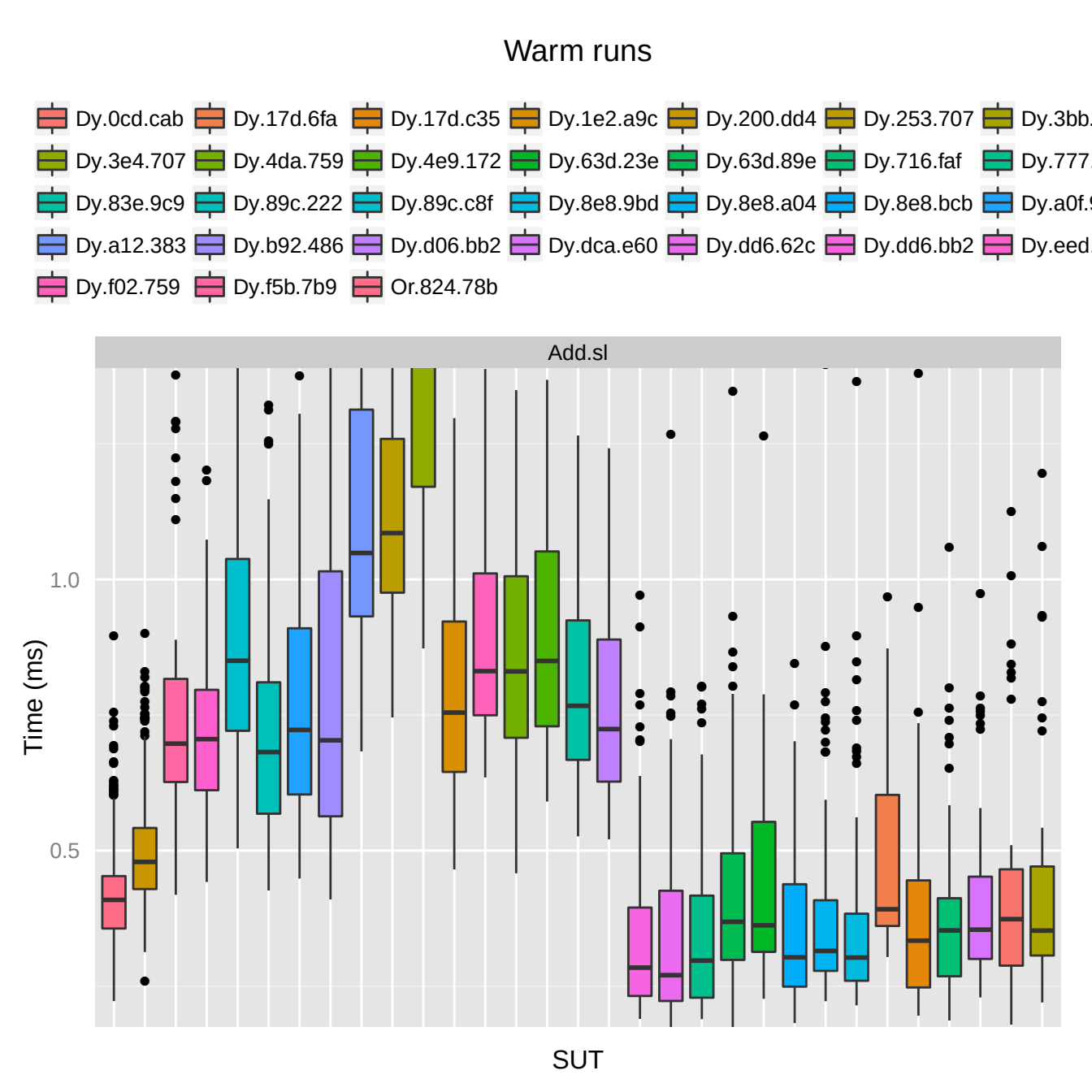
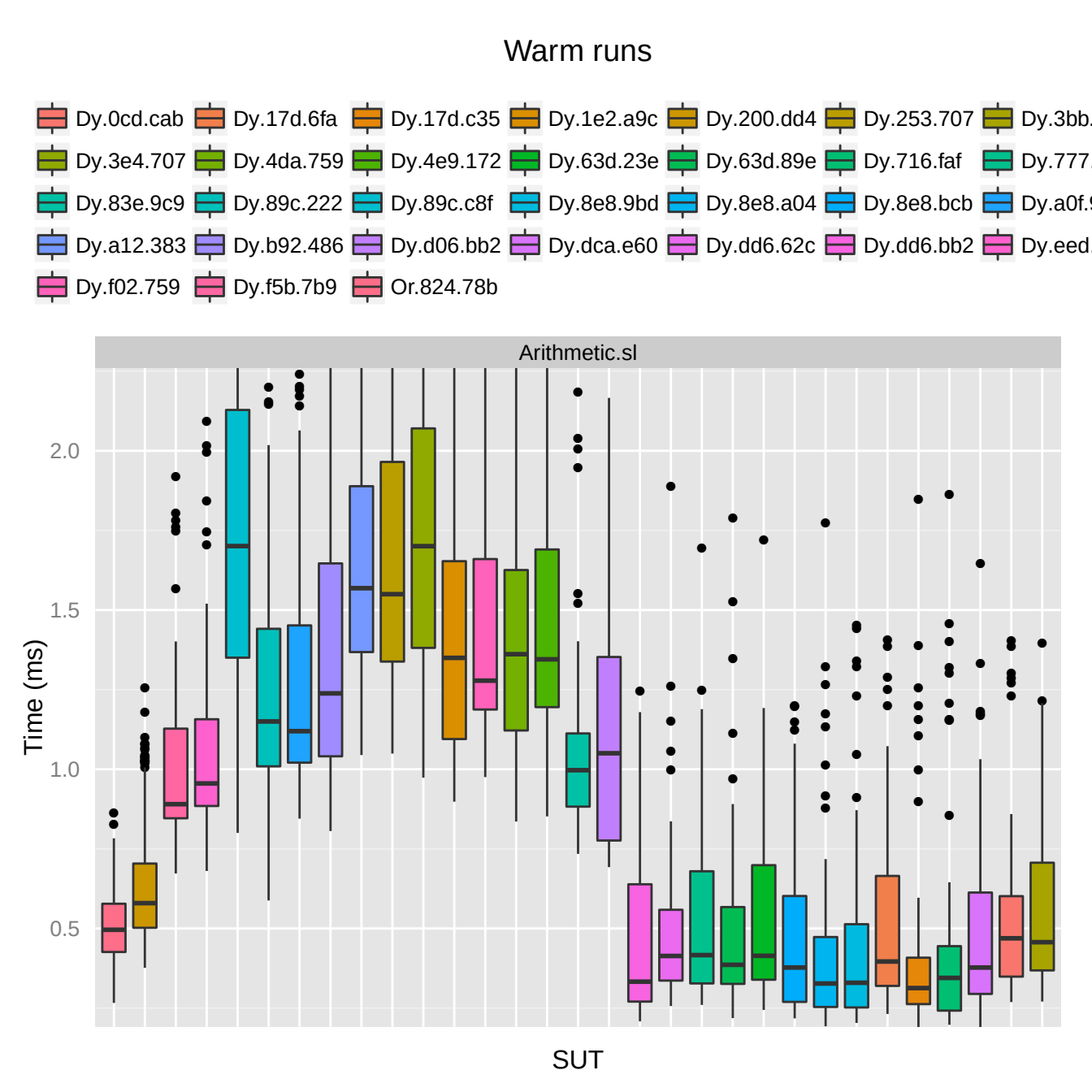
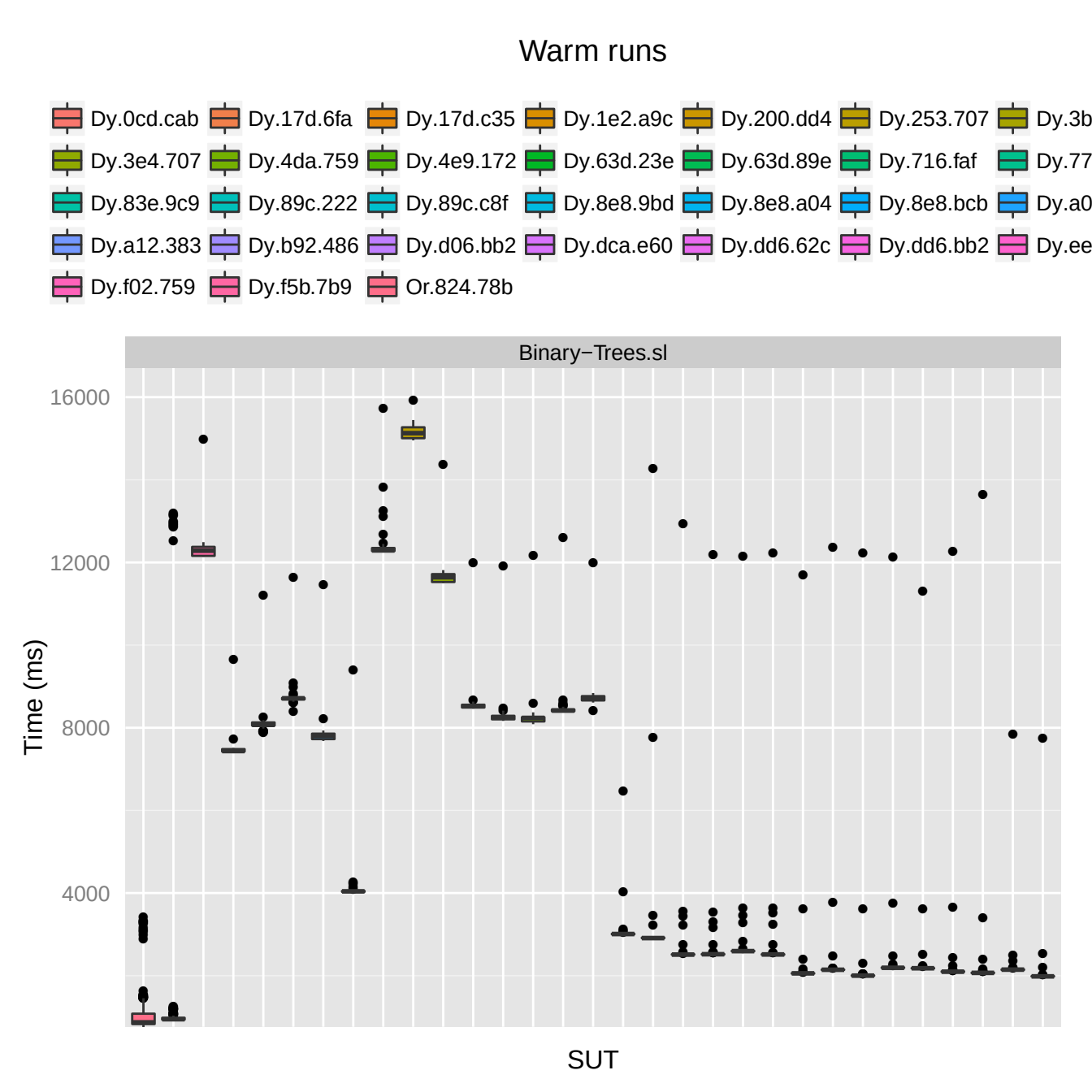
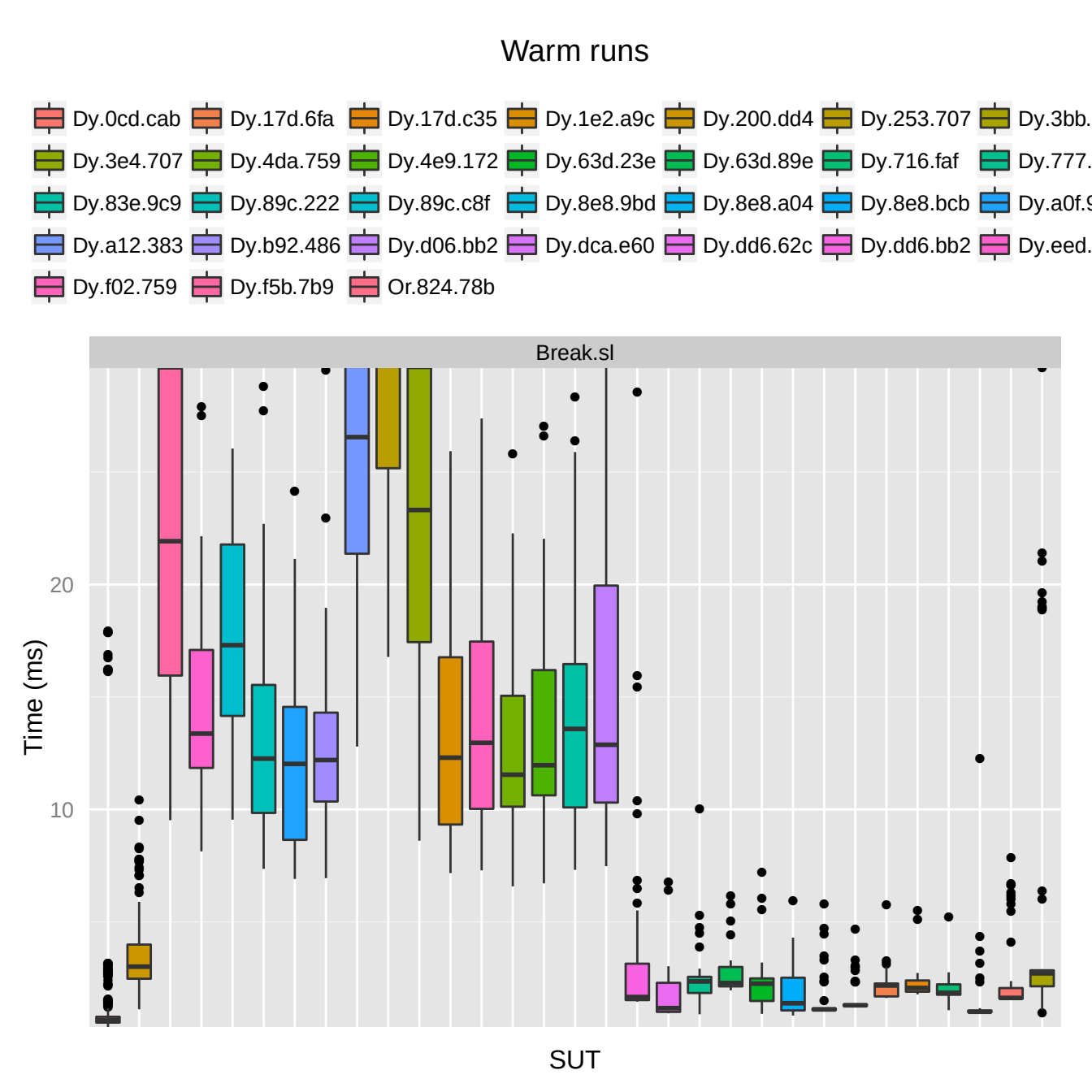
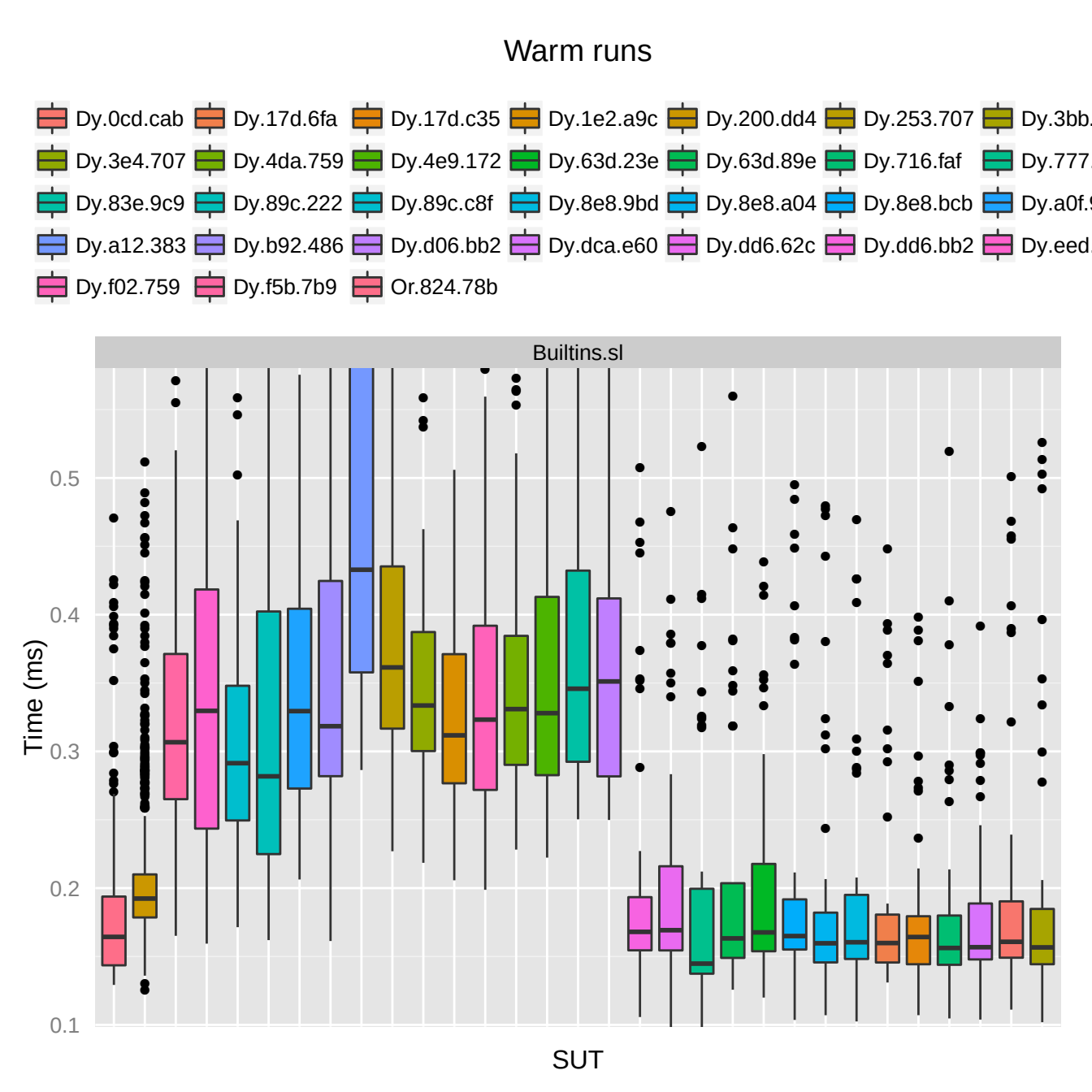

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Add.sl
1.0
0.5
Time (ms)
SUT

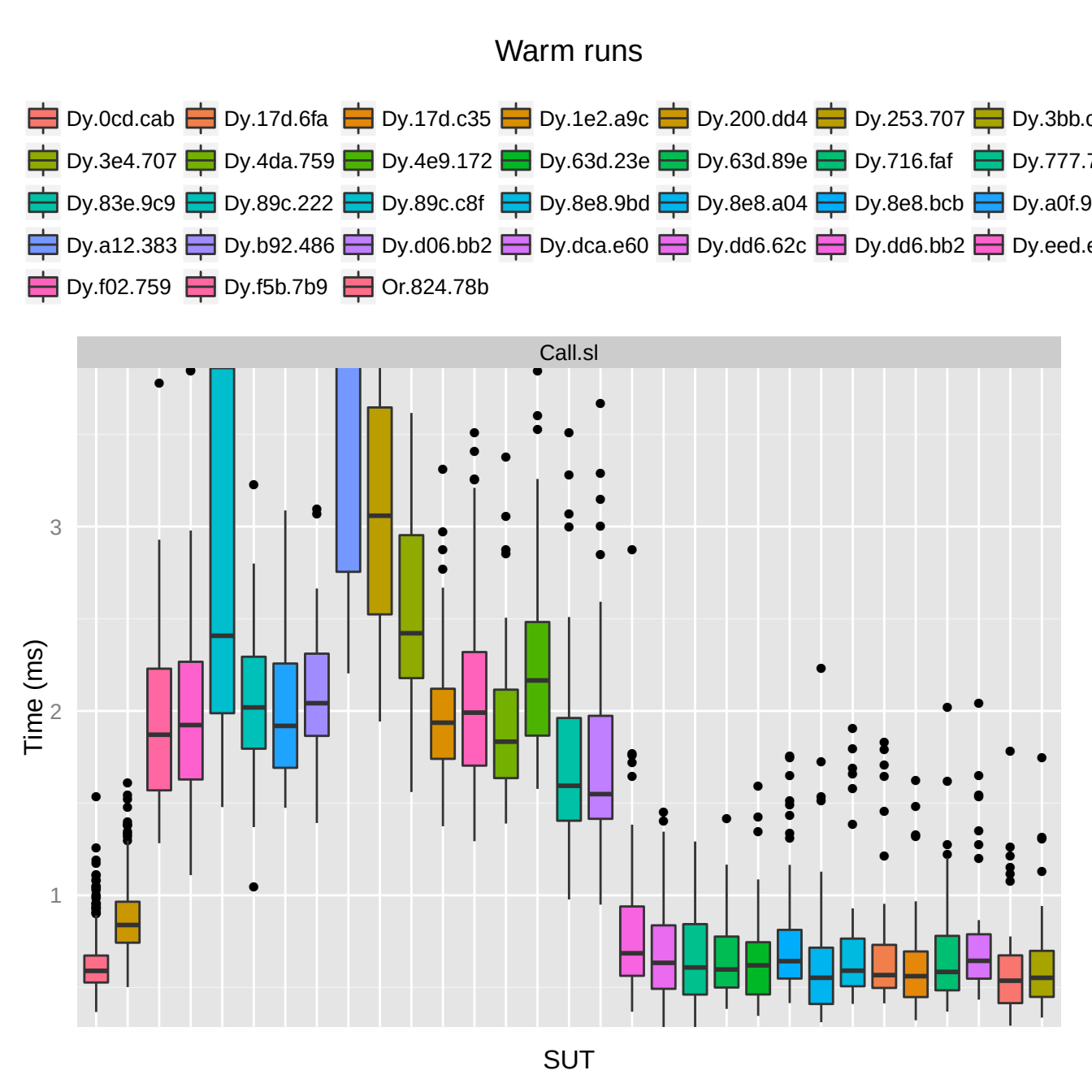

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Arithmetic.sl
2.0
1.5
1.0
0.5
Time (ms)
SUT

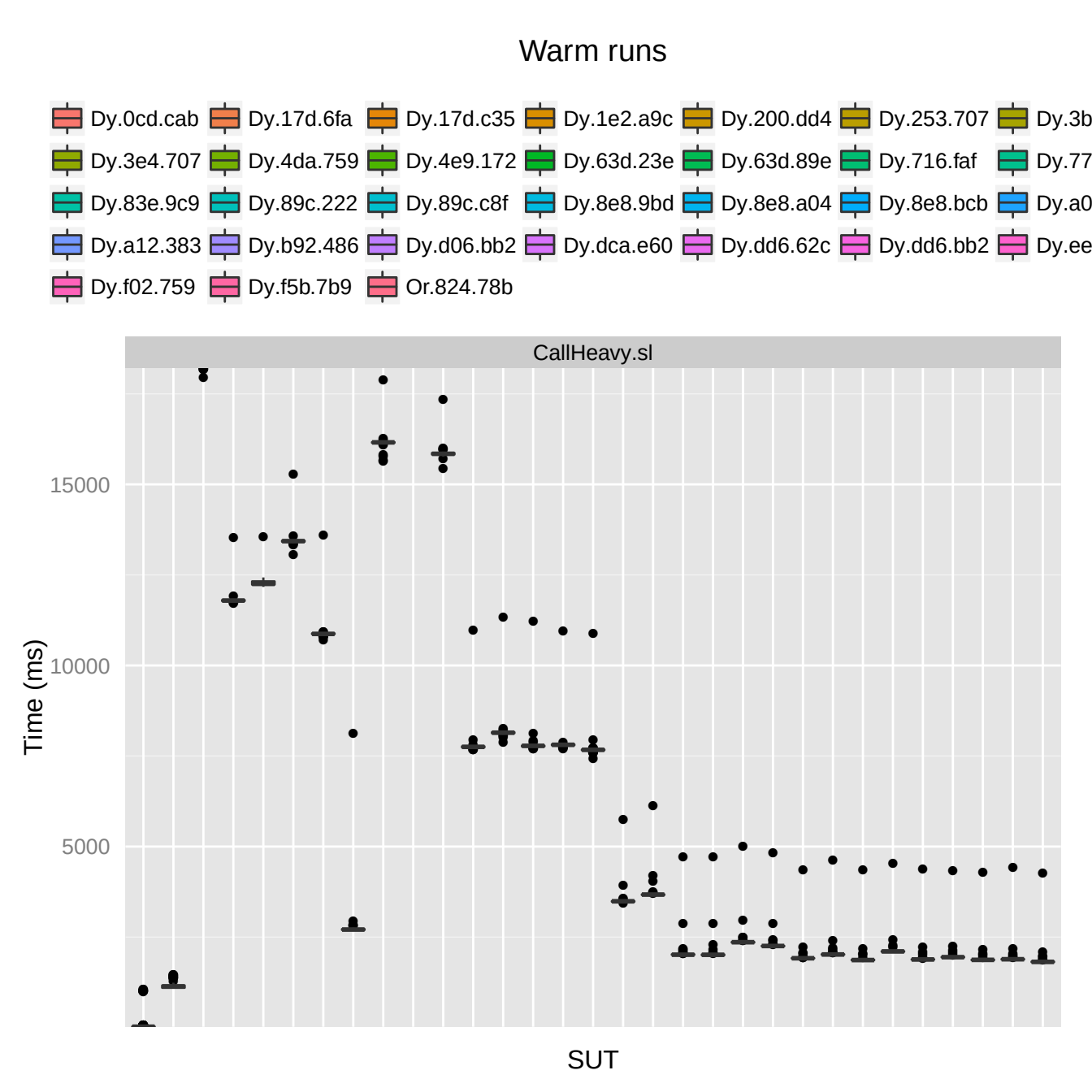
Warm runs

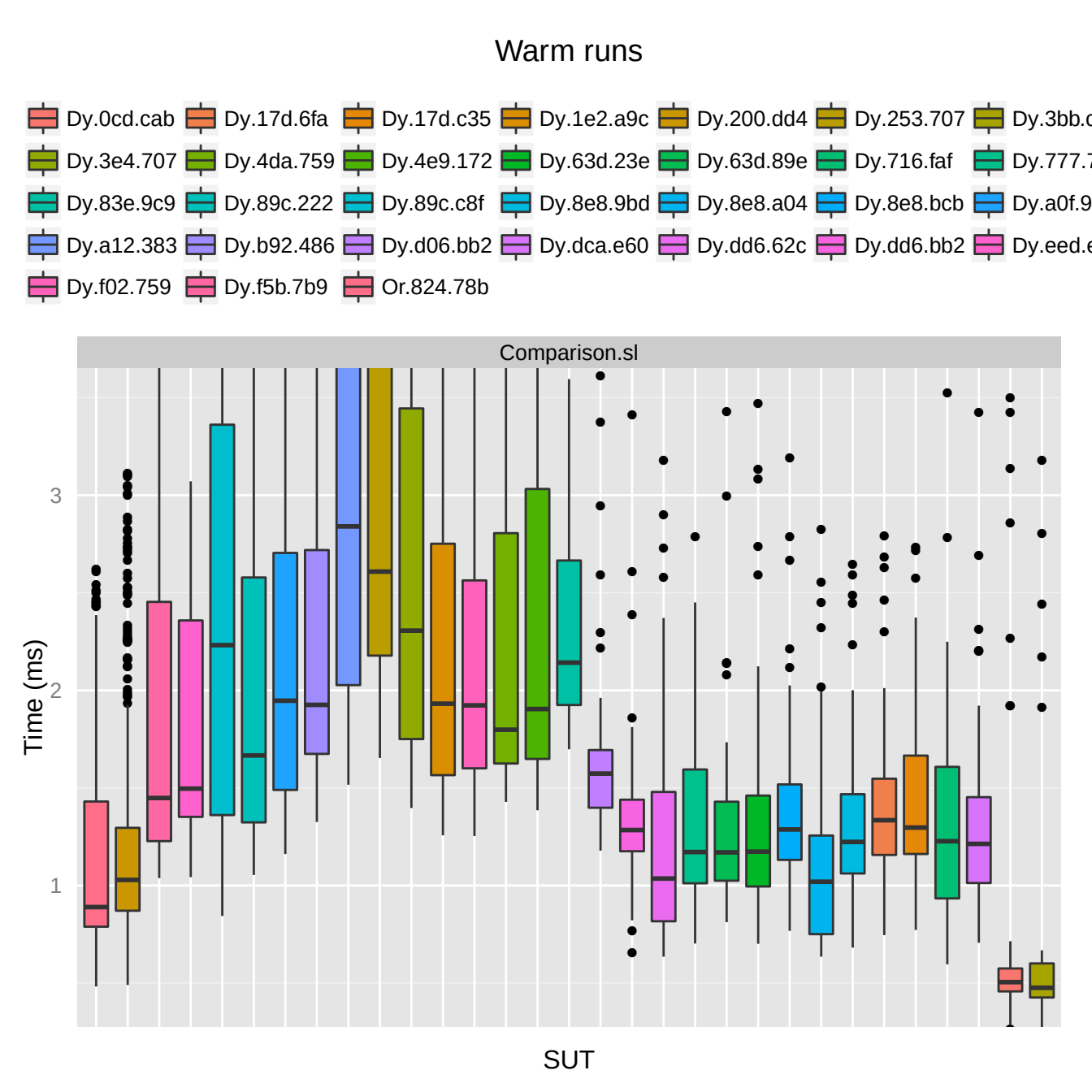

Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3b
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.77
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.ee
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Binary−Trees.sl
16000
12000
8000
4000
Time (ms)
SUT

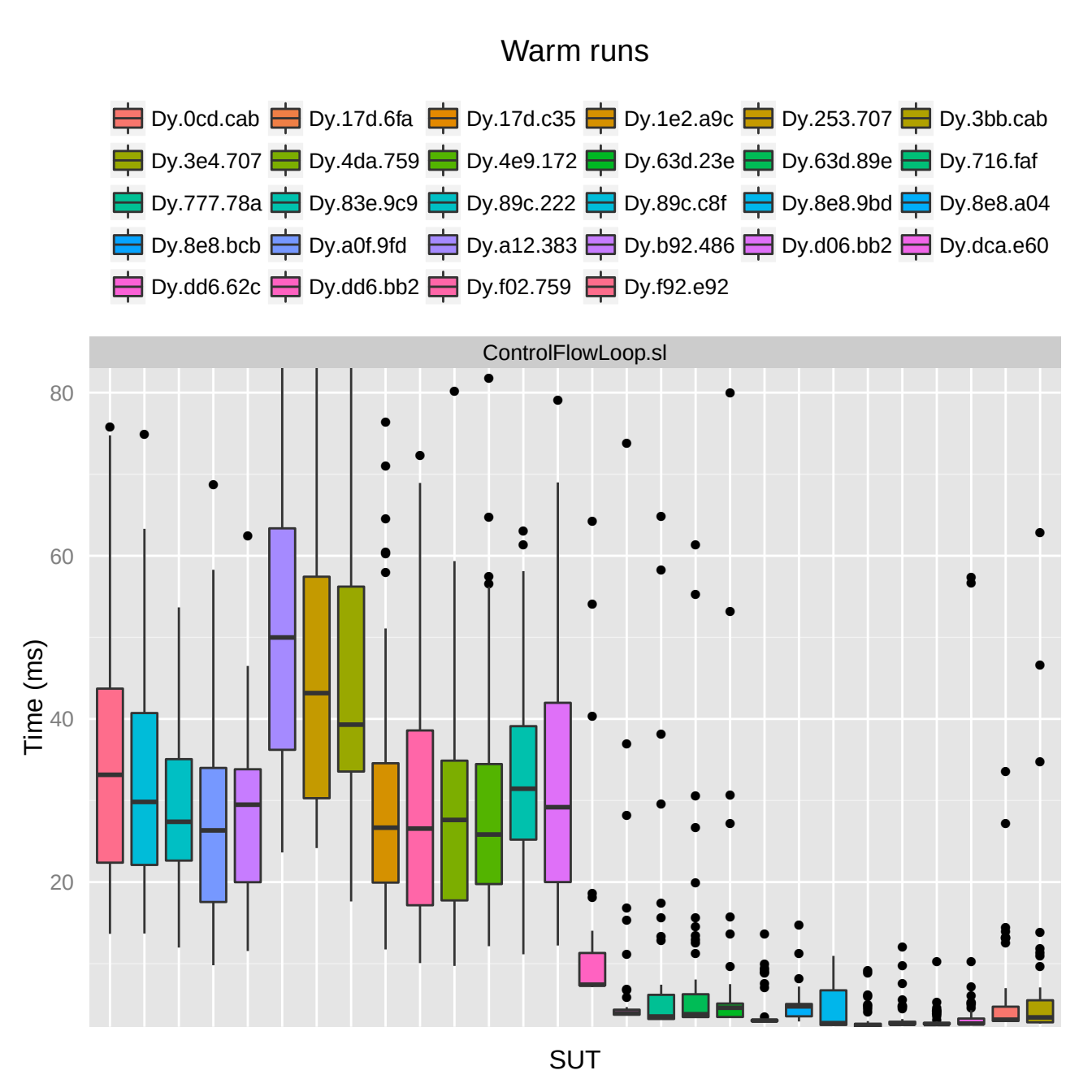

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Break.sl
20
10
Time (ms)
SUT

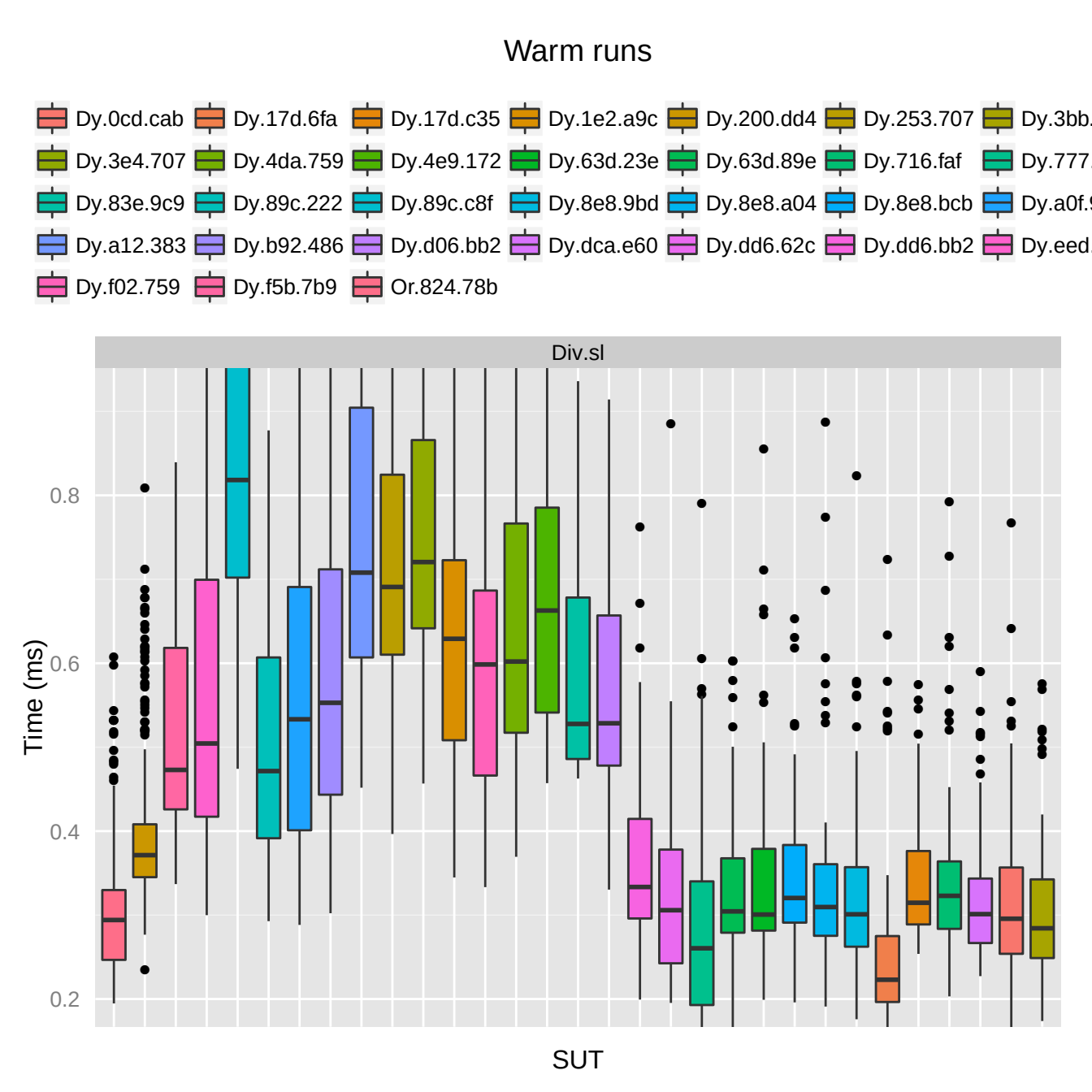

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Builtins.sl
Time (ms)
0.5
0.4
0.3
0.2
0.1
SUT

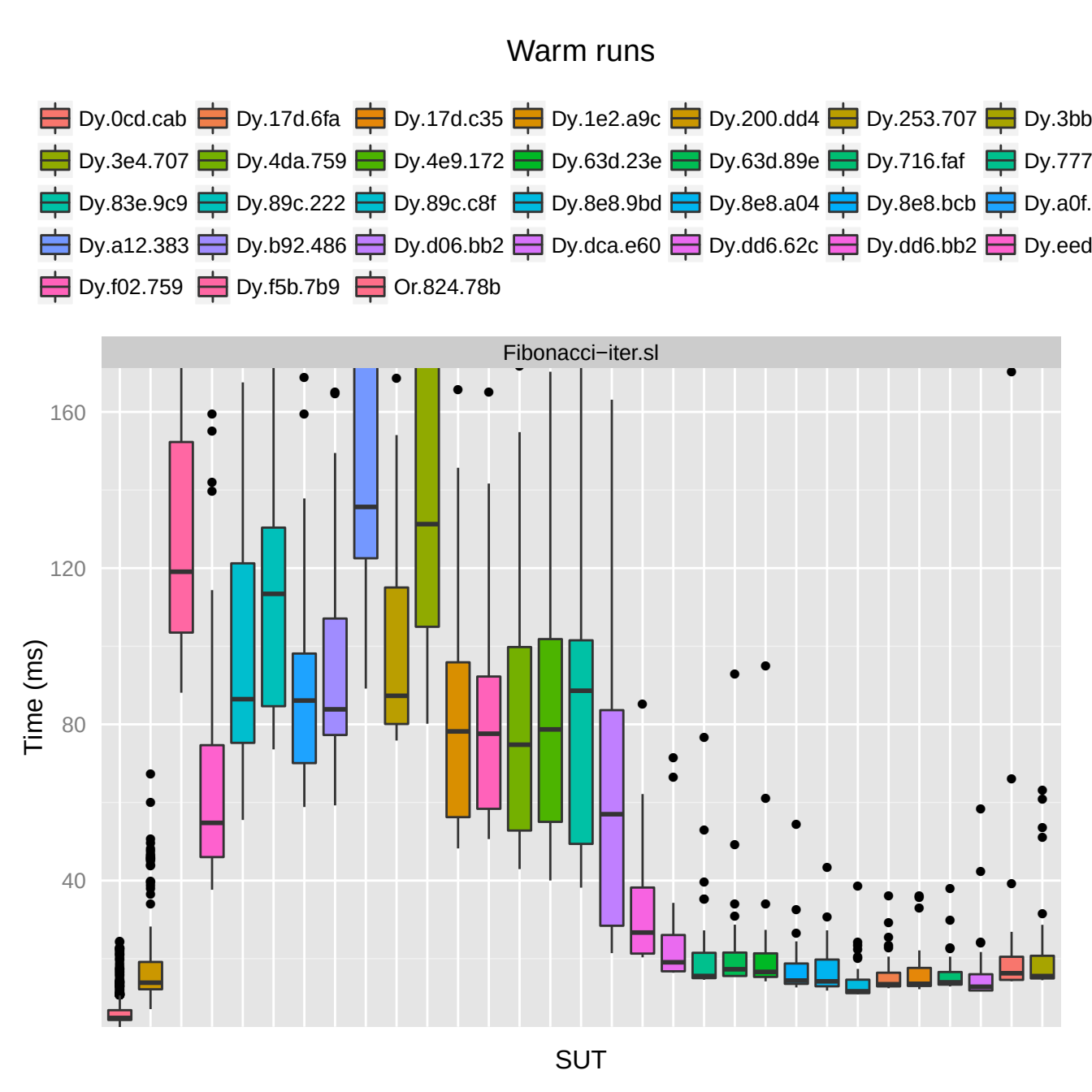

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.c
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.7
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.e
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Call.sl
Time (ms)
3
2
1
SUT

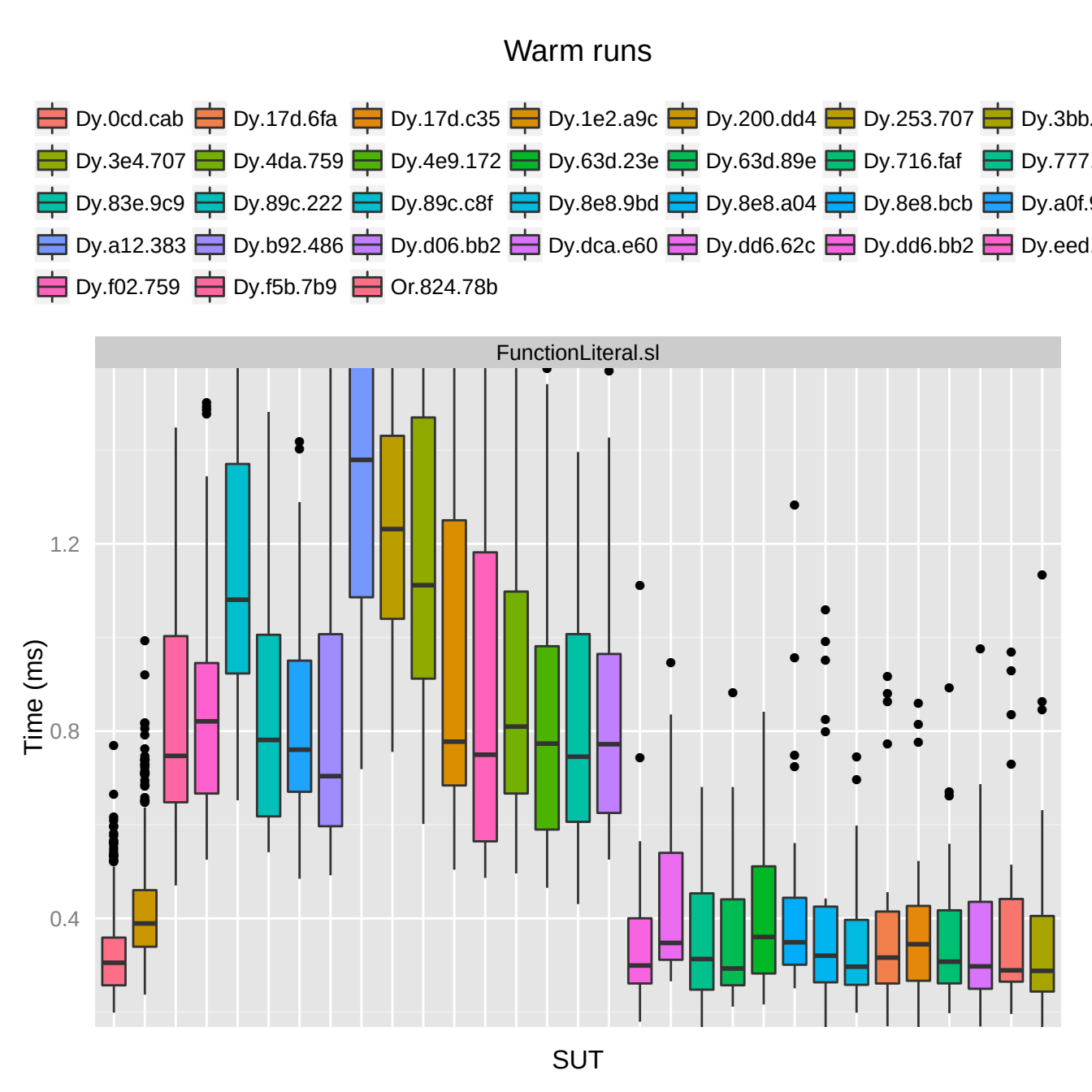

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3b
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.77
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.ee
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
CallHeavy.sl
15000
10000
5000
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.c
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.7
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.e
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Comparison.sl
Time (ms)
3
2
1
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.253.707
Dy.3bb.cab
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.78a
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9fd
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.f02.759
Dy.f92.e92
ControlFlowLoop.sl
80
60
40
20
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Div.sl
Time (ms)
0.8
0.6
0.4
0.2
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Fibonacci−iter.sl
160
120
80
40
Time (ms)
SUT


Warm runs
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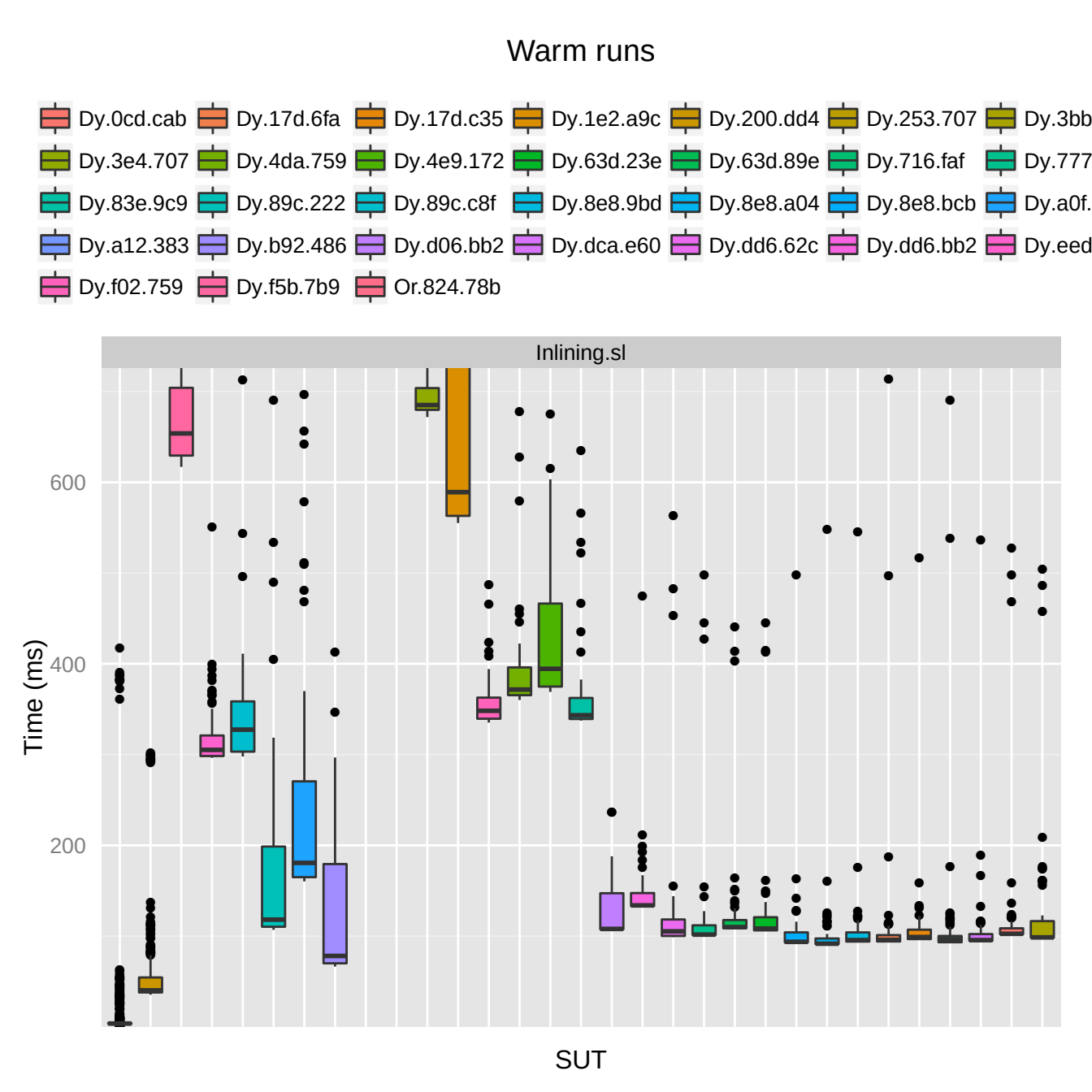
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
FunctionLiteral.sl
1.2
0.8
0.4
Time (ms)
SUT


Warm runs
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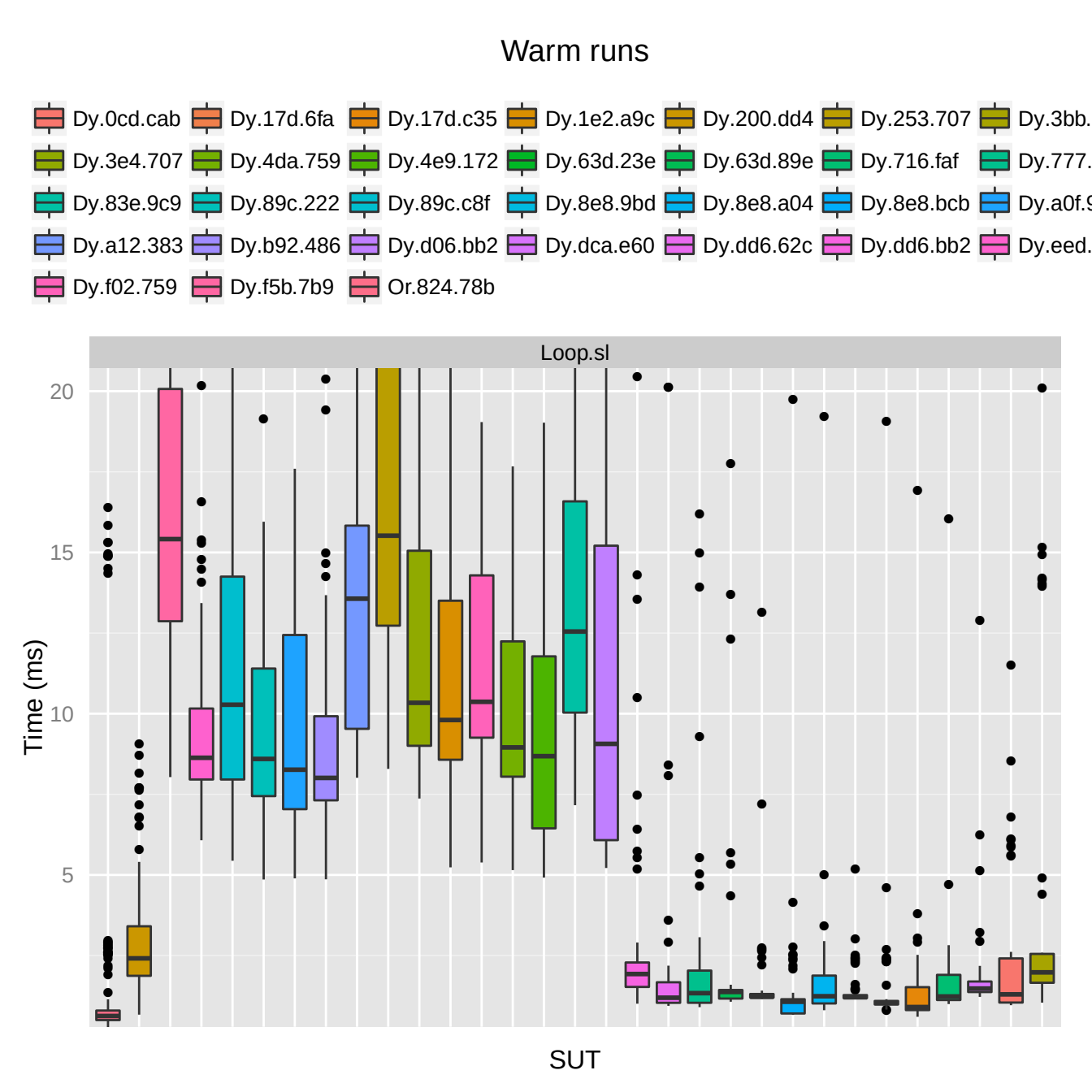
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Inlining.sl
600
400
200
Time (ms)
SUT


Warm runs
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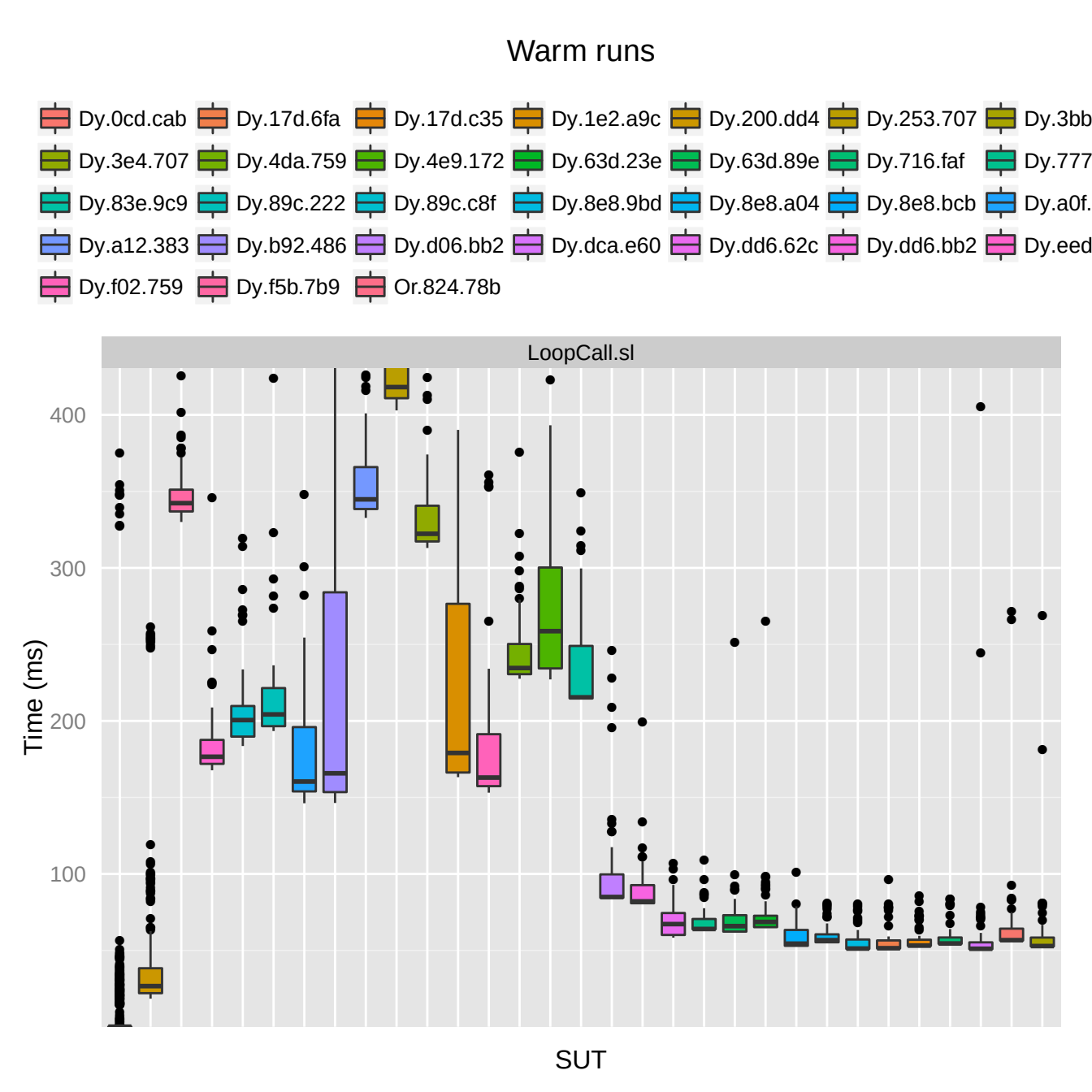
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Loop.sl
20
15
10
5
Time (ms)
SUT


Warm runs
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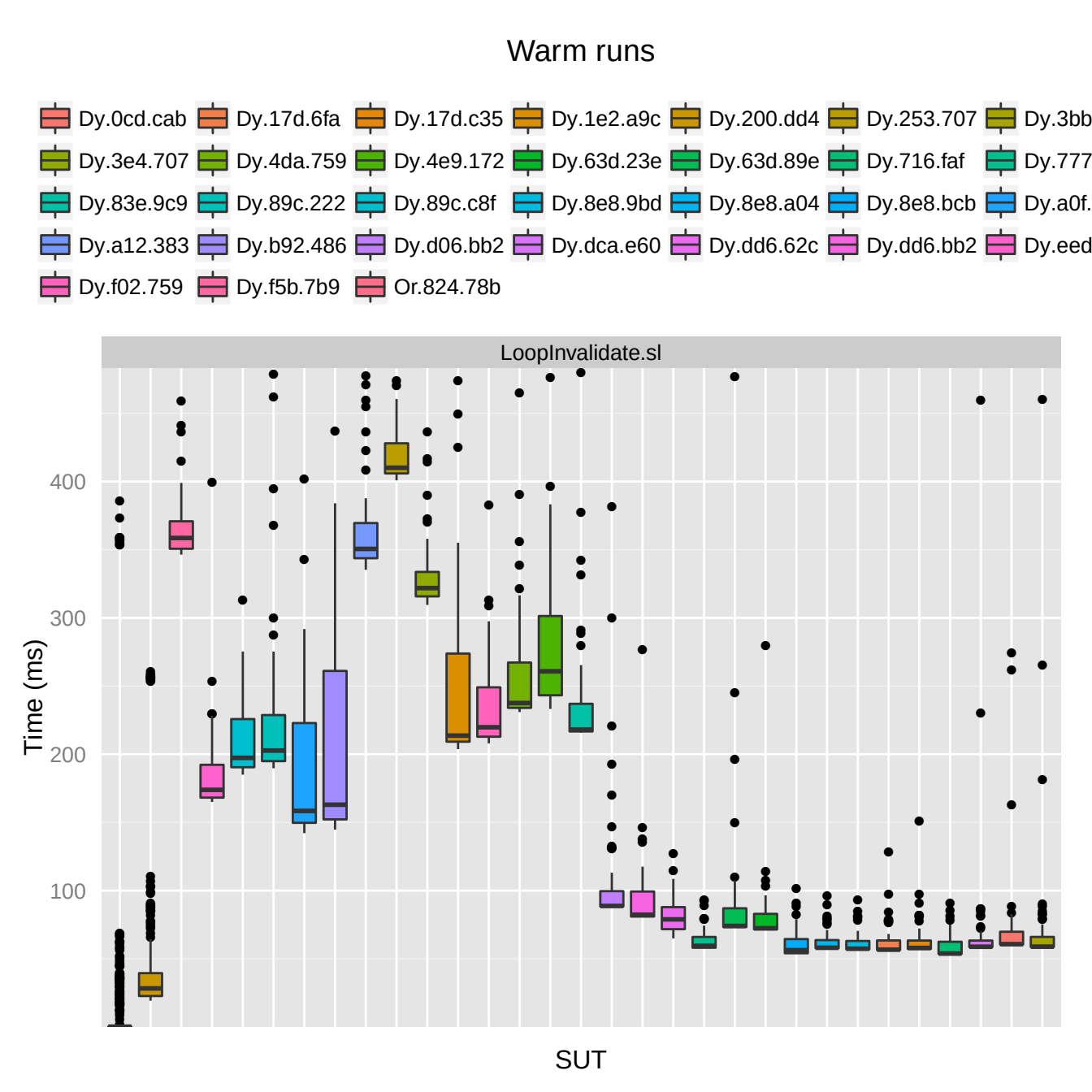
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
LoopCall.sl
400
300
200
100
Time (ms)
SUT


Warm runs
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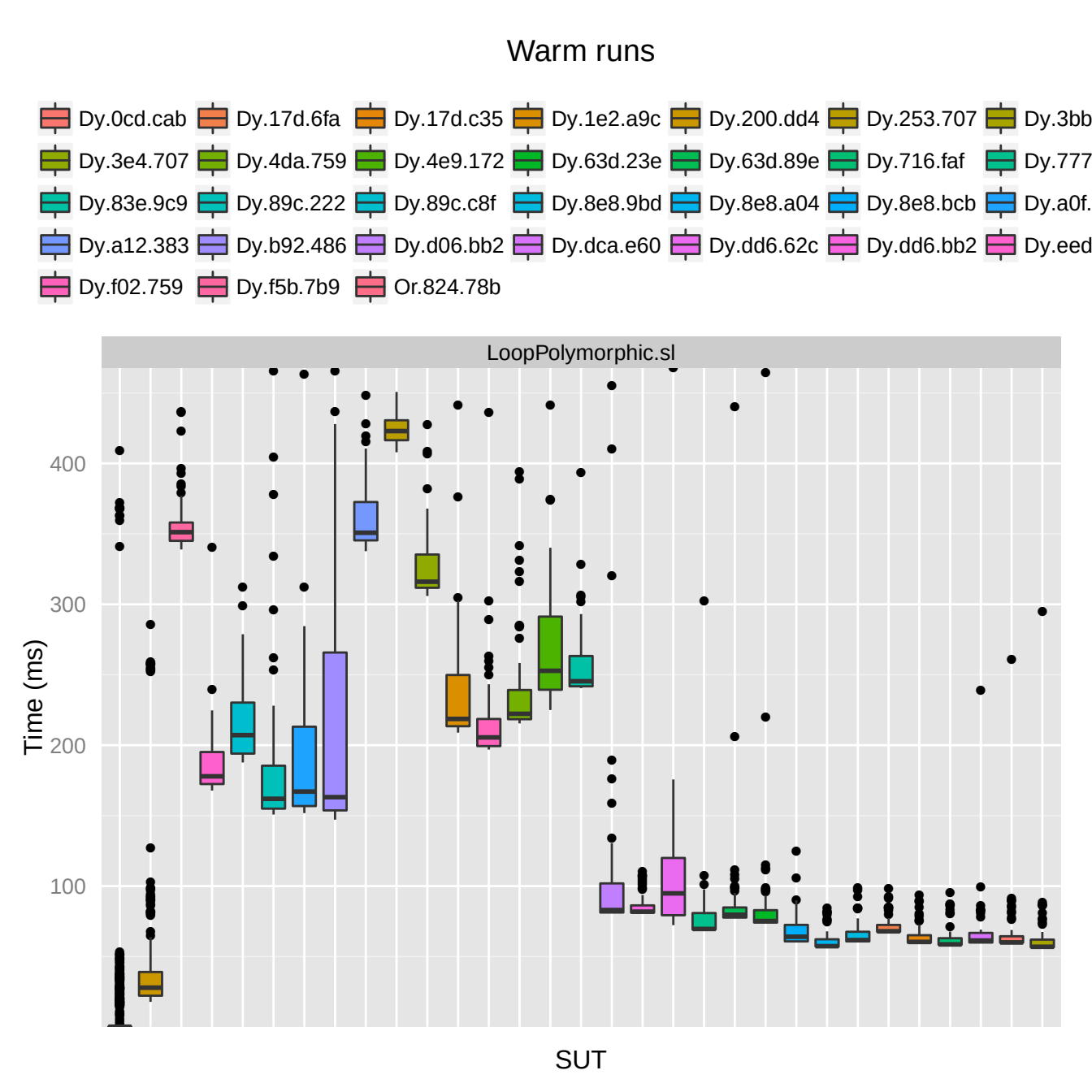
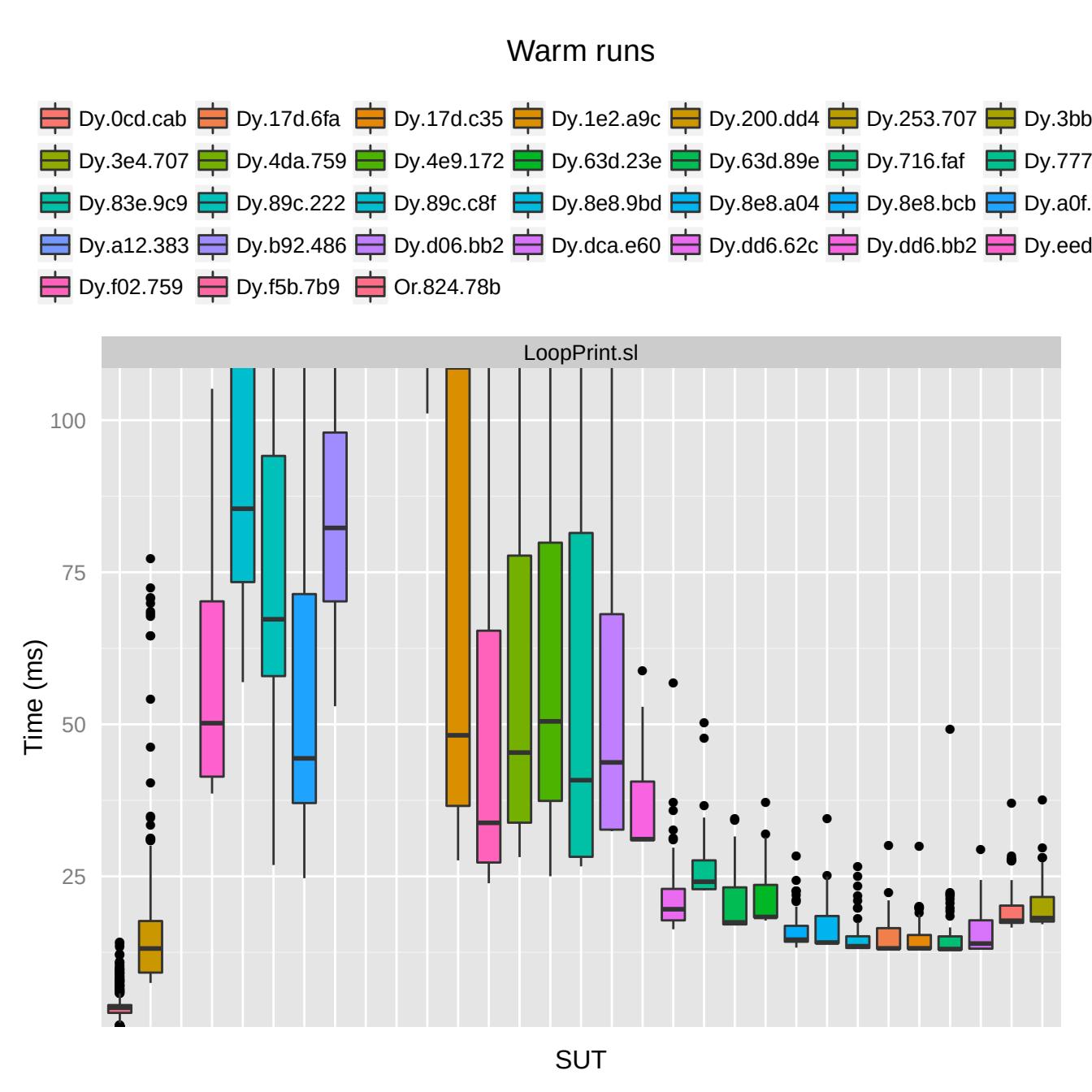
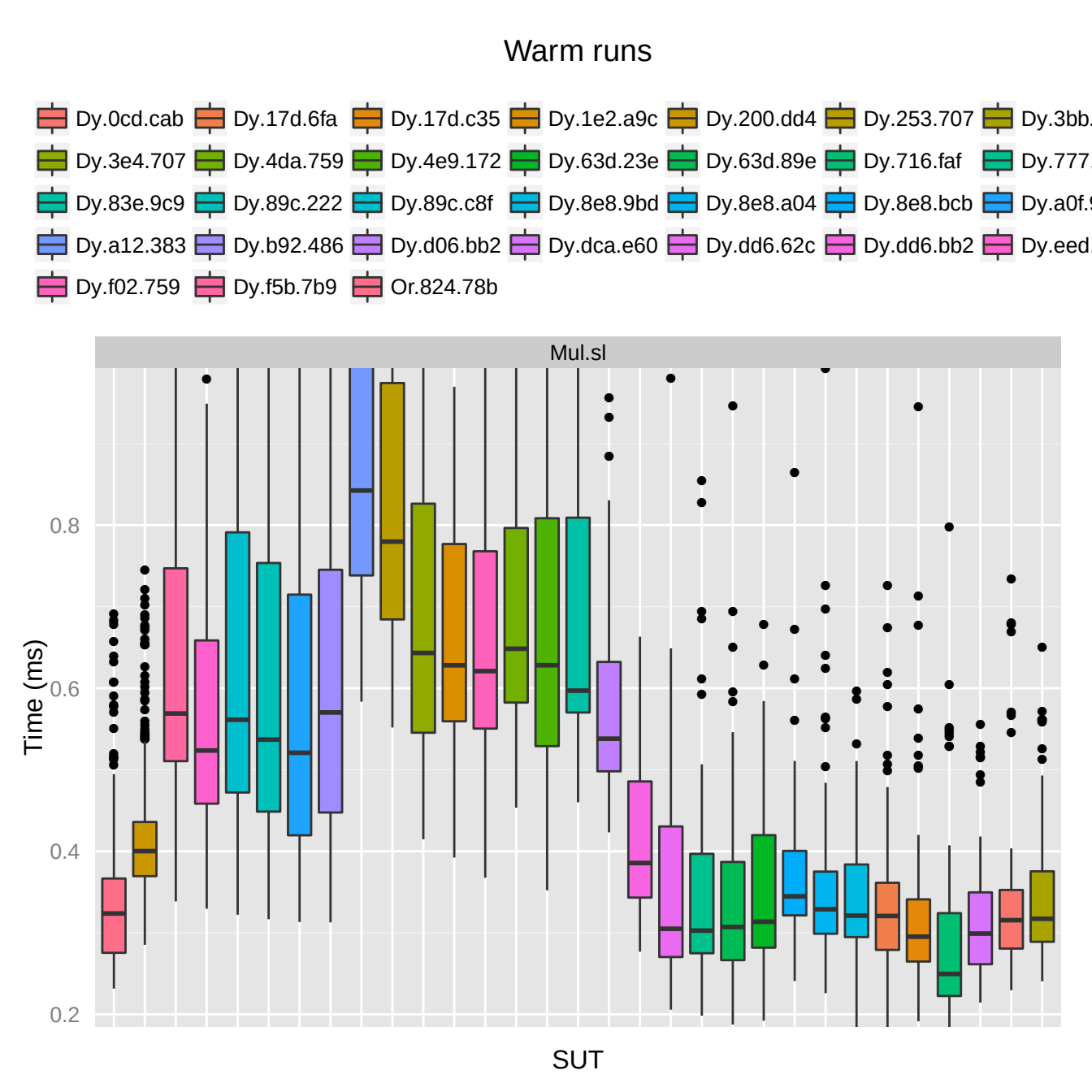
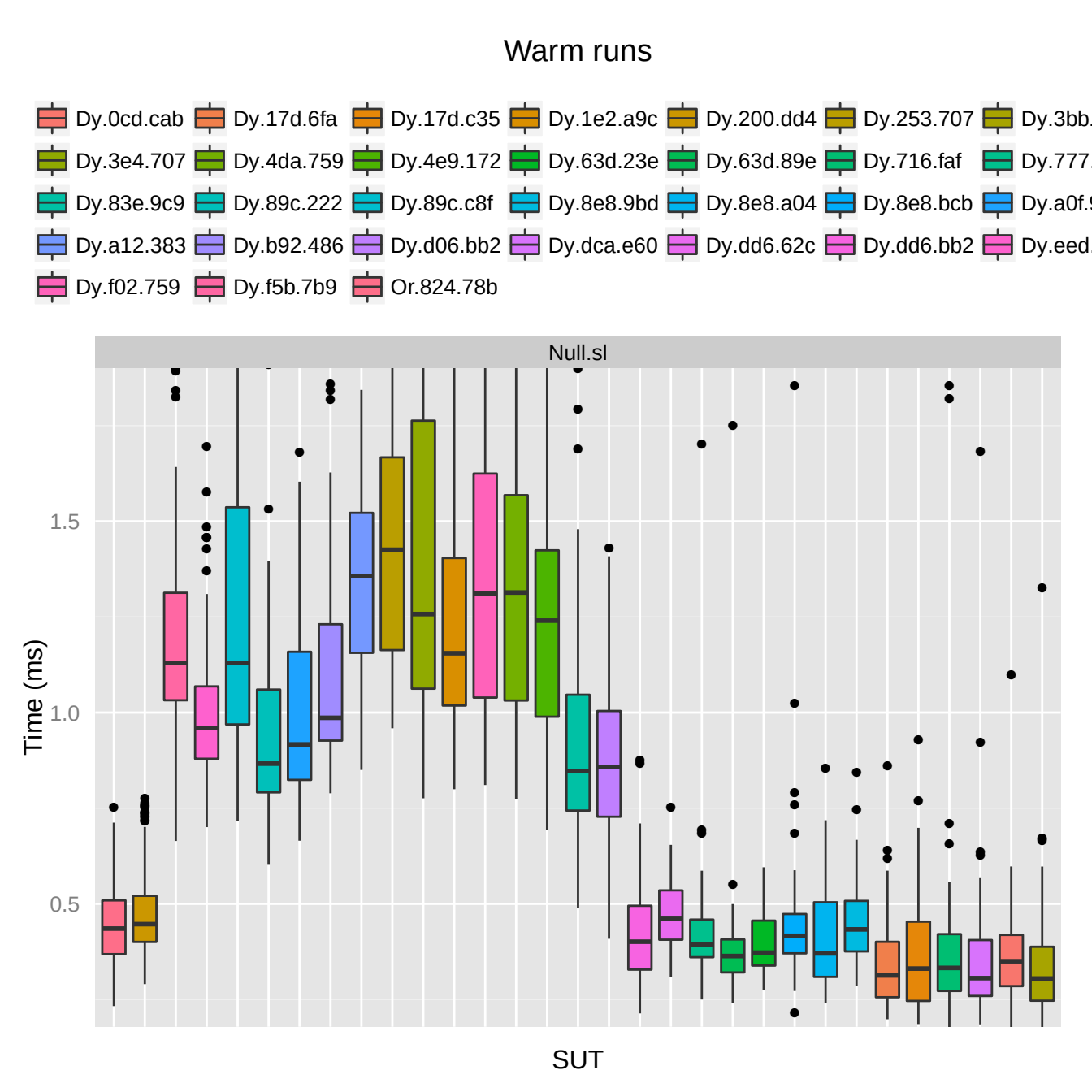
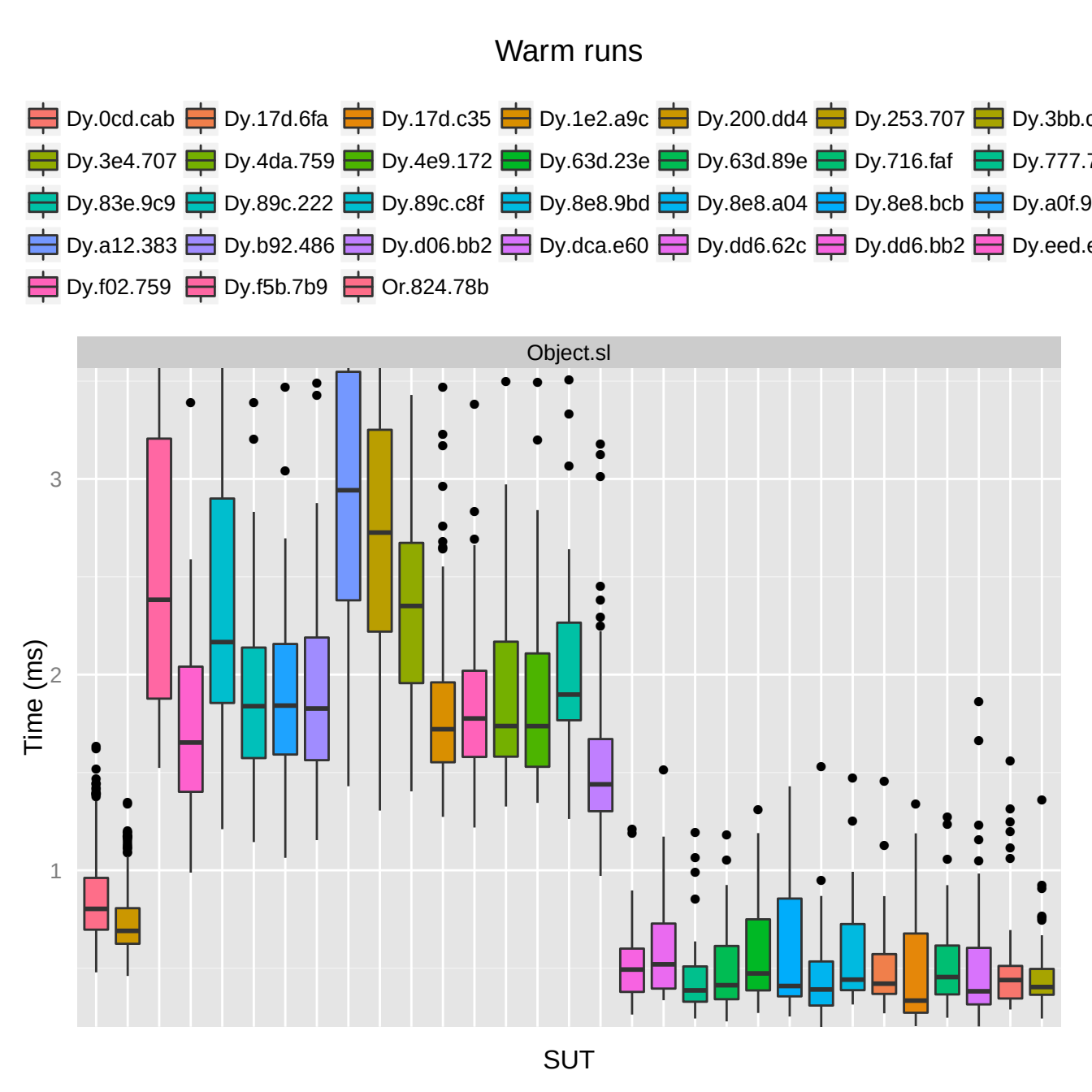
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
LoopInvalidate.sl
400
300
200
100
Time (ms)
SUT

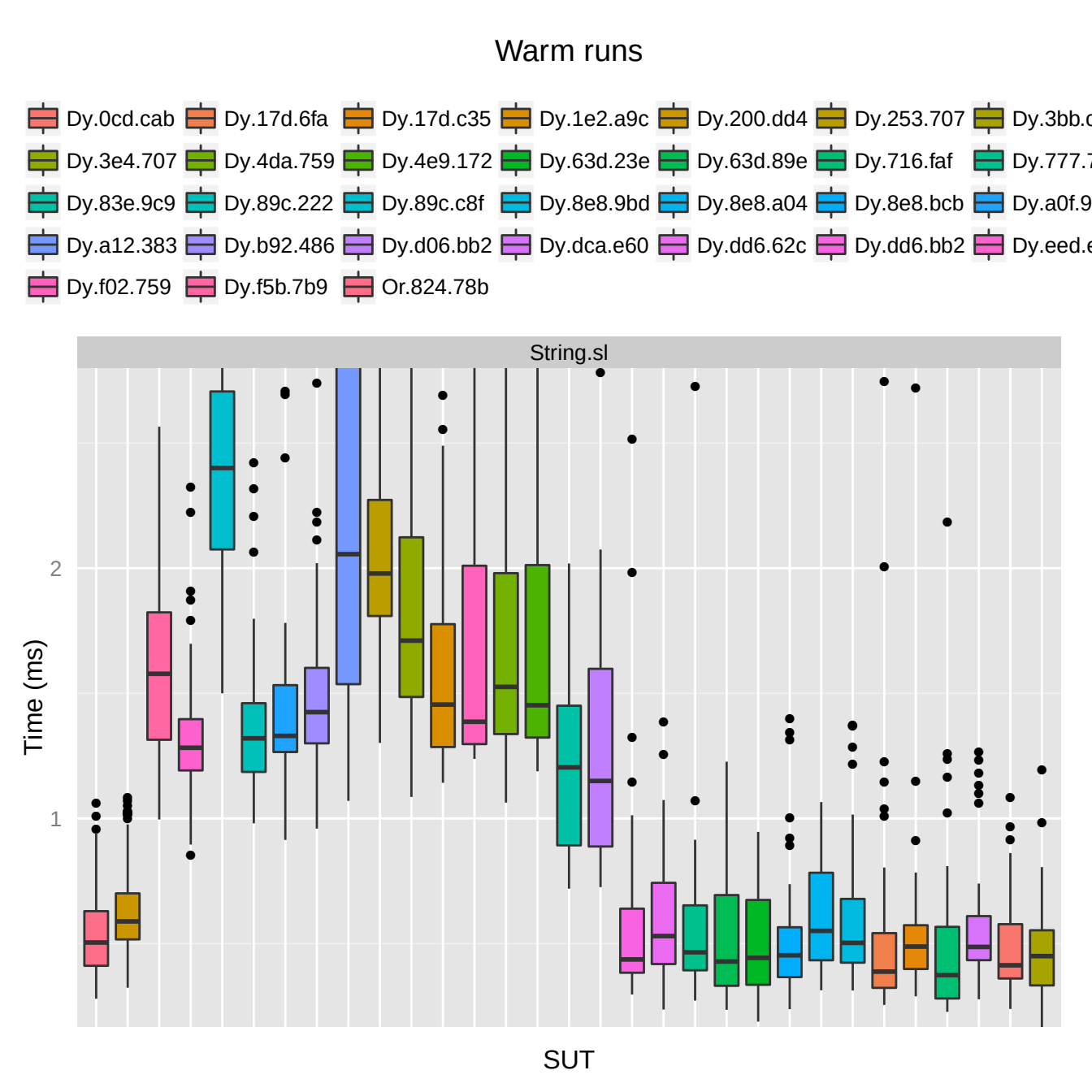

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
LoopPolymorphic.sl
400
300
200
100
Time (ms)
SUT

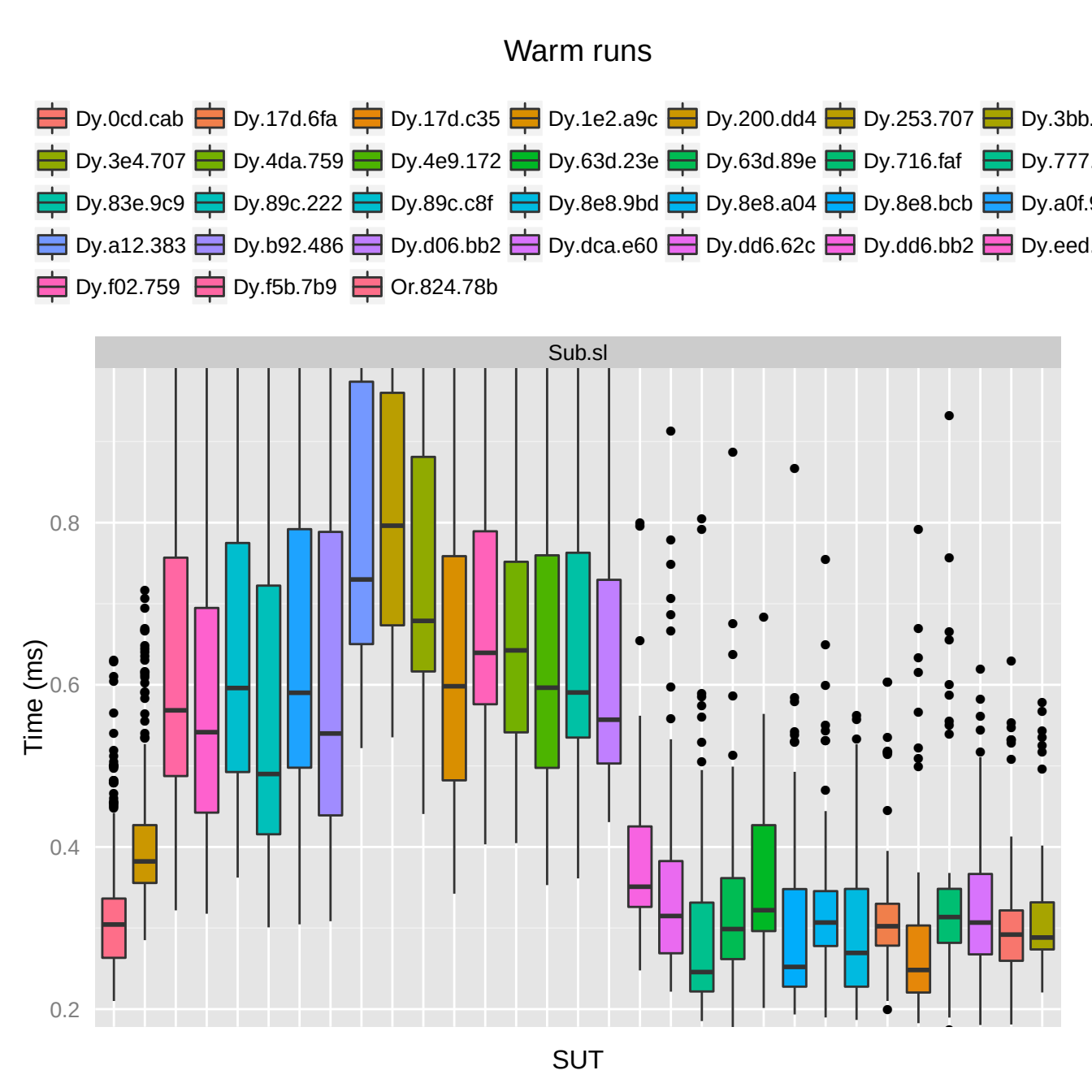

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
LoopPrint.sl
100
75
50
25
Time (ms)
SUT

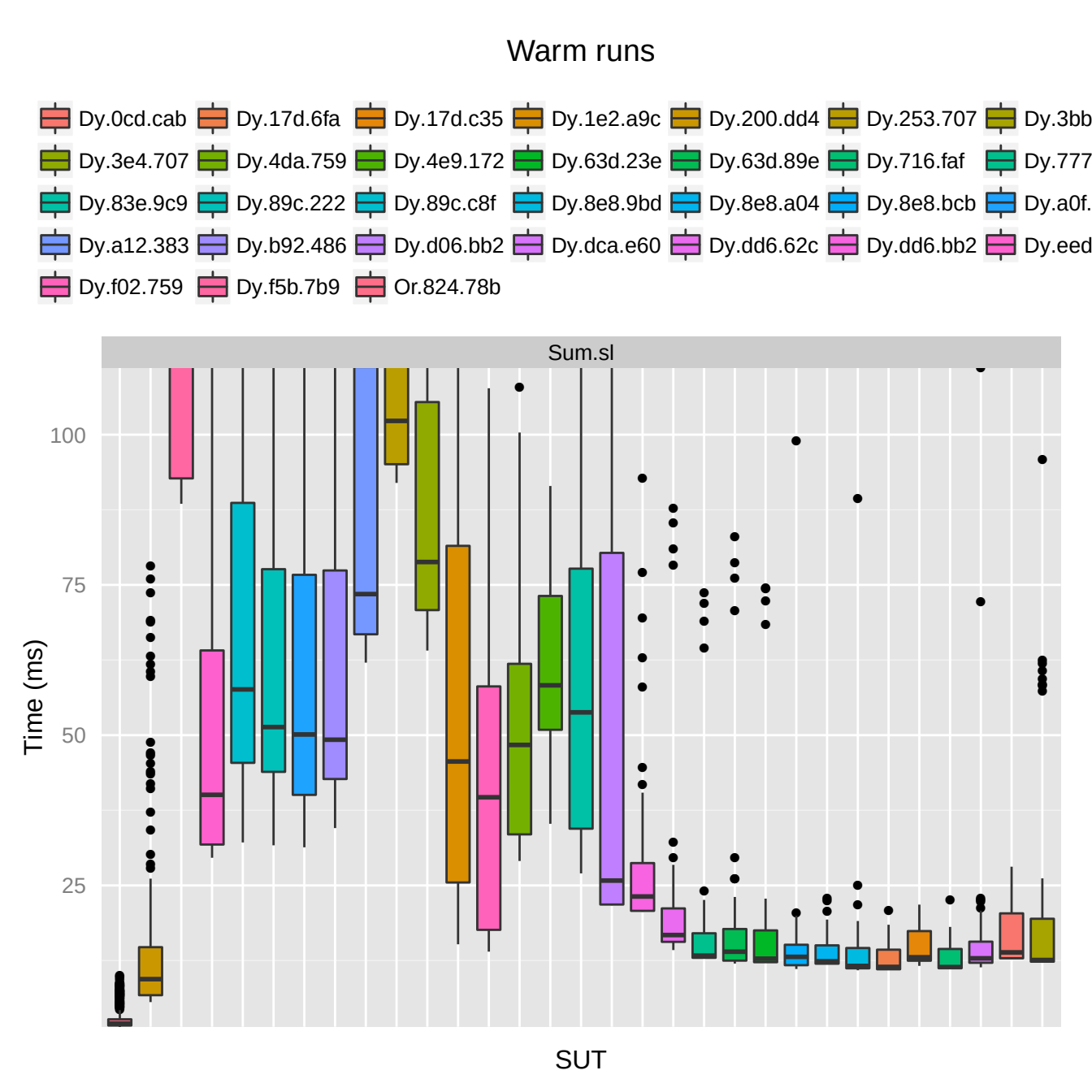

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Mul.sl
Time (ms)
0.8
0.6
0.4
0.2
SUT

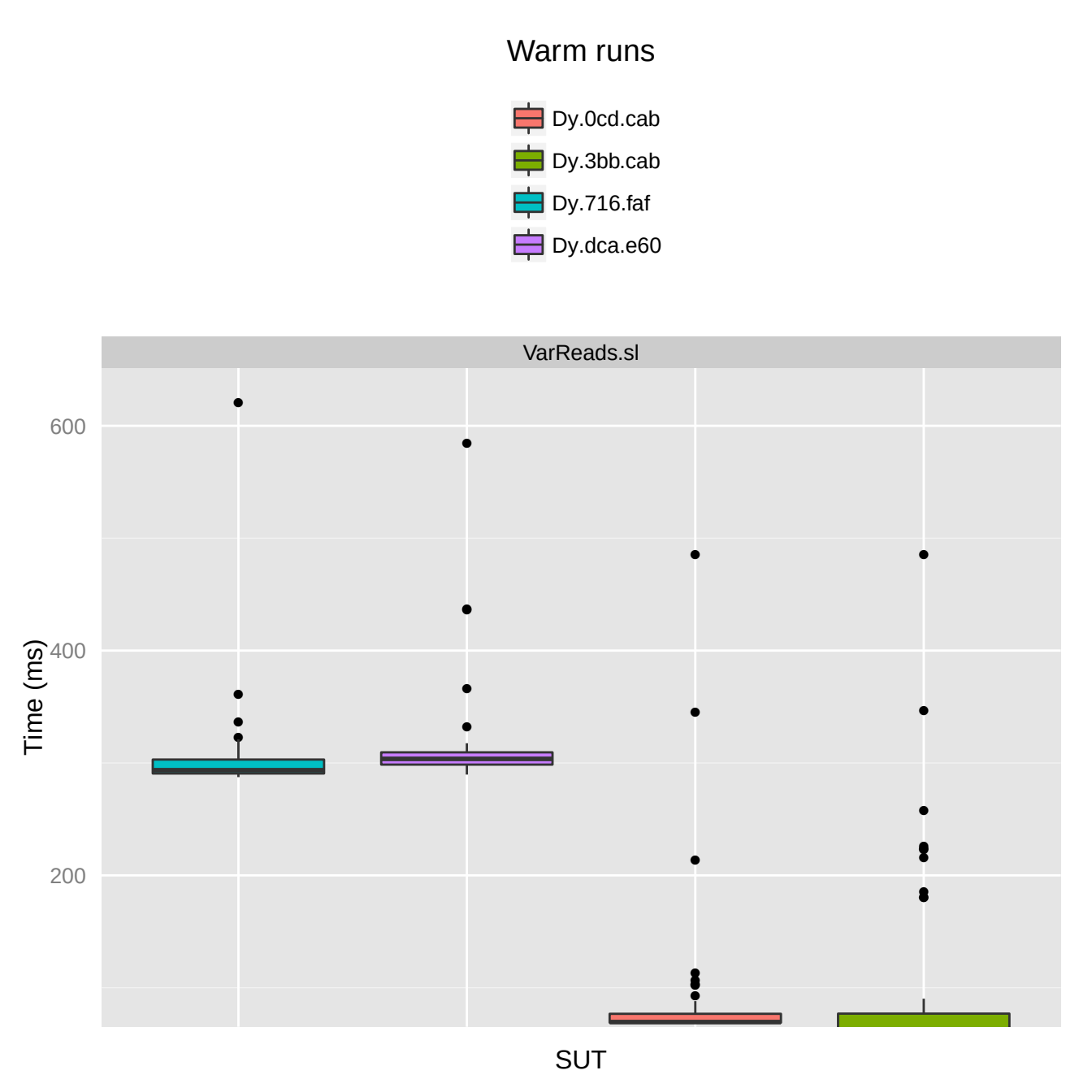

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Null.sl
1.5
1.0
0.5
Time (ms)
SUT

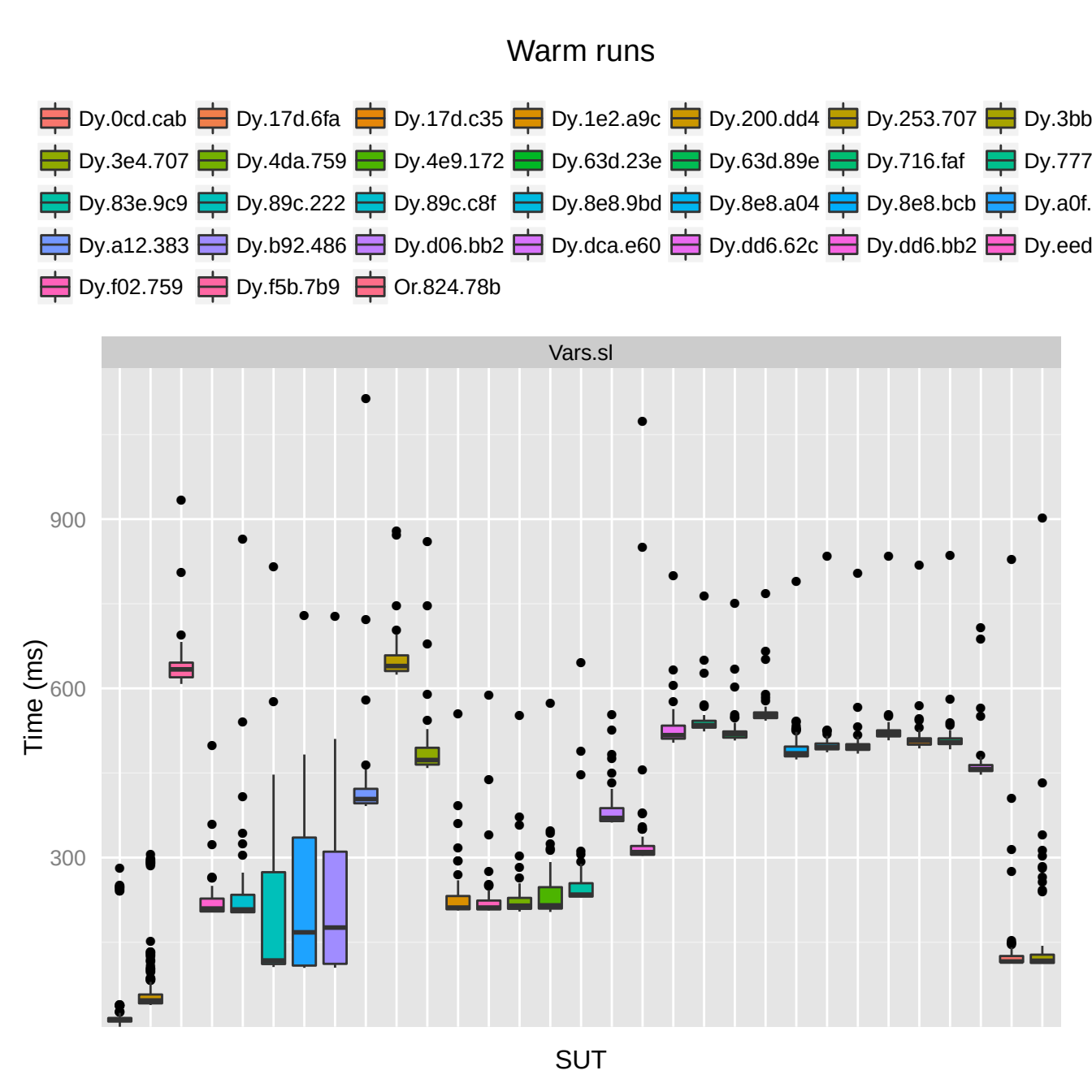

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.c
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.7
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.e
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Object.sl
Time (ms)
3
2
1
SUT

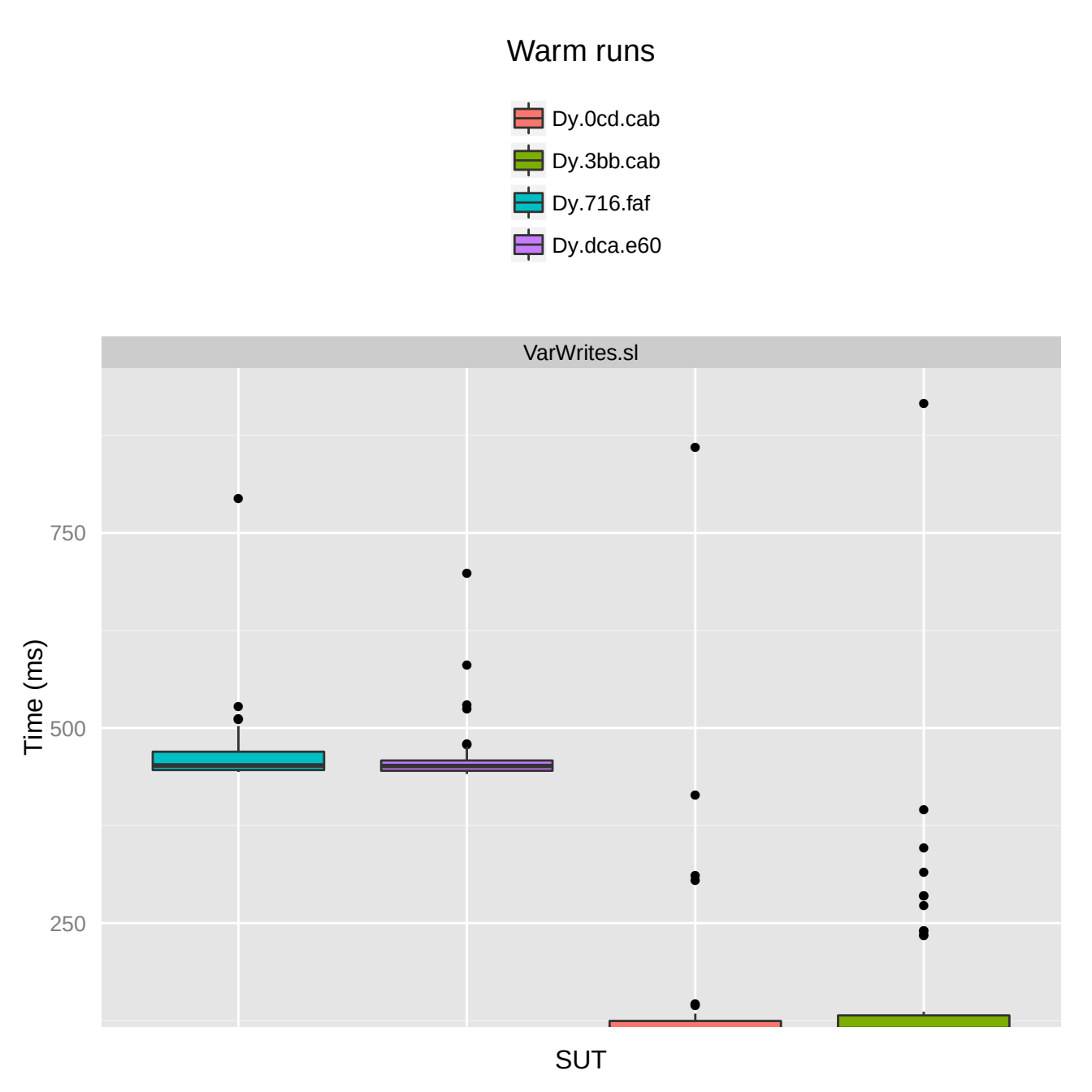

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.c
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777.7
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.9
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.e
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
String.sl
Time (ms)
2
1
SUT

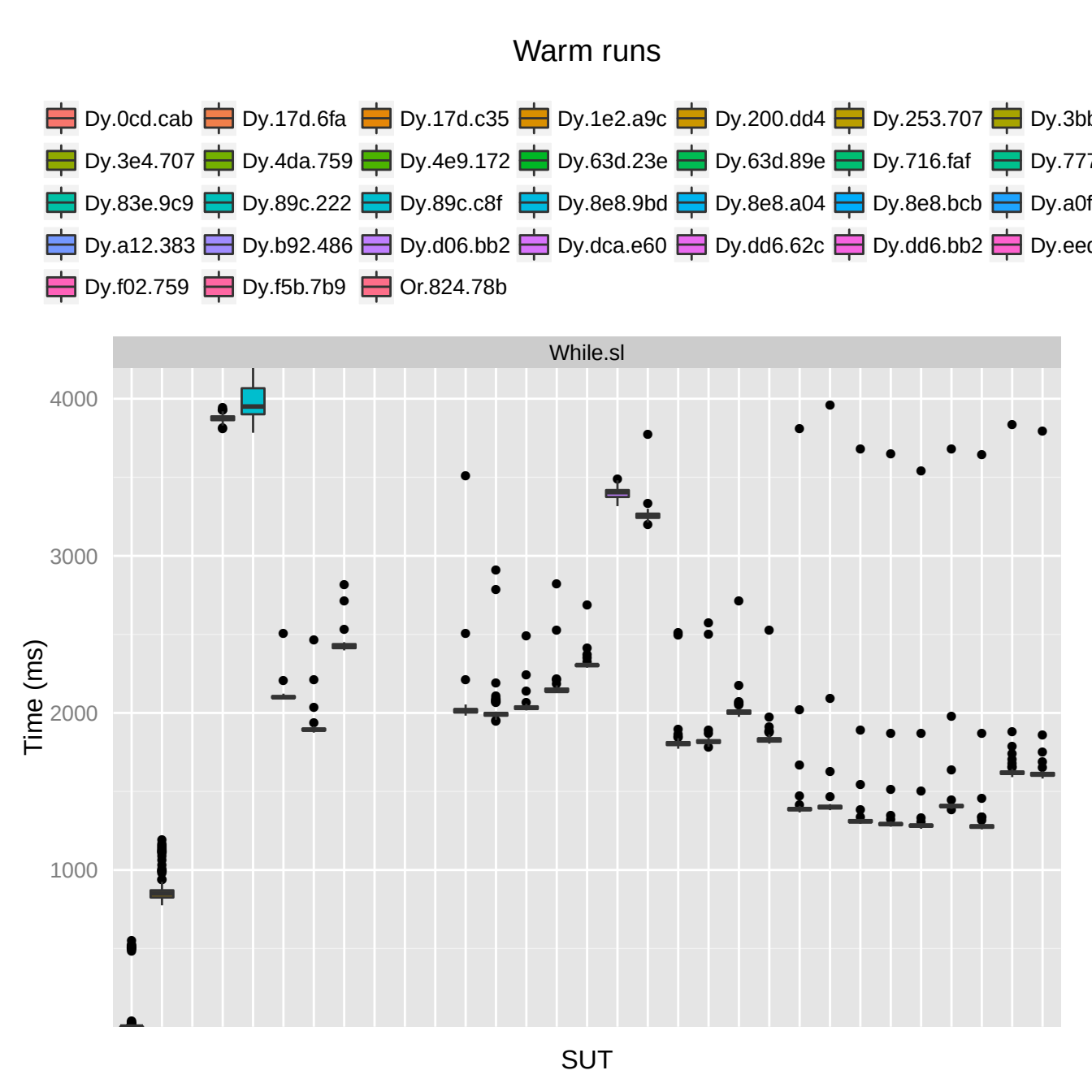

Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb.
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed.
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Sub.sl
Time (ms)
0.8
0.6
0.4
0.2
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Sum.sl
100
75
50
25
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.3bb.cab
Dy.716.faf
Dy.dca.e60
VarReads.sl
600
400
200
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3bb
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.777
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a0f.
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.eed
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
Vars.sl
900
600
300
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.3bb.cab
Dy.716.faf
Dy.dca.e60
VarWrites.sl
750
500
250
Time (ms)
SUT


Warm runs
Dy.0cd.cab
Dy.17d.6fa
Dy.17d.c35
Dy.1e2.a9c
Dy.200.dd4
Dy.253.707
Dy.3e4.707
Dy.4da.759
Dy.4e9.172
Dy.63d.23e
Dy.63d.89e
Dy.716.faf
Dy.83e.9c9
Dy.89c.222
Dy.89c.c8f
Dy.8e8.9bd
Dy.8e8.a04
Dy.8e8.bcb
Dy.a12.383
Dy.b92.486
Dy.d06.bb2
Dy.dca.e60
Dy.dd6.62c
Dy.dd6.bb2
Dy.f02.759
Dy.f5b.7b9
Or.824.78b
While.sl
4000
3000
2000
1000
Time (ms)
SUT