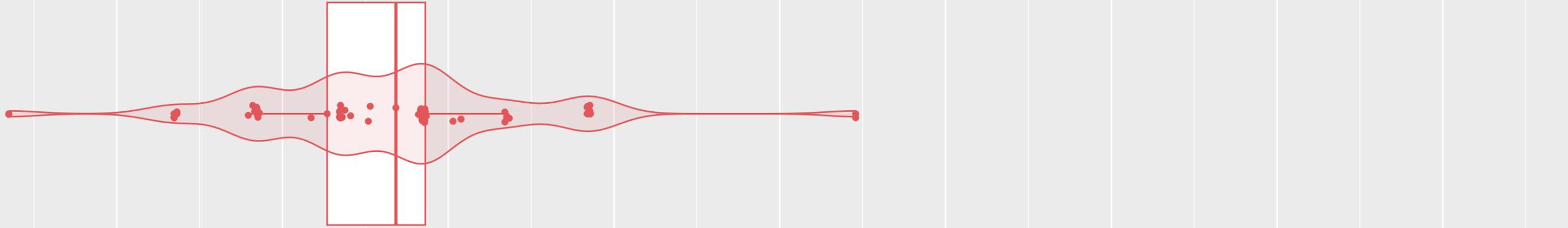
RT Version ■ barriers ■ trunk ■ trunk+backports

# misc/hamming

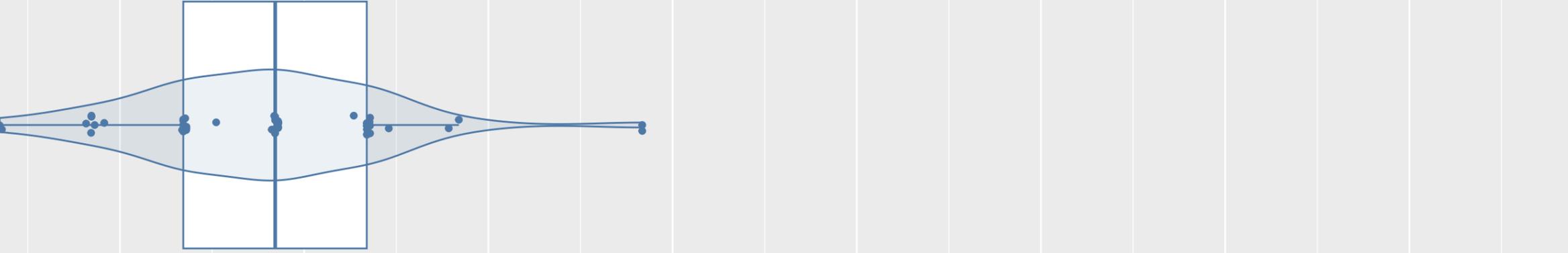
trunk



trunk+backports



barriers



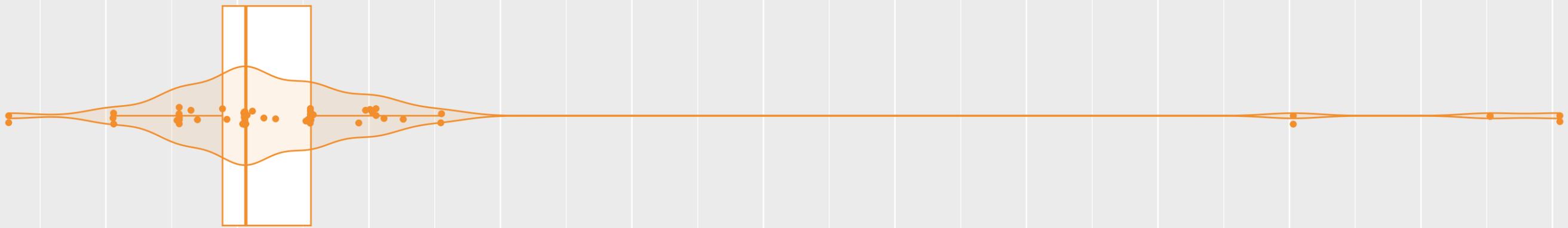
0.112 0.114 0.116 0.118 0.120 0.122 0.124 0.126 0.128 0.130 0.132

Duration, seconds

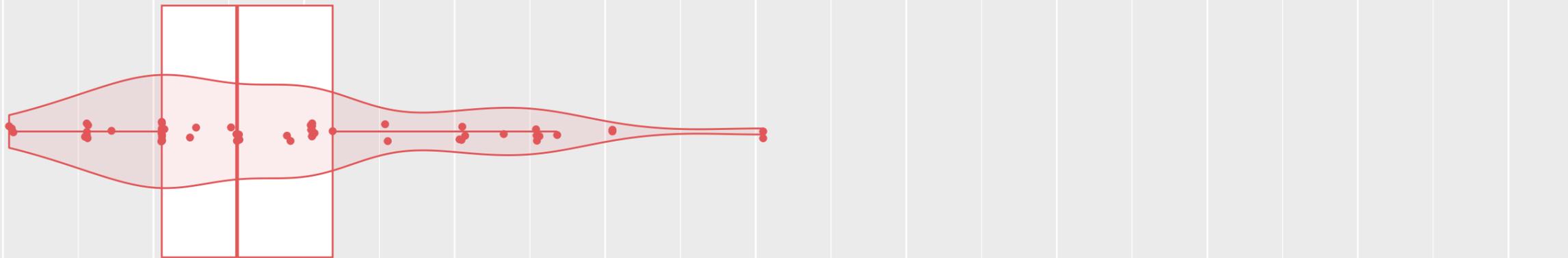
RT Version ■ barriers ■ trunk ■ trunk+backports

# misc/sorts

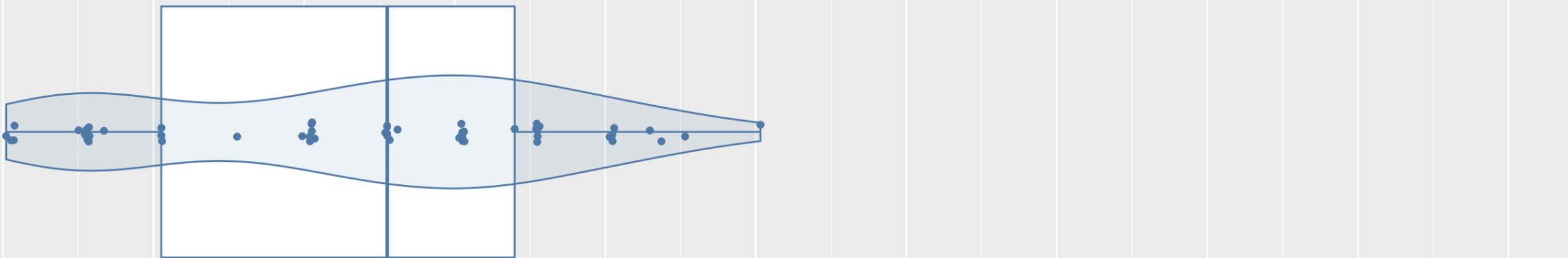
trunk



trunk+backports



barriers



0.328 0.330 0.332 0.334 0.336 0.338 0.340 0.342 0.344 0.346 0.348 0.350 0.352

Duration, seconds

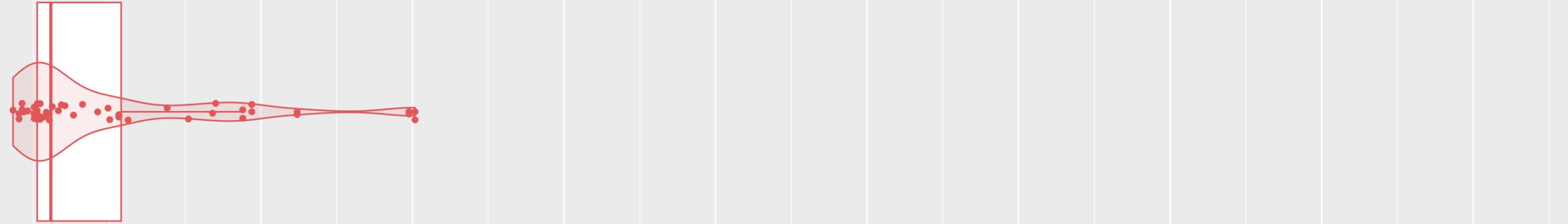
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-bytes-utf/test

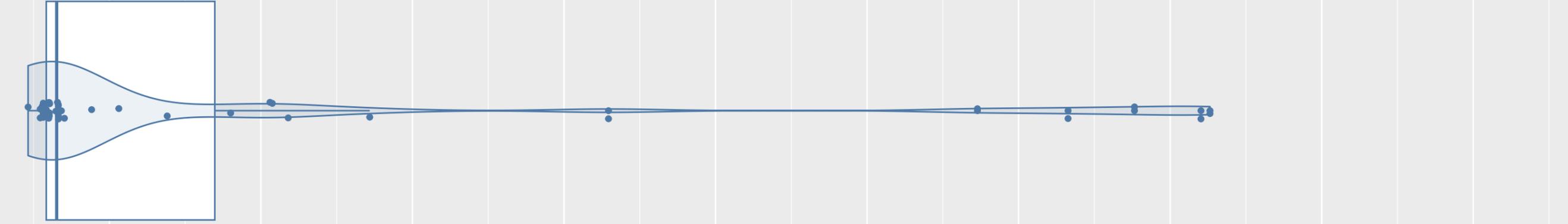
trunk



trunk+backports



barriers



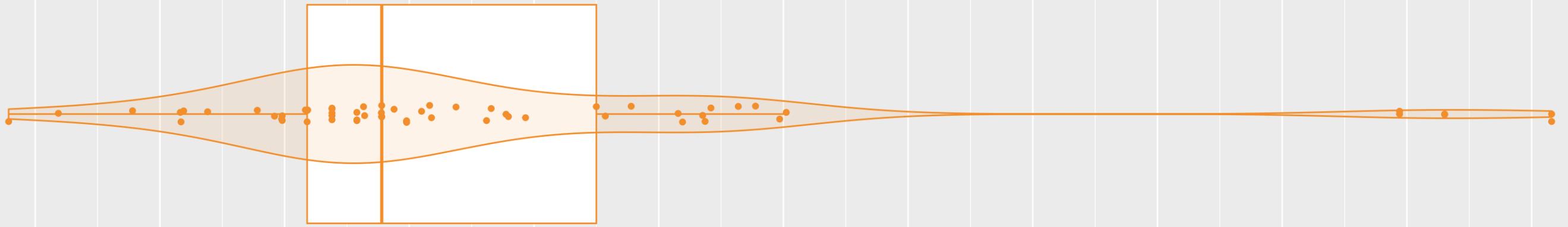
0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20

Duration, seconds

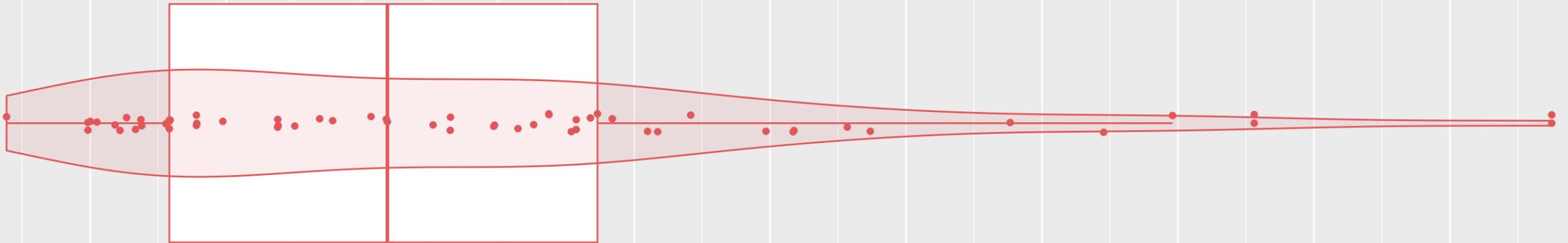
RT Version ■ barriers ■ trunk ■ trunk+backports

# parallel/mctest

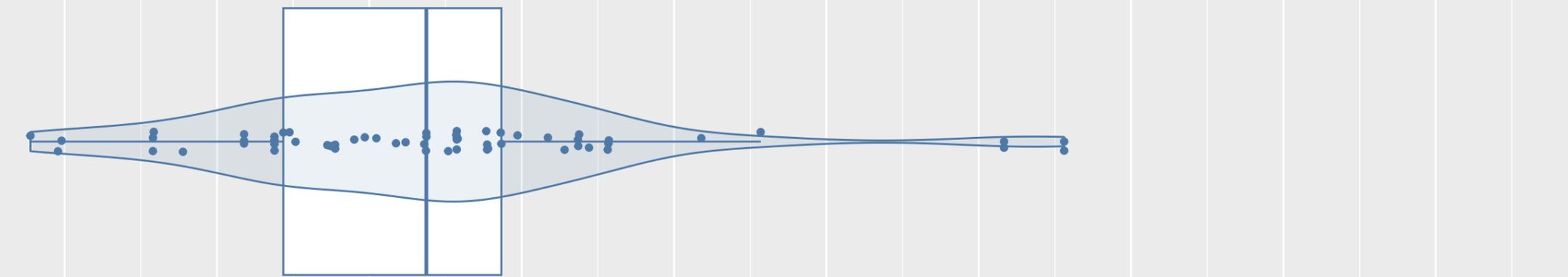
trunk



trunk+backports



barriers



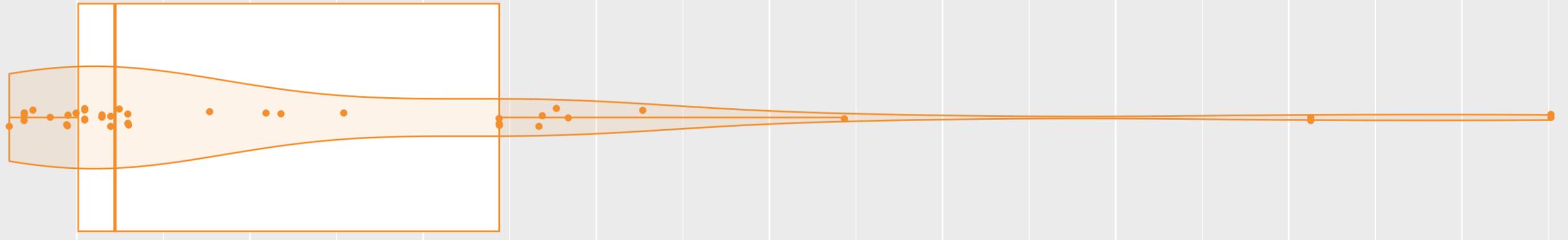
0.400 0.405 0.410 0.415 0.420 0.425 0.430 0.435 0.440 0.445 0.450 0.455 0.460

Duration, seconds

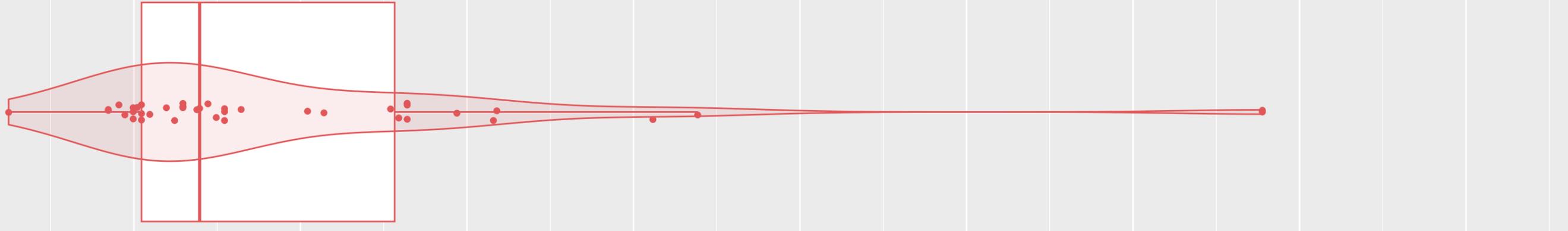
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-buffer/test

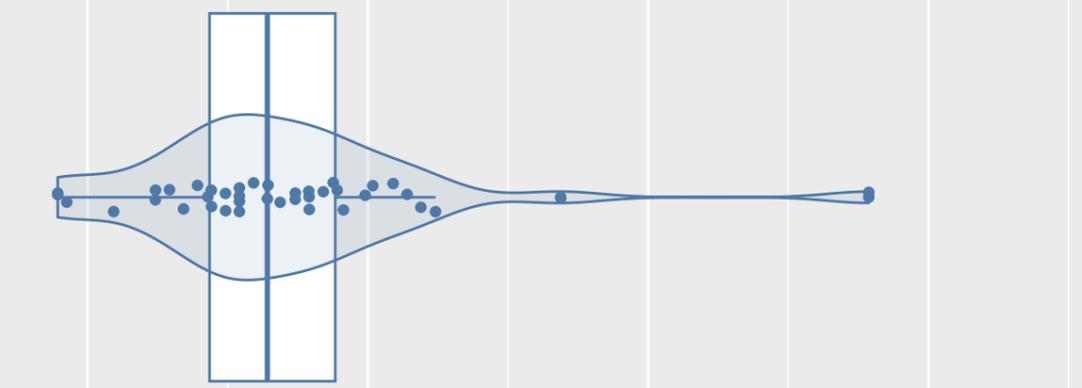
trunk



trunk+backports



barriers



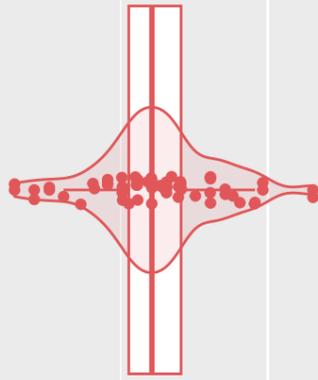
0.76 0.78 0.80 0.82 0.84 0.86 0.88 0.90 0.92 0.94

Duration, seconds

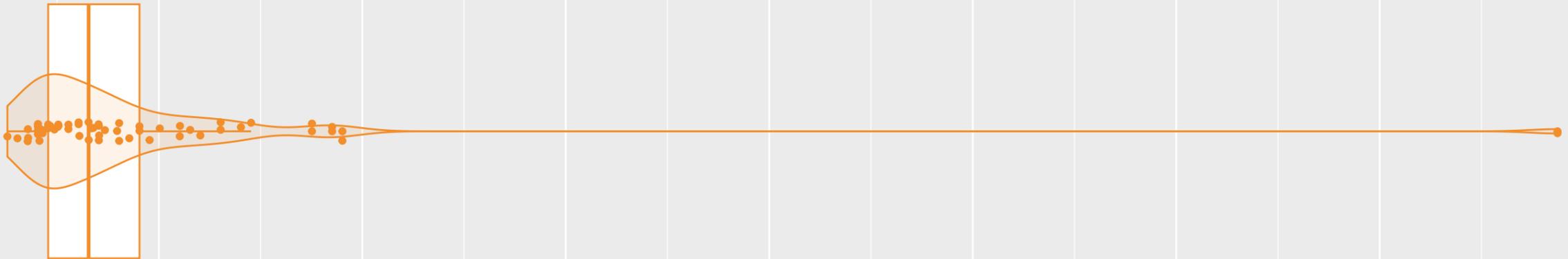
RT Version ■ barriers ■ trunk ■ trunk+backports

# regression/pr3612/pr3612

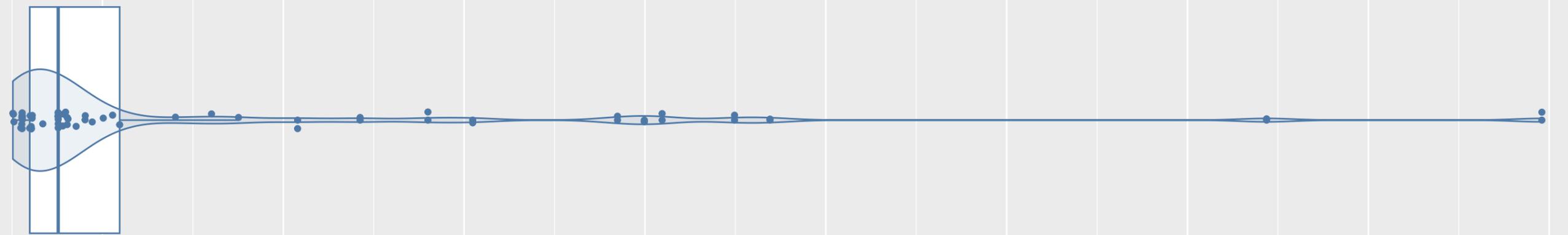
trunk+backports



trunk



barriers



0.32 0.34 0.36 0.38 0.40 0.42 0.44 0.46 0.48 0.50

Duration, seconds

RT Version barriers trunk trunk+backports

# lazy/lazy5

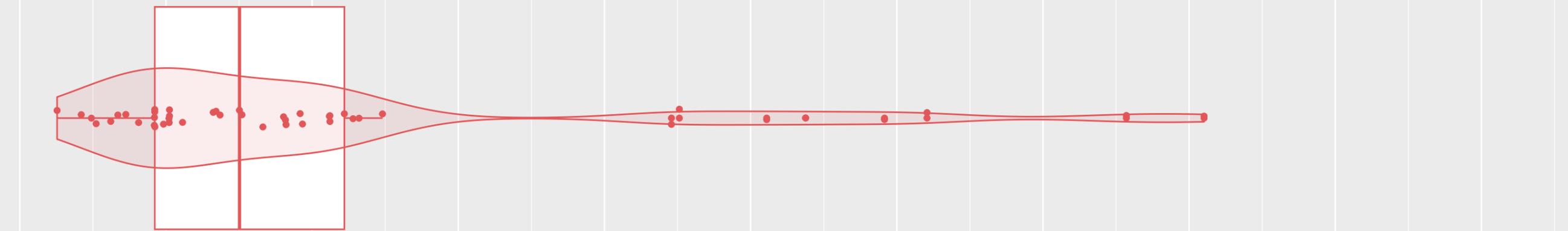
trunk



barriers



trunk+backports

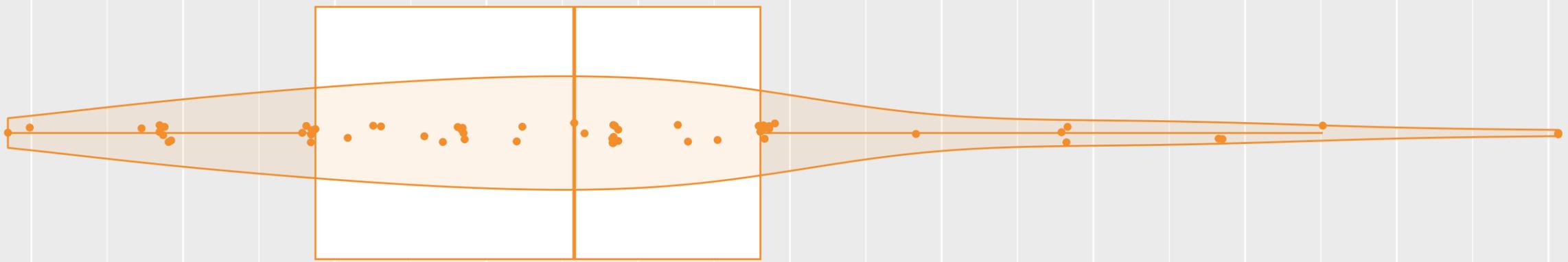


Duration, seconds

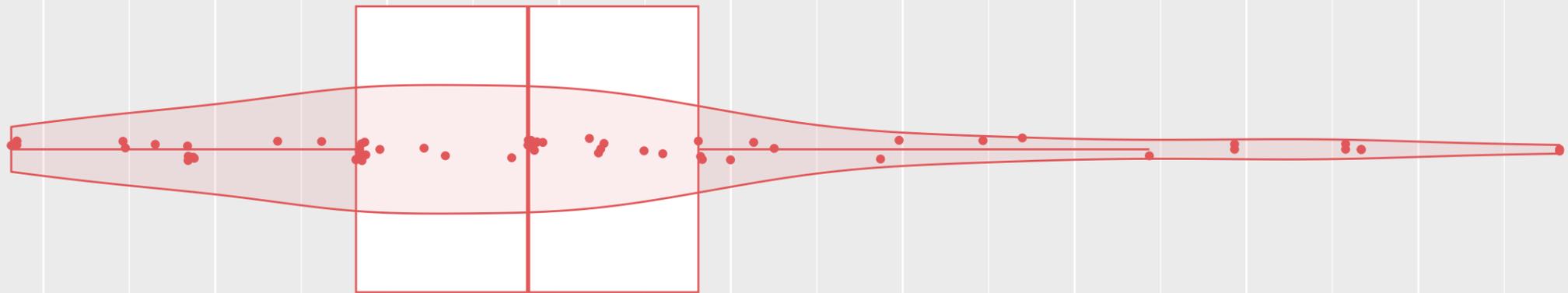
RT Version ■ barriers ■ trunk ■ trunk+backports

# weak-ephe-final/weaktest\_par\_load

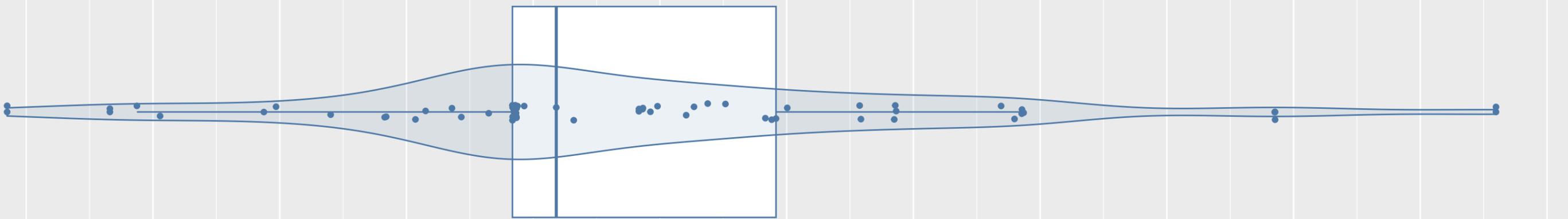
trunk



trunk+backports



barriers

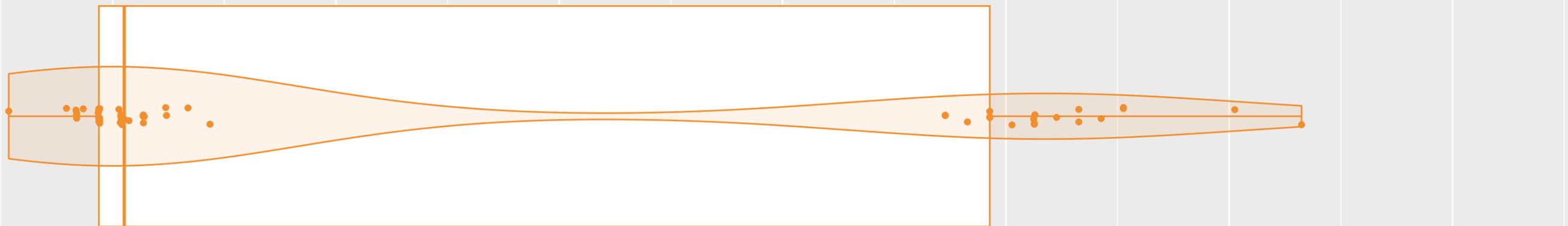


Duration, seconds

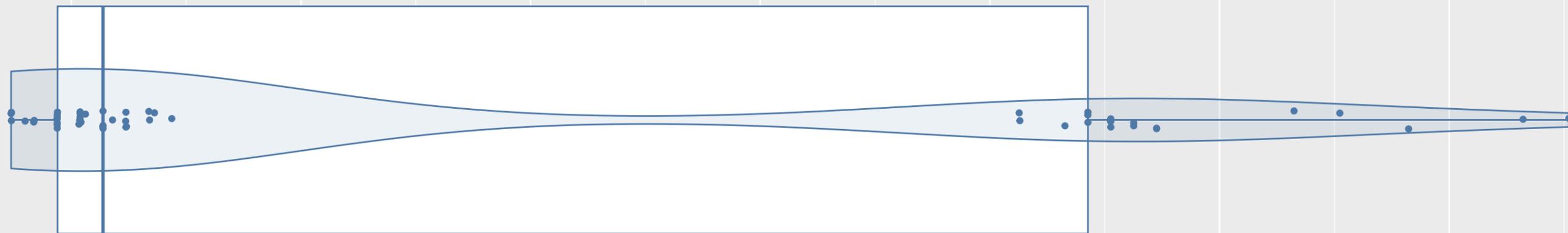
RT Version ■ barriers ■ trunk ■ trunk+backports

# lib-hashtbl/htbl

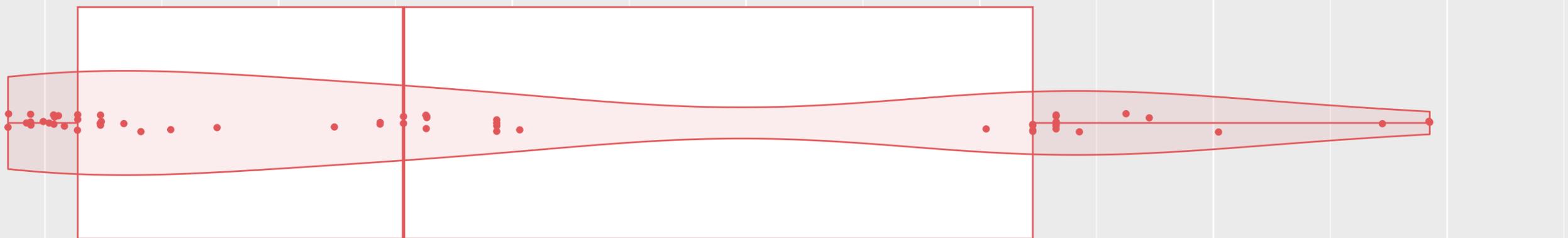
trunk



barriers



trunk+backports



0.23

0.24

0.25

0.26

0.27

0.28

0.29

Duration, seconds

RT Version



barriers



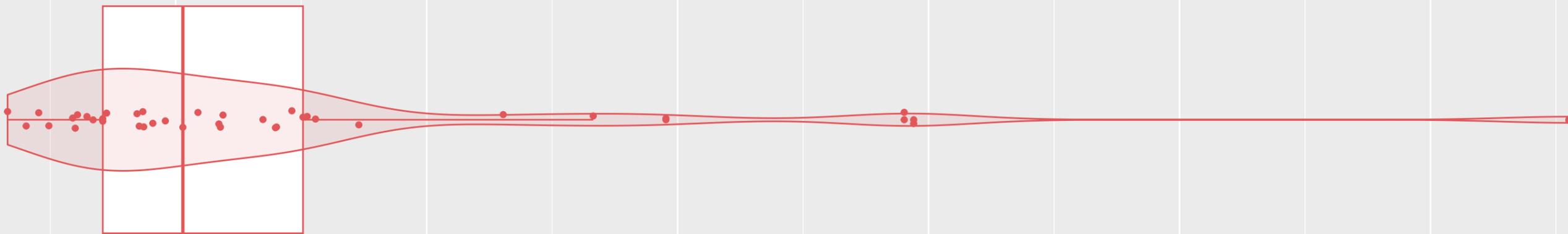
trunk



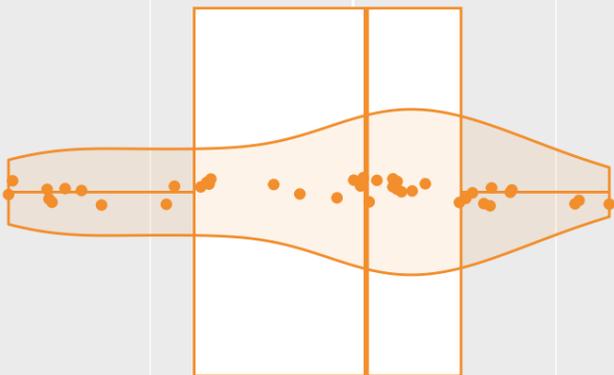
trunk+backports

# lazy/lazy7

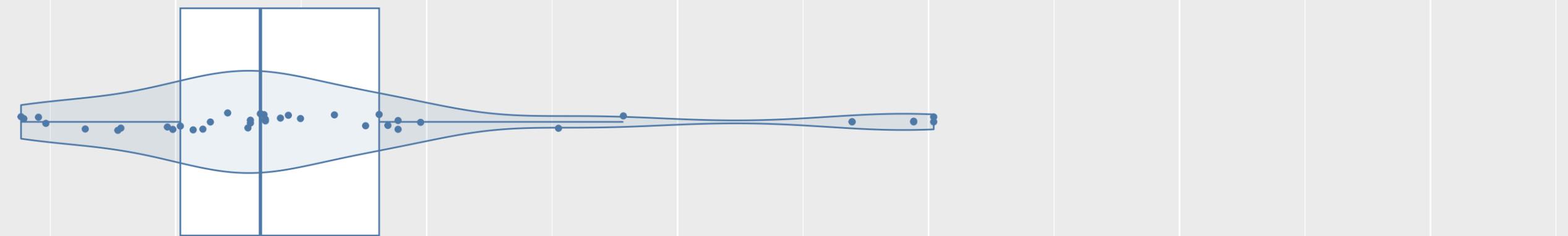
trunk+backports



trunk



barriers



0.7

0.8

0.9

Duration, seconds

1.0

1.1

1.2

1.3

RT Version



barriers



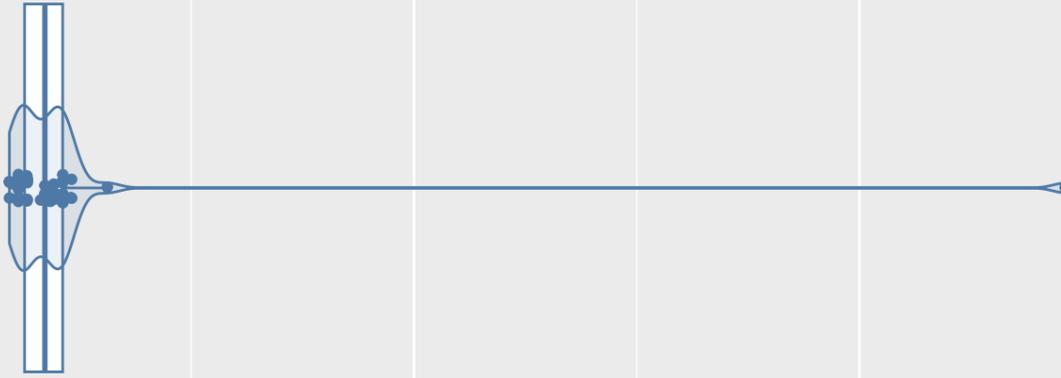
trunk



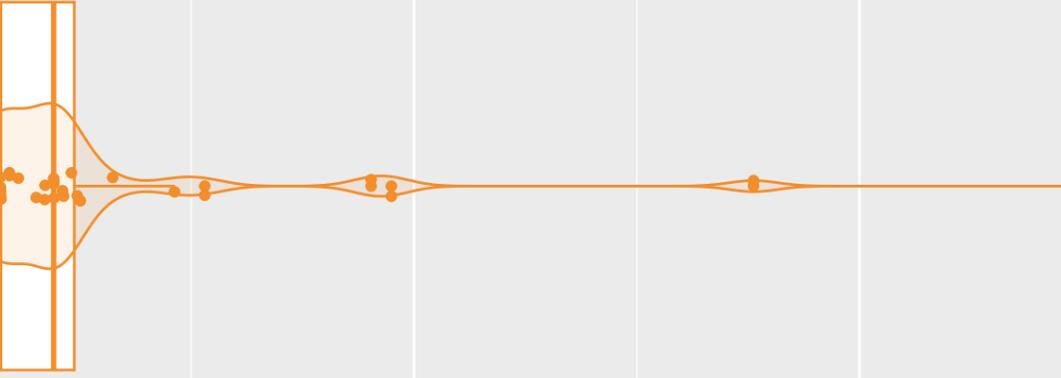
trunk+backports

# lib-runtime-events/test\_instrumented

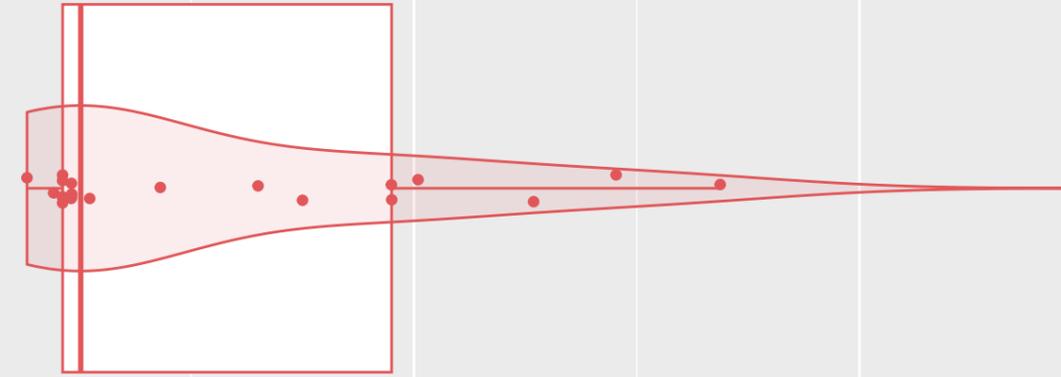
barriers



trunk



trunk+backports

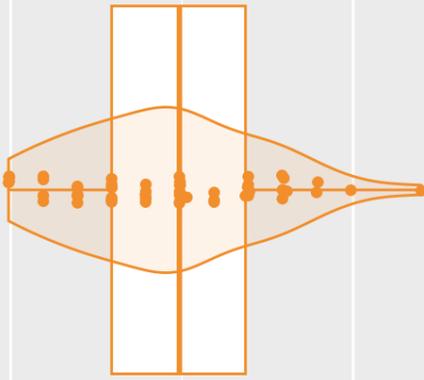


0.15 0.20 0.25 0.30 0.35 0.40 0.45

Duration, seconds

RT Version barriers trunk trunk+backports

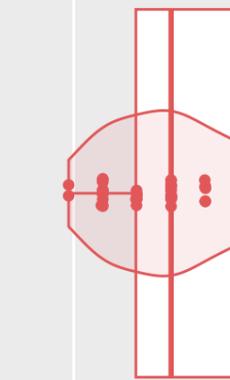
trunk



barriers



trunk+backports



0.39

0.40

0.41

0.42

0.43

0.44

0.45

0.46

Duration, seconds

RT Version



barriers



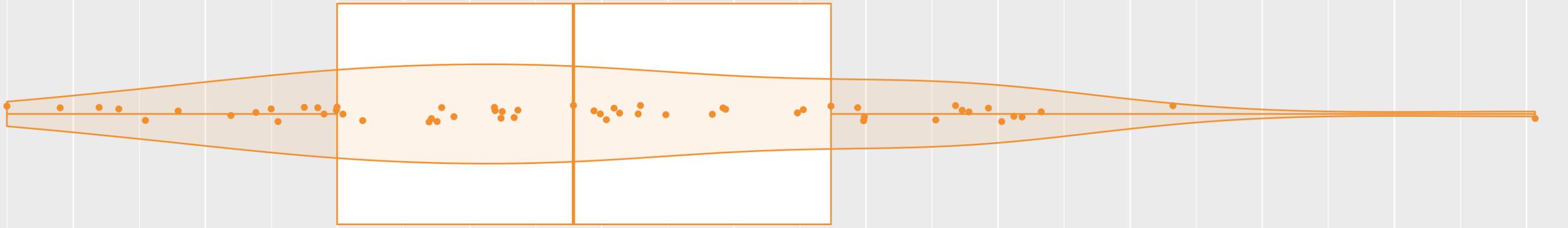
trunk



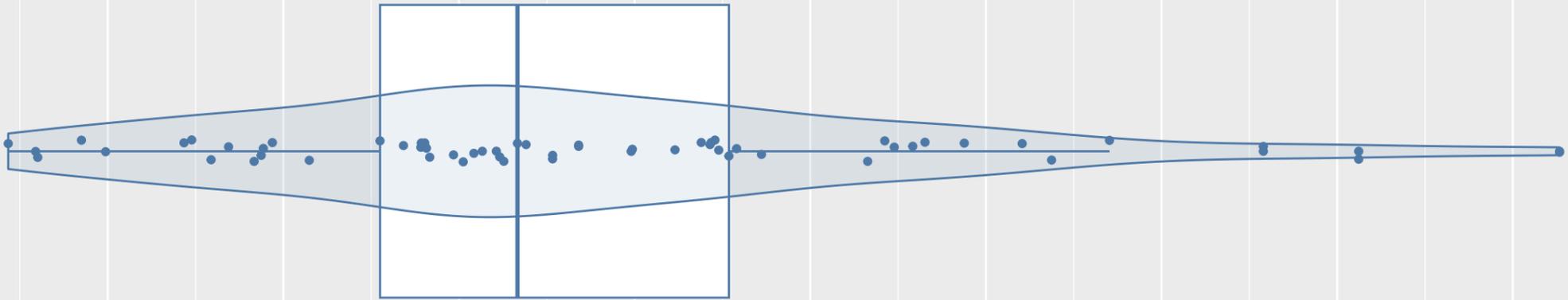
trunk+backports

# parallel/test\_issue\_11094

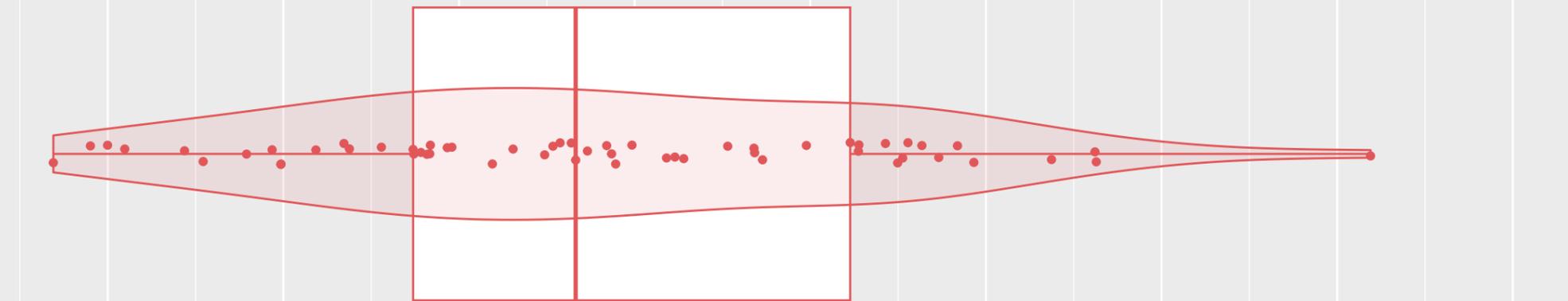
trunk



barriers



trunk+backports



0.38 0.40 0.42 0.44 0.46 0.48 0.50 0.52 0.54 0.56 0.58 0.60 0.62

Duration, seconds

RT Version ■ barriers ■ trunk ■ trunk+backports