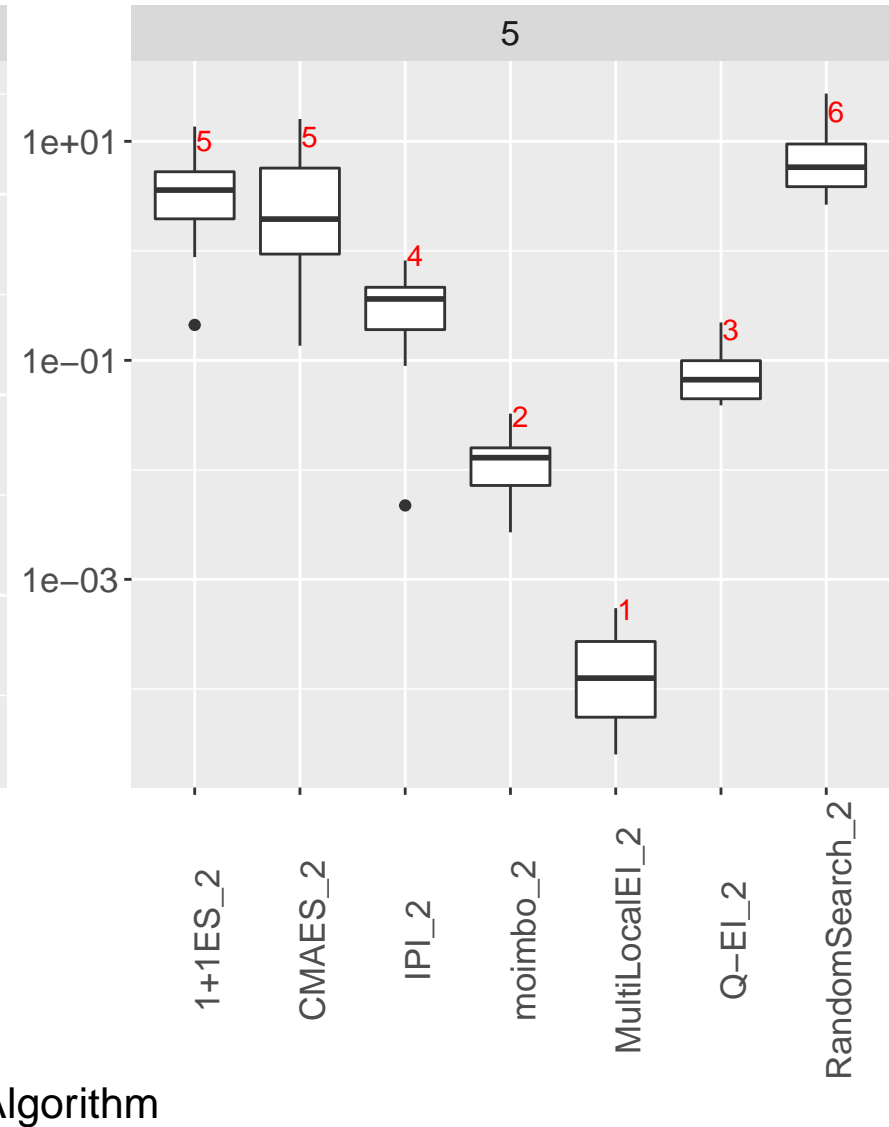
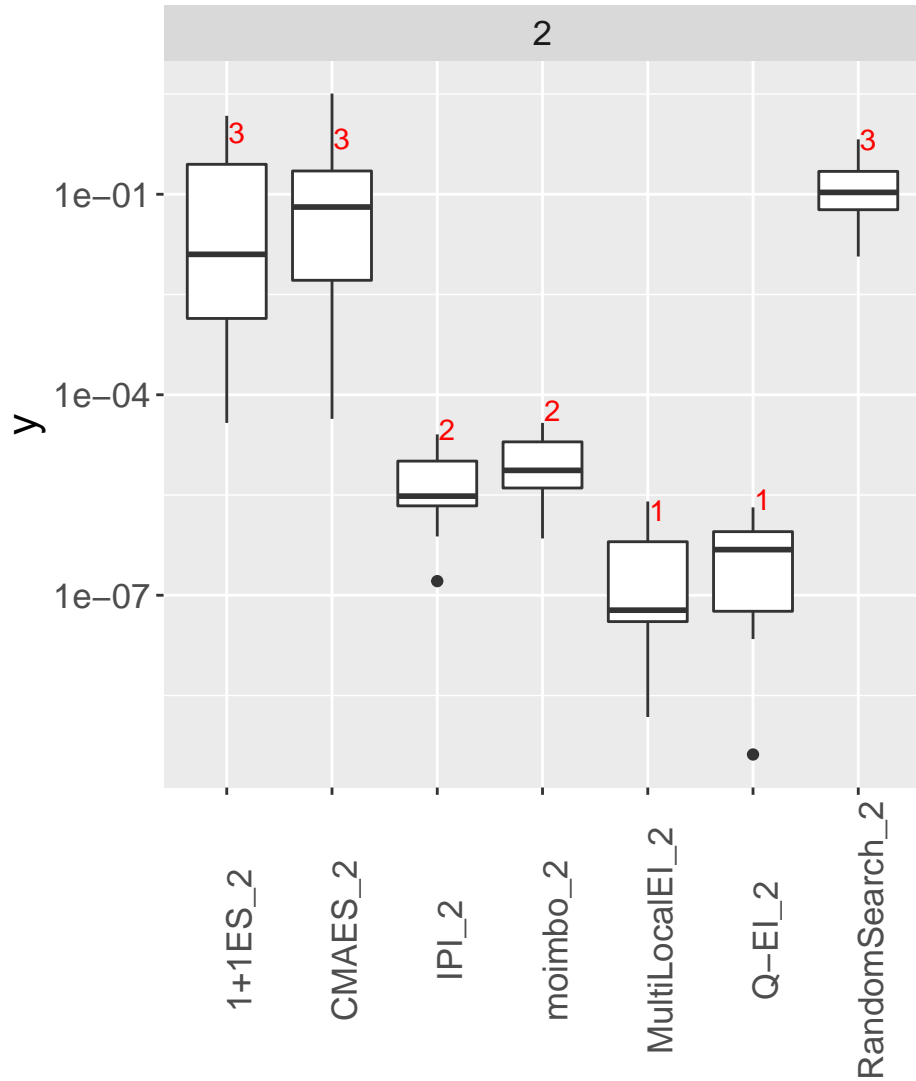
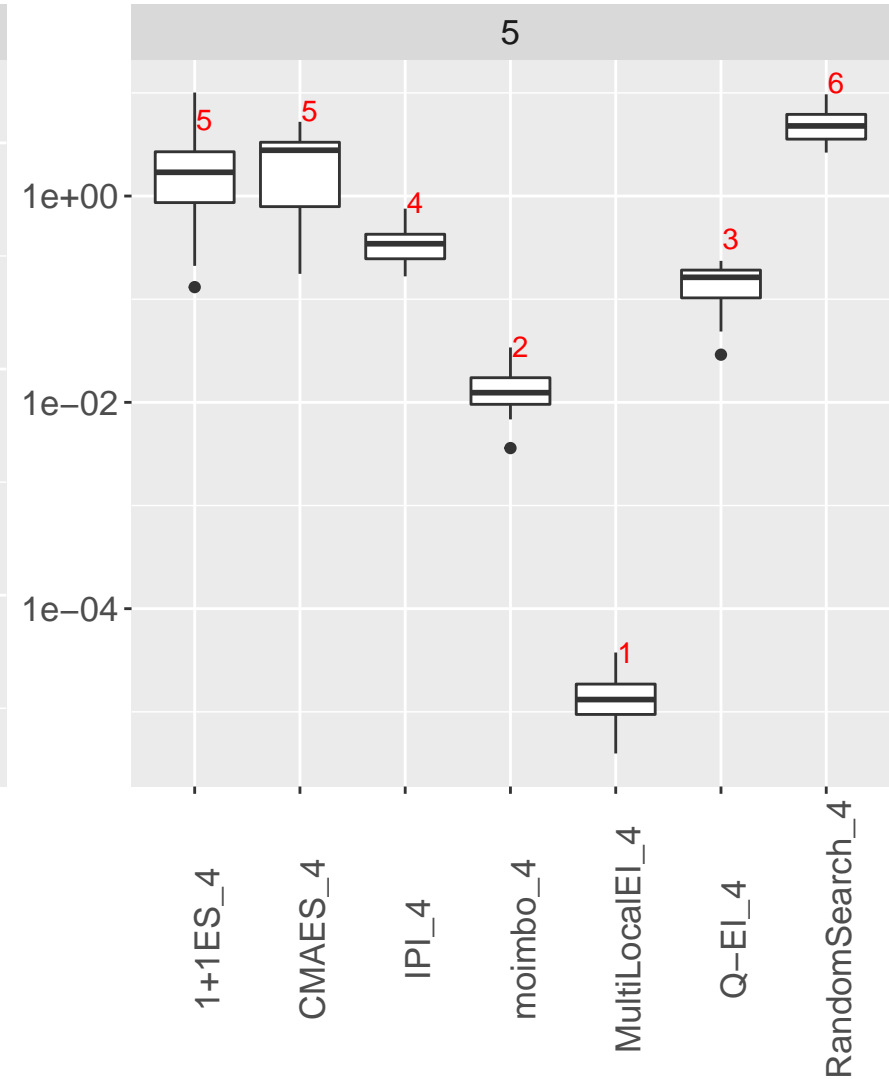
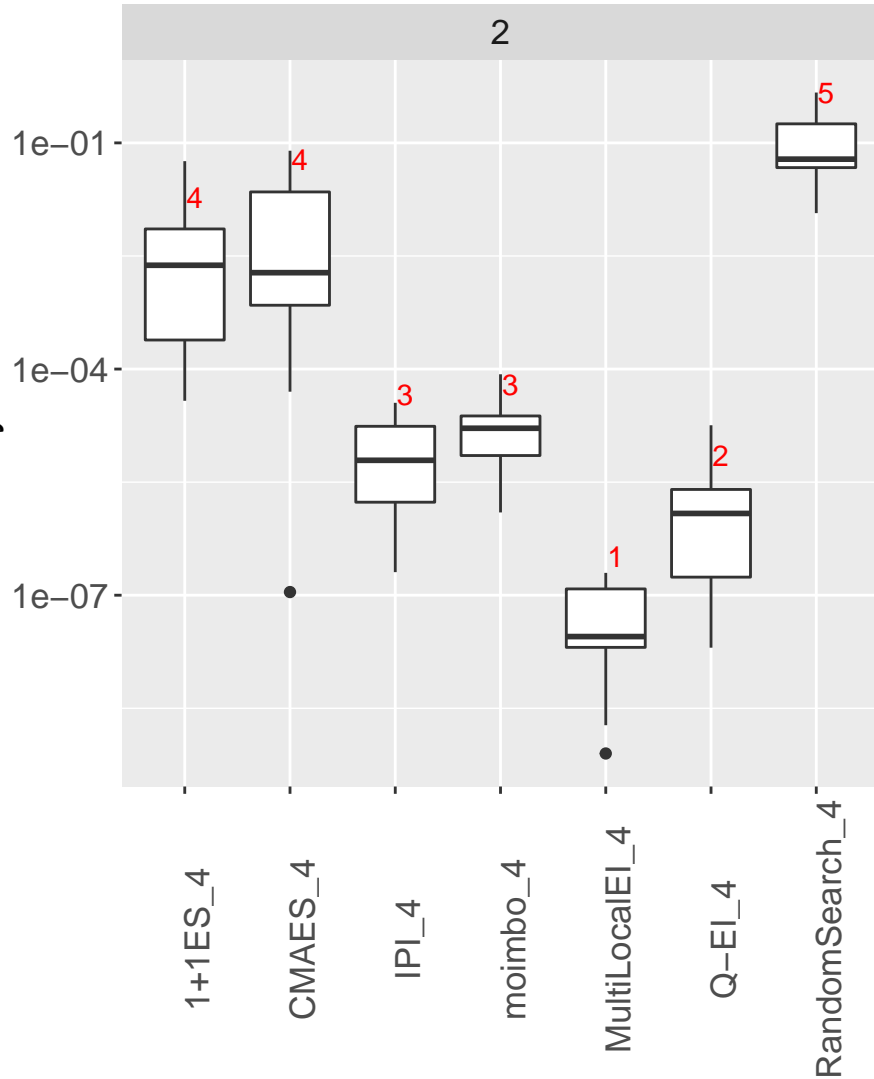
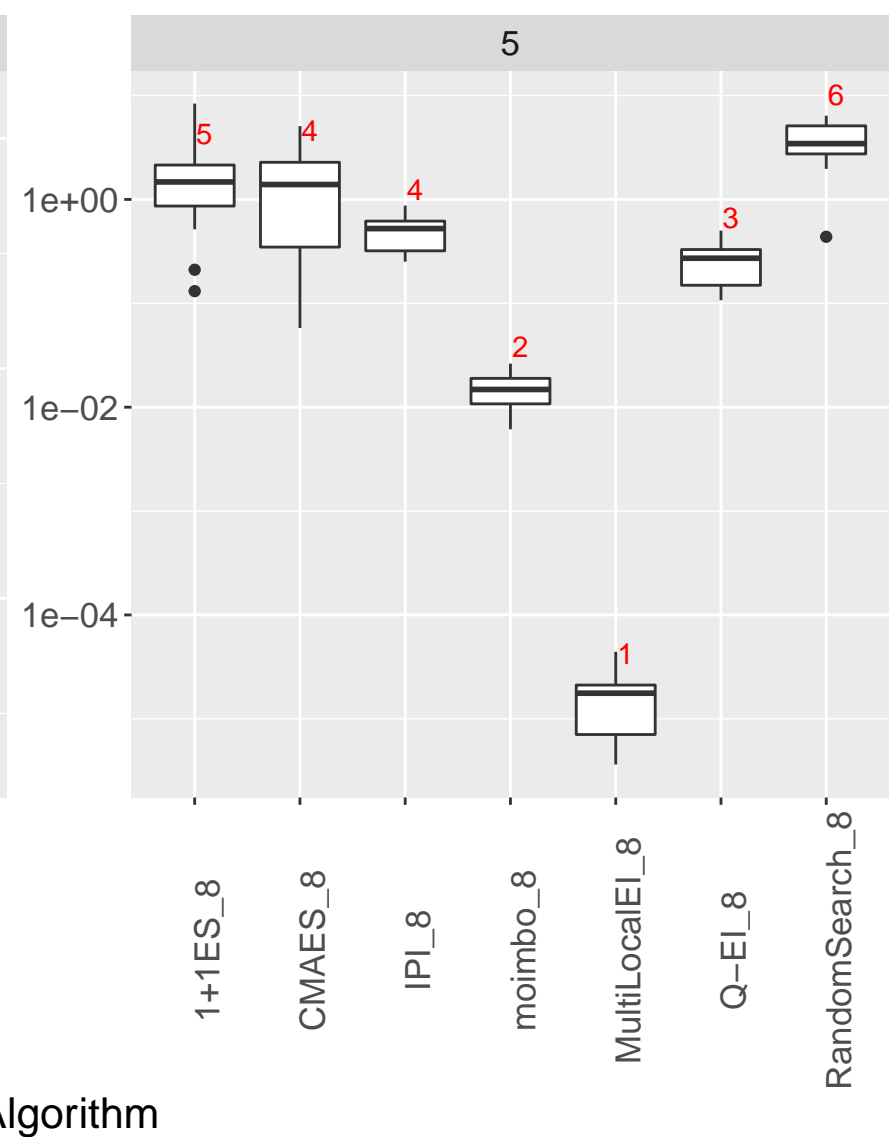
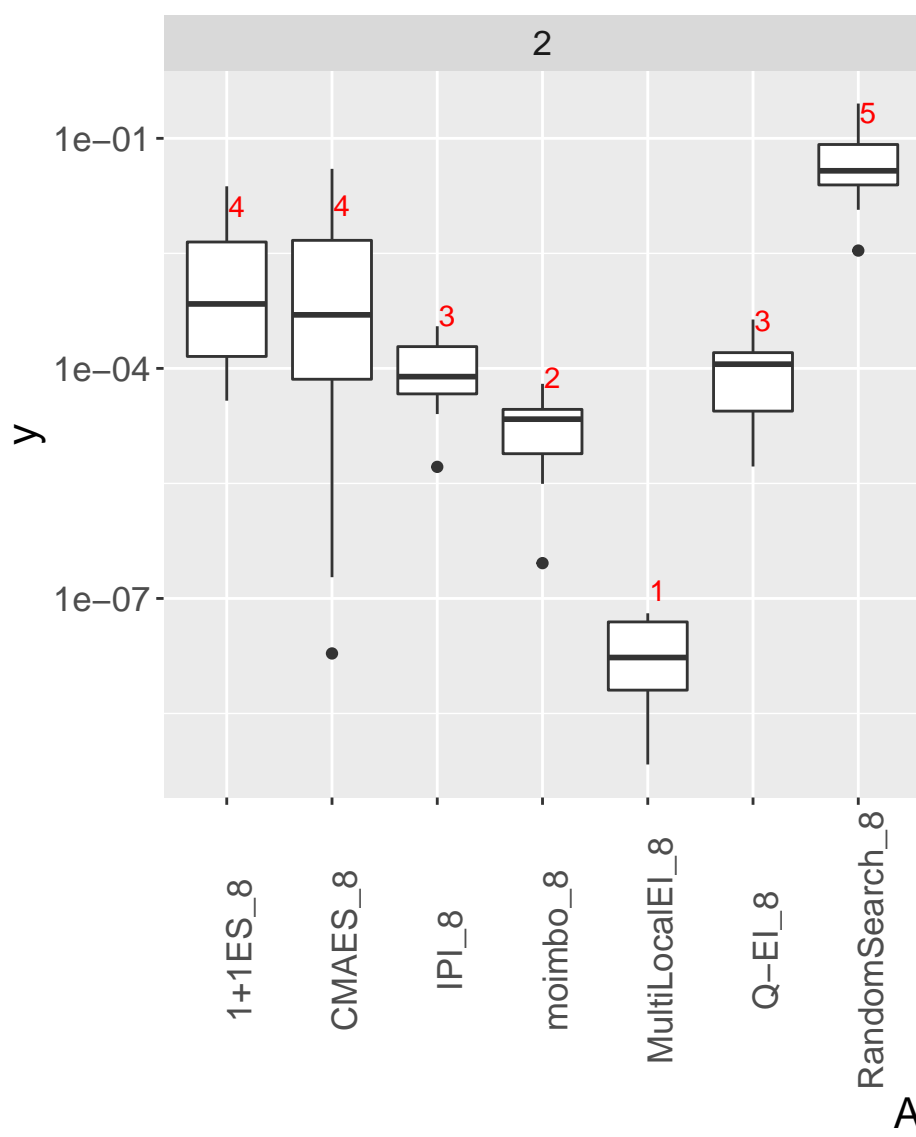


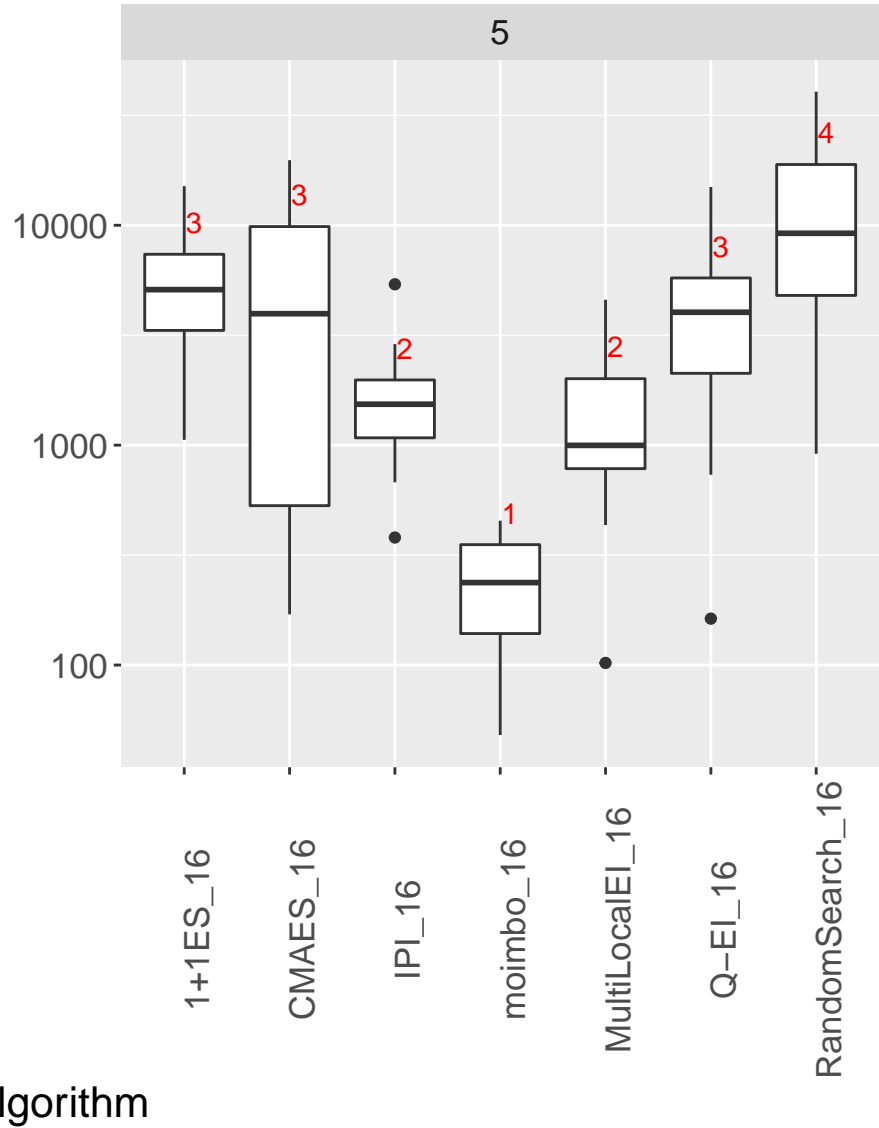
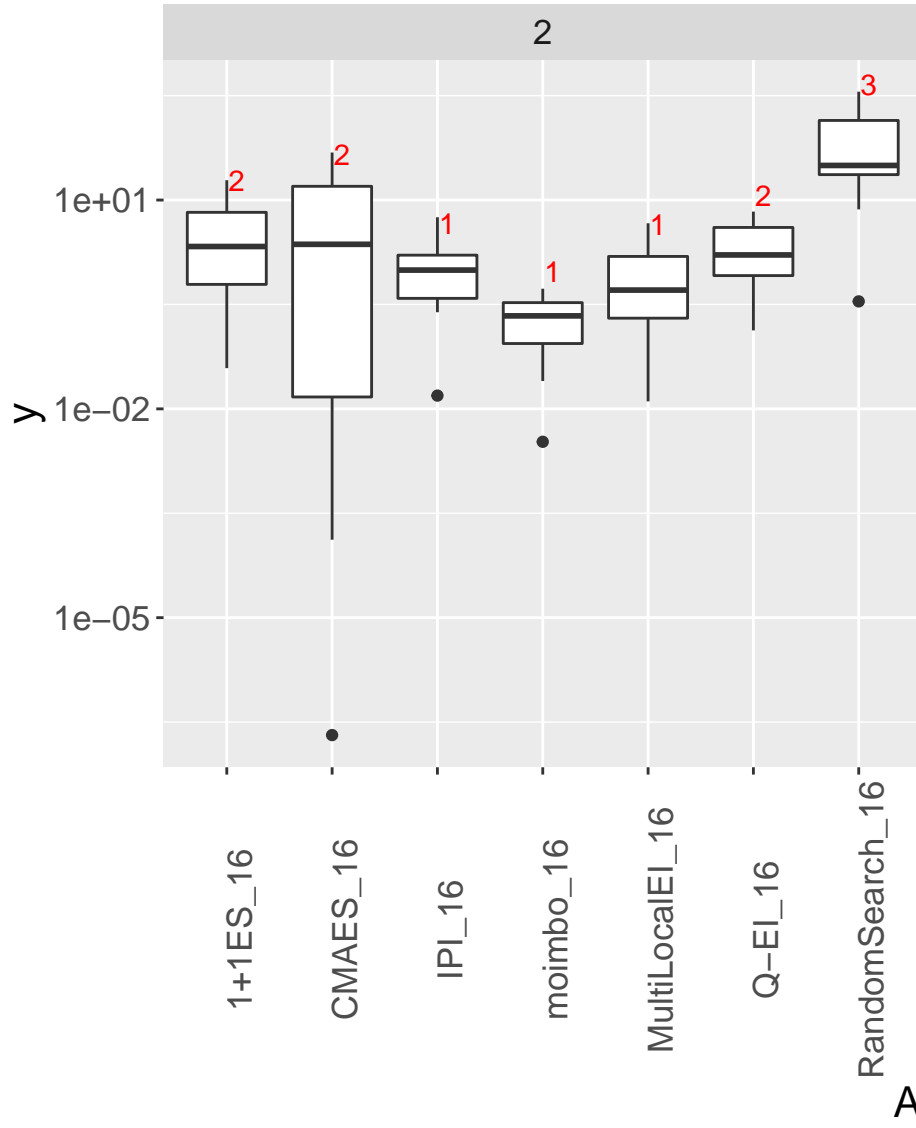
FunID: 1 – BatchSize: 2
Evaluation:



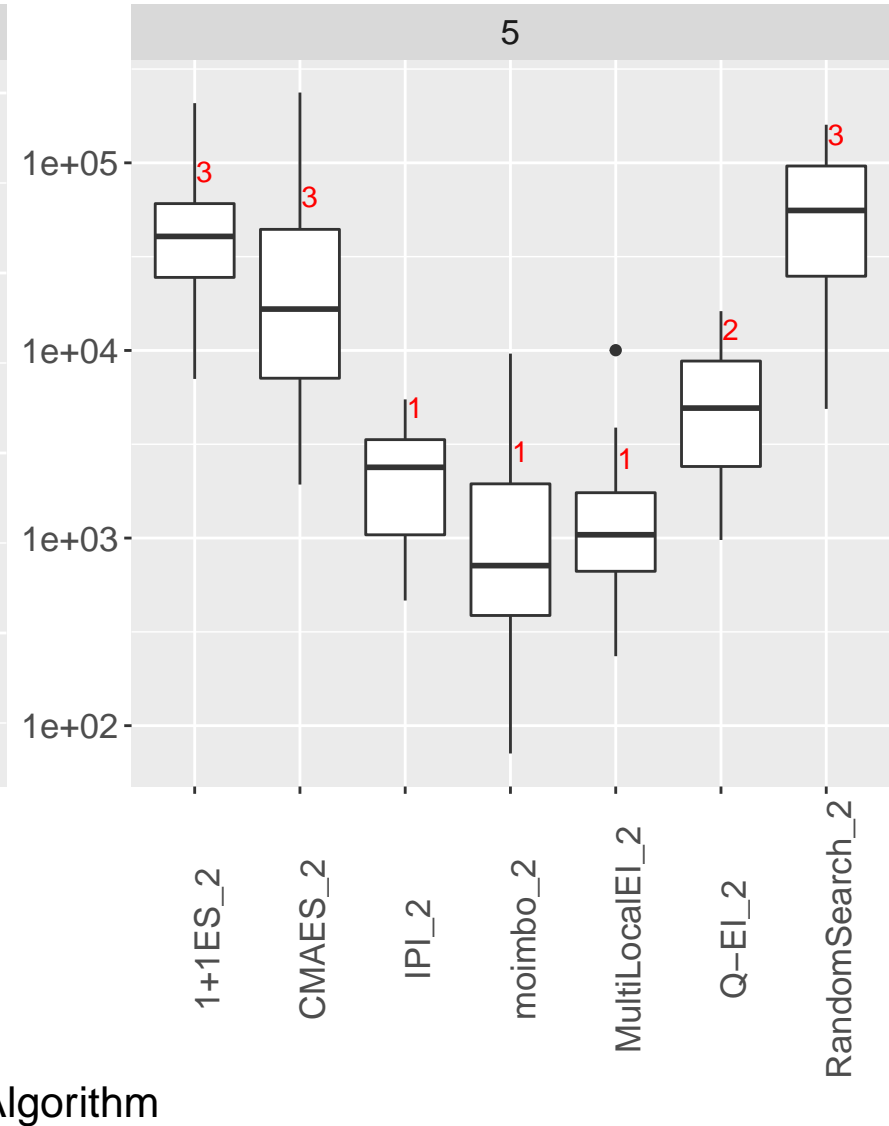
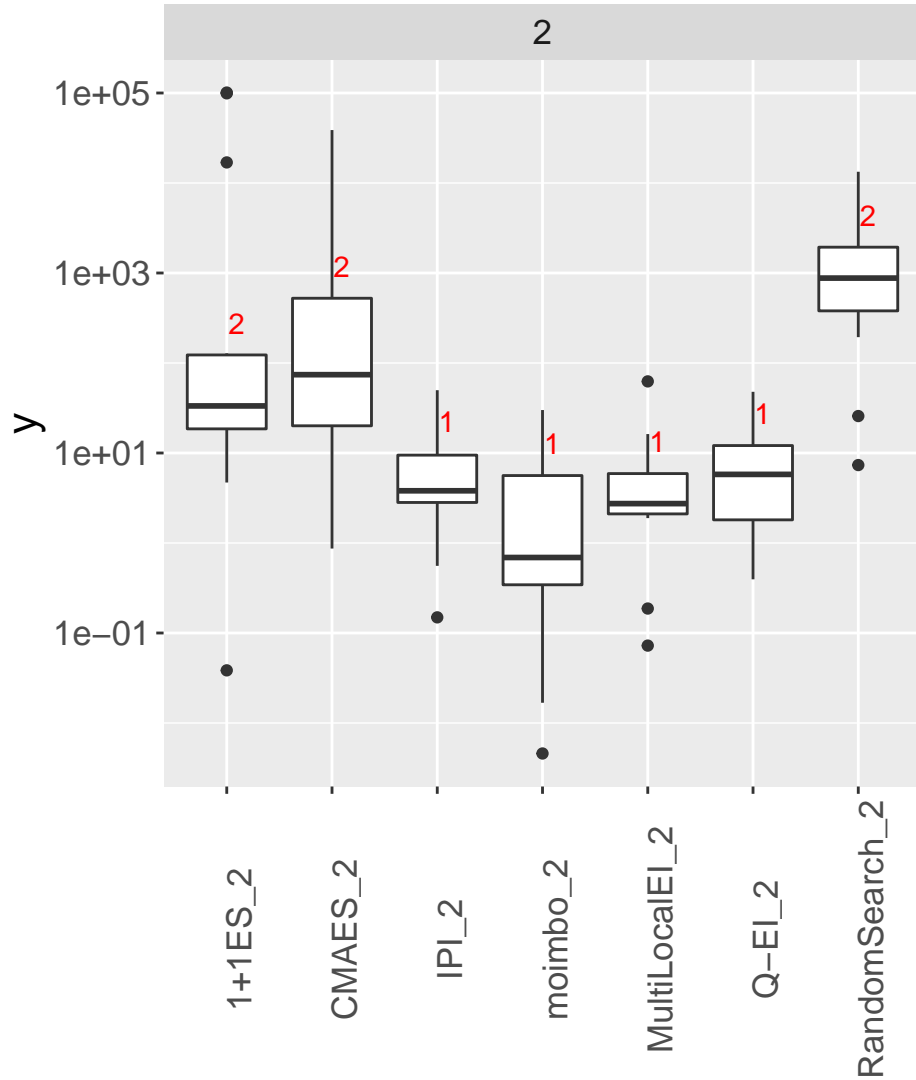
y

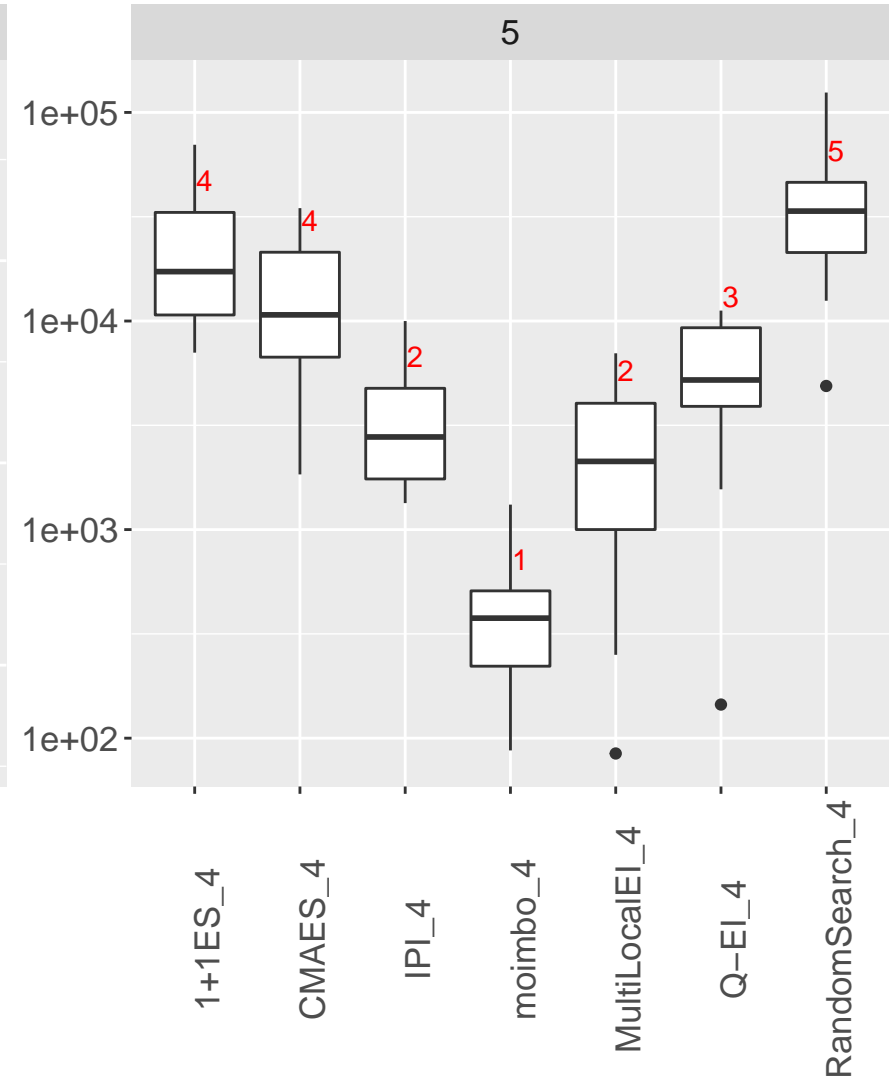
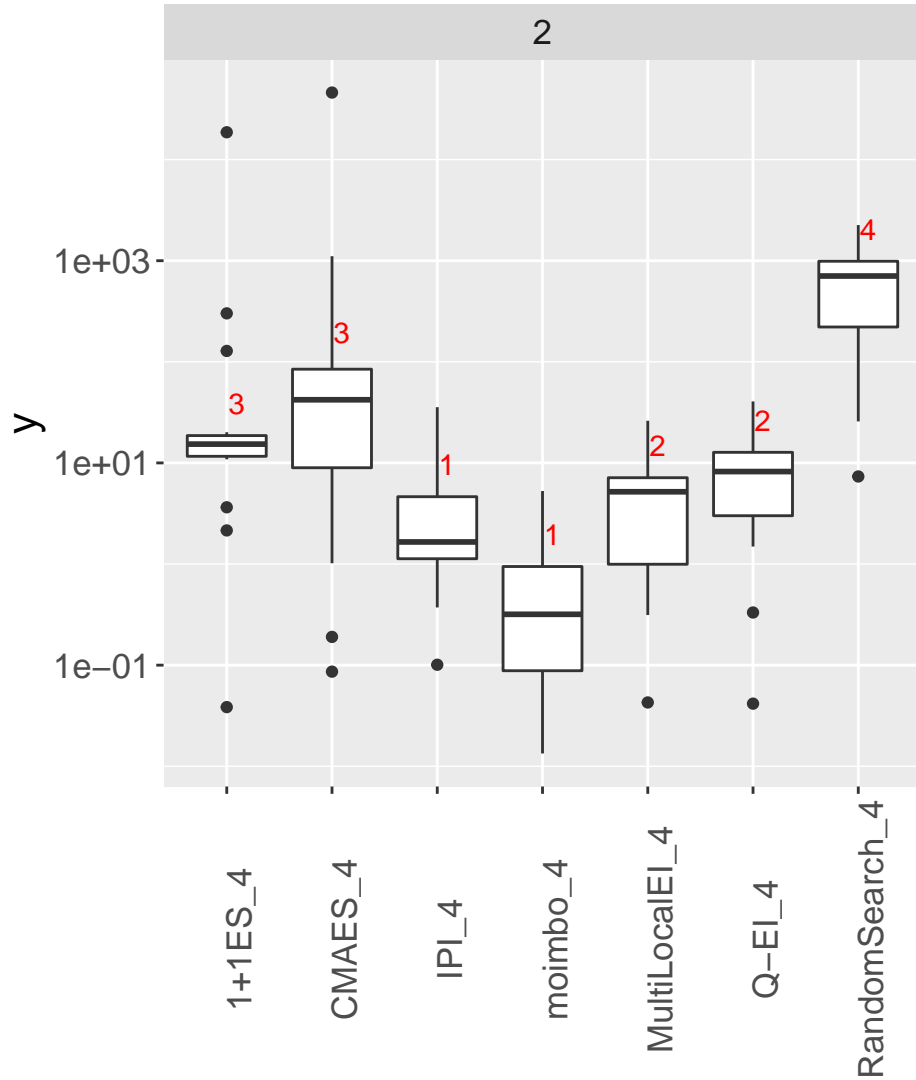




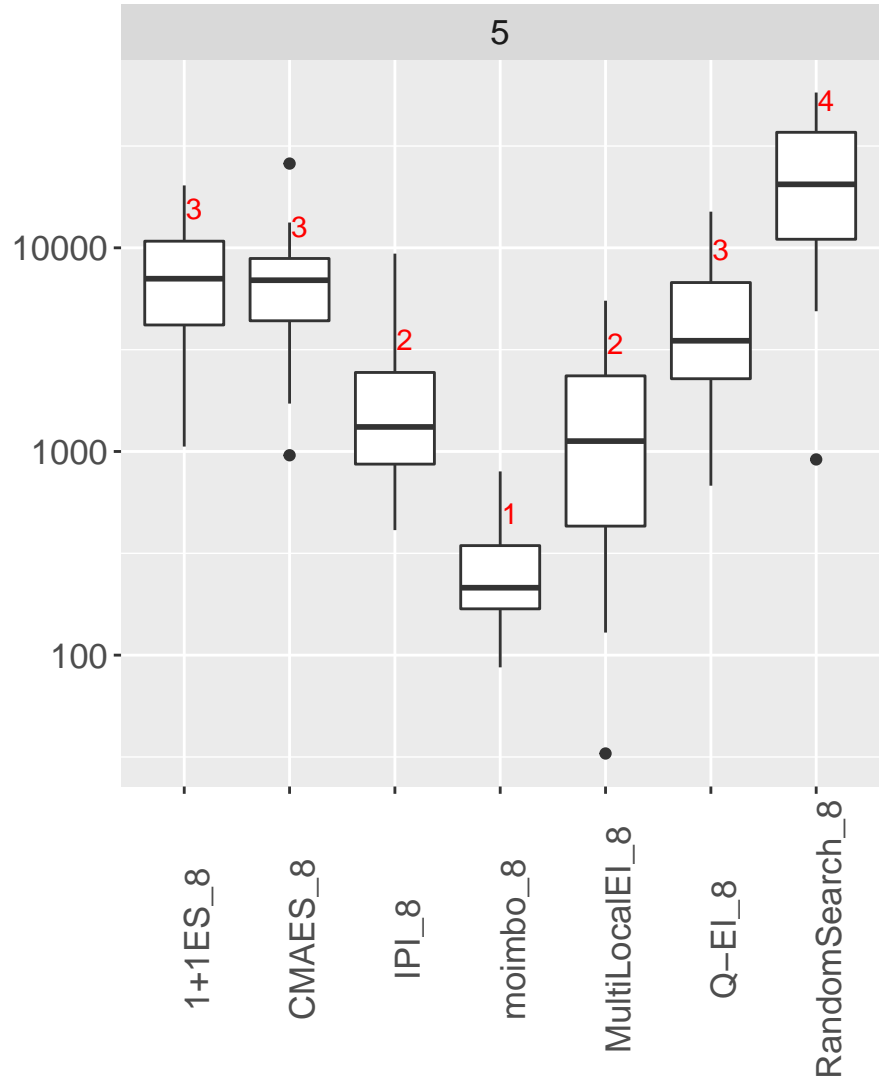
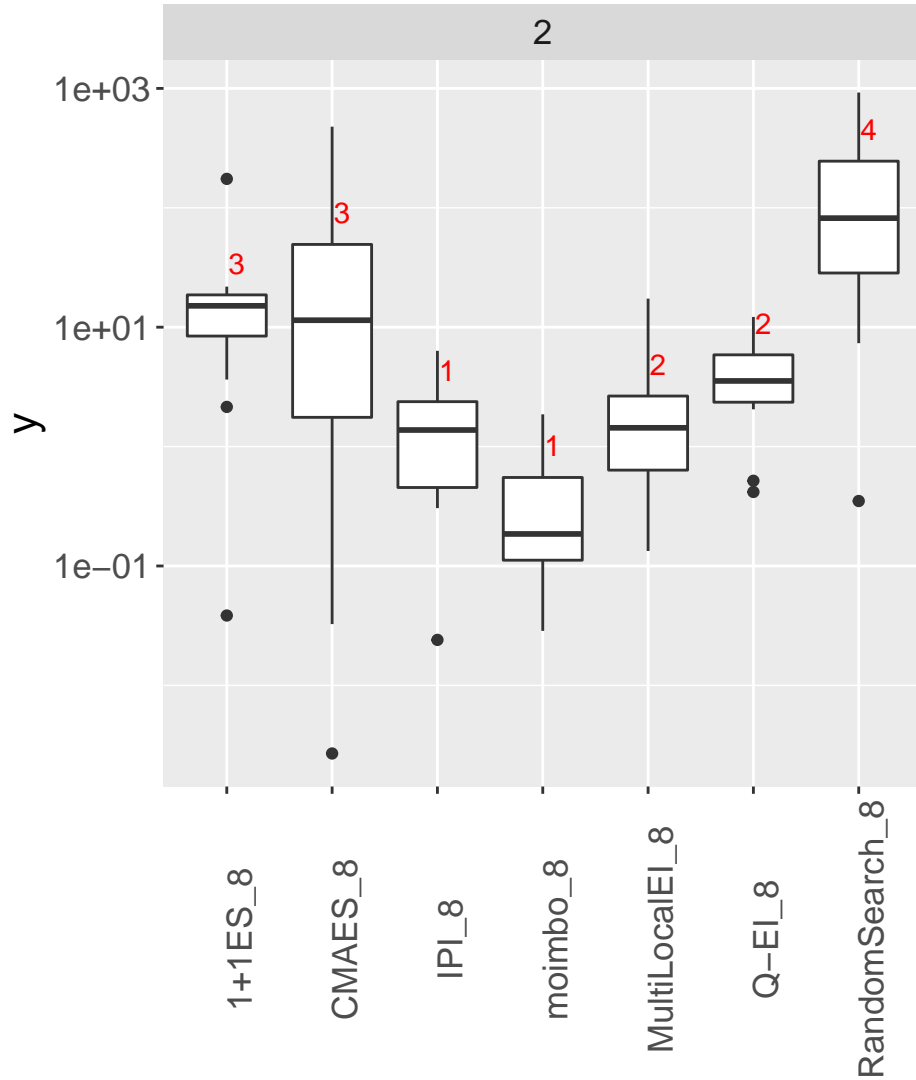


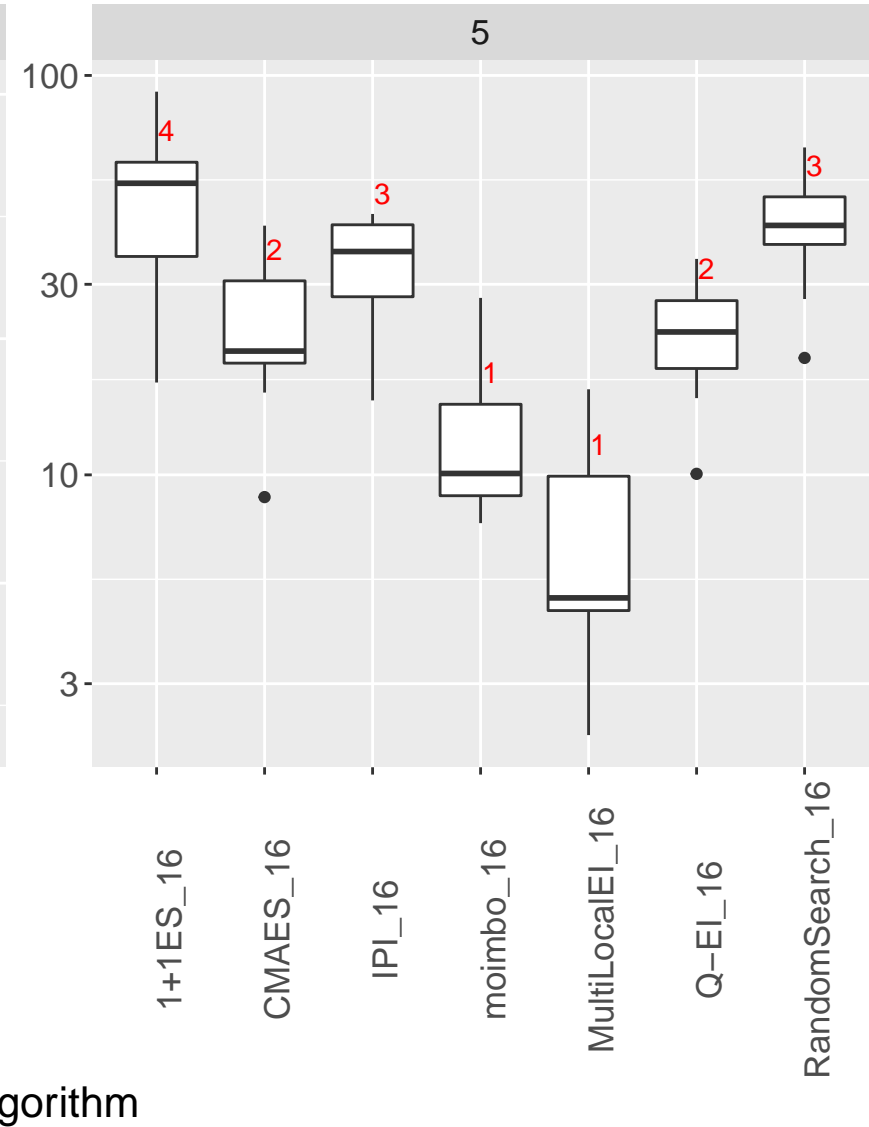
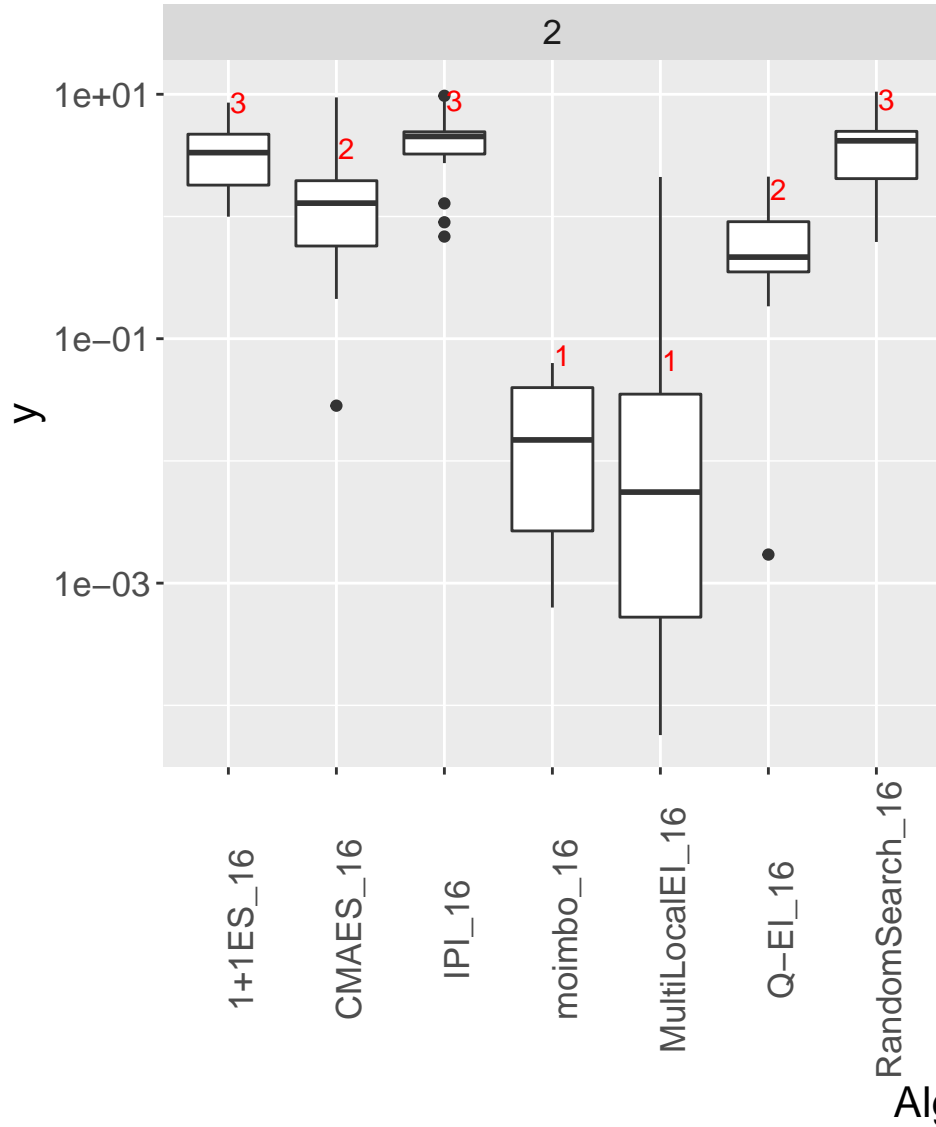
FunID: 2 – BatchSize: 2
Evaluation:



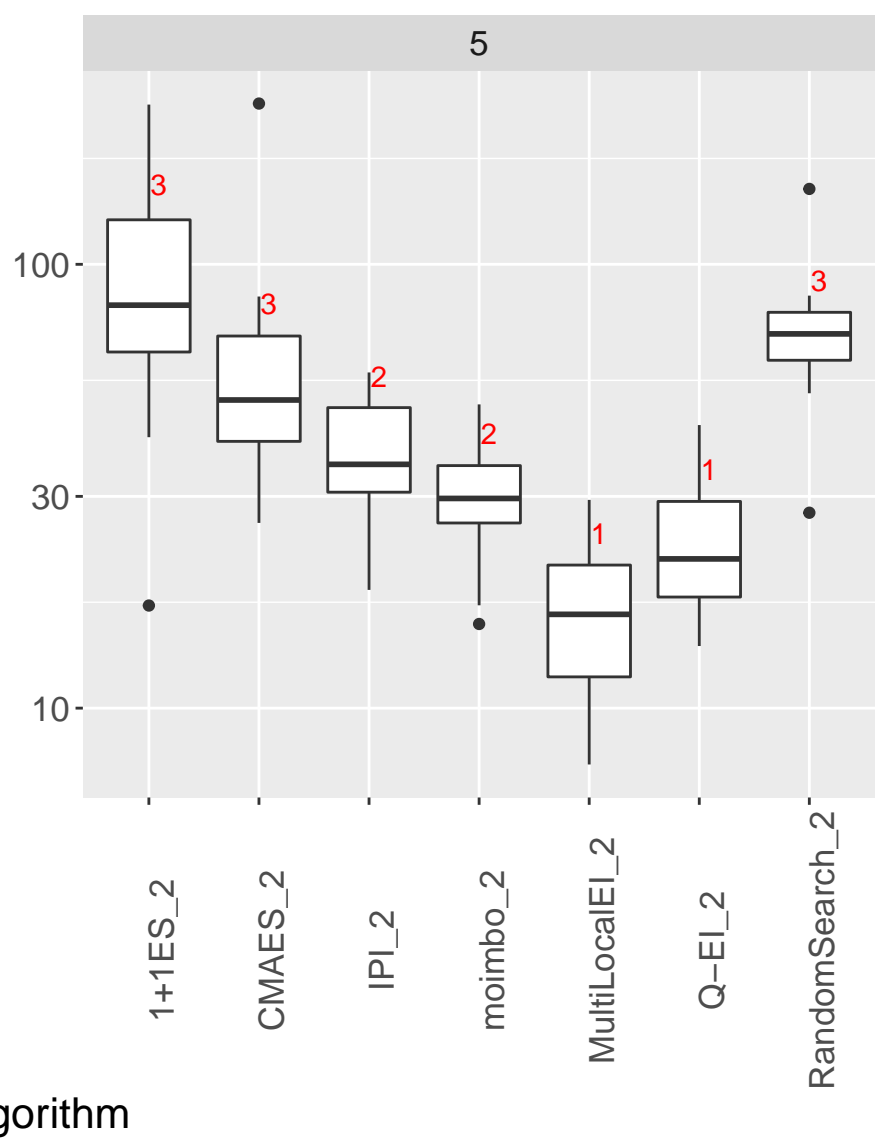
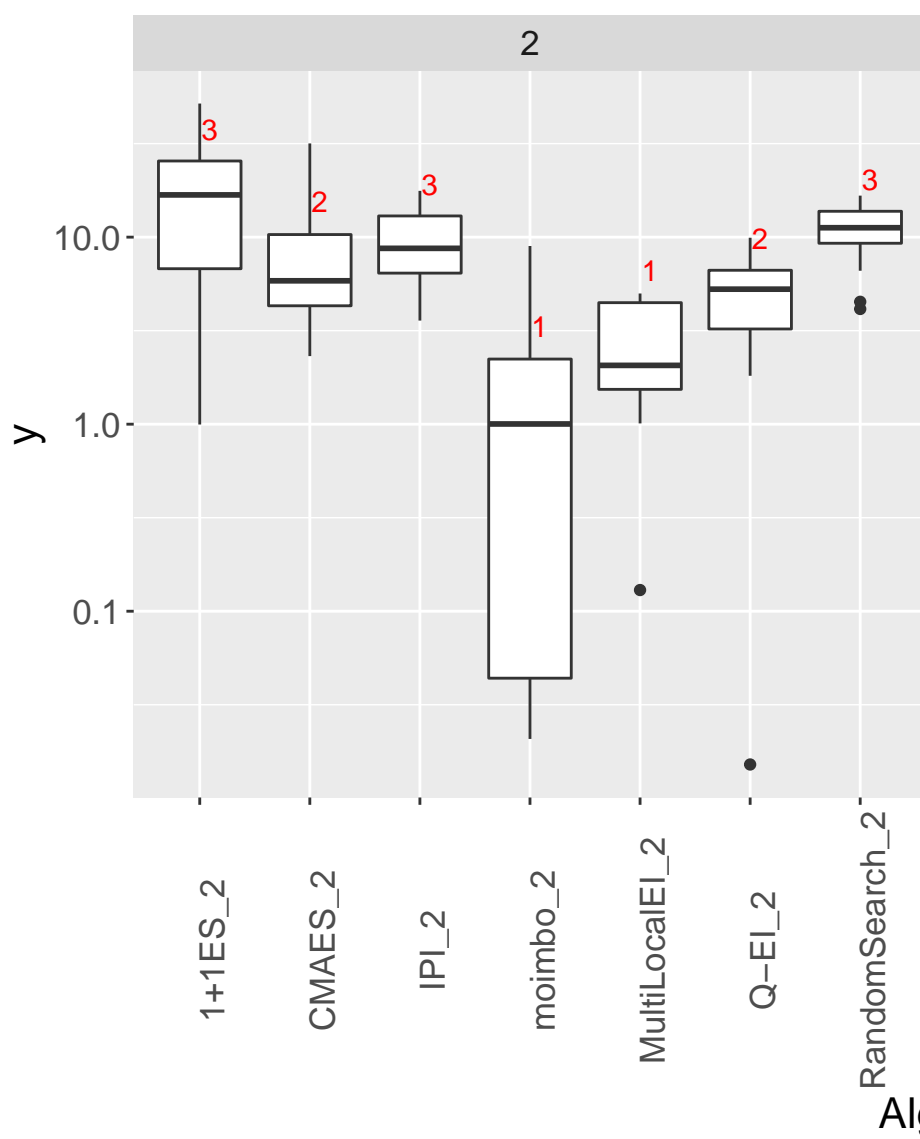


FunID: 2 – BatchSize: 8
Evaluation:

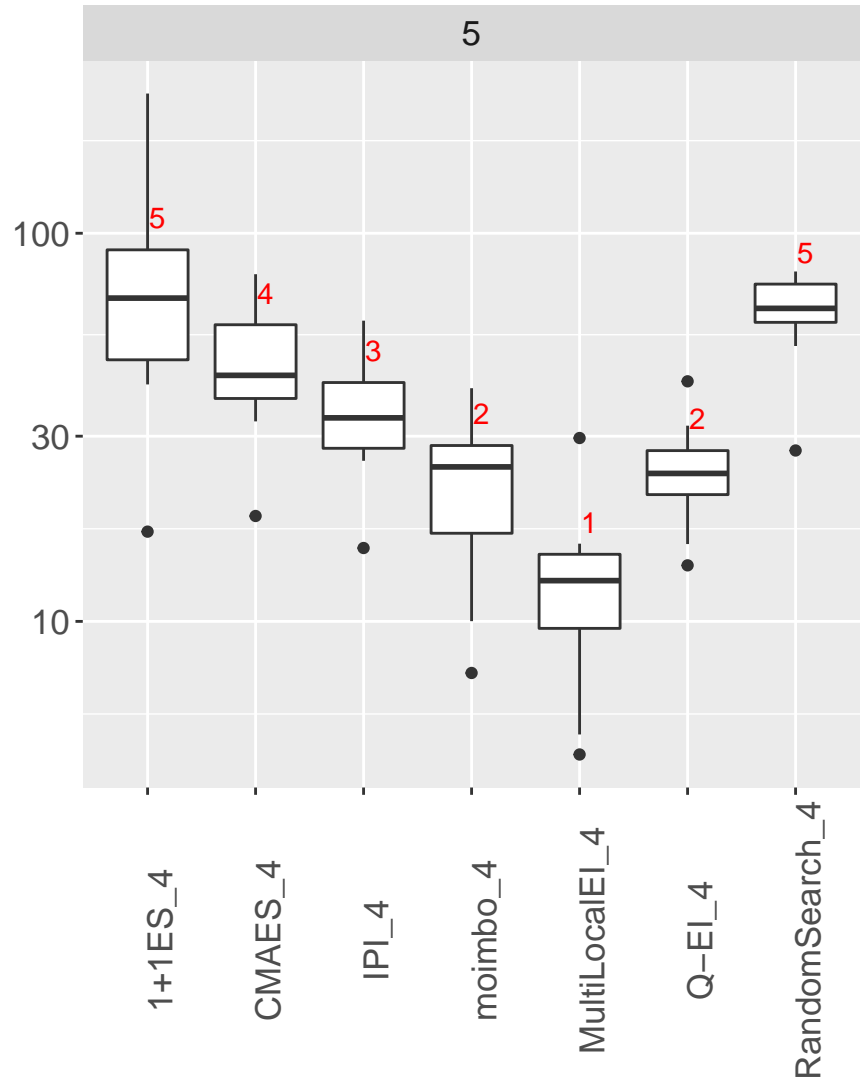
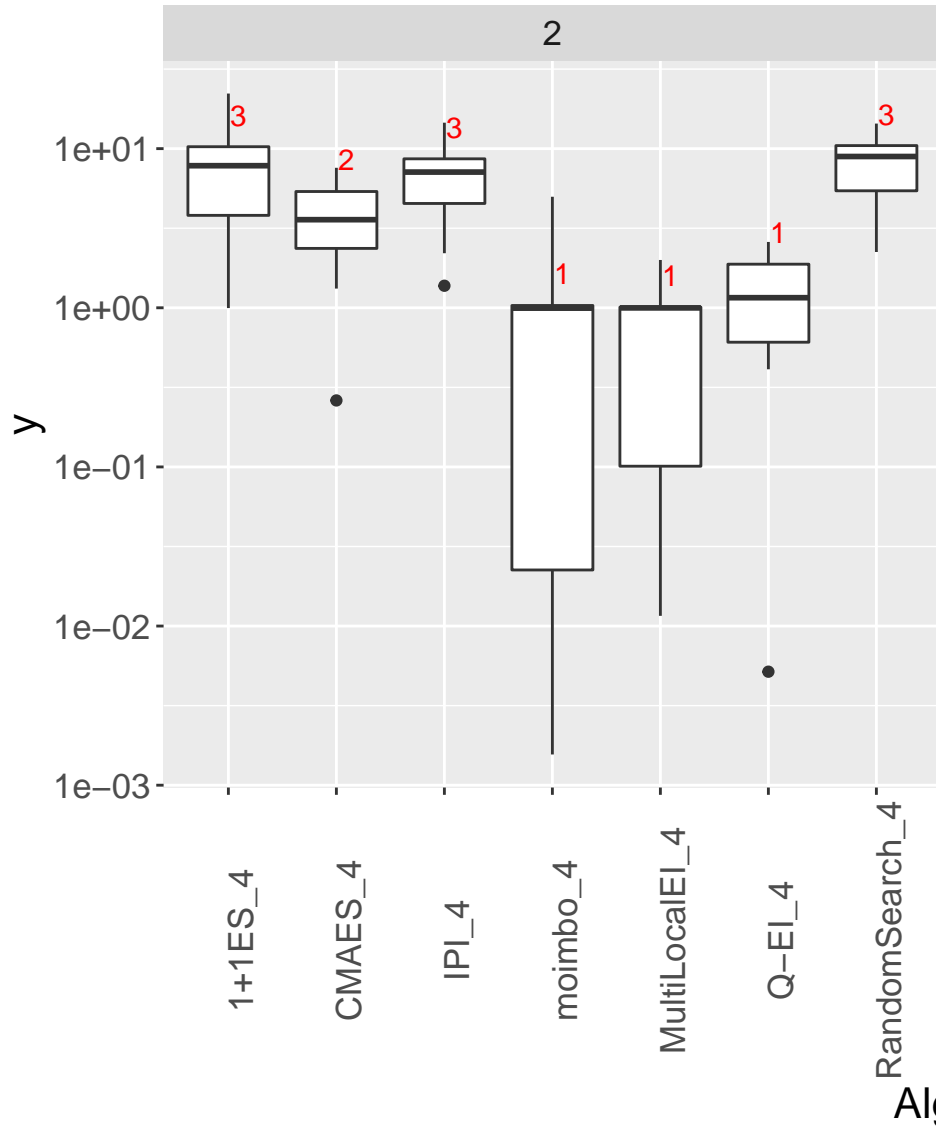


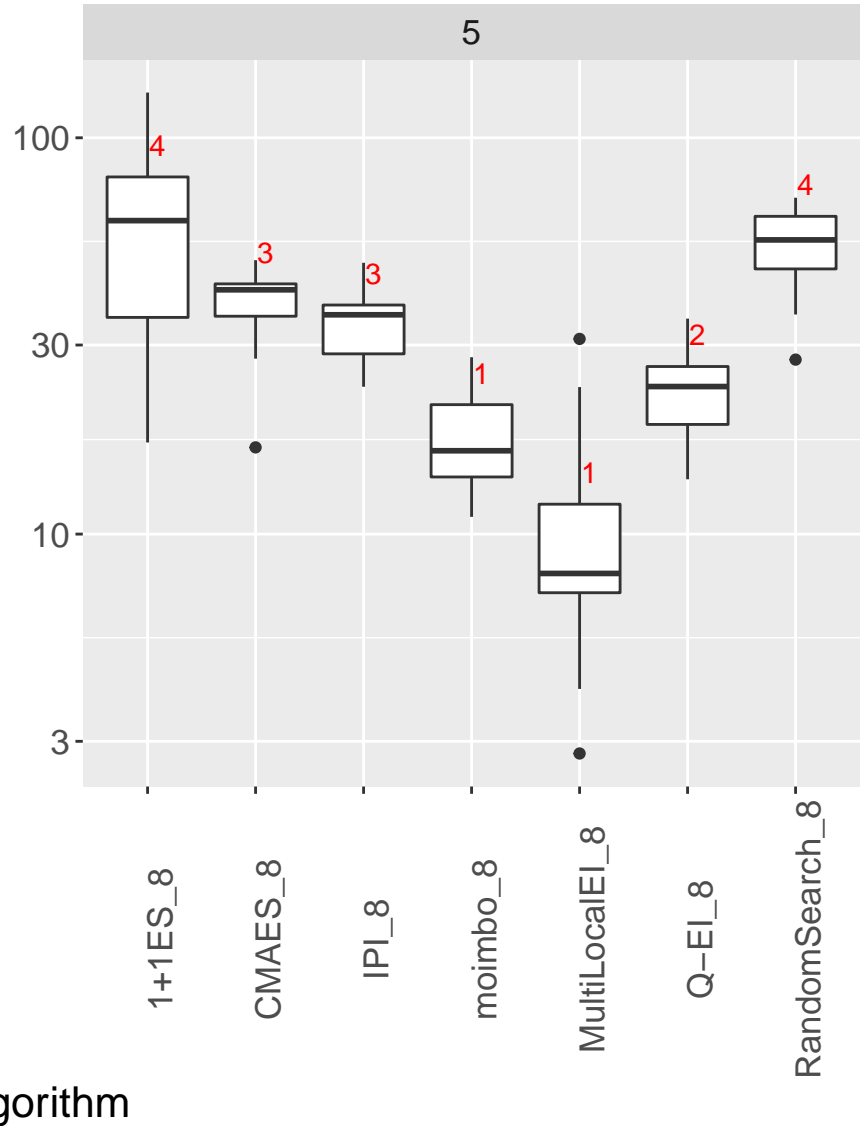
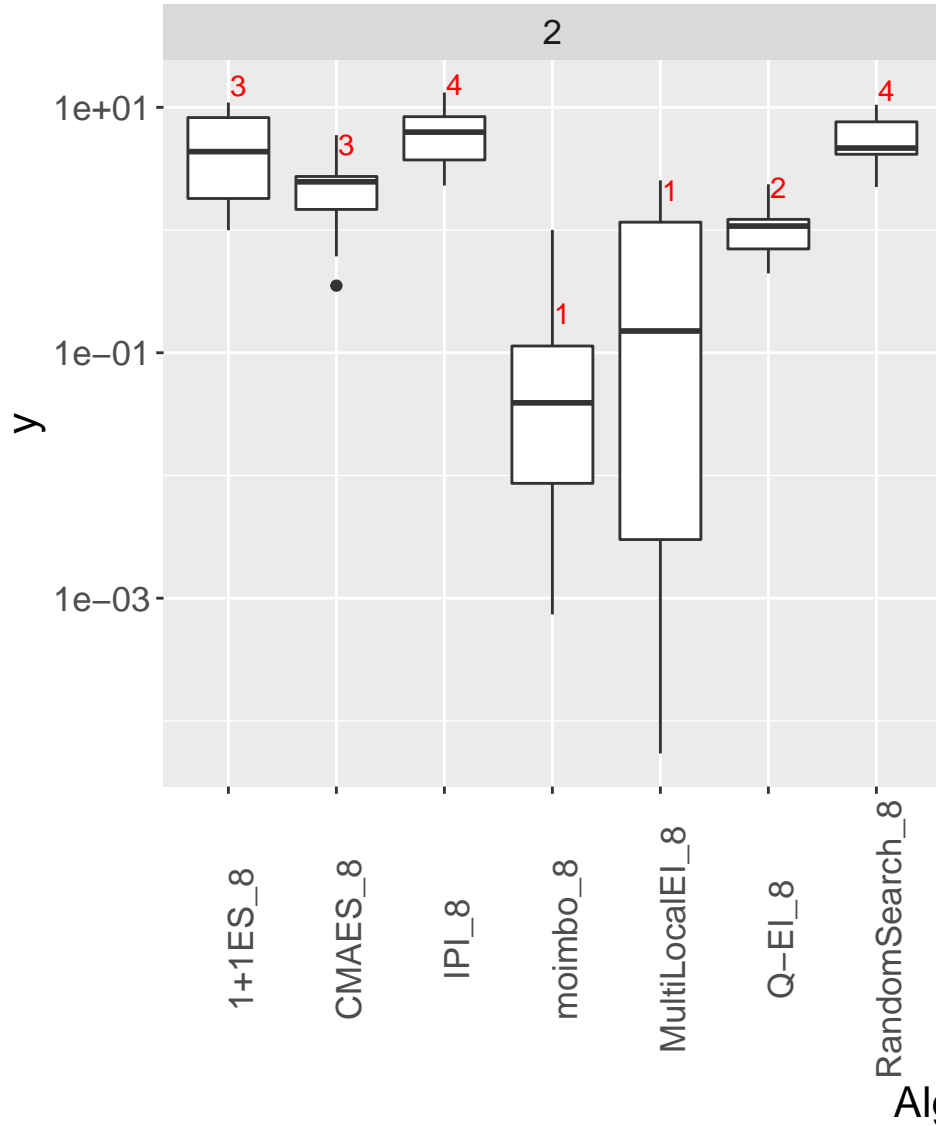


FunID: 3 – BatchSize: 2
Evaluation:

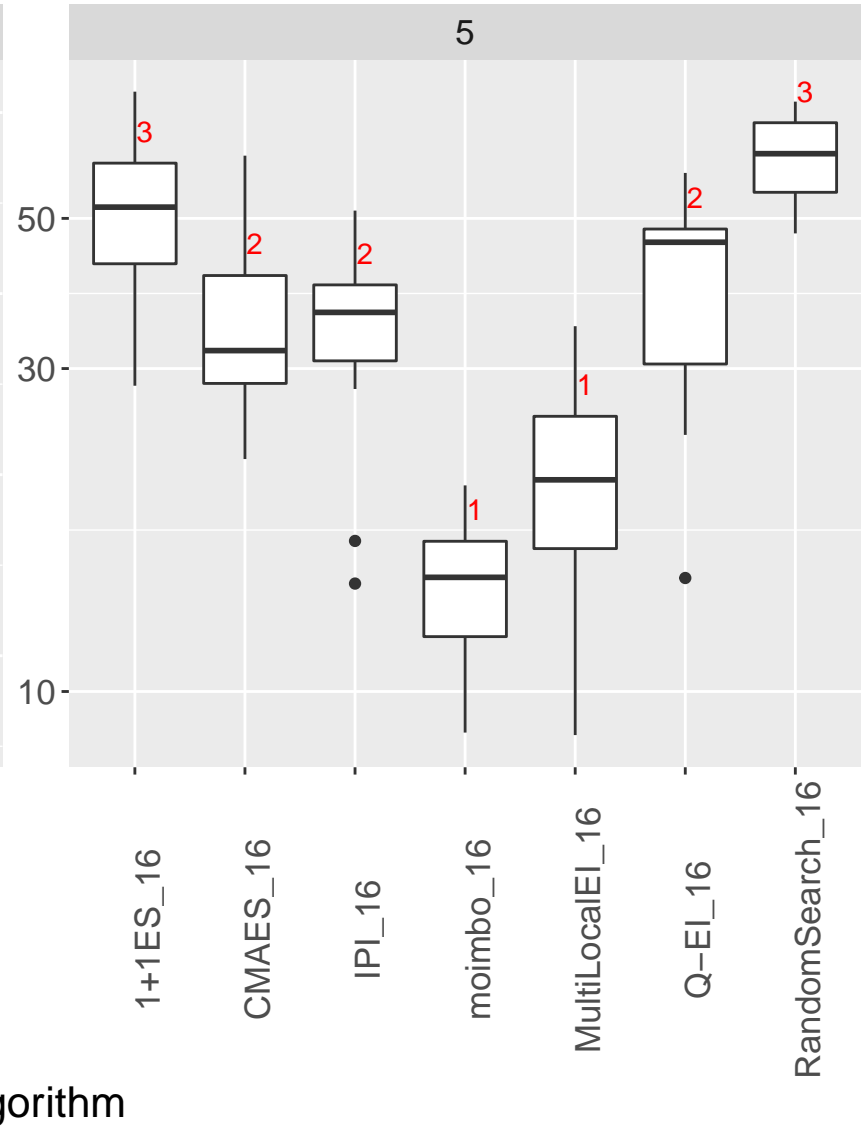
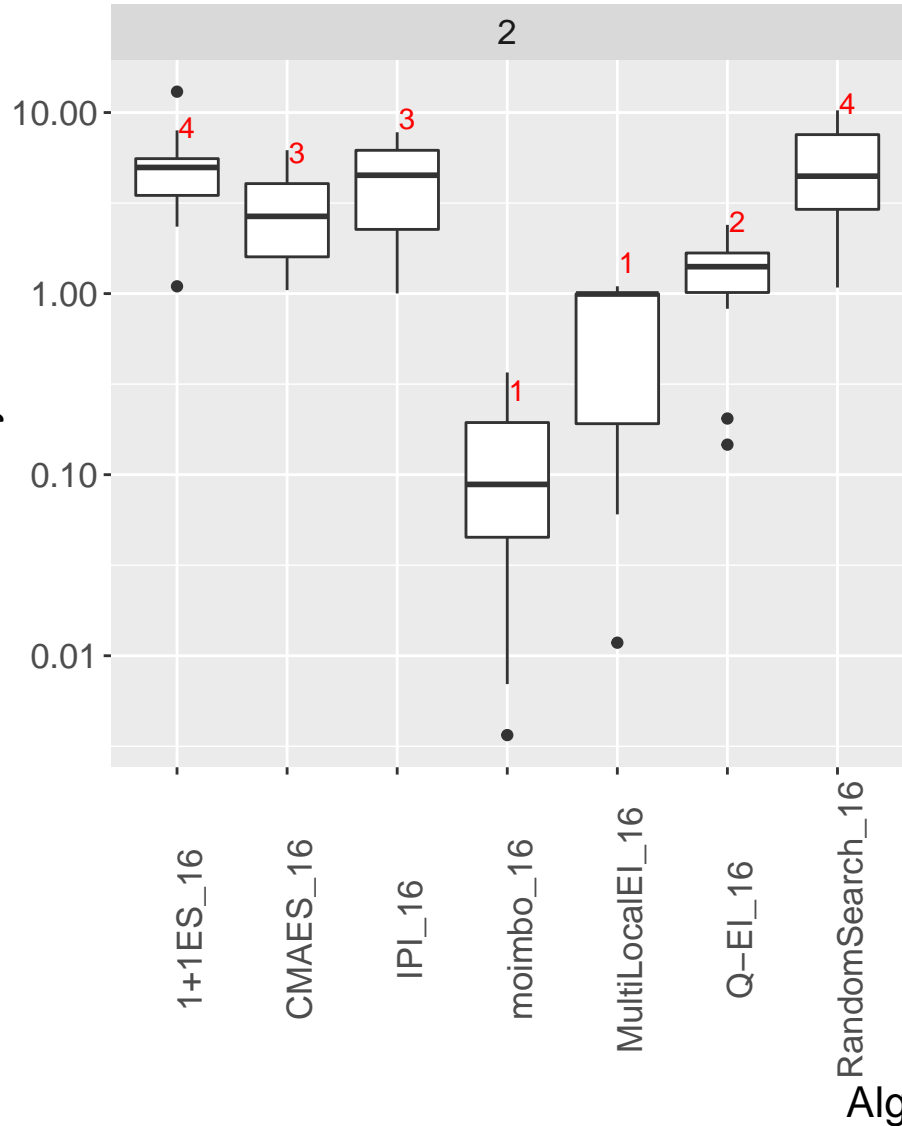


FunID: 3 – BatchSize: 4
Evaluation:

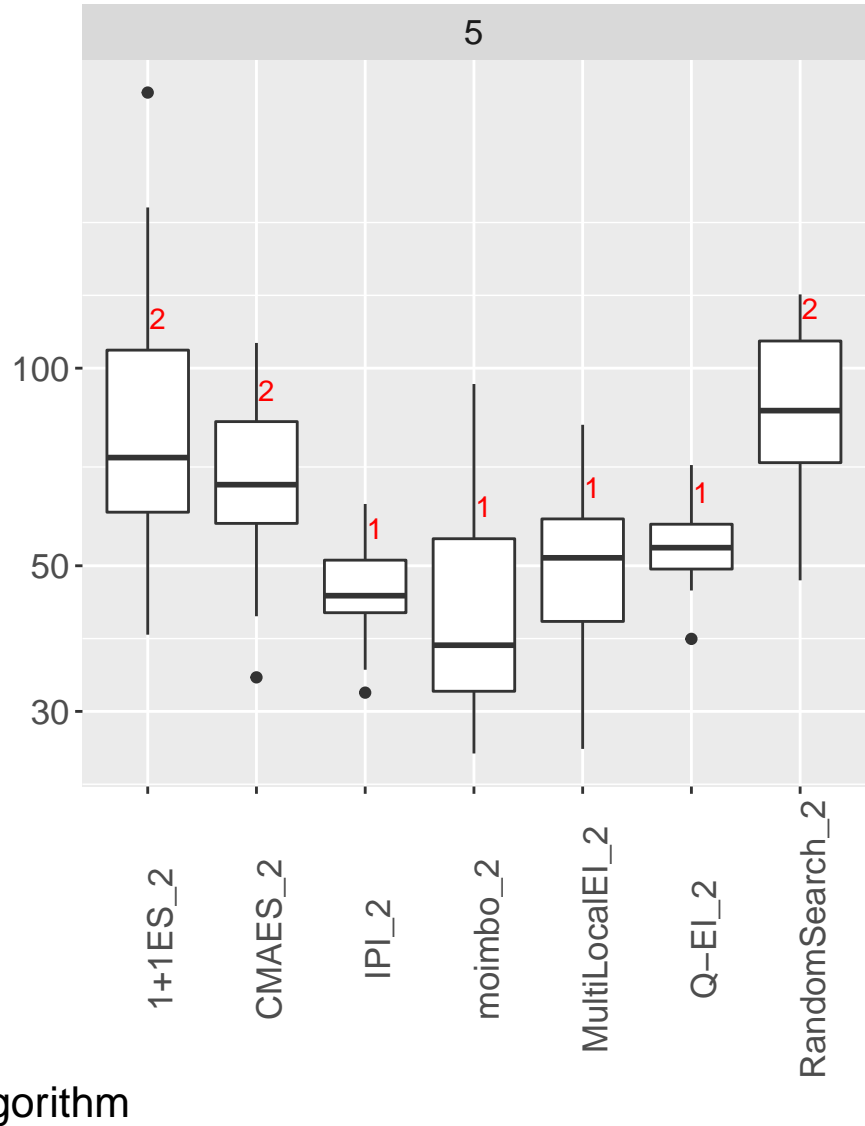
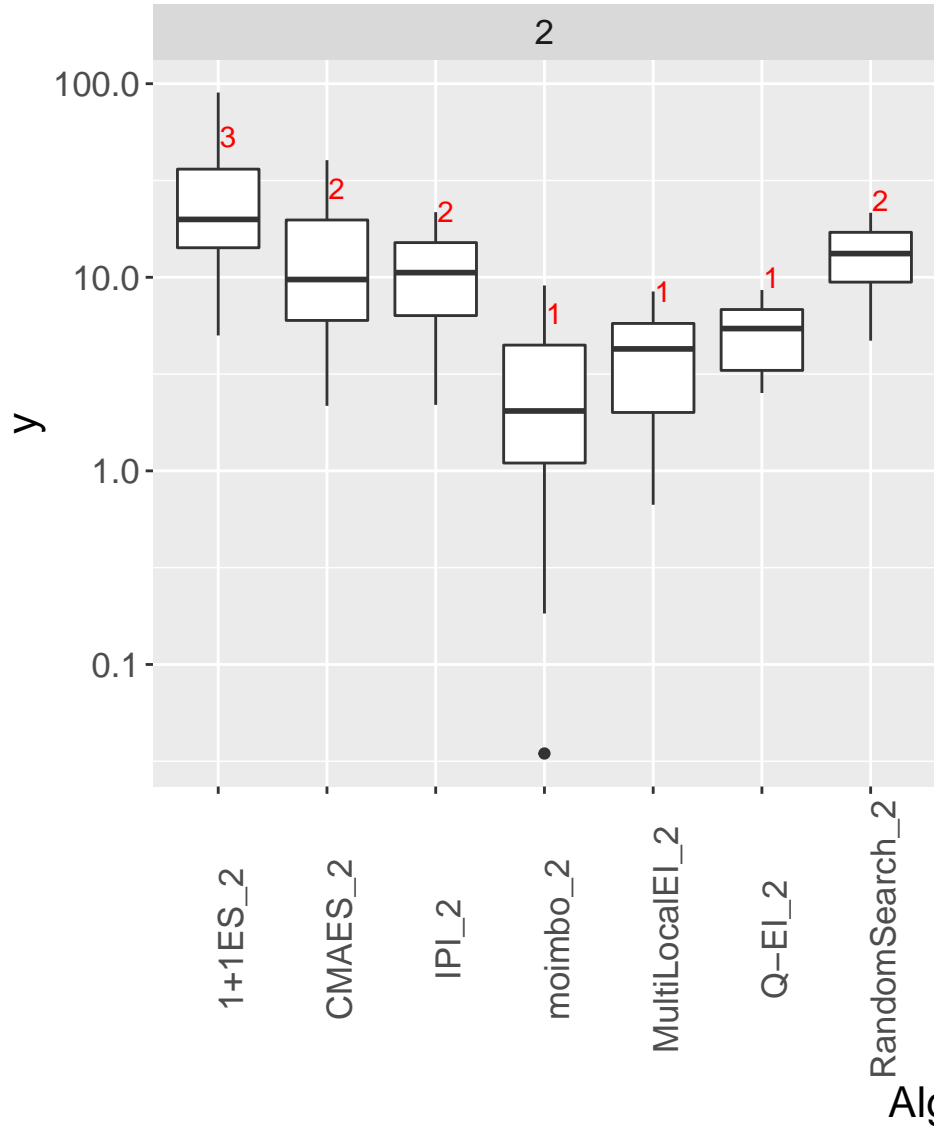




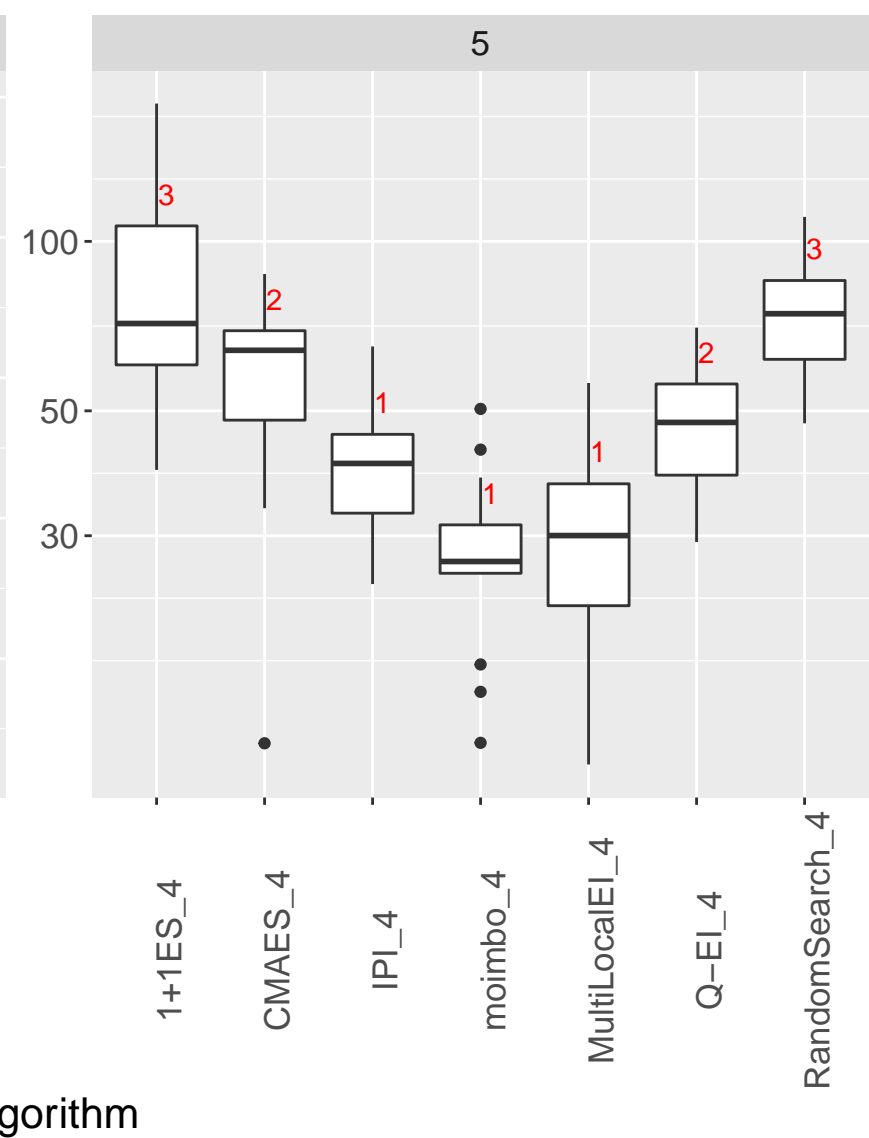
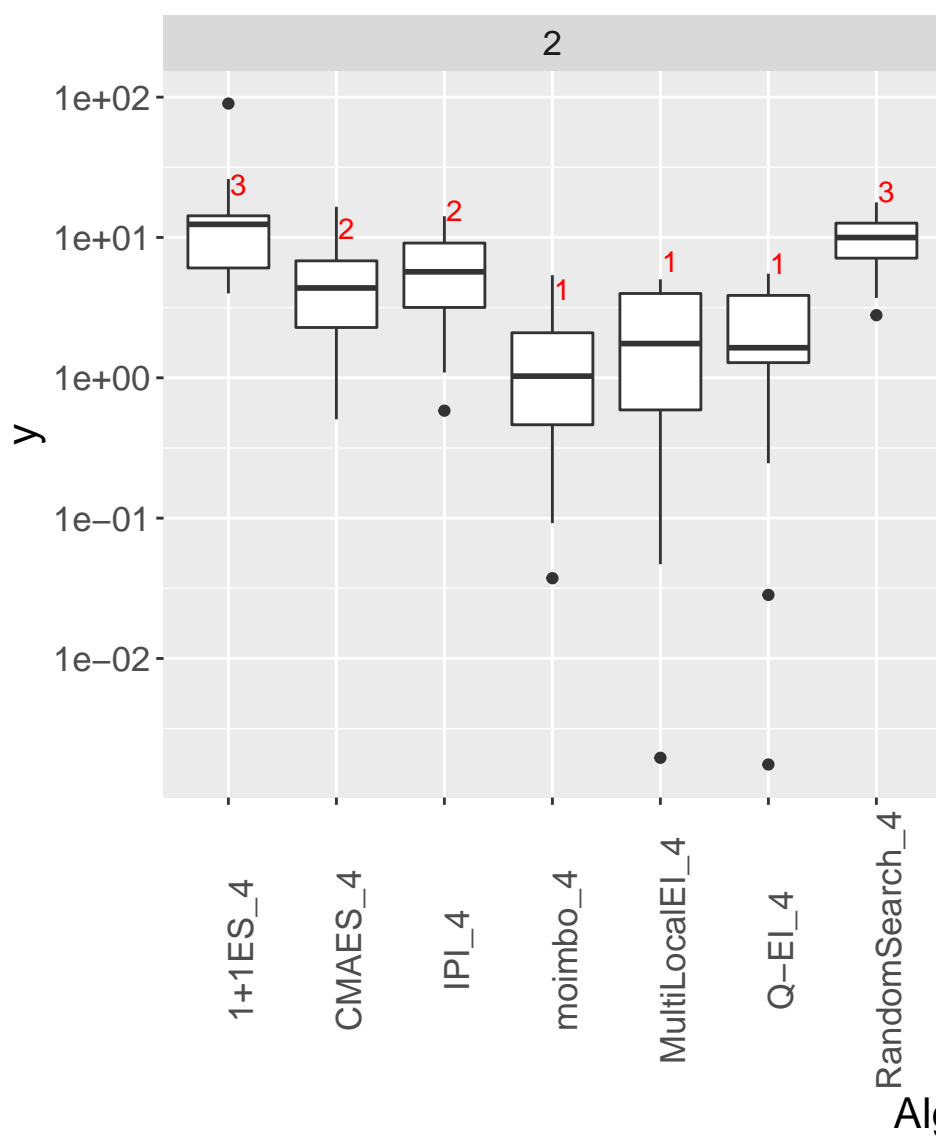
y



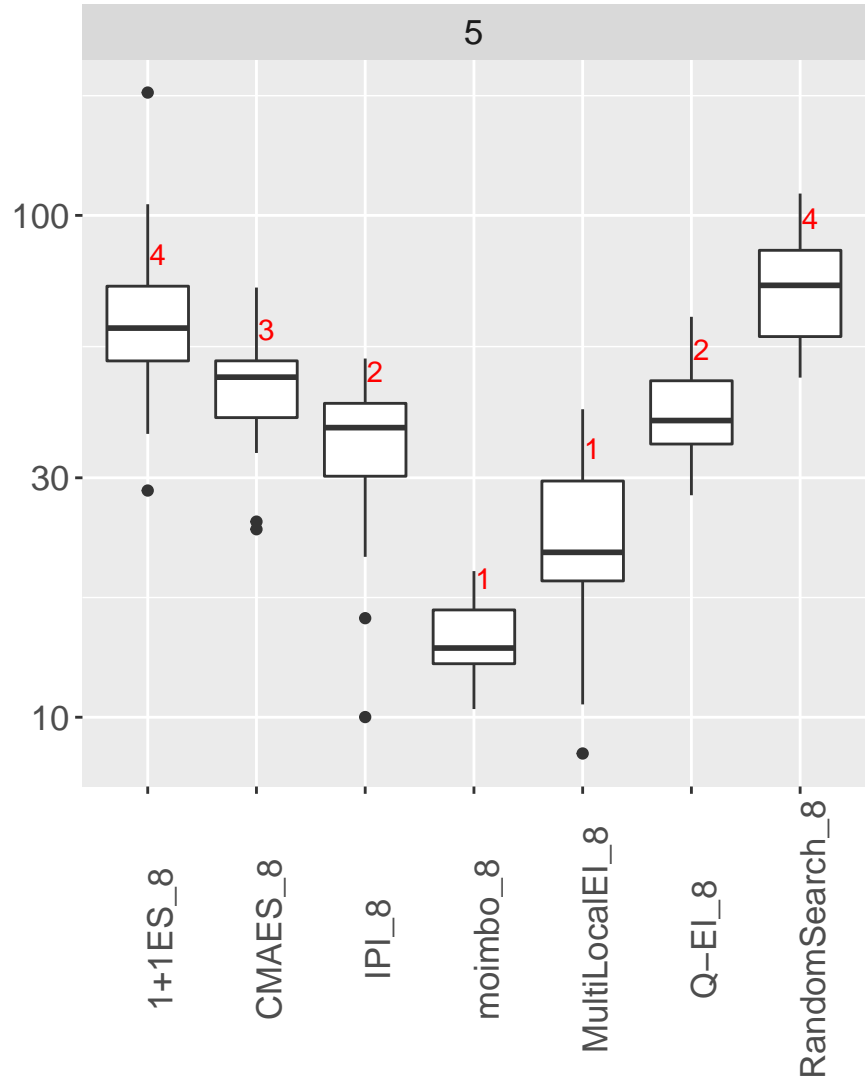
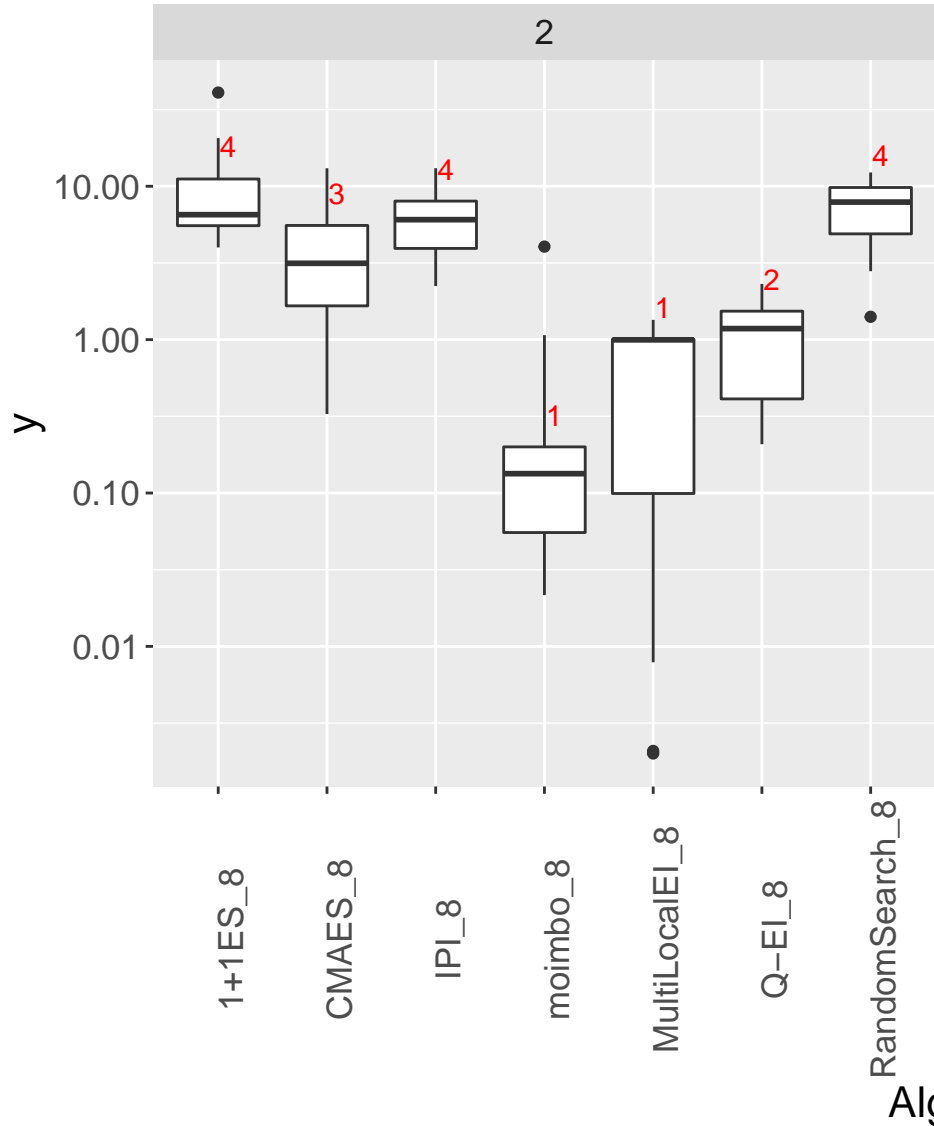
FunID: 4 – BatchSize: 2
Evaluation:



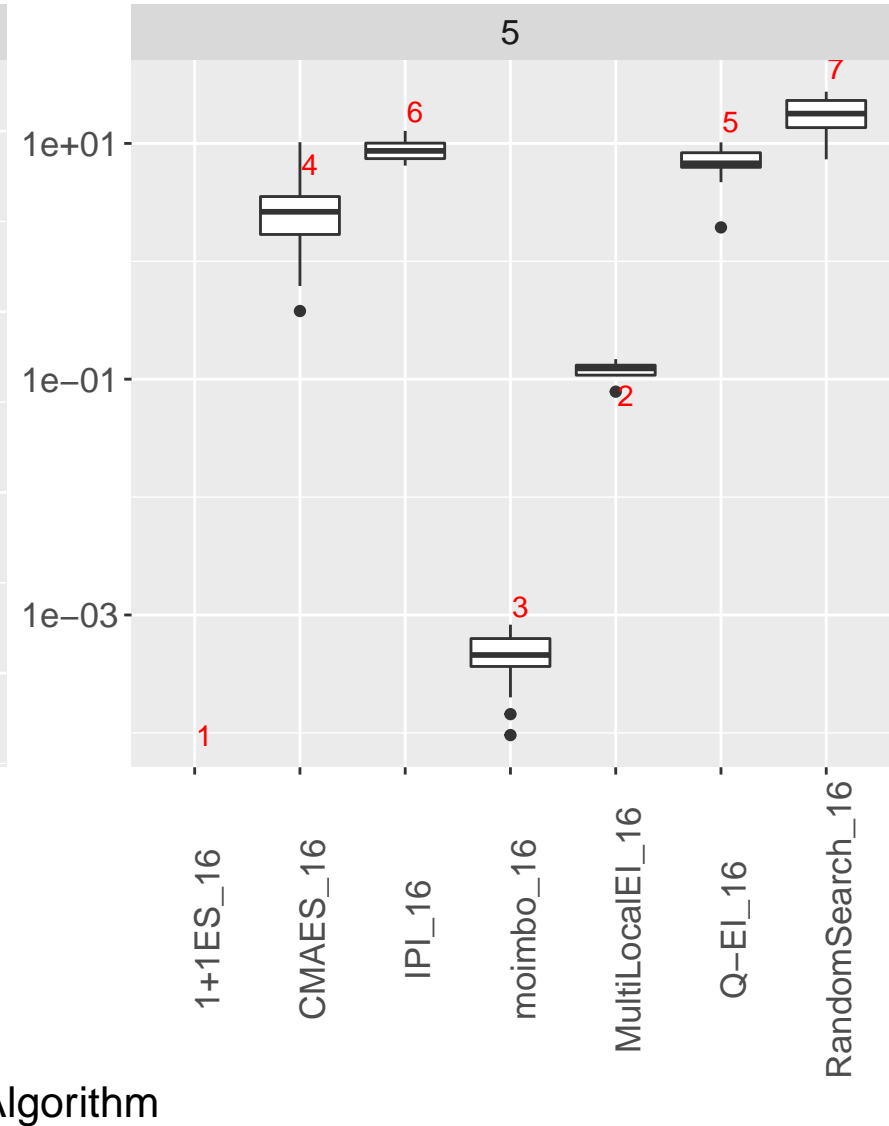
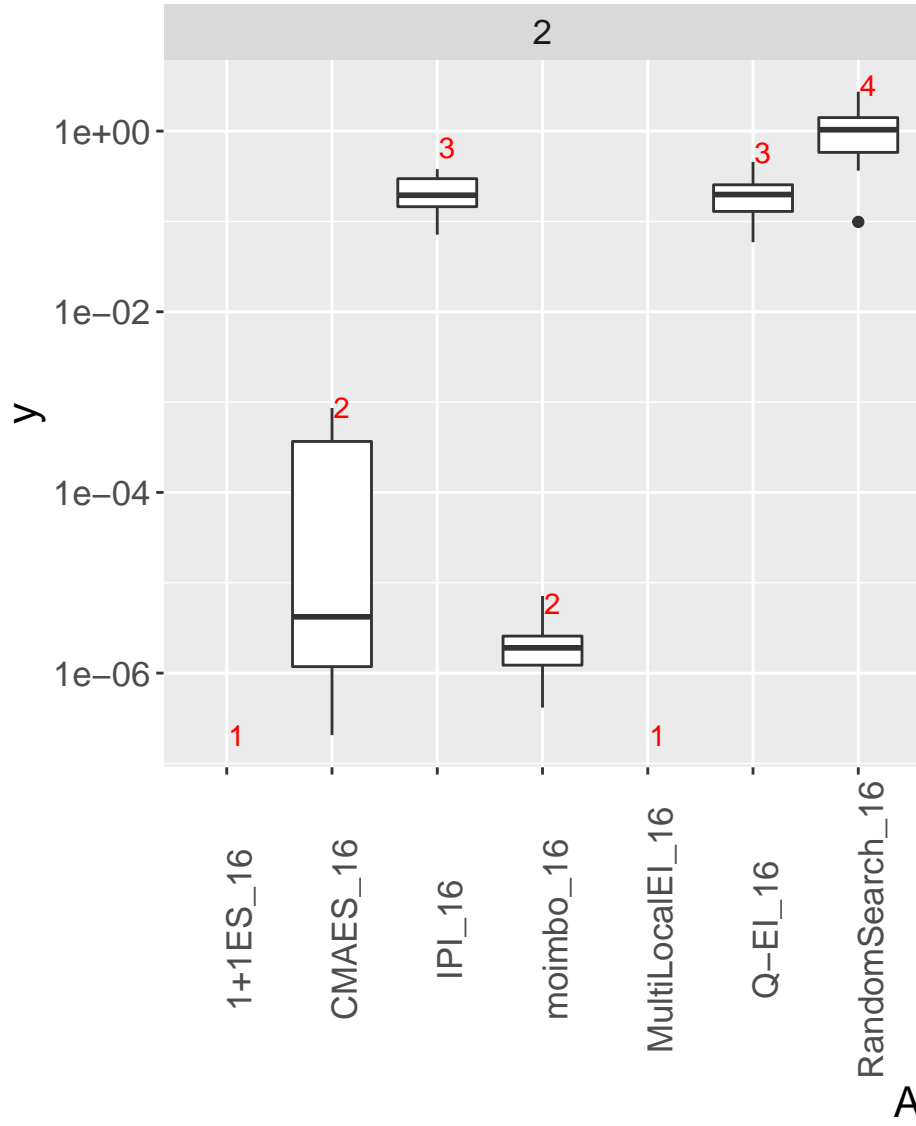
FunID: 4 – BatchSize: 4
Evaluation:

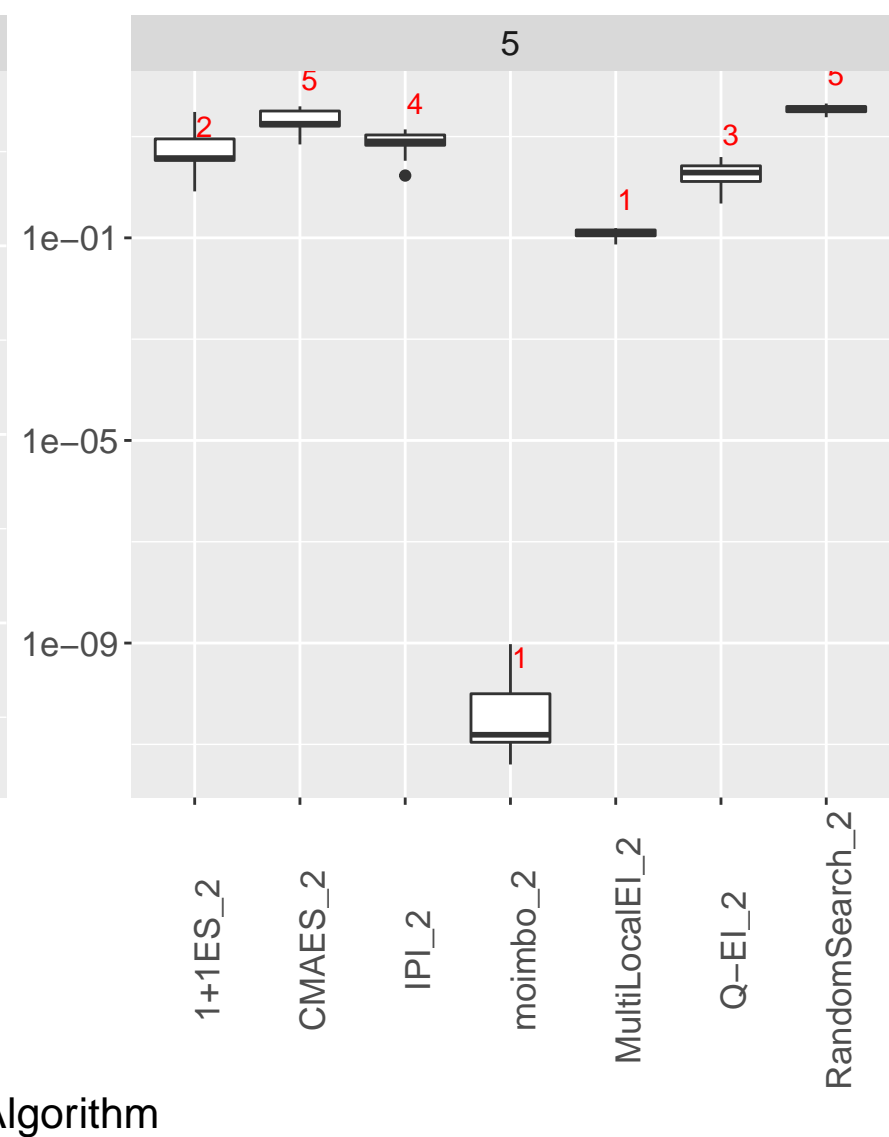
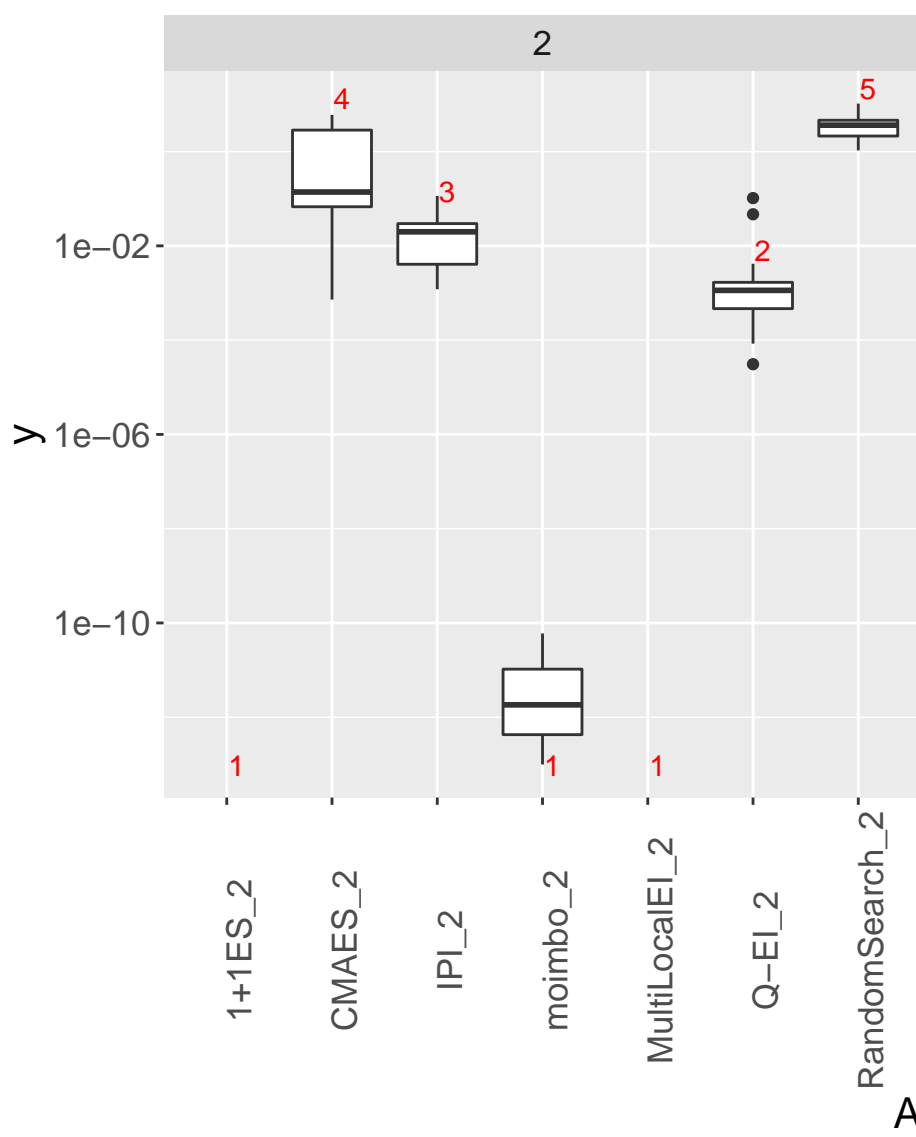


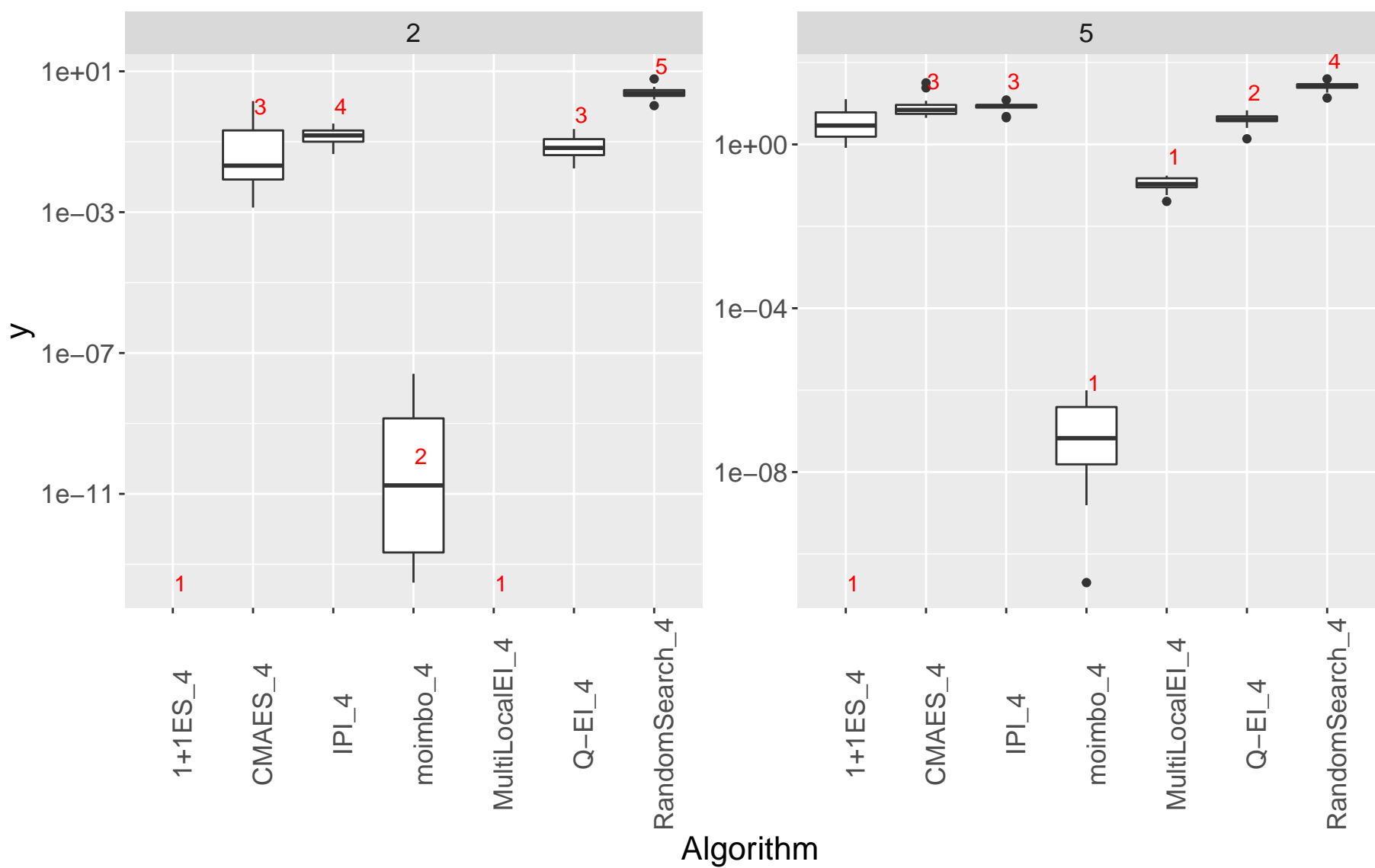
FunID: 4 – BatchSize: 8
Evaluation:

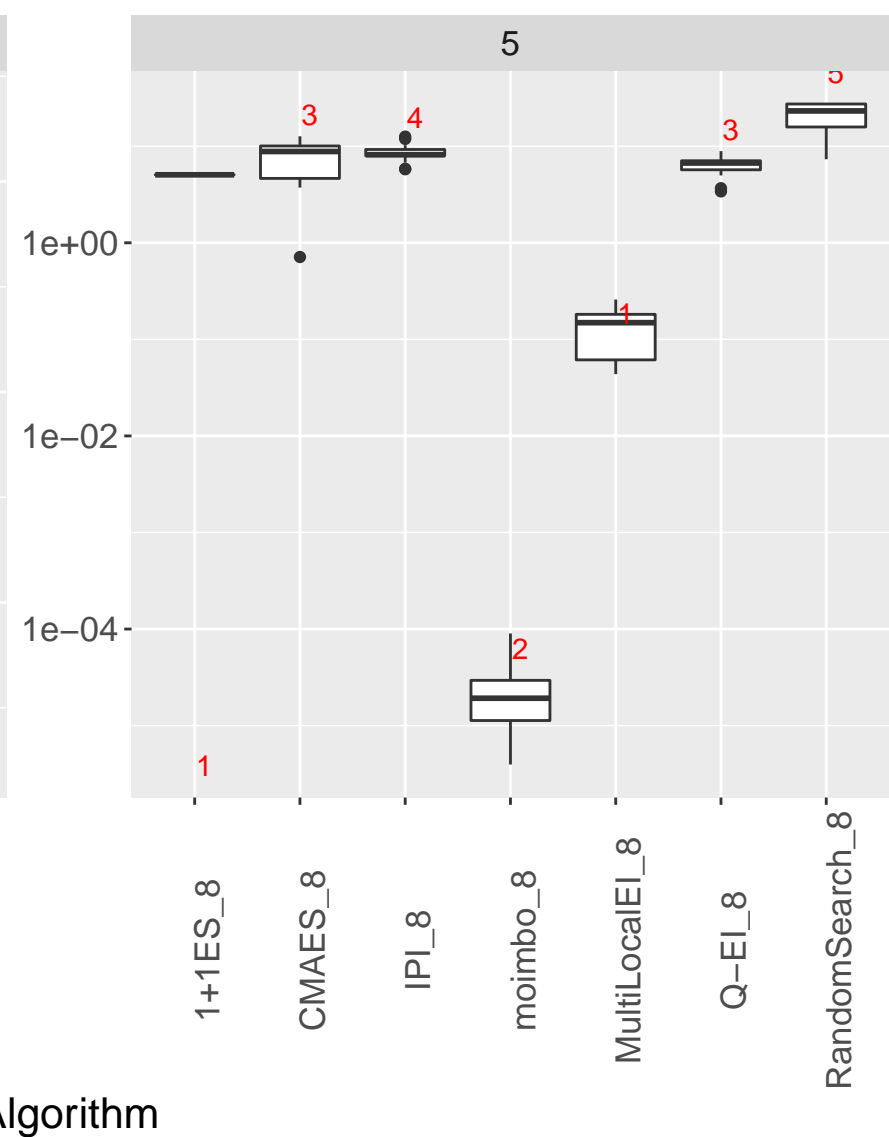
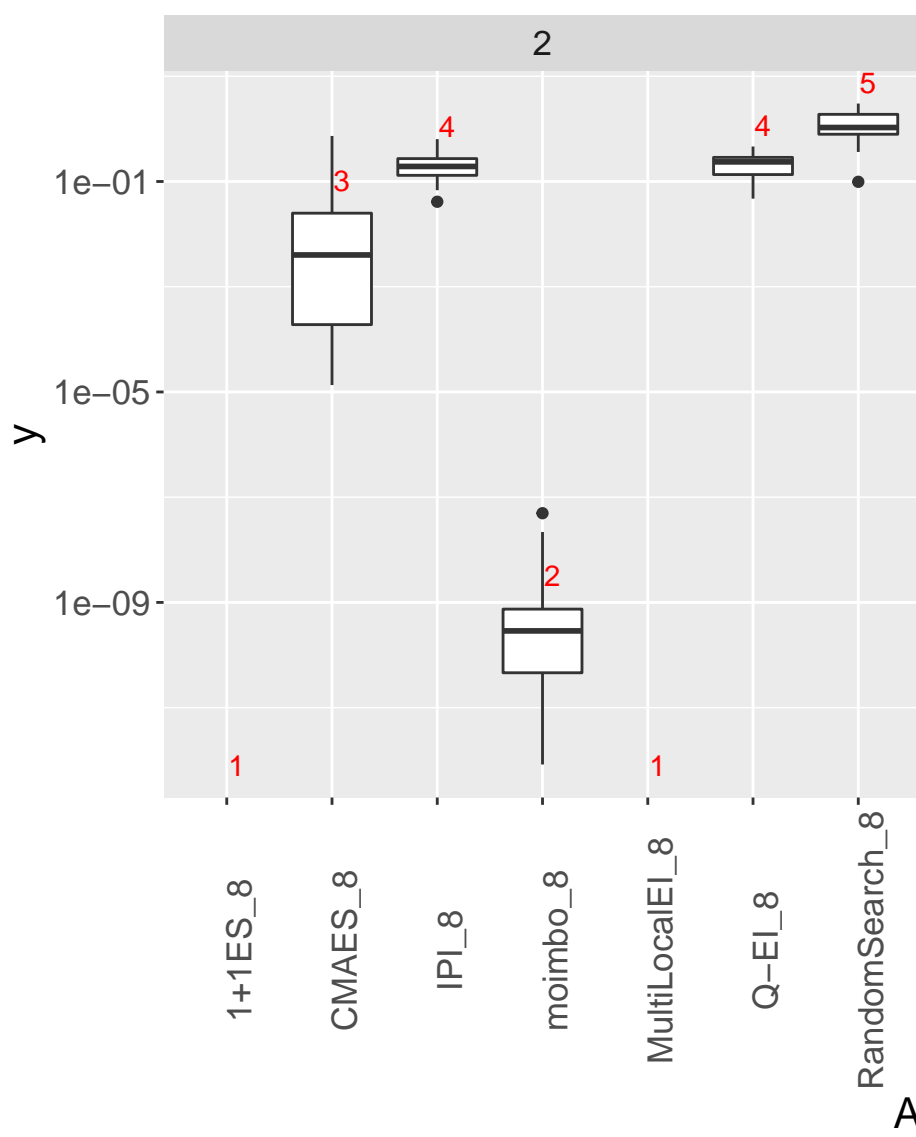


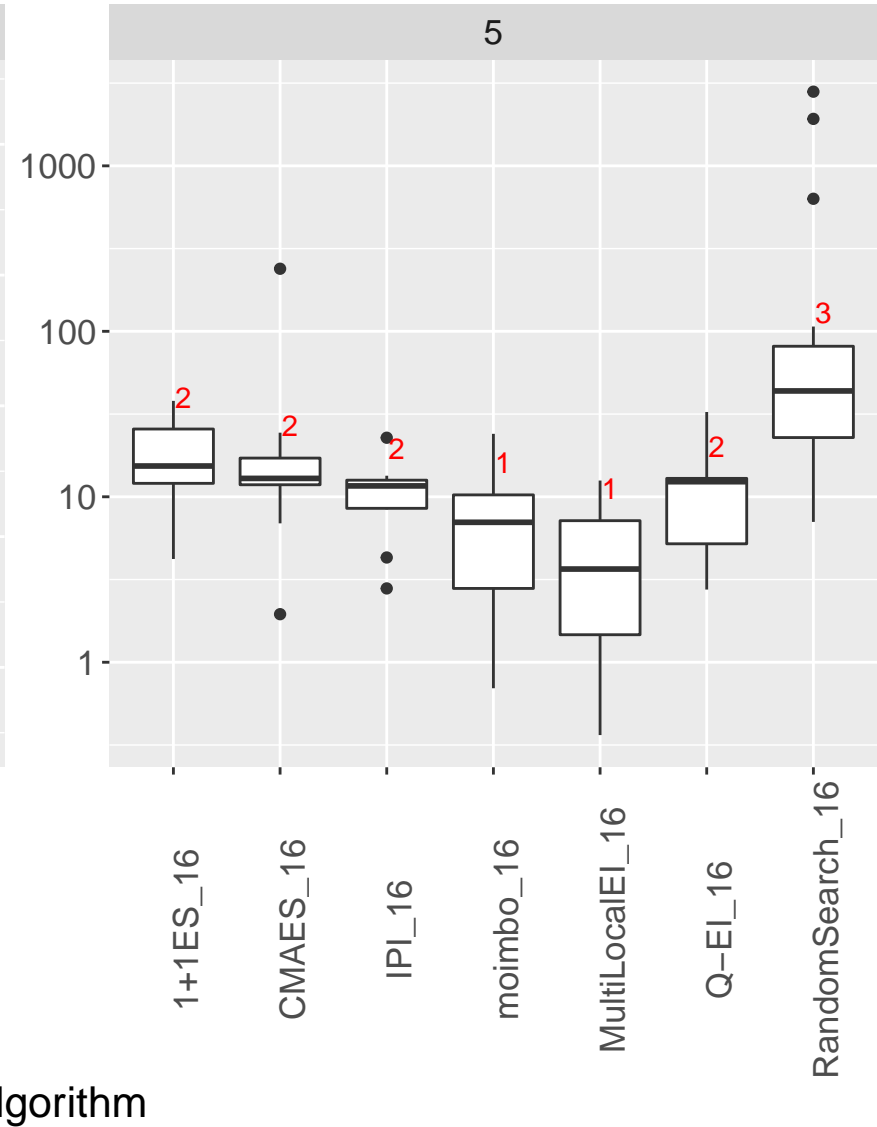
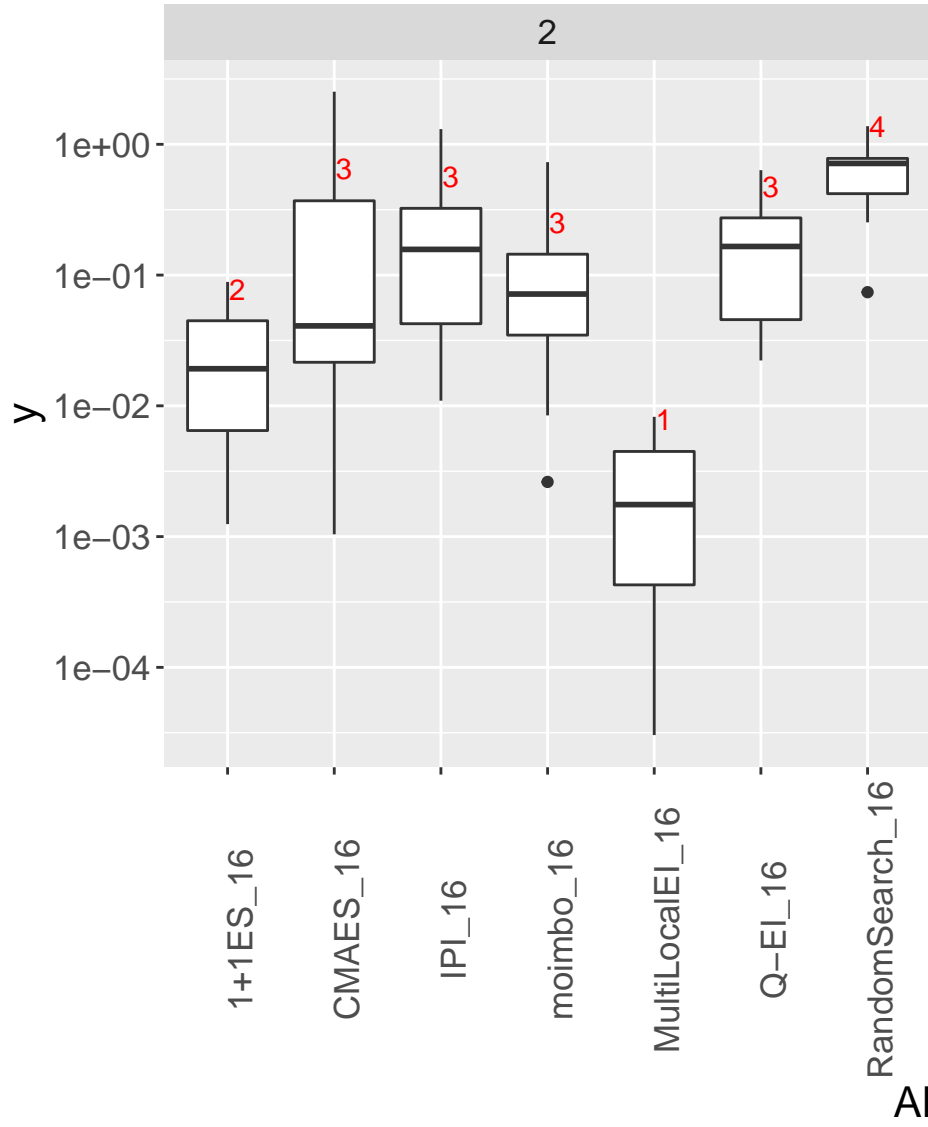
FunID: 5 – BatchSize: 16
Evaluation:



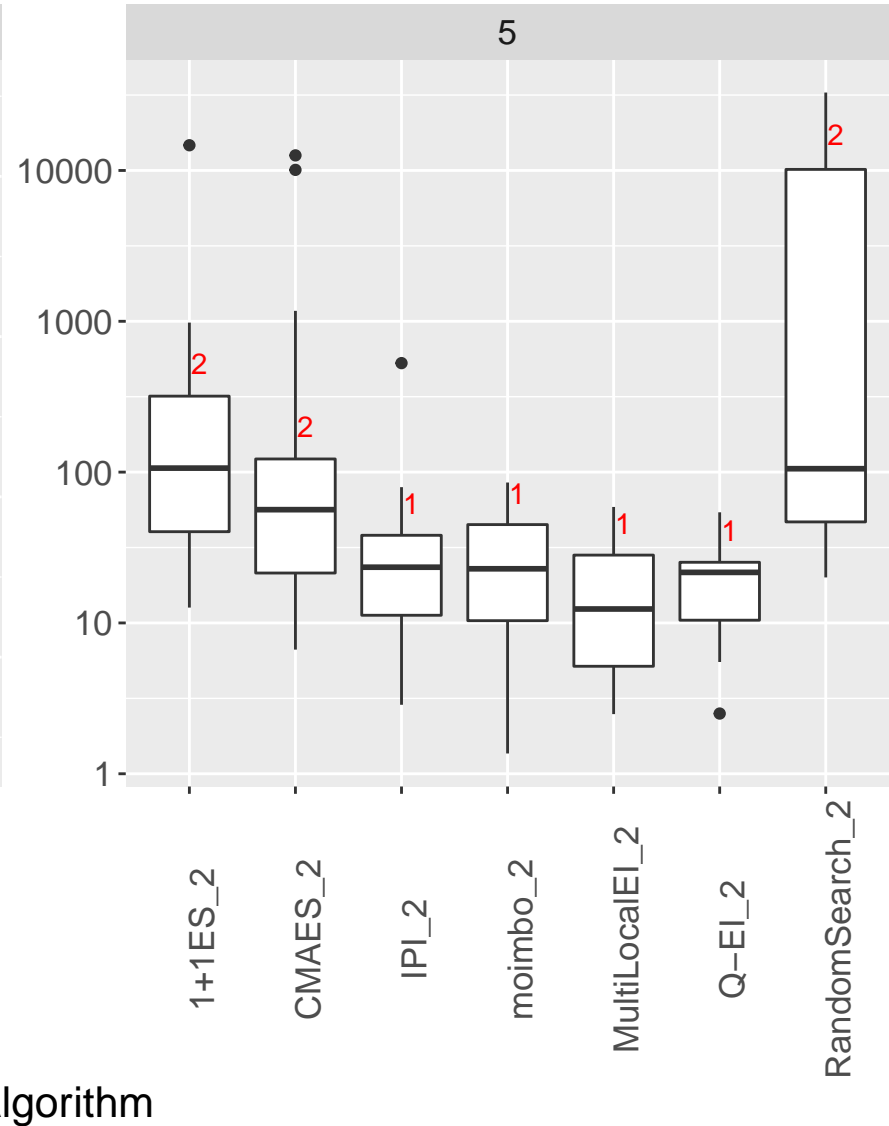
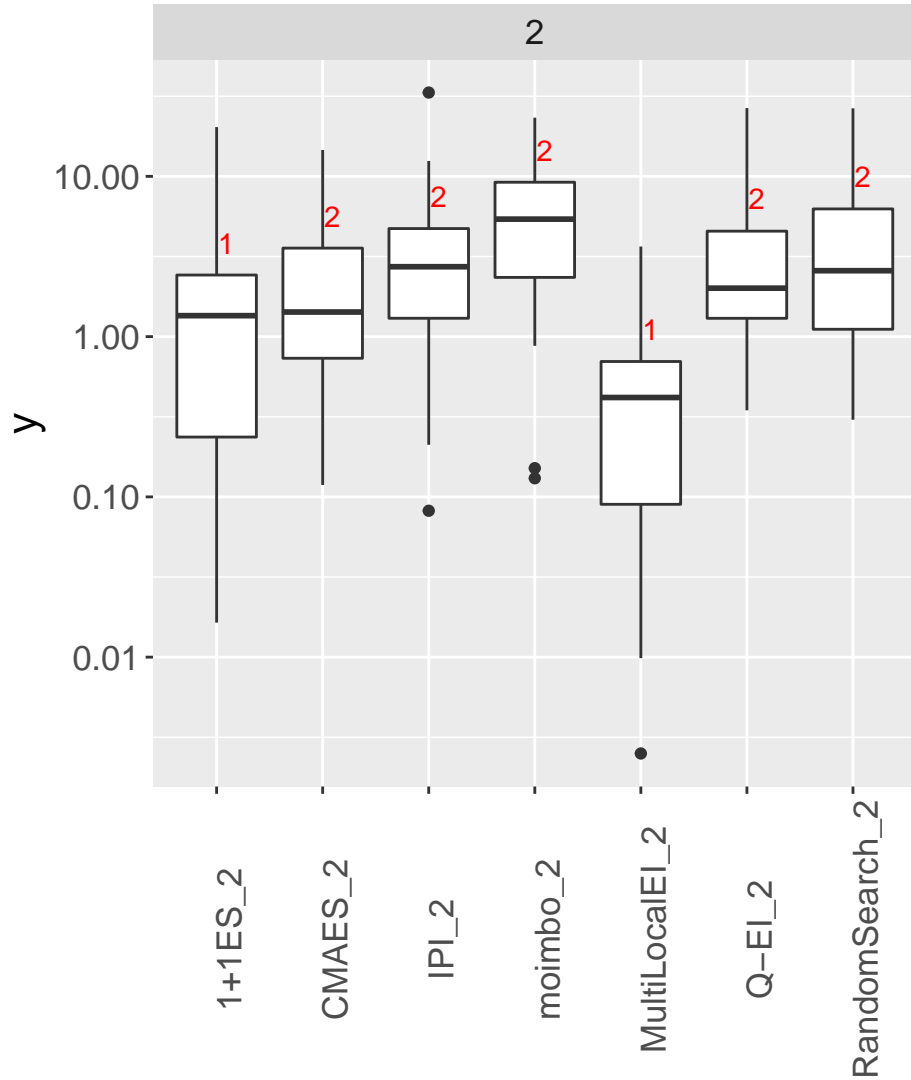




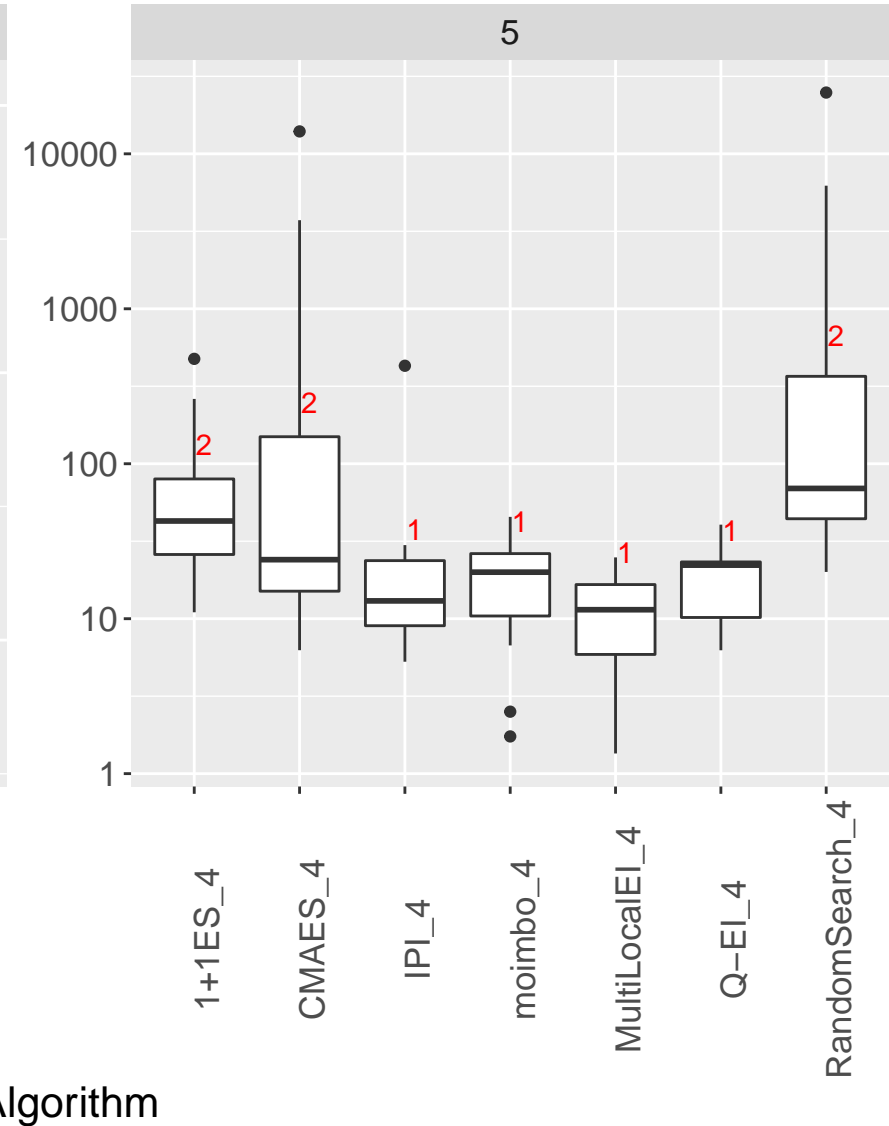
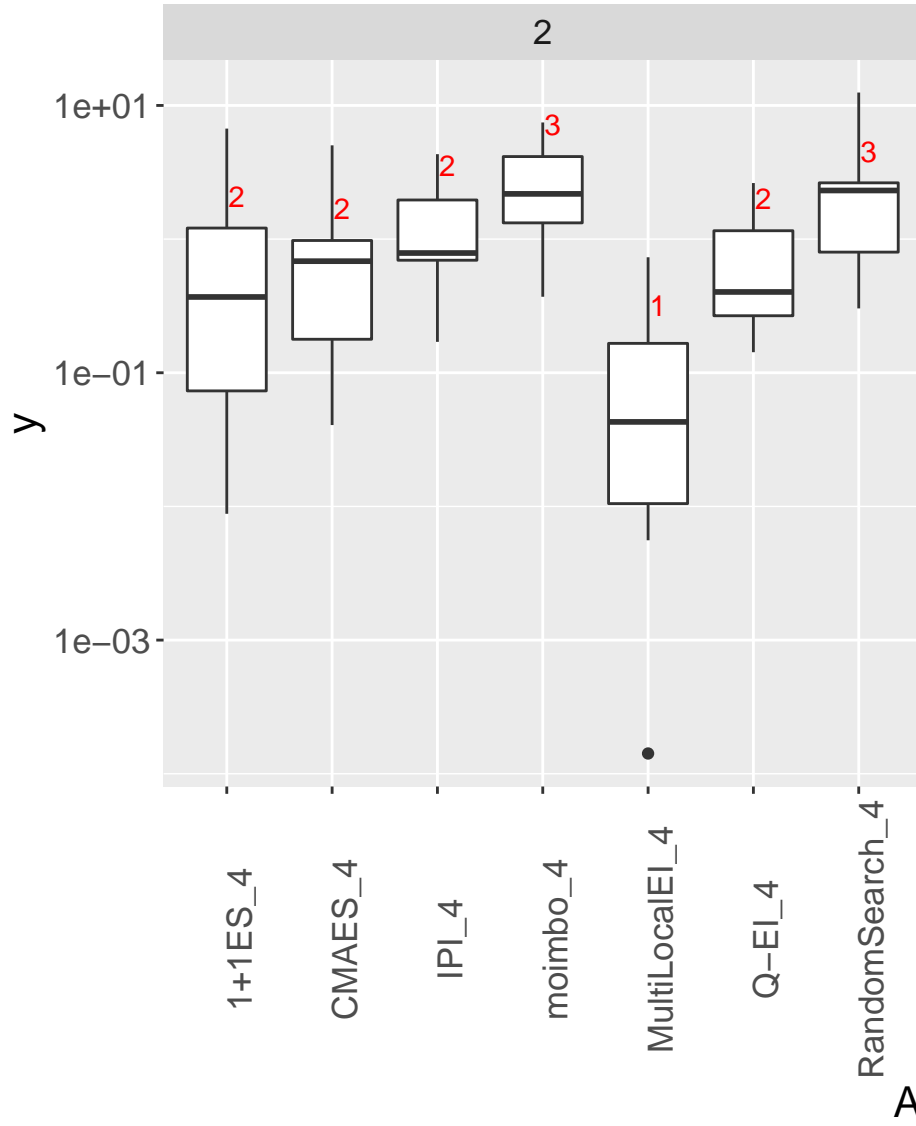




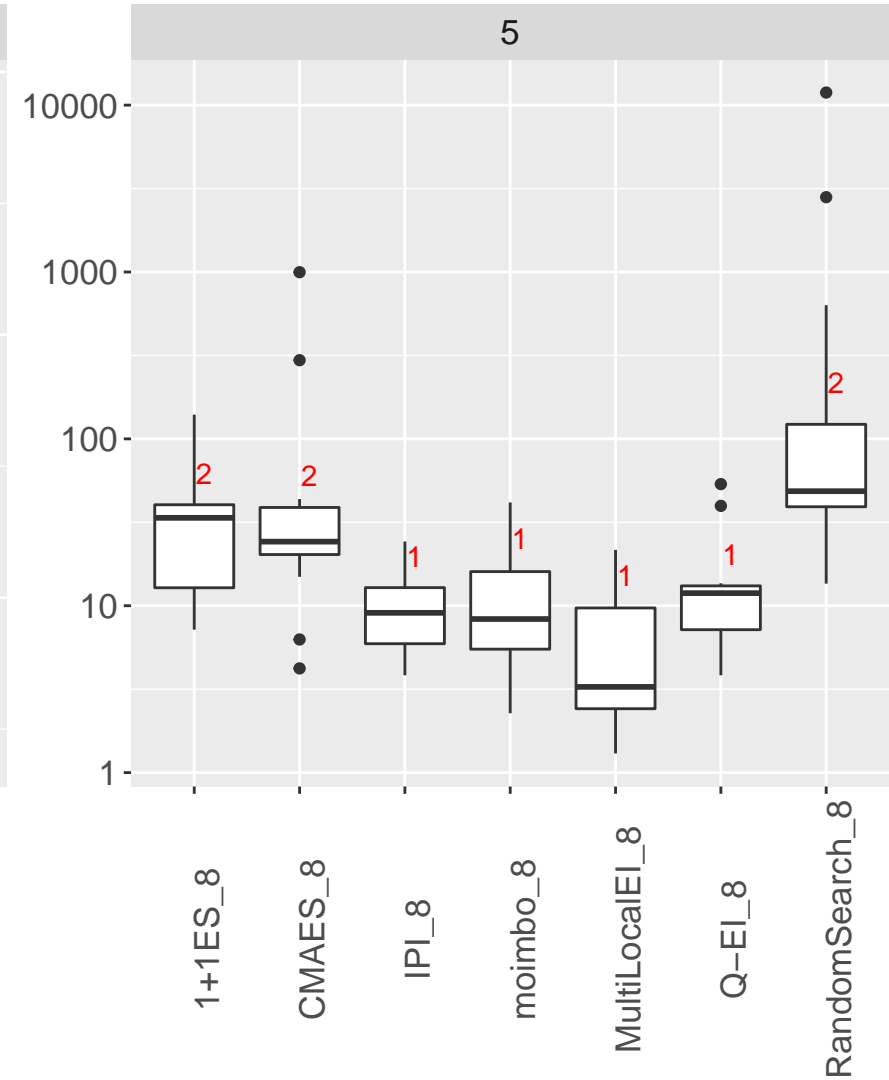
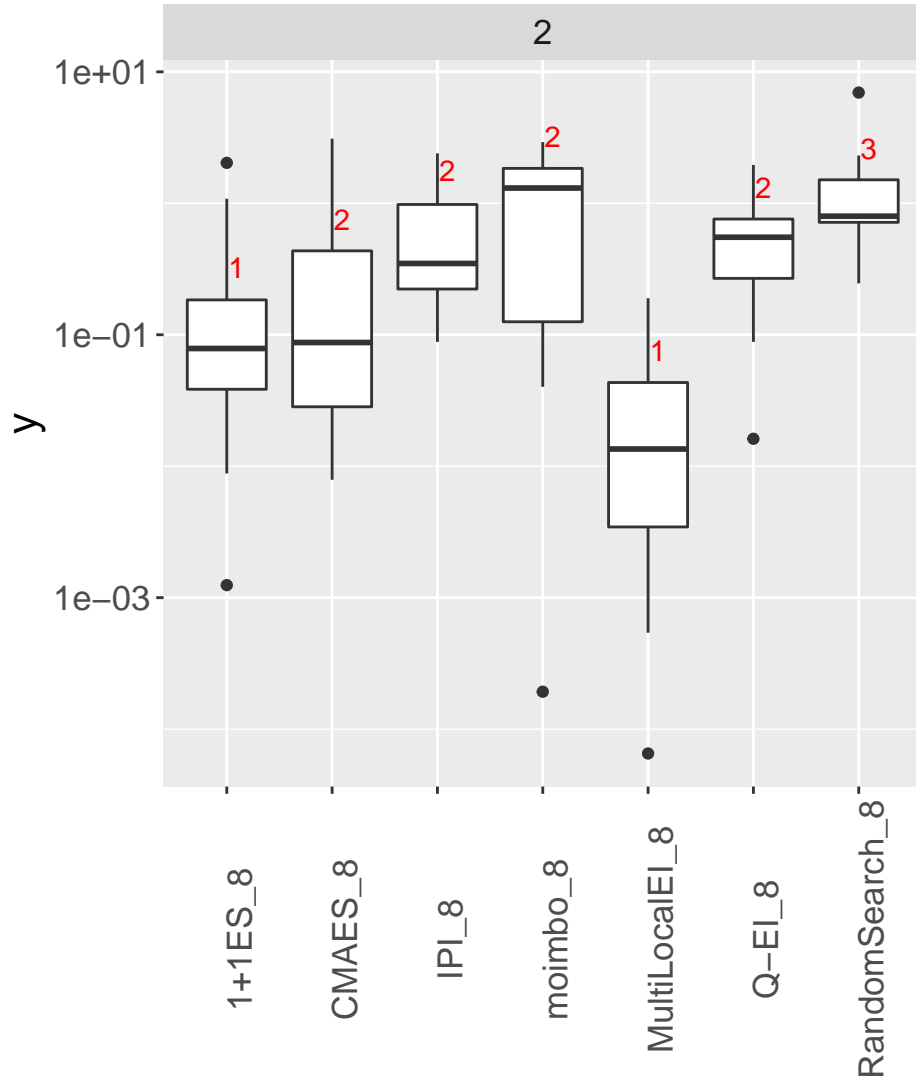
FunID: 6 – BatchSize: 2
Evaluation:

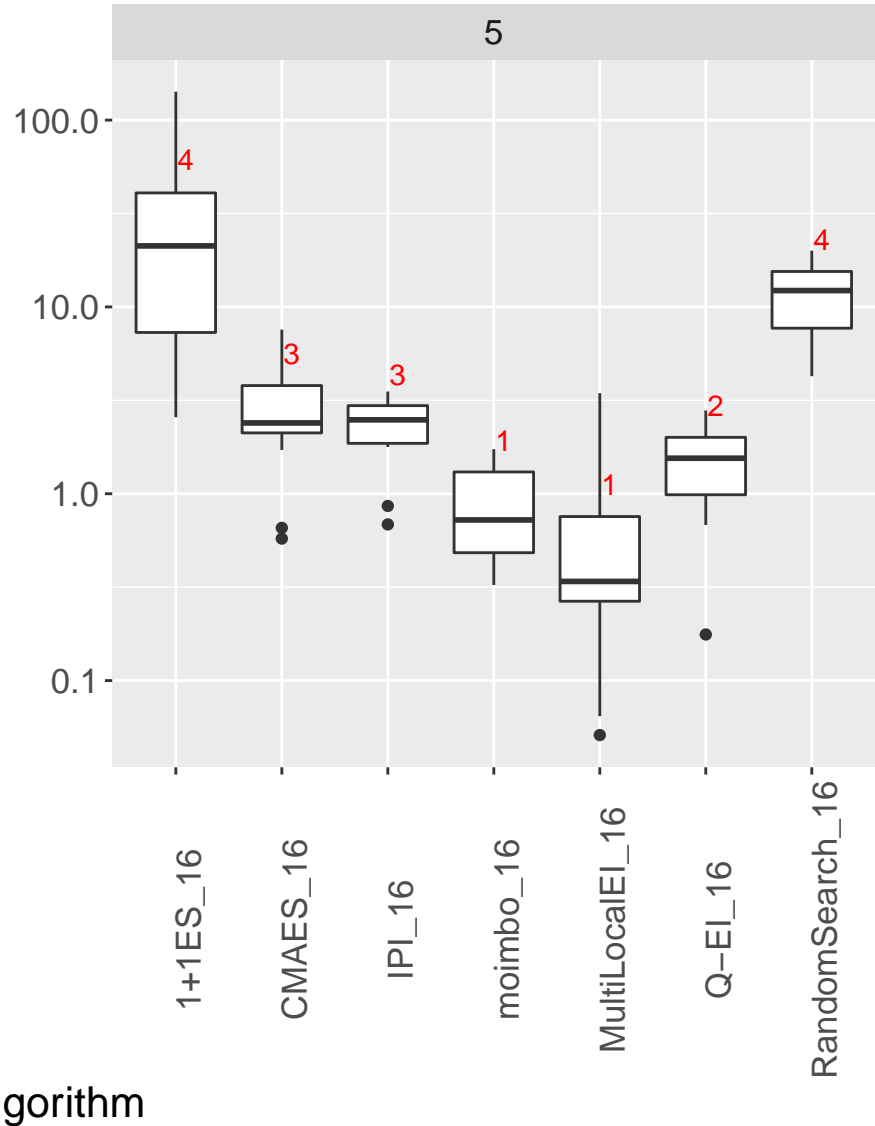
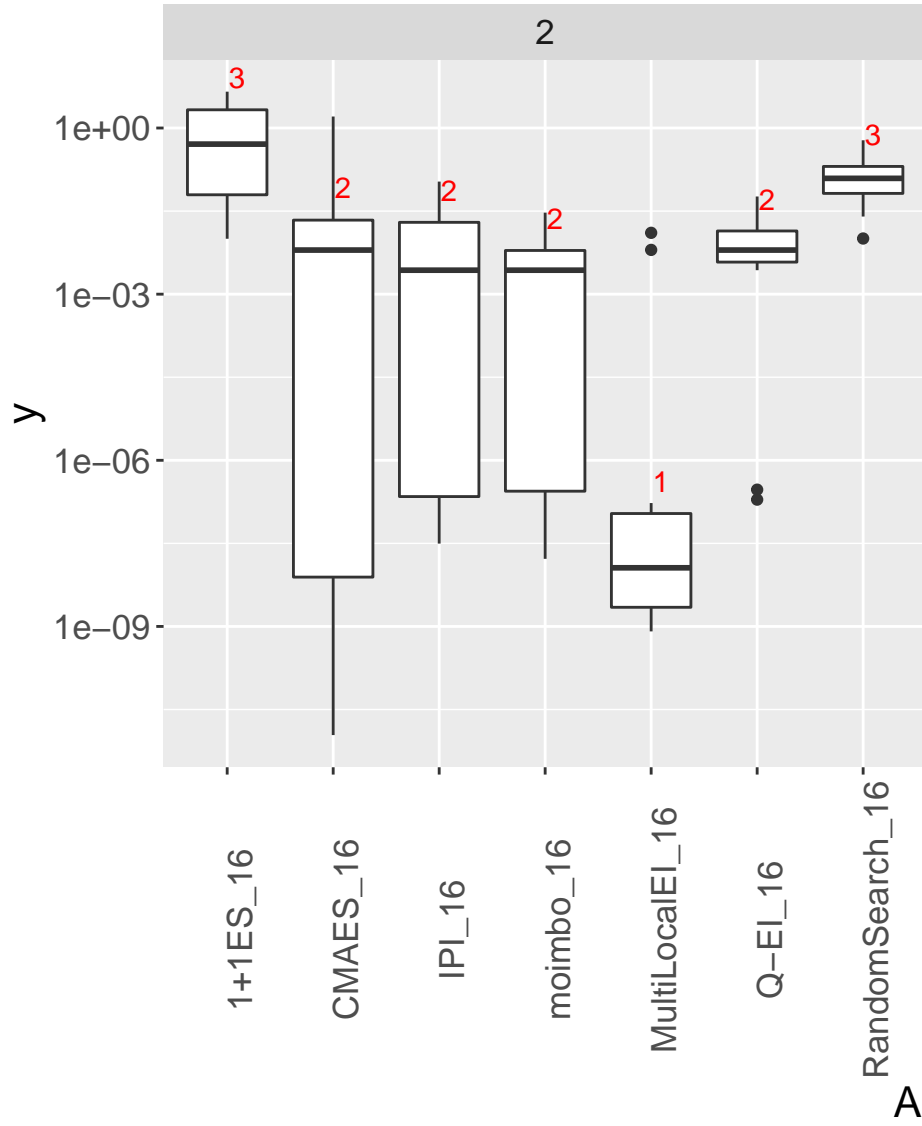


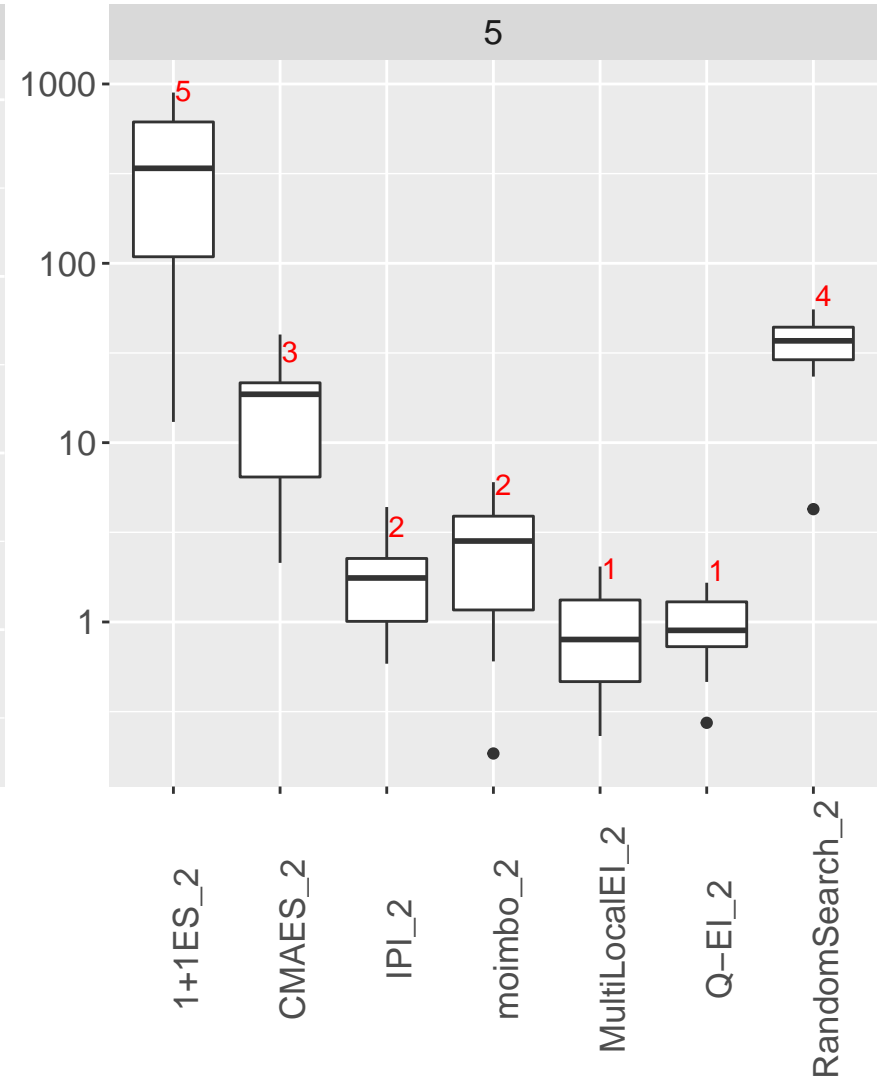
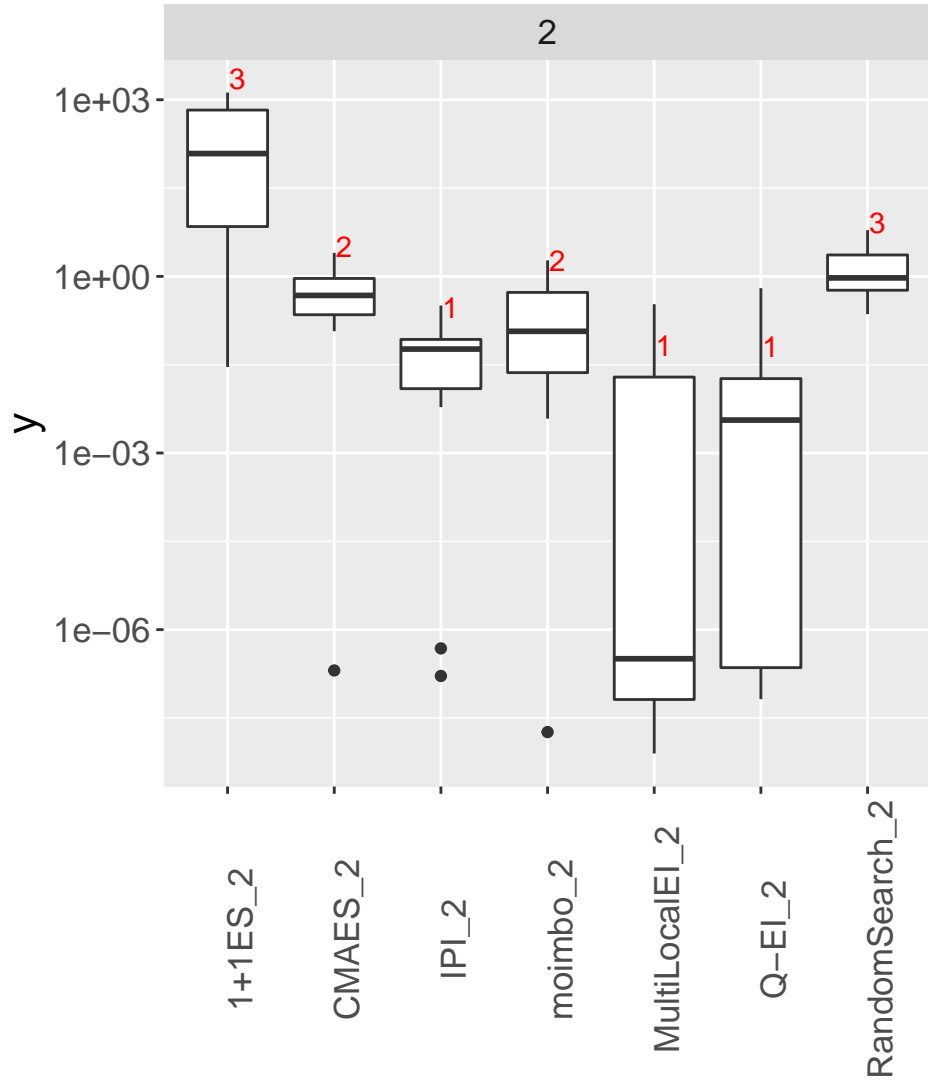
FunID: 6 – BatchSize: 4
Evaluation:

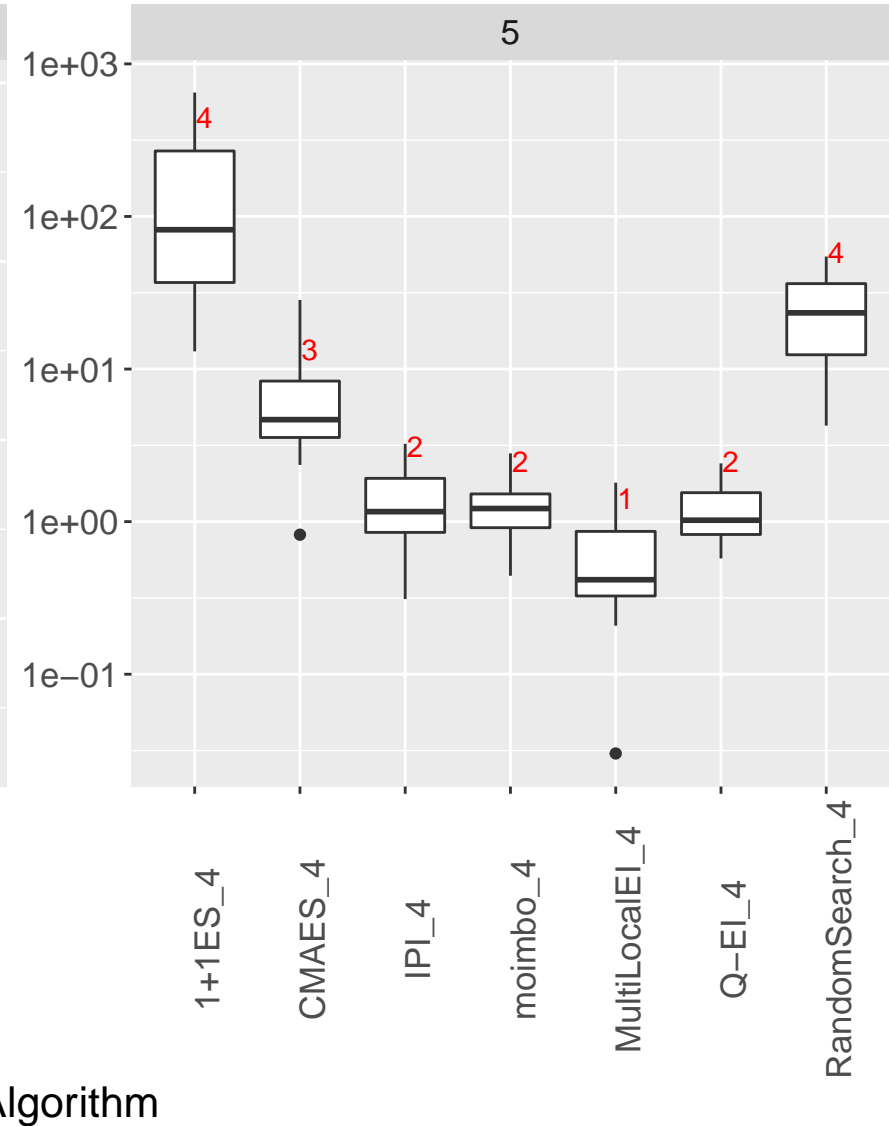
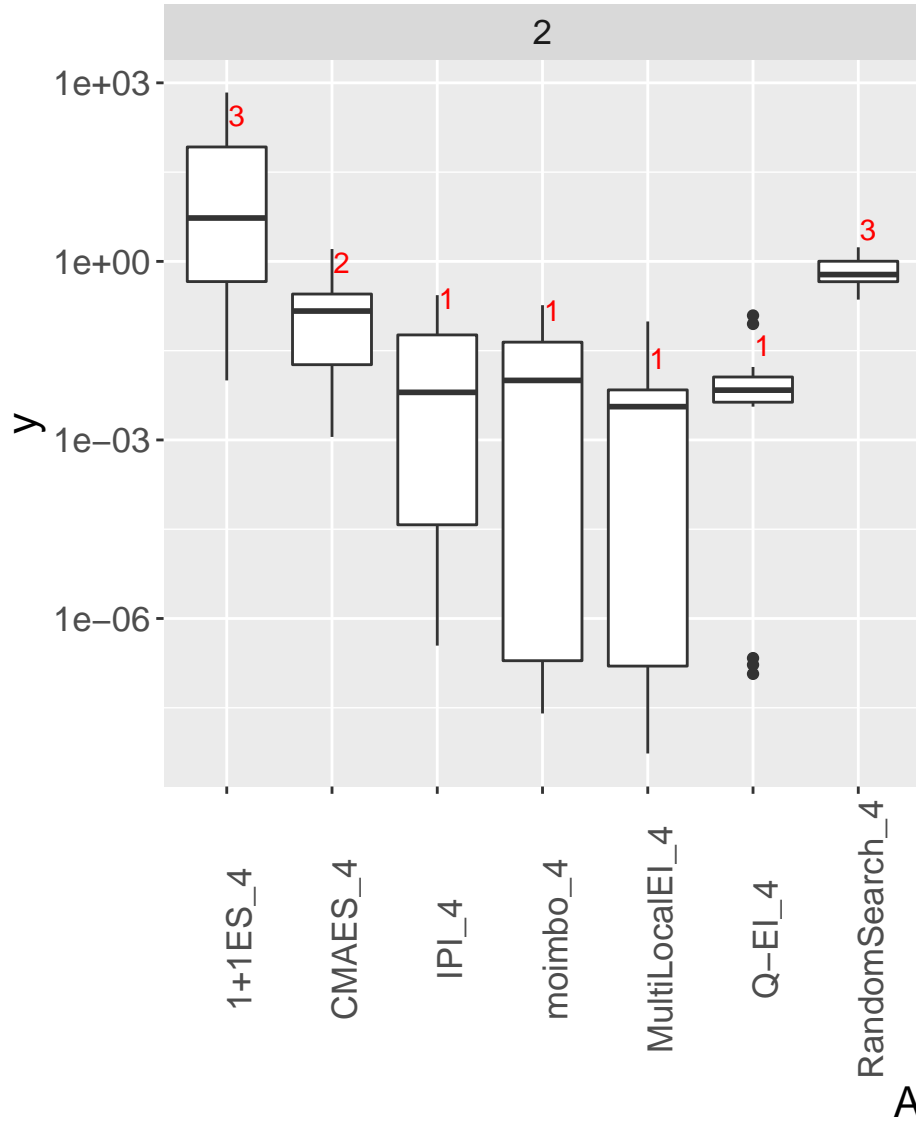


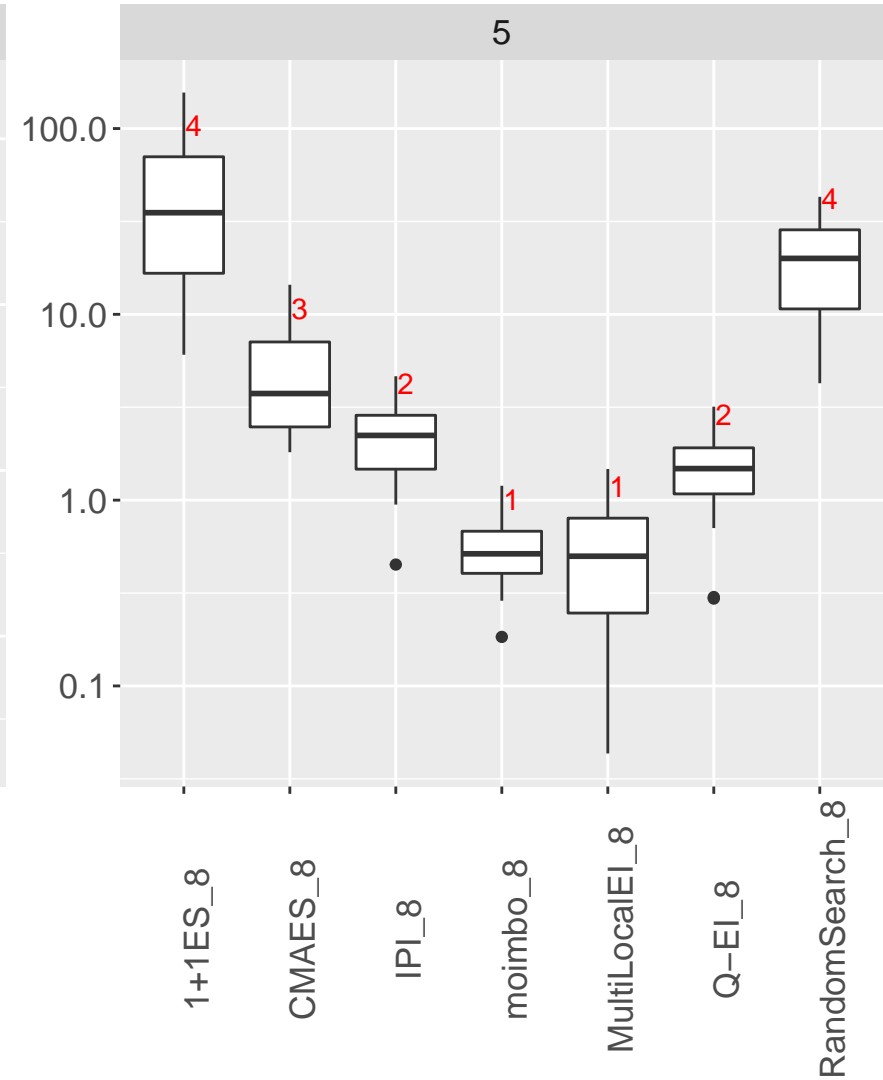
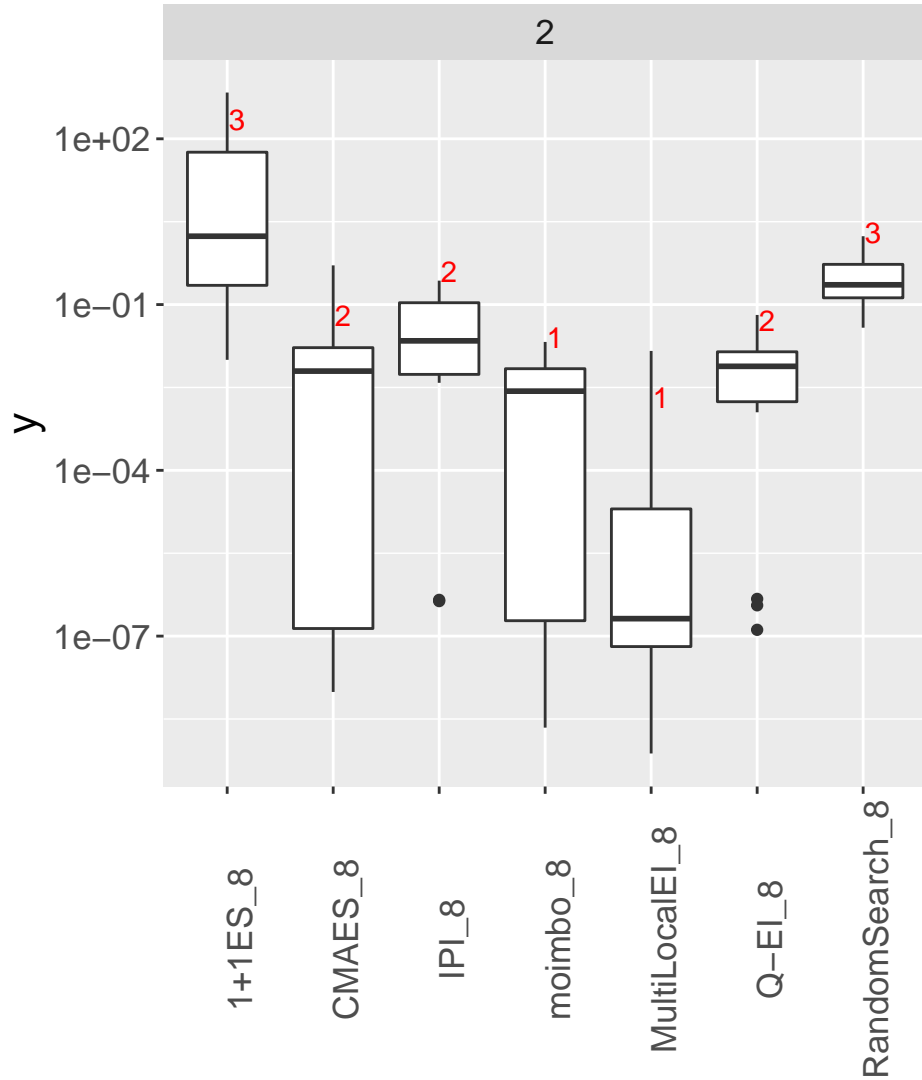
FunID: 6 – BatchSize: 8
Evaluation:

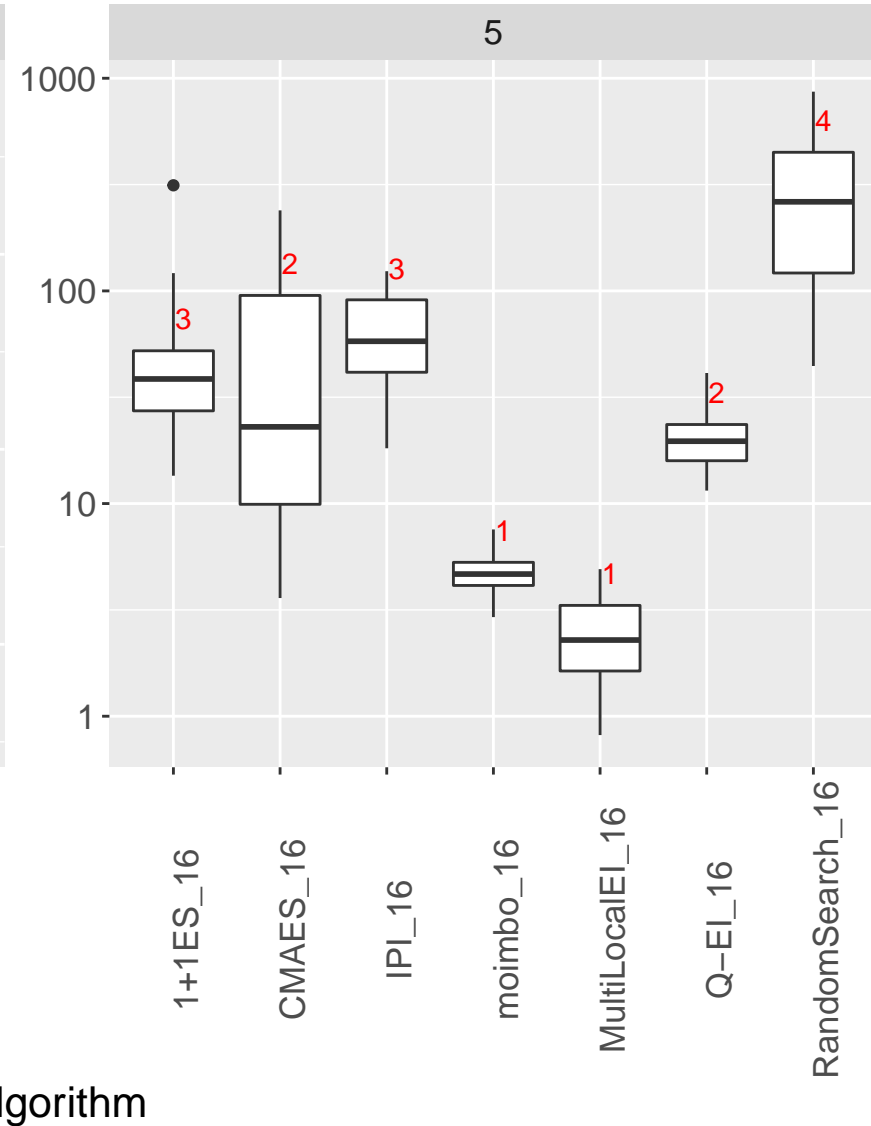
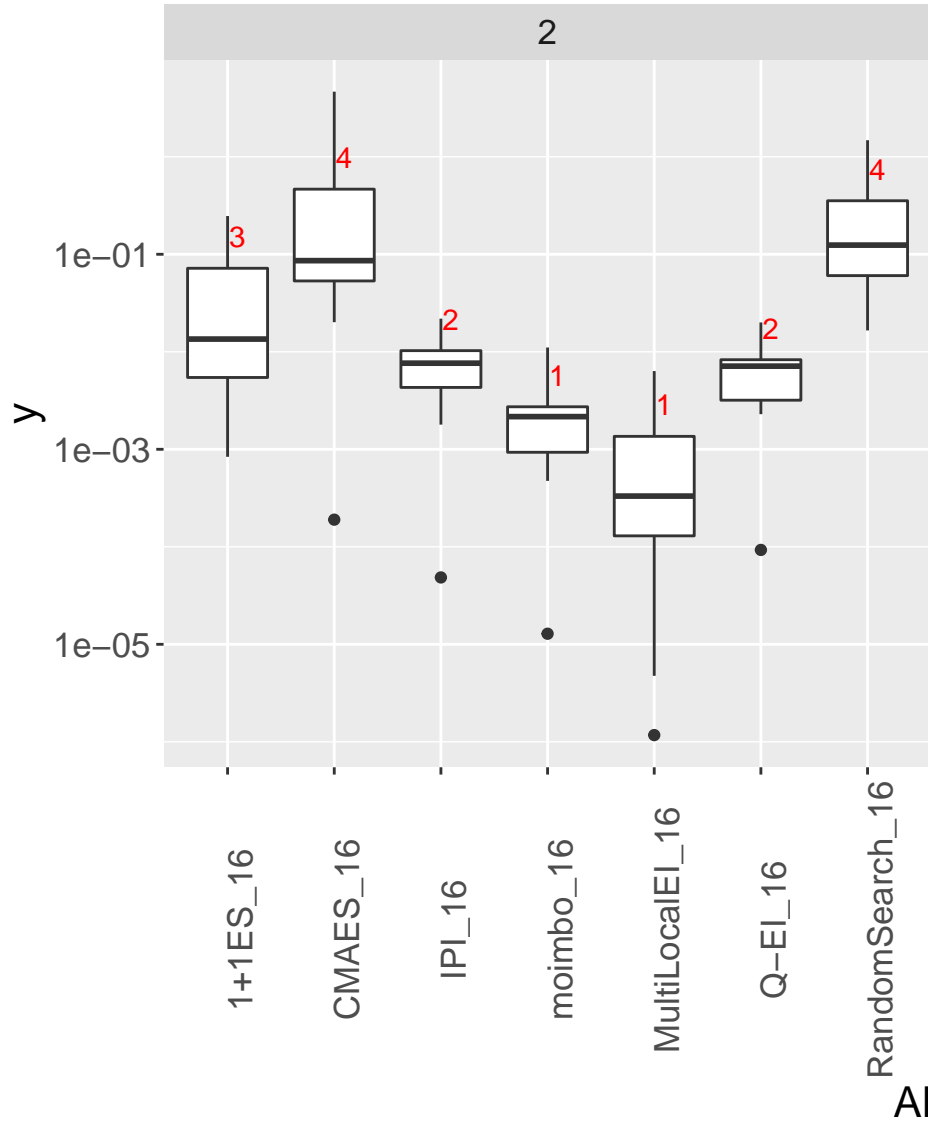


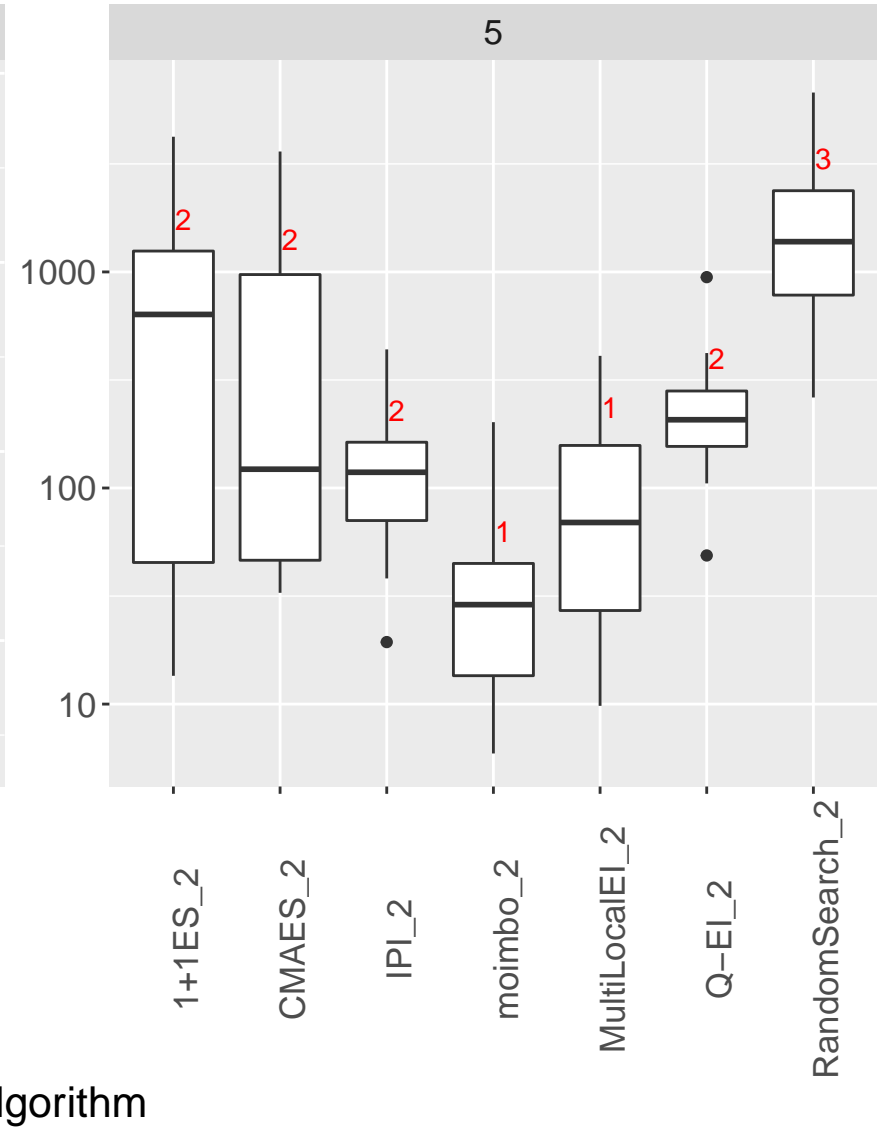
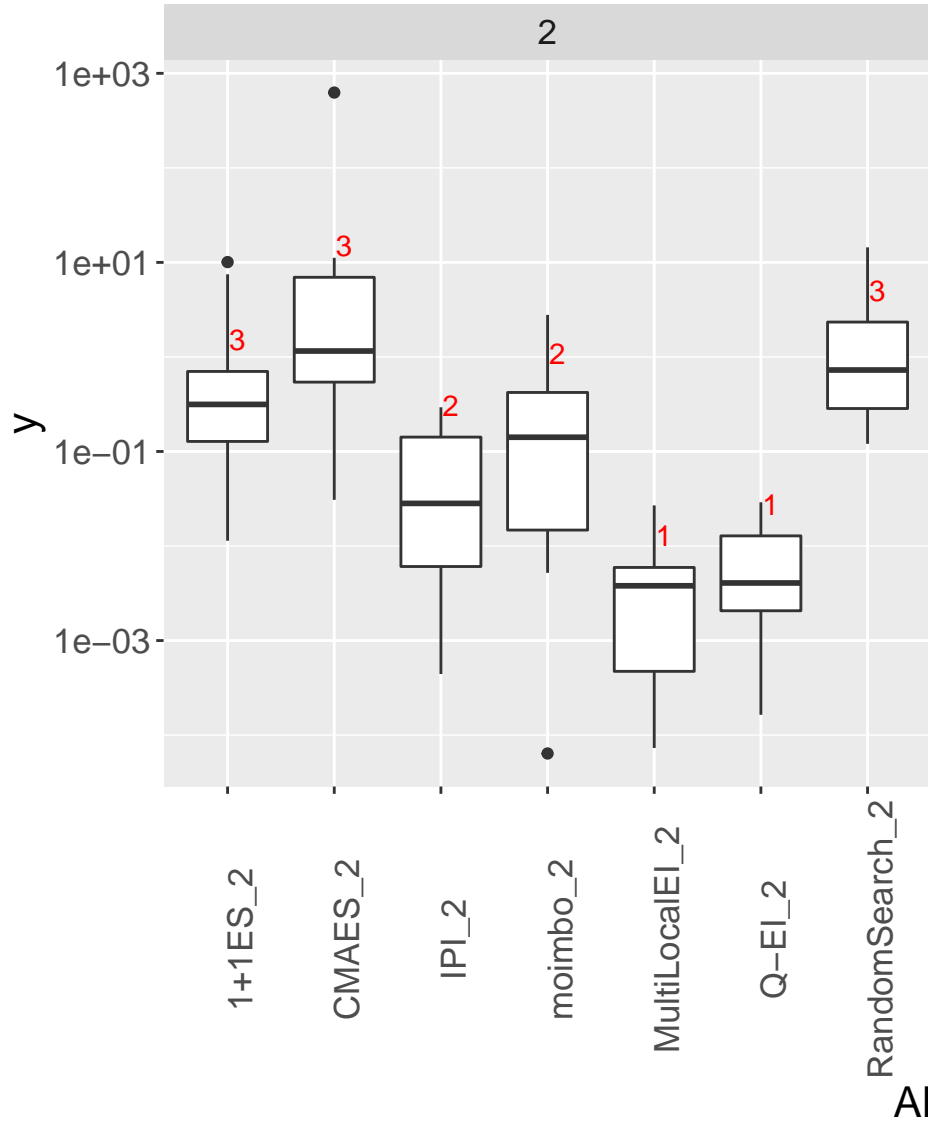




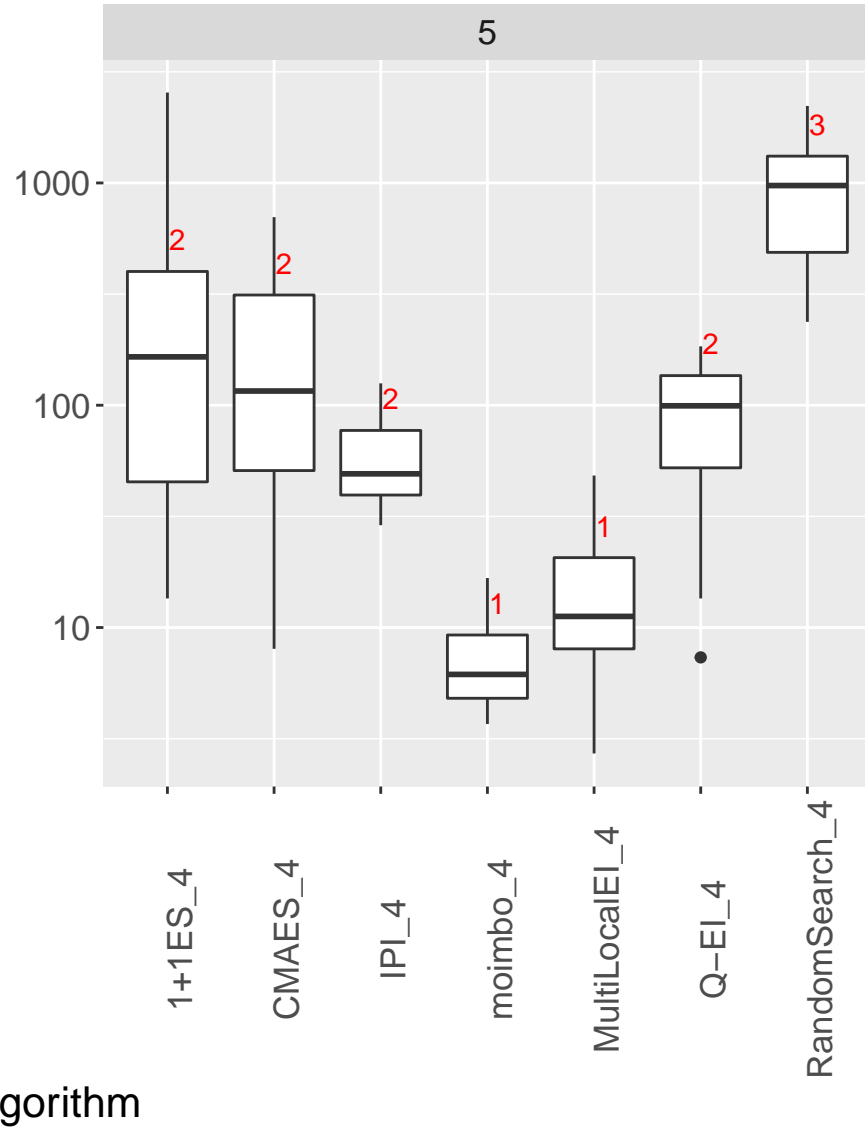
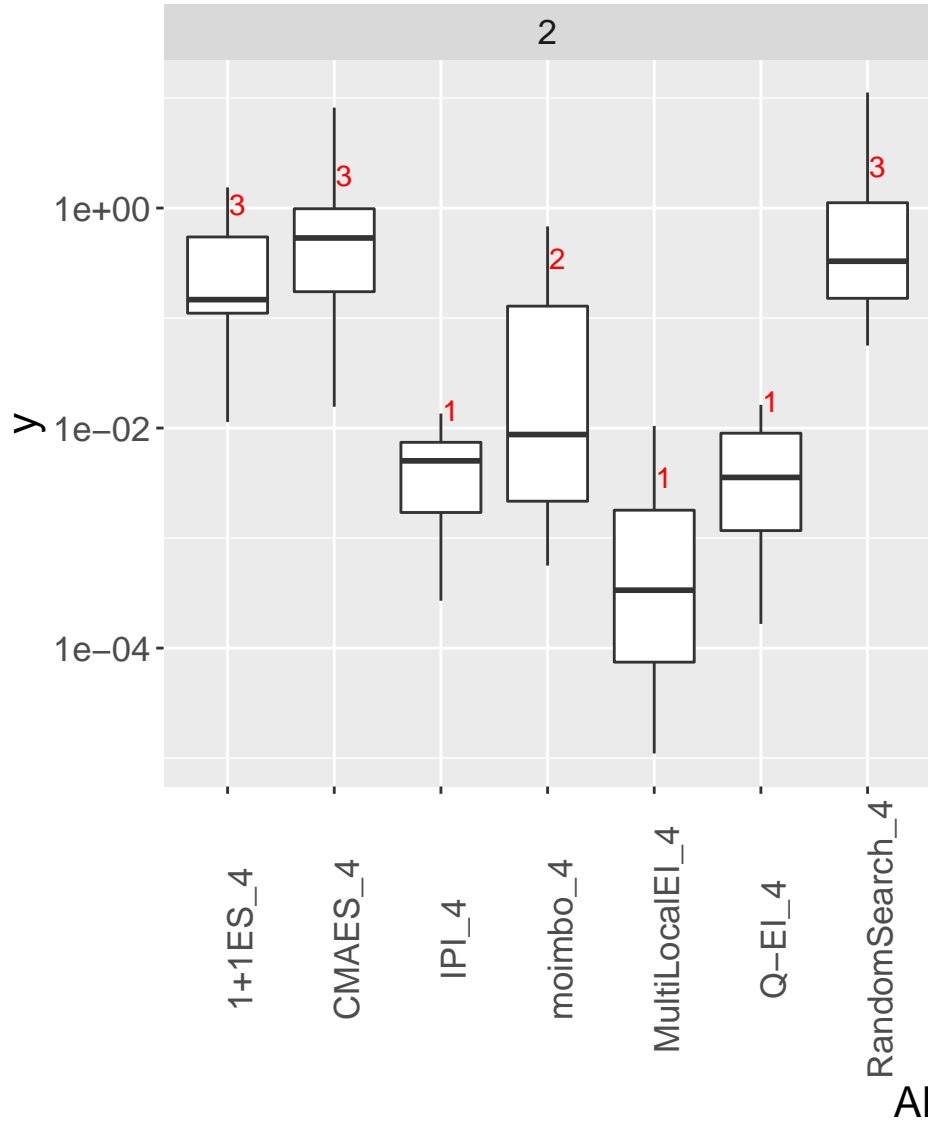




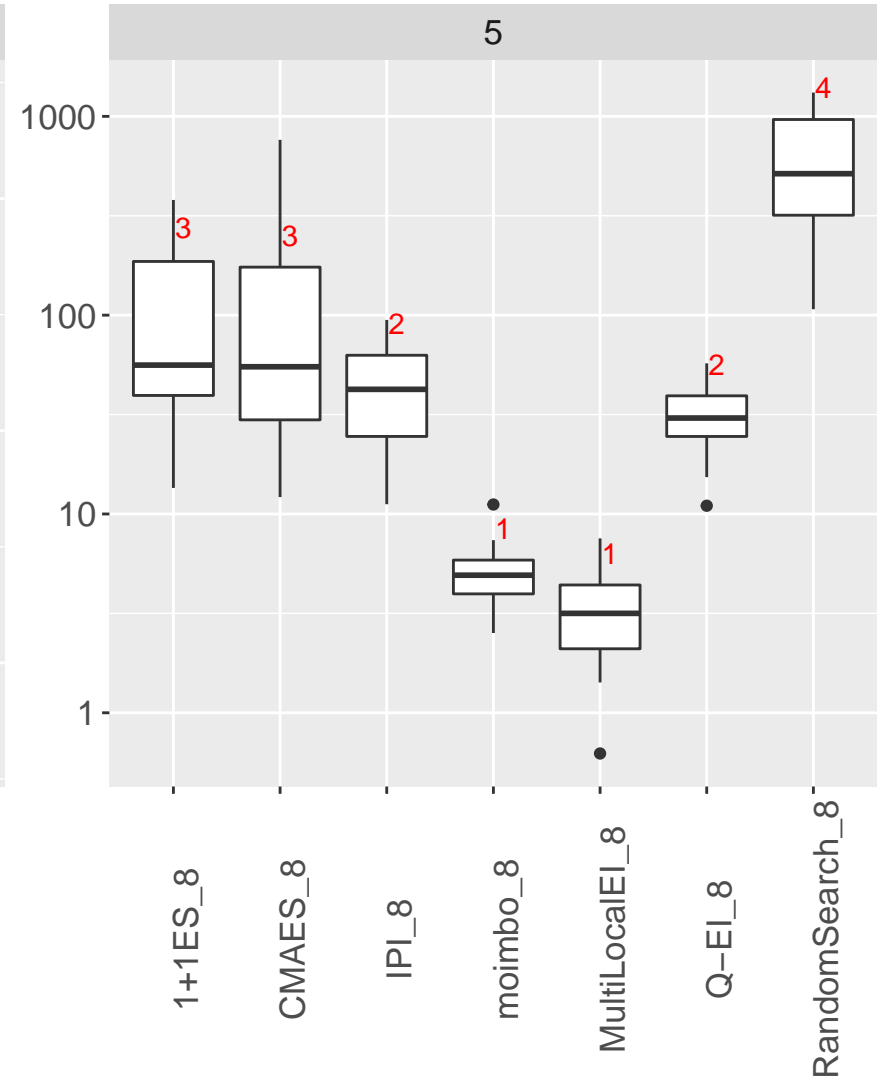
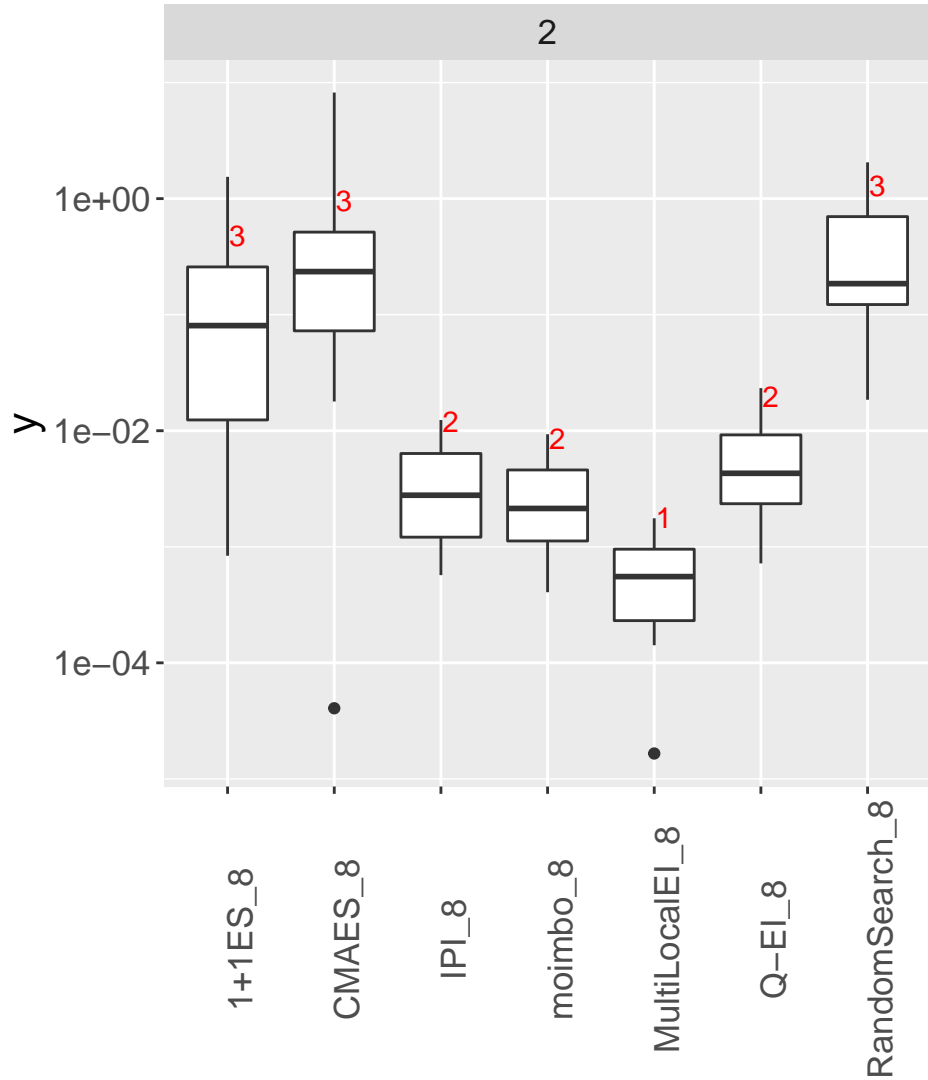


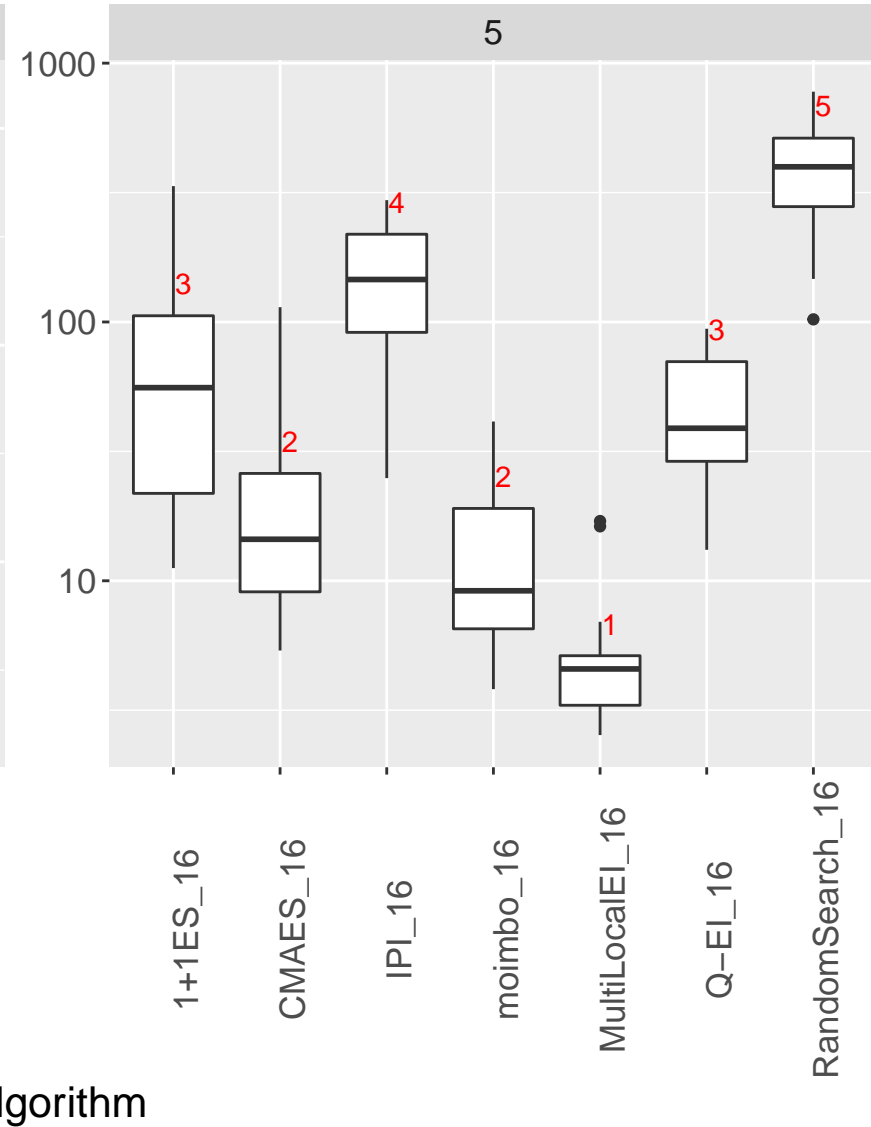
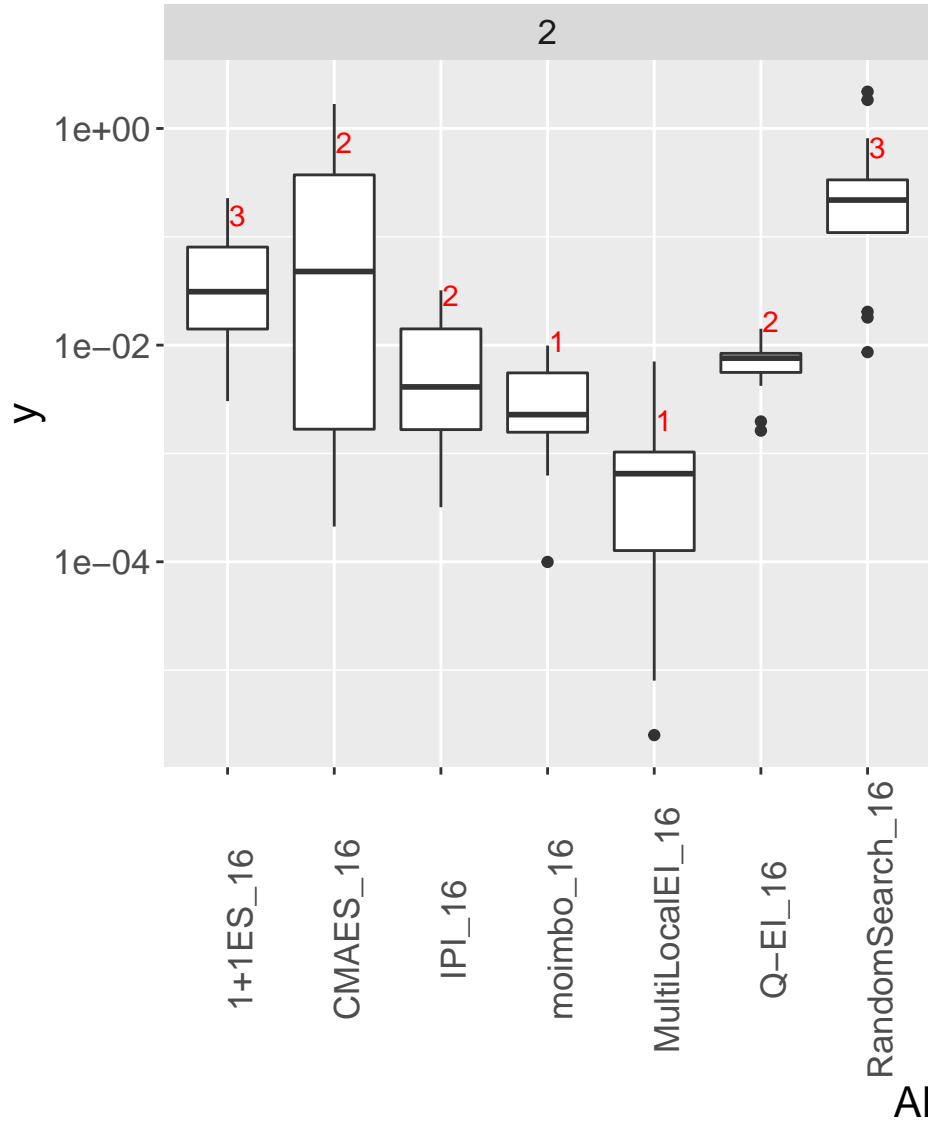


FunID: 8 – BatchSize: 4
Evaluation:

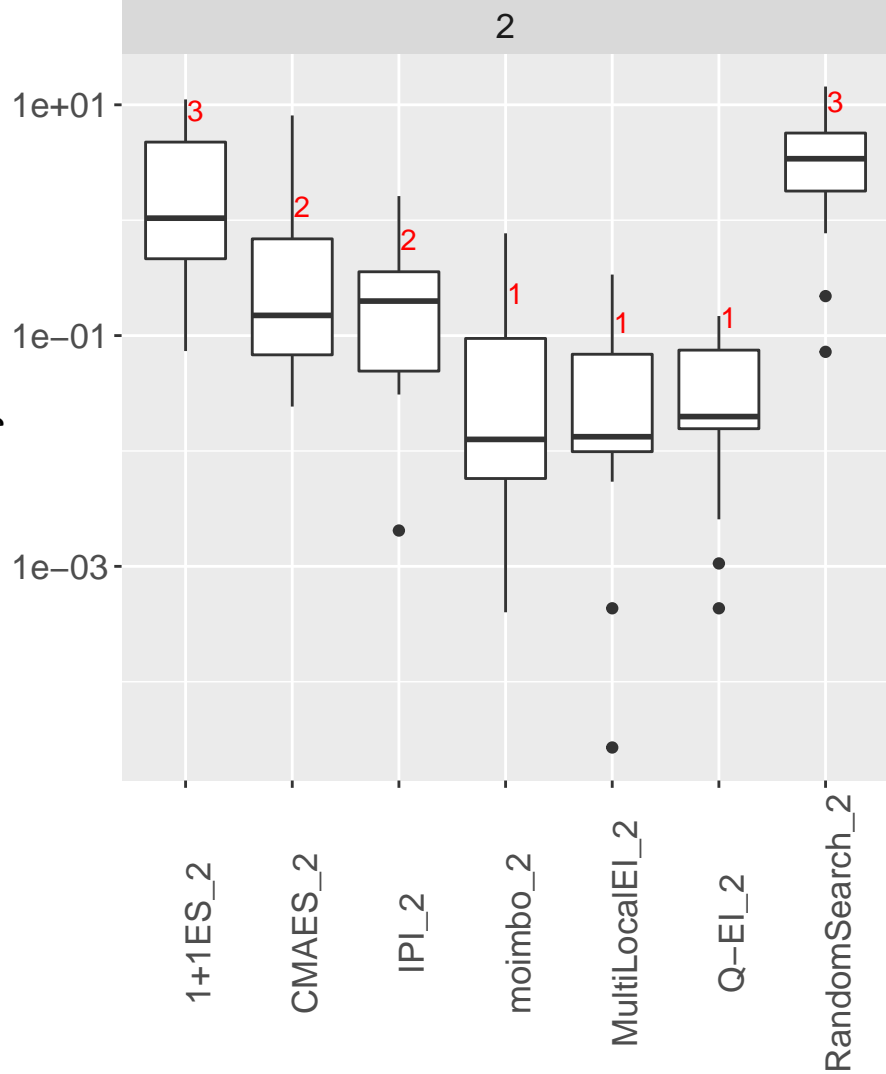


FunID: 8 – BatchSize: 8
Evaluation:

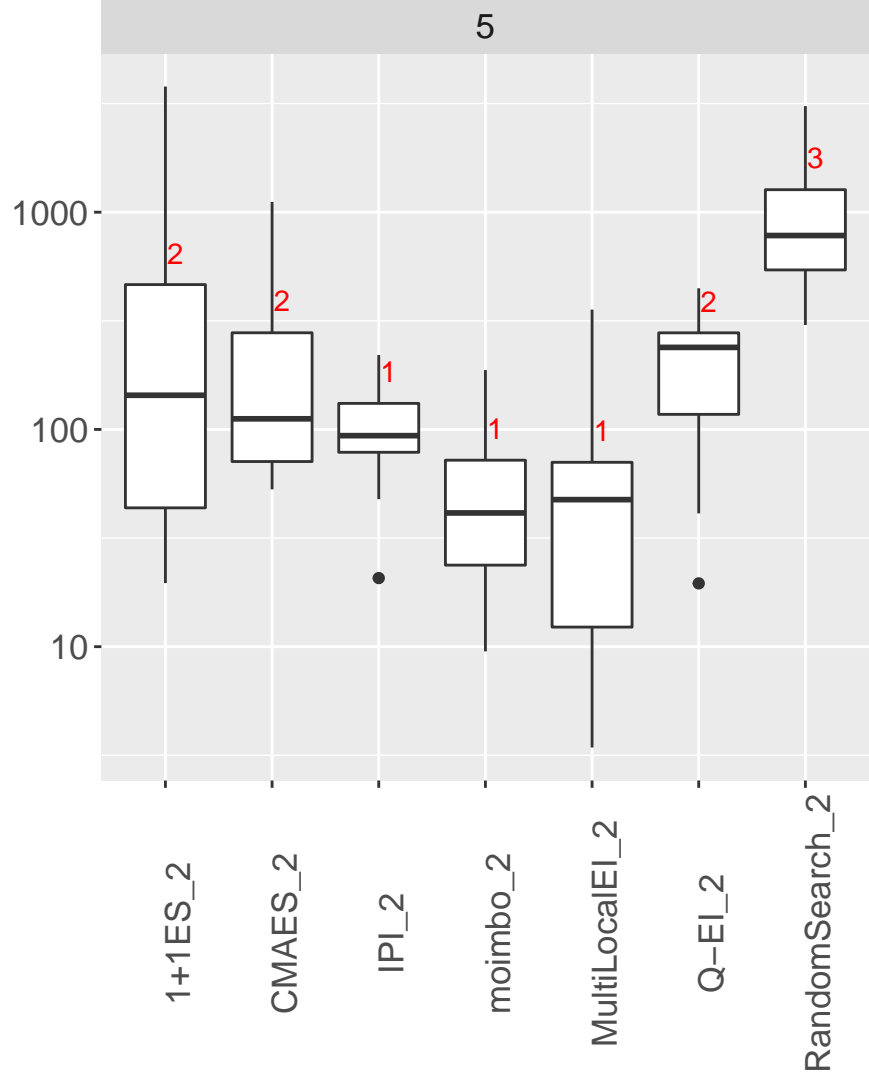


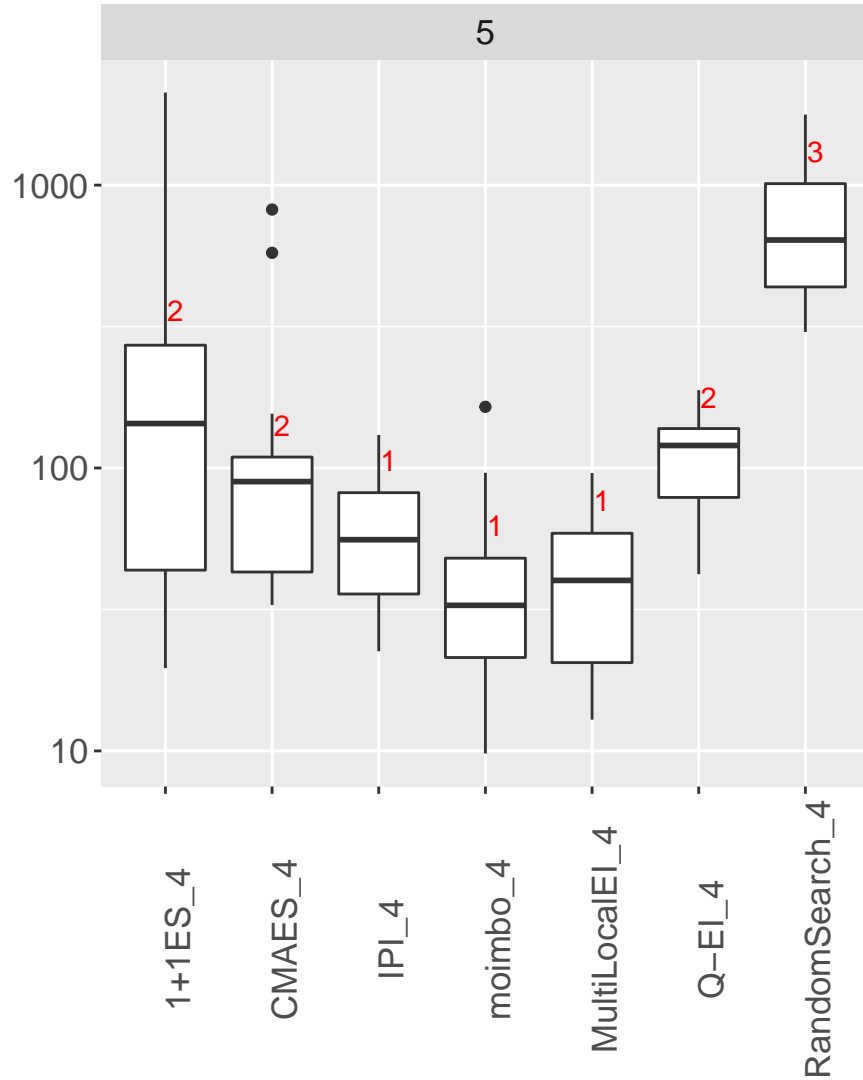
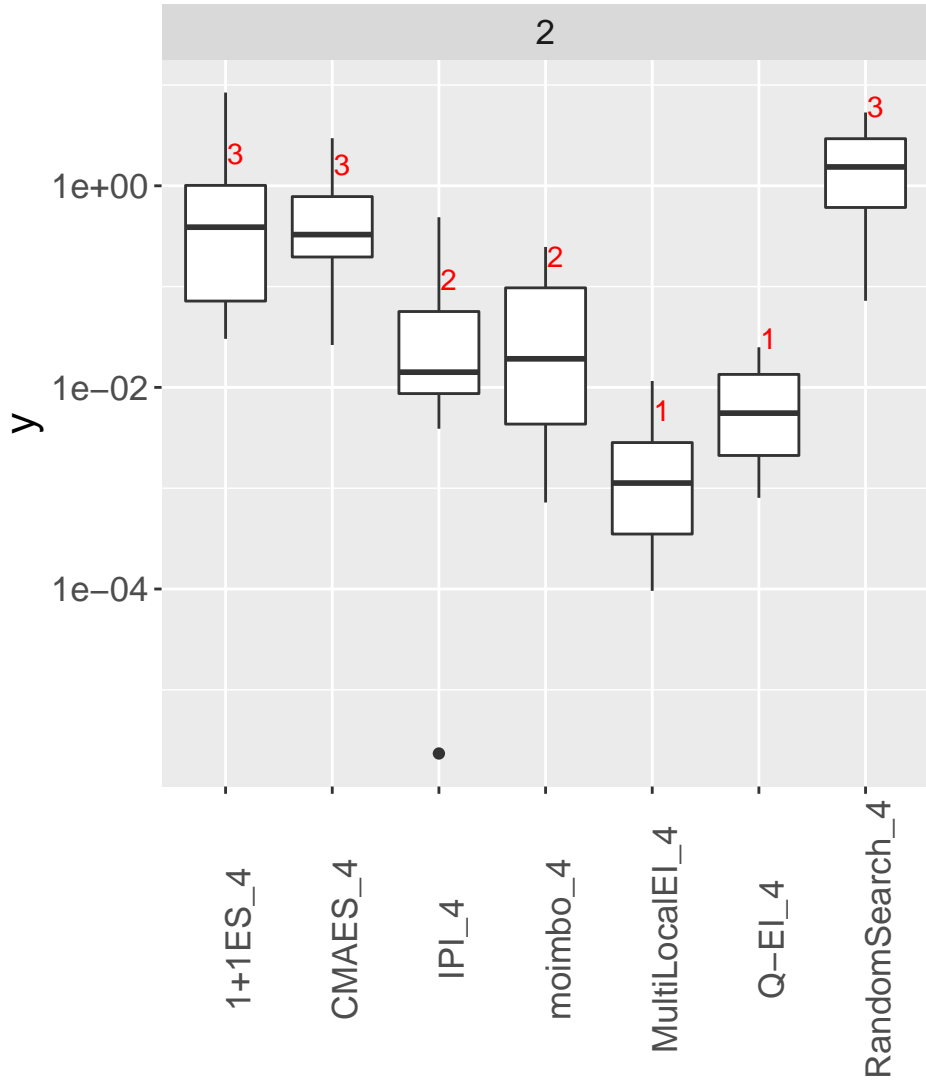


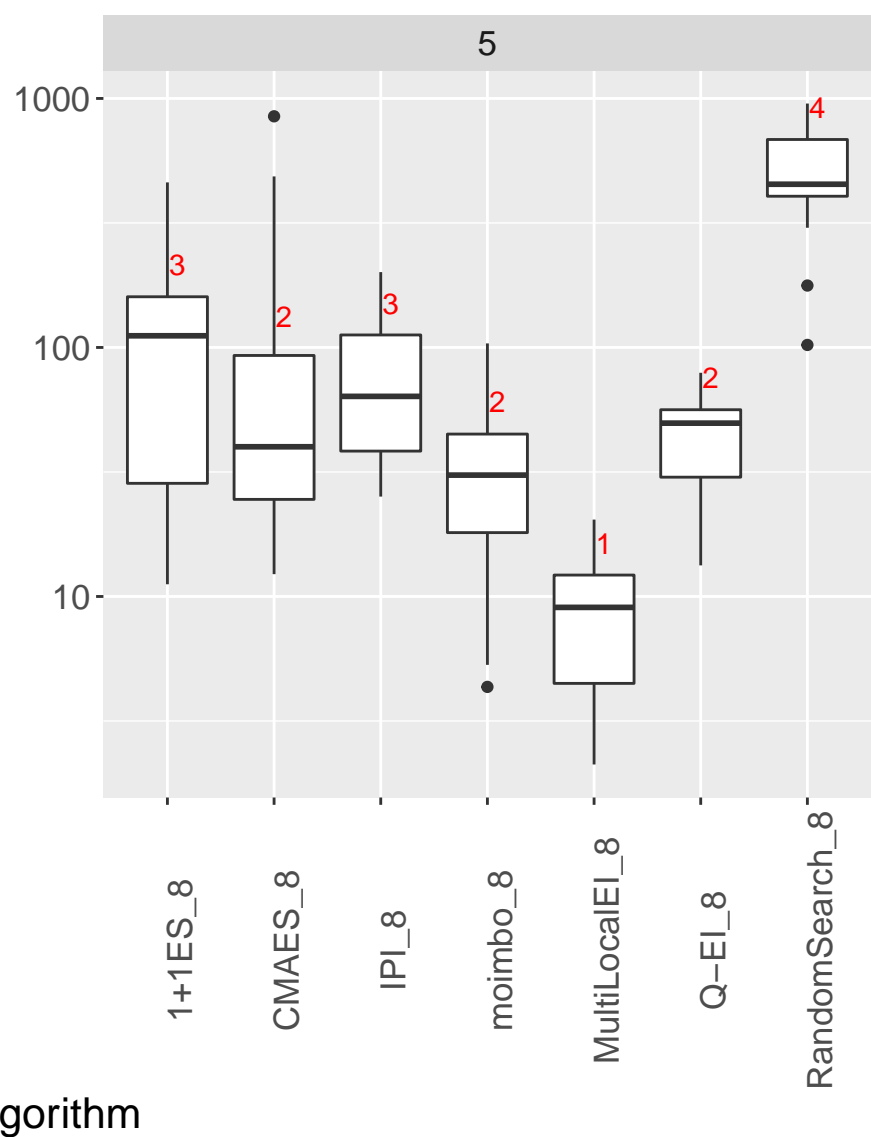
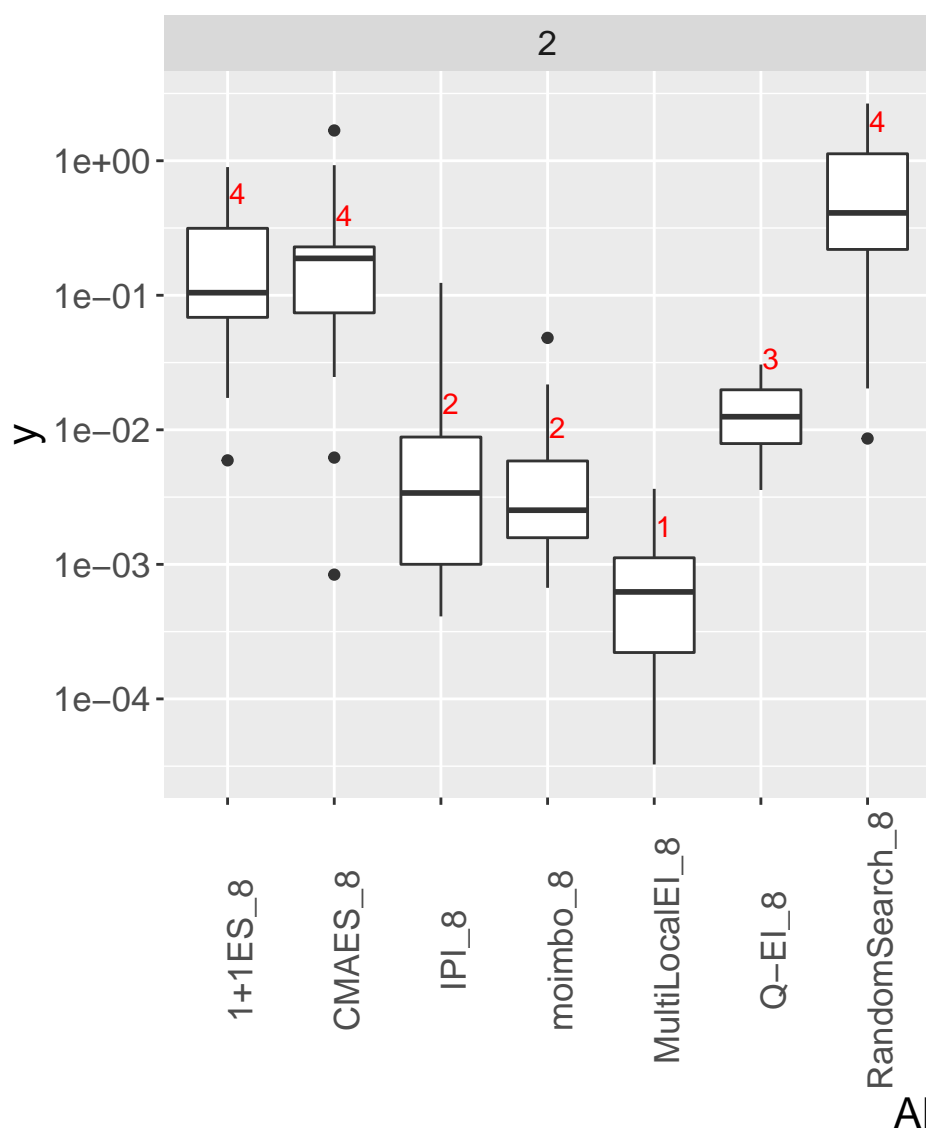
y

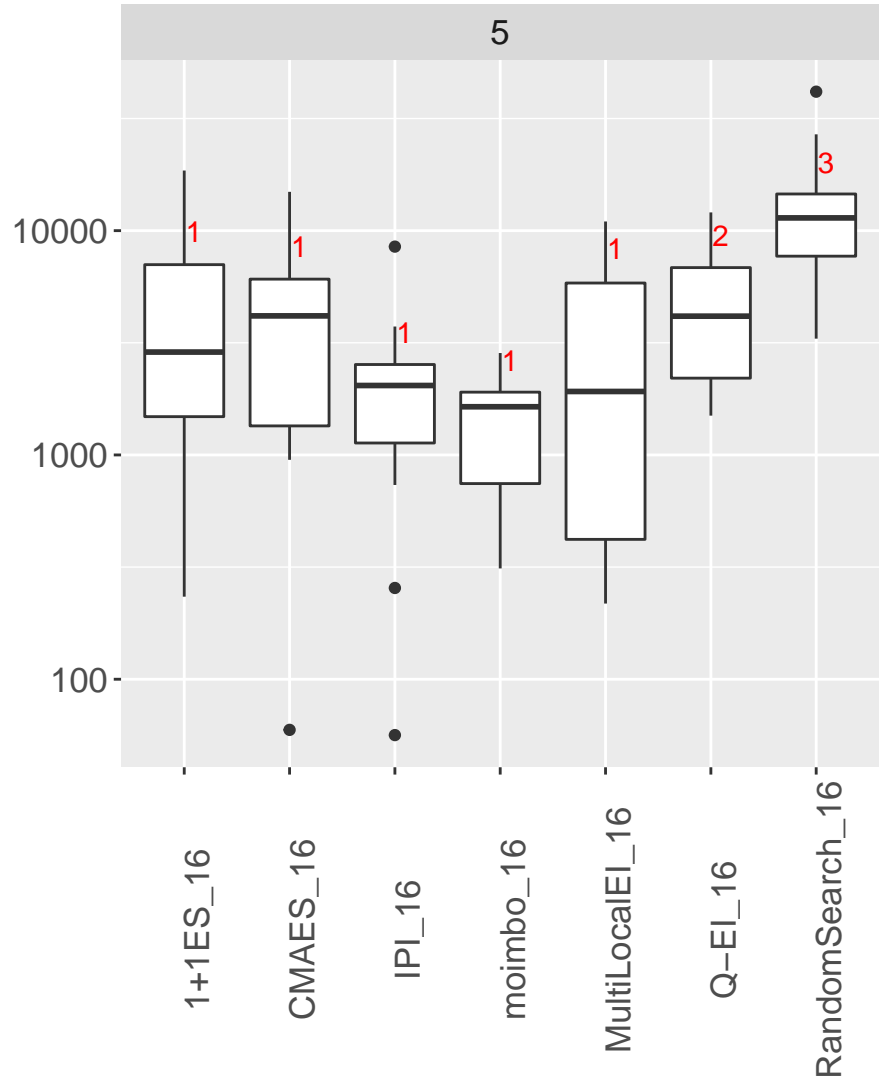
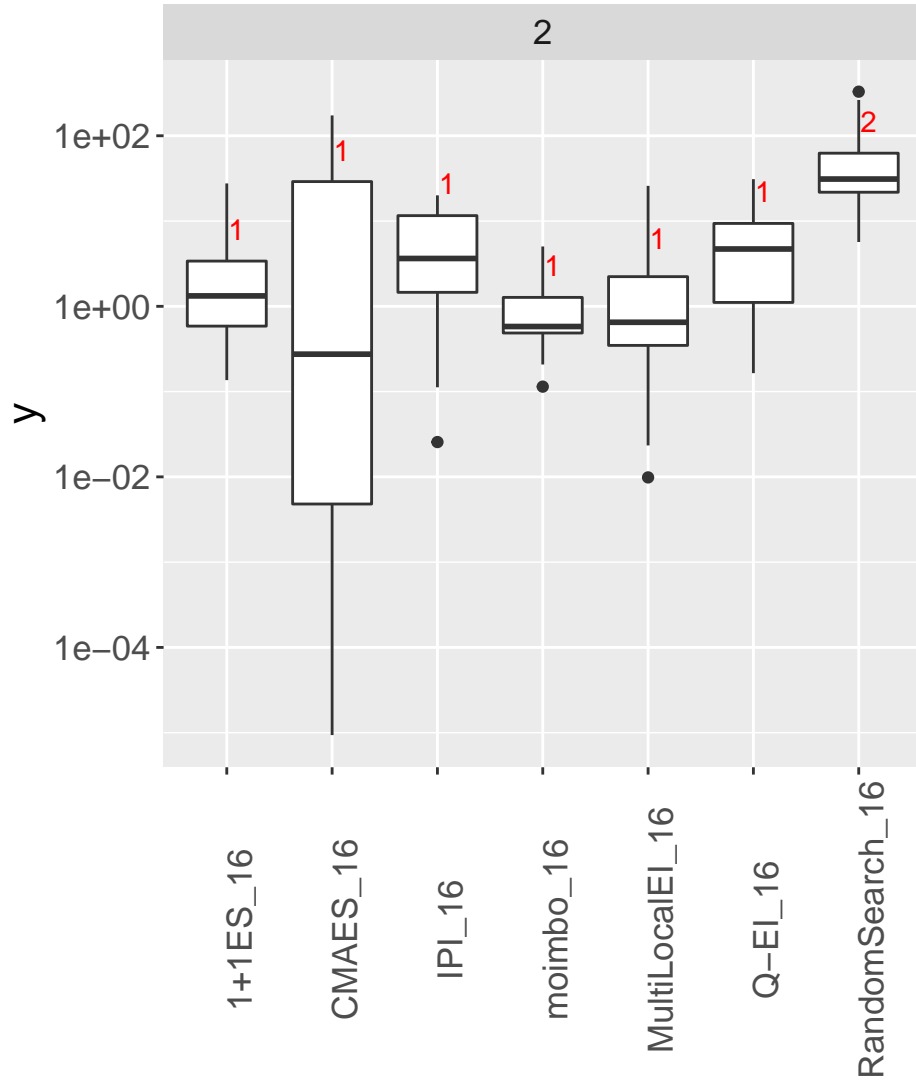


Algorithm









FunID: 10 – BatchSize: 2
Evaluation:

y

10000
100
1

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

Algorithm

2

2

2

1

1

1

1

3

5

1e+05
1e+04
1e+03
1e+02

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

2

2

1

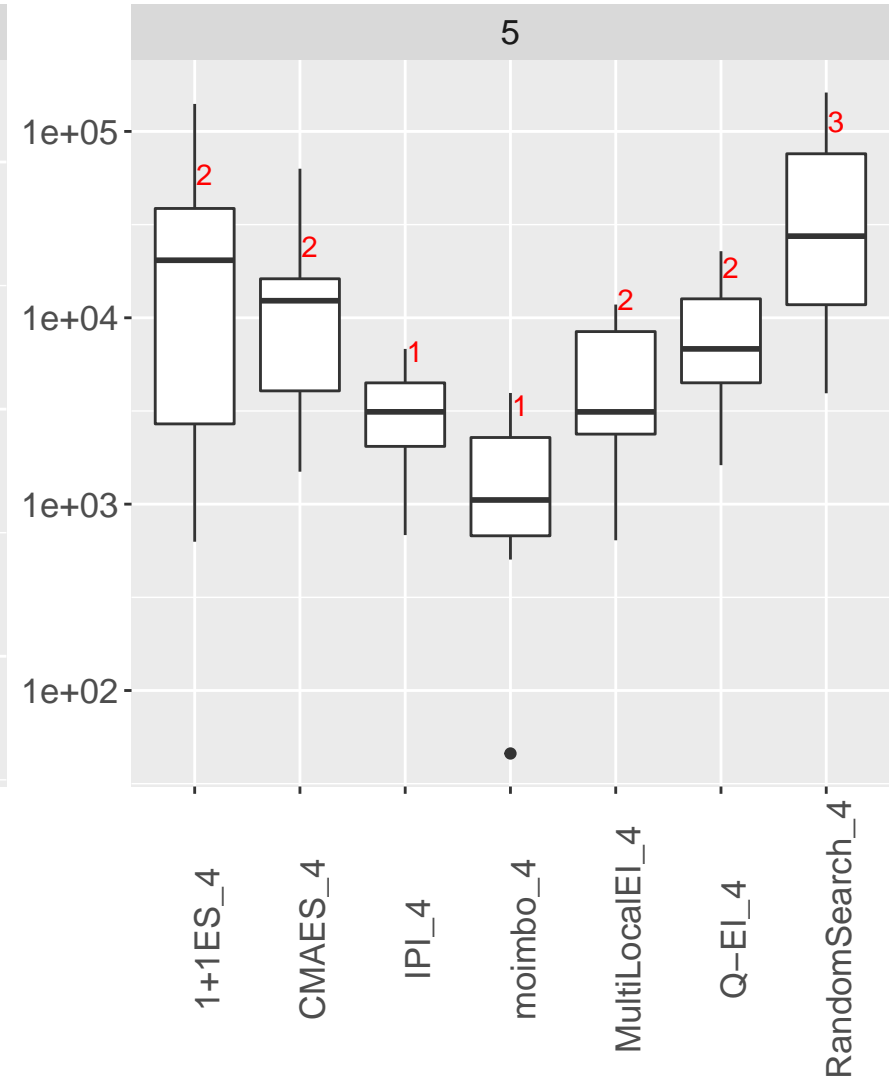
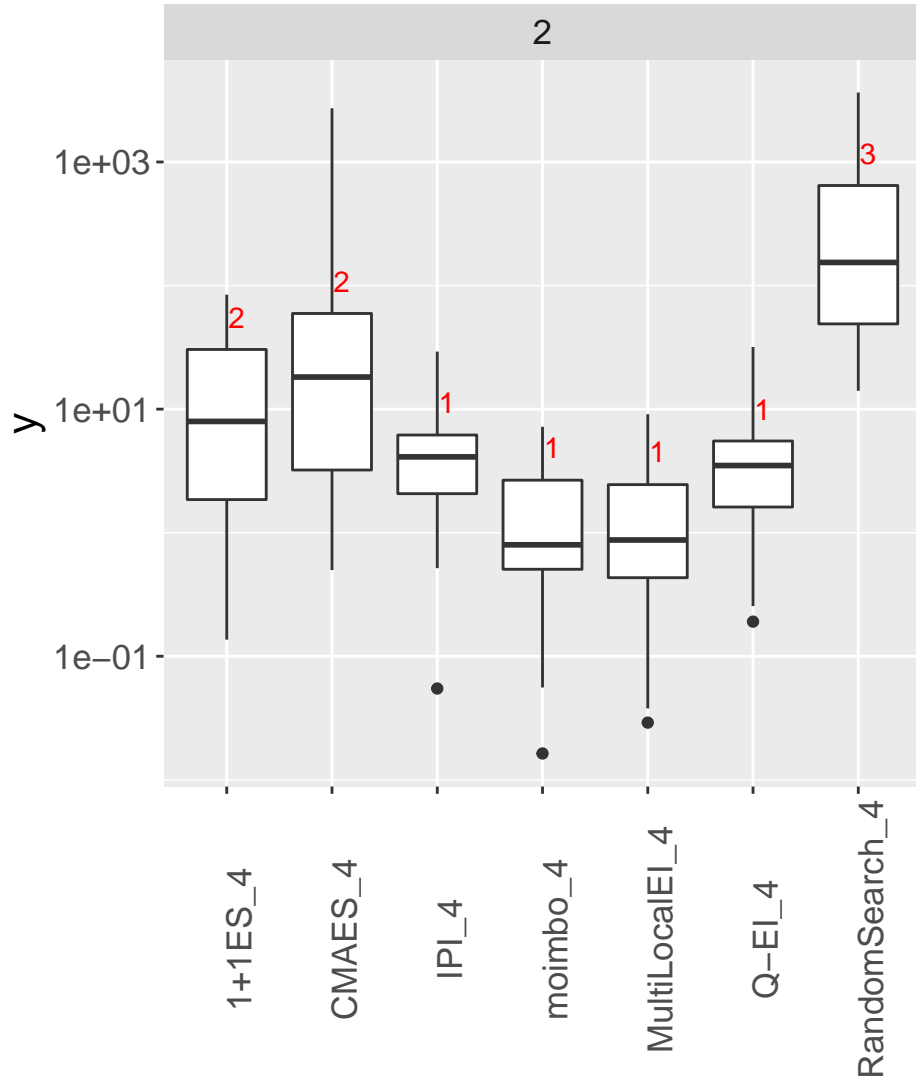
1

1

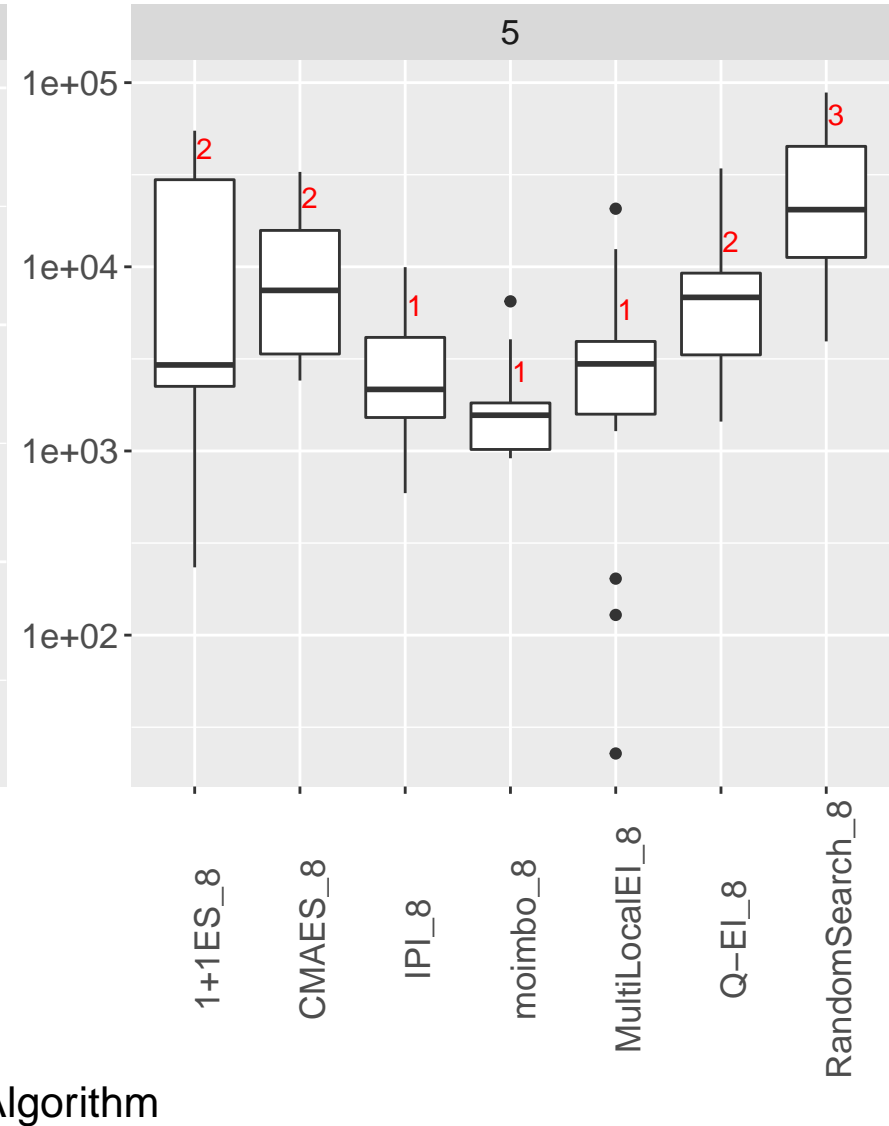
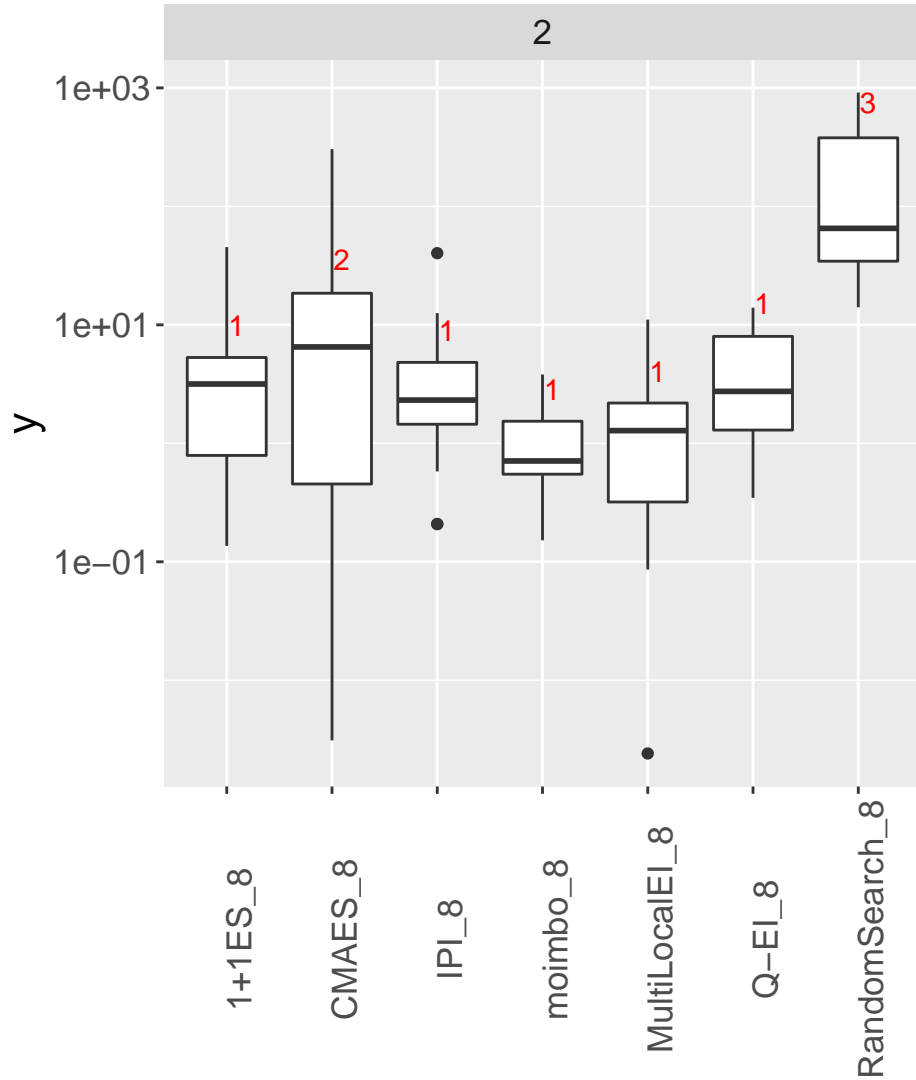
2

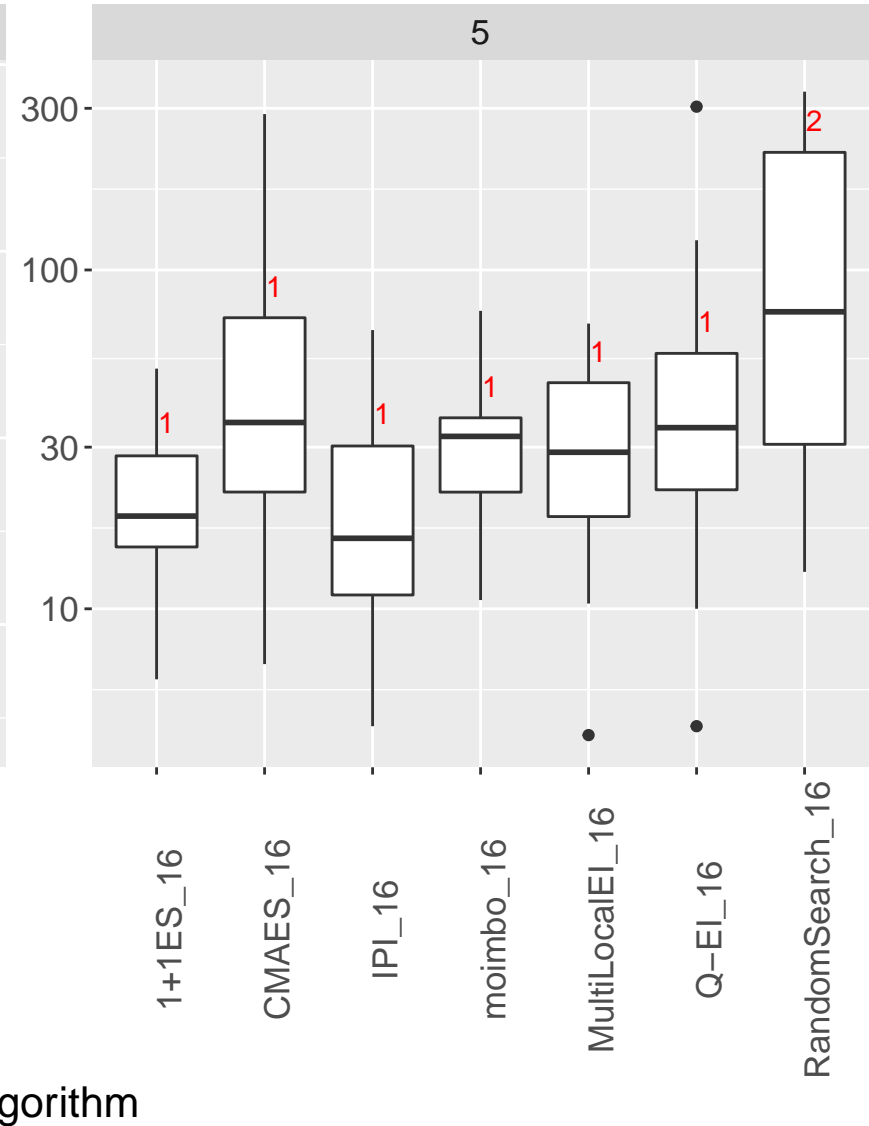
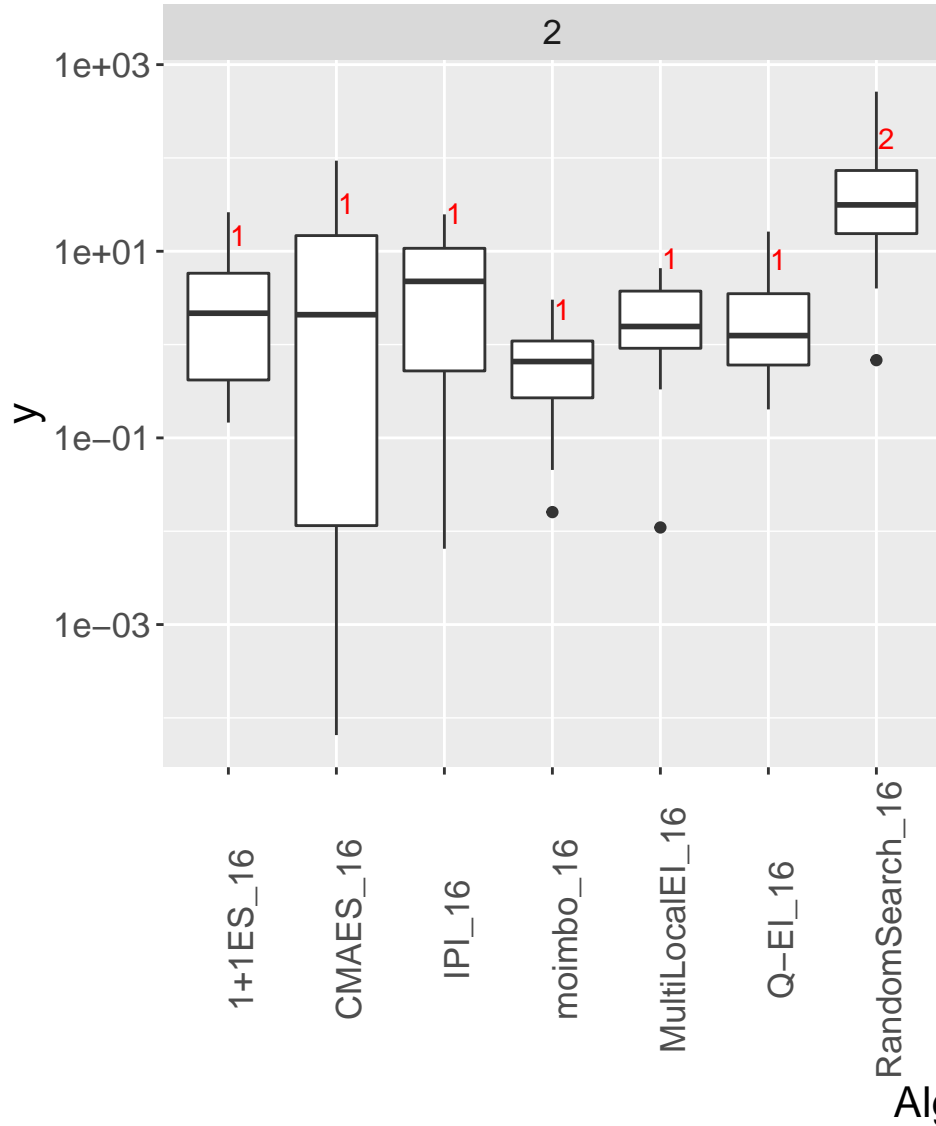
3

FunID: 10 – BatchSize: 4
Evaluation:

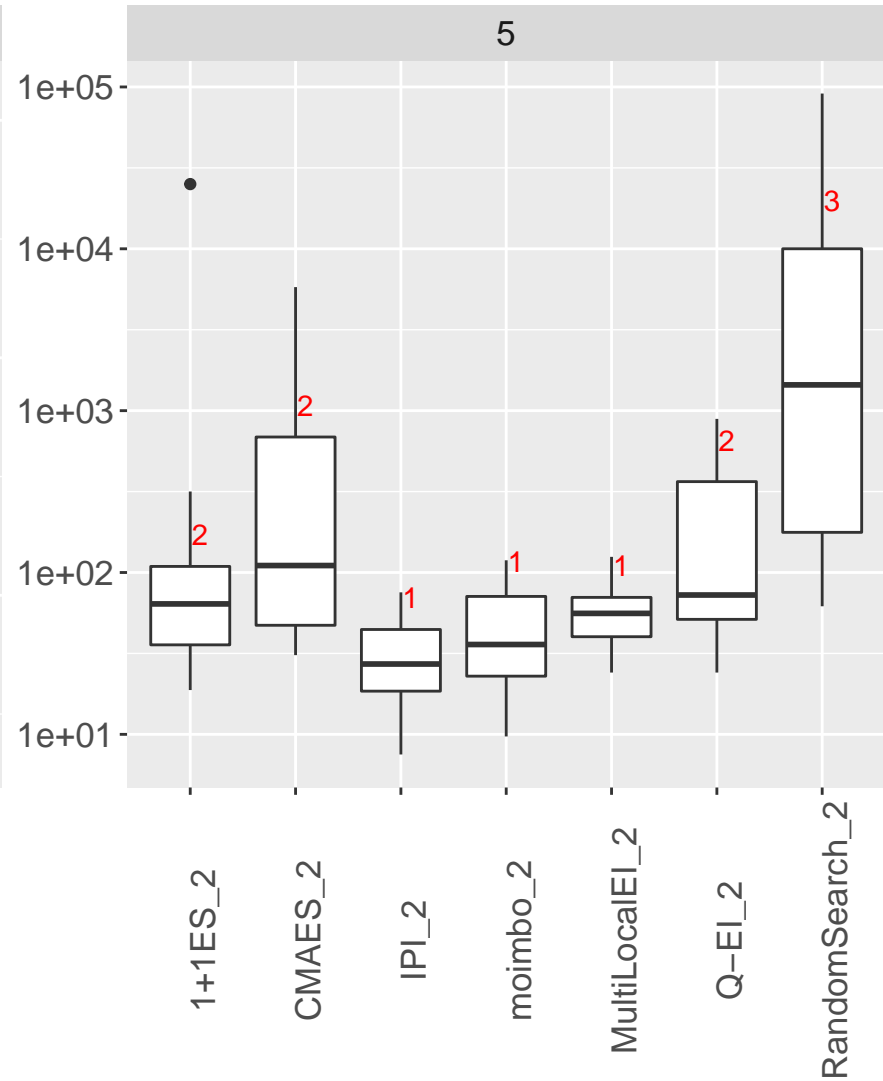
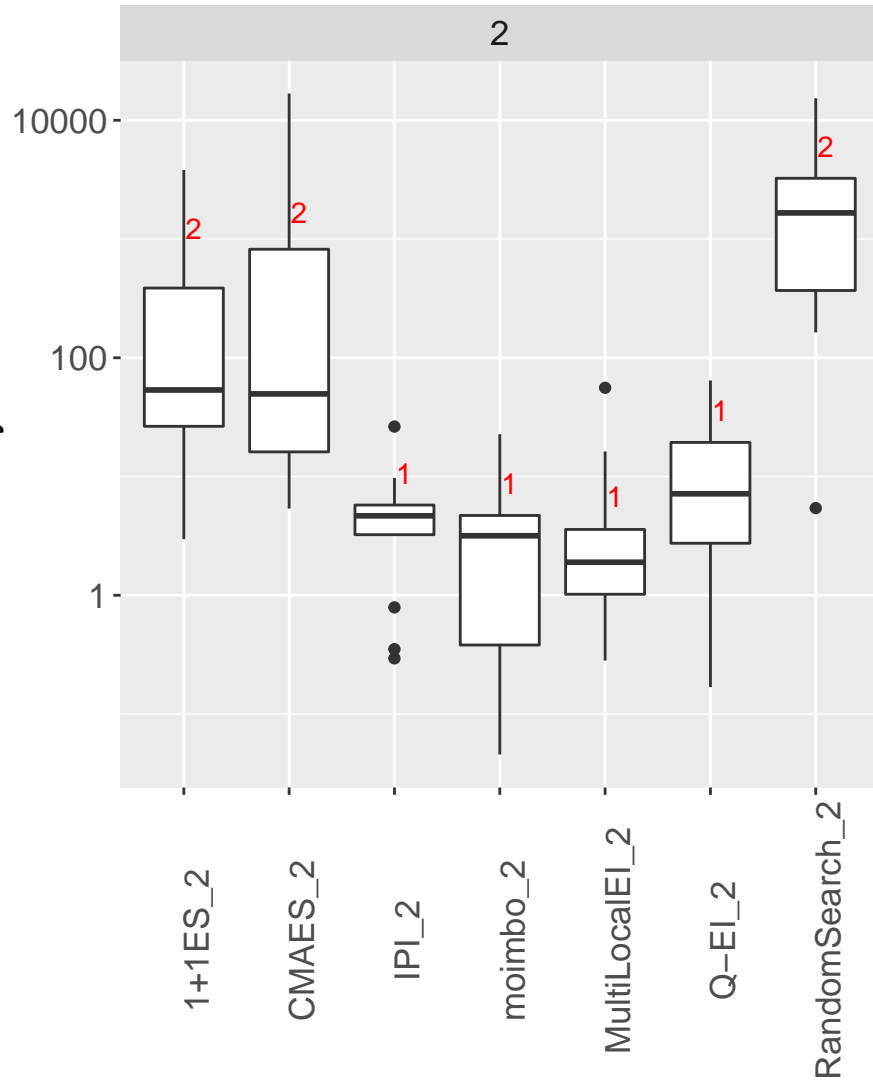


FunID: 10 – BatchSize: 8
Evaluation:

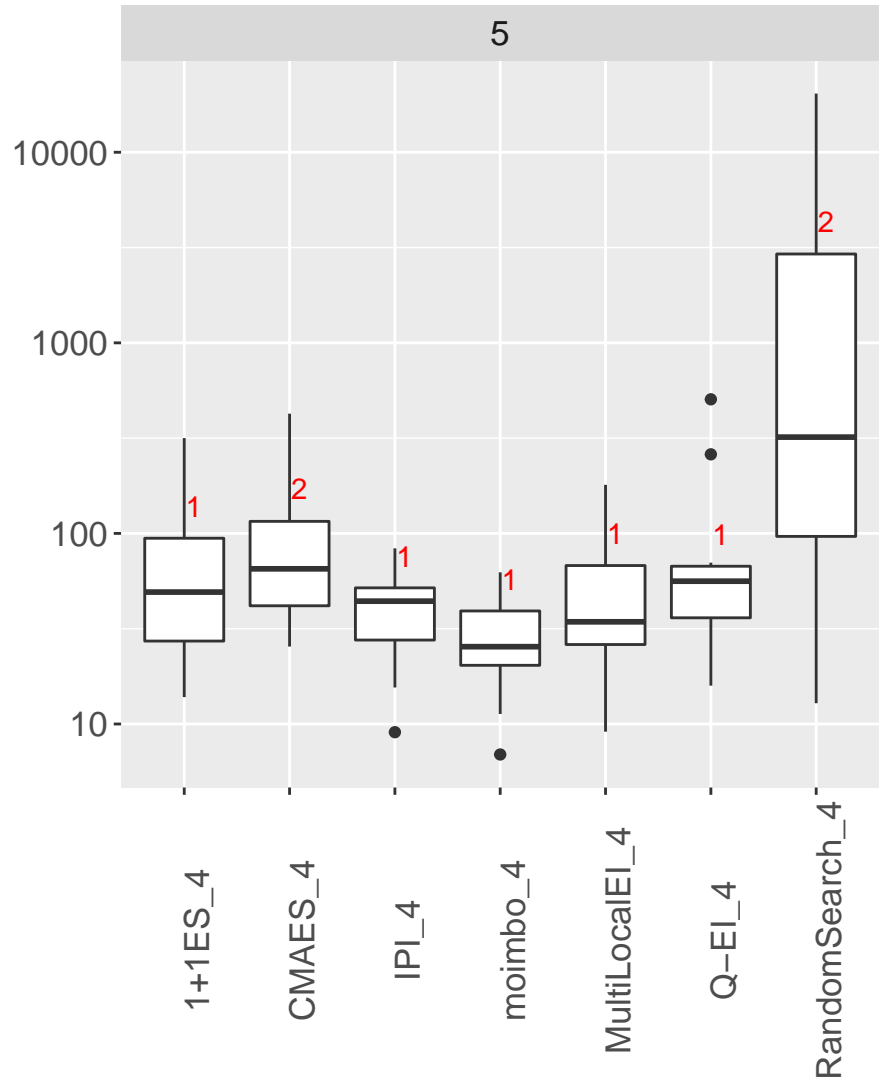
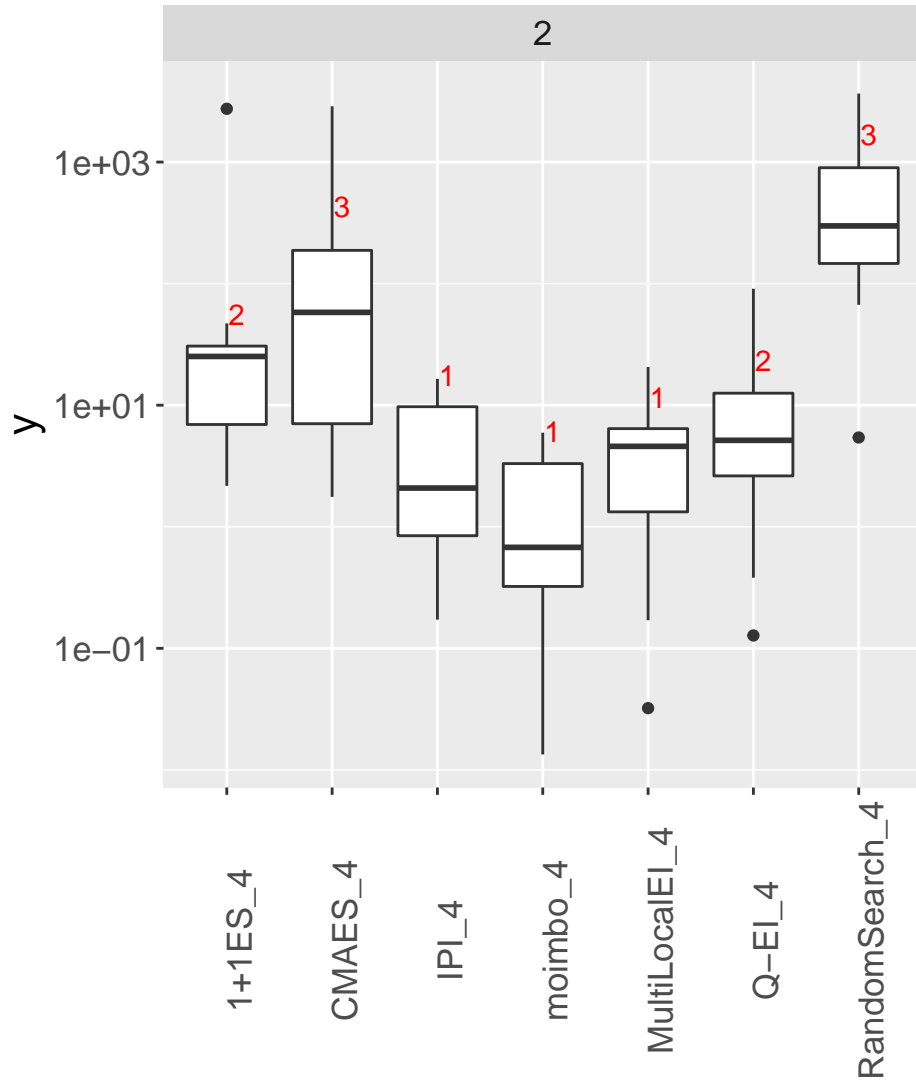




y

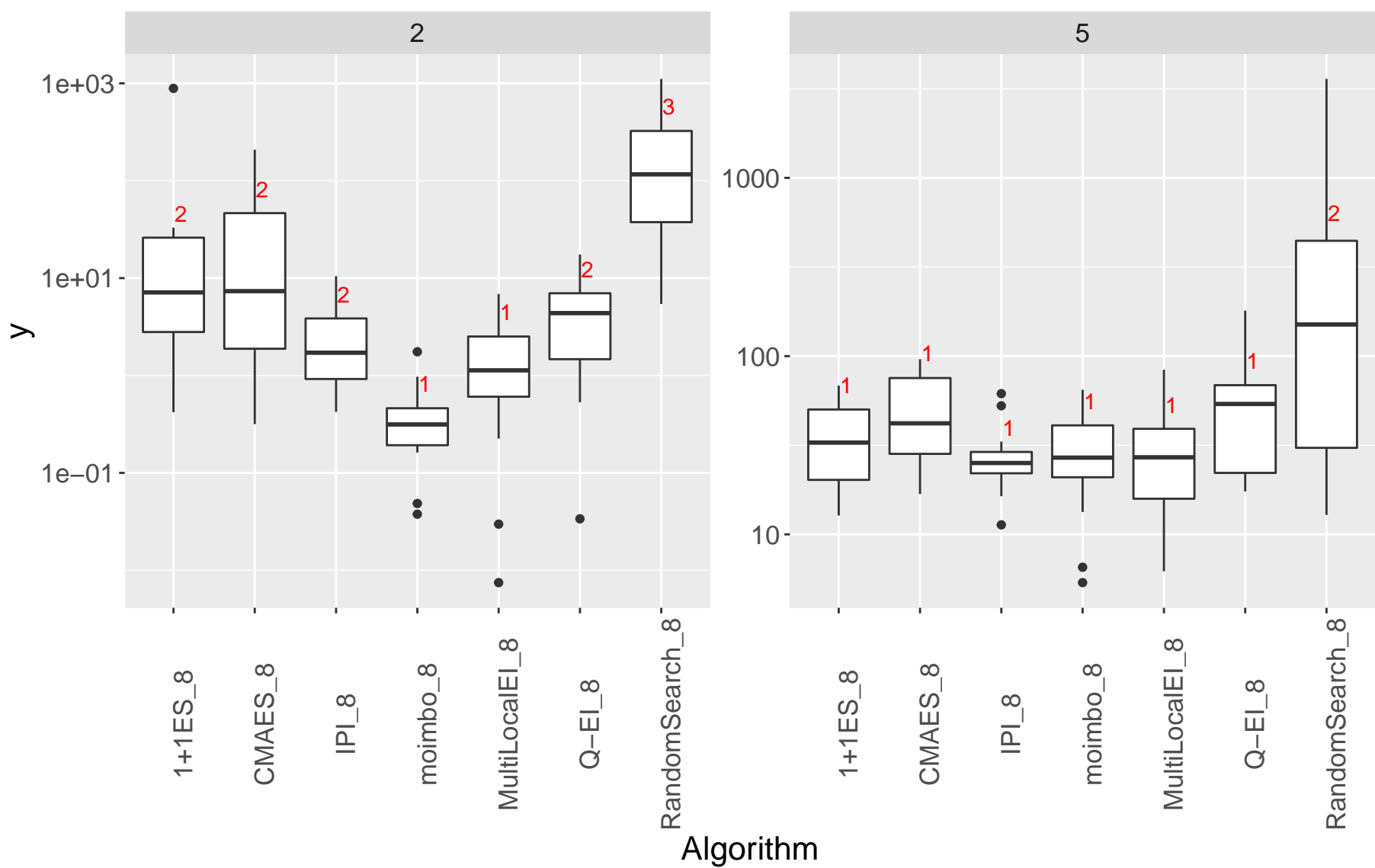


FunID: 11 – BatchSize: 4
Evaluation:

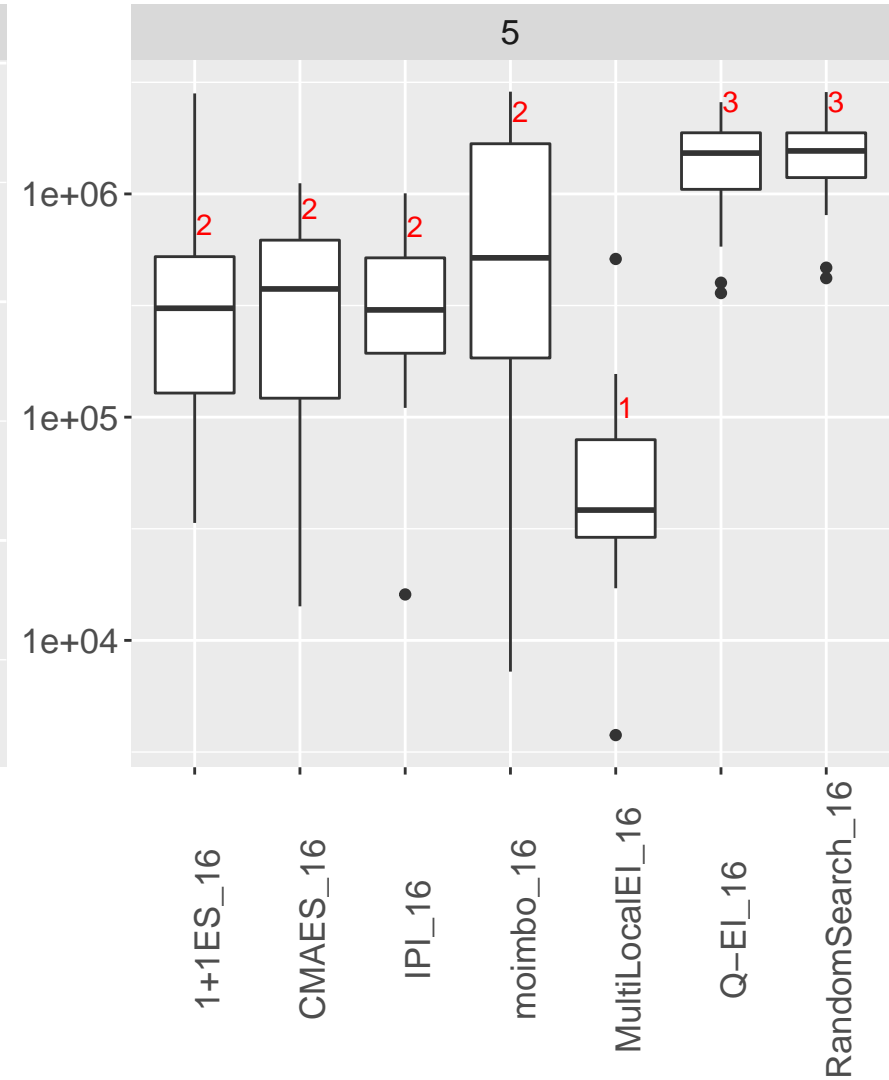
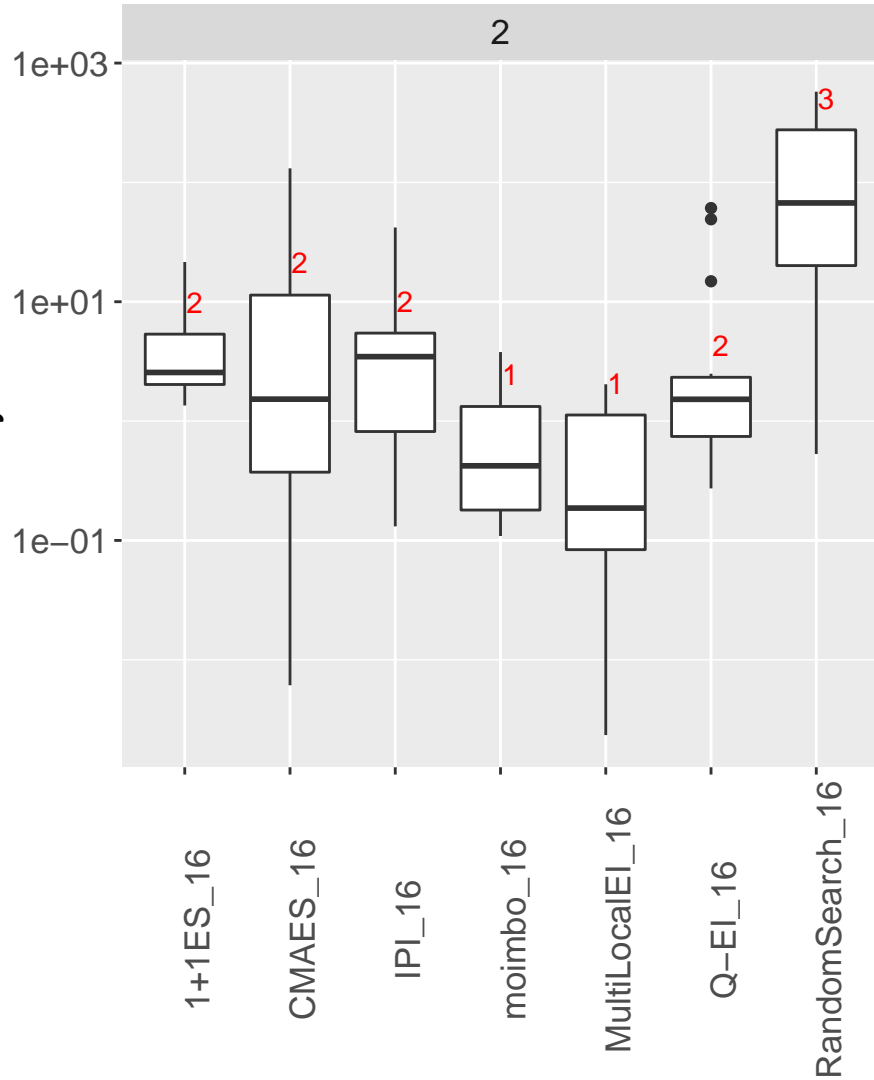


Algorithm

FunID: 11 – BatchSize: 8
Evaluation:



y



FunID: 12 – BatchSize: 2
Evaluation:

y

10000
100
1

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

Algorithm

2

2

2

1

1

1

1

2

5

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

1

1

1

1

1

1

2

y

10000
100
1

2

1+1ES_4

CMAES_4

IPI_4

moimbo_4

MultiLocalEI_4

Q-EI_4

RandomSearch_4

Algorithm

1e+07
1e+06
1e+05
1e+04

5

1+1ES_4

CMAES_4

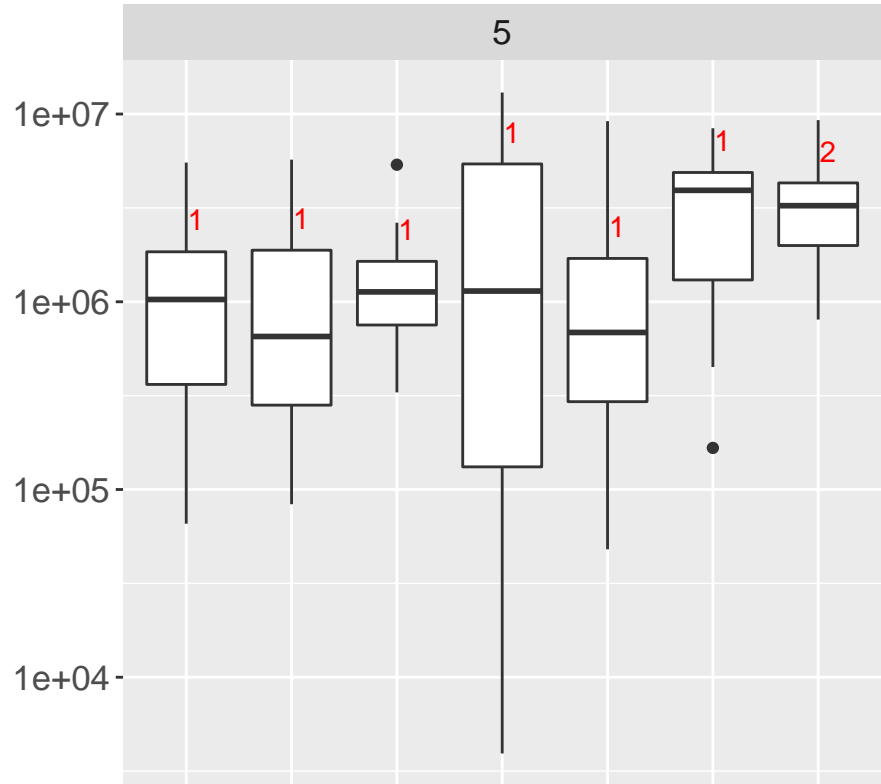
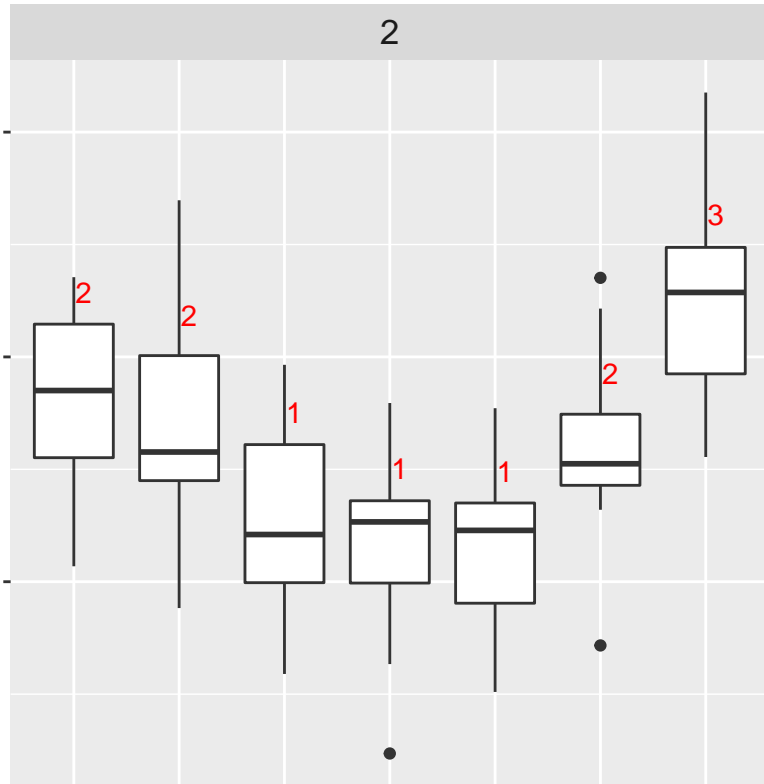
IPI_4

moimbo_4

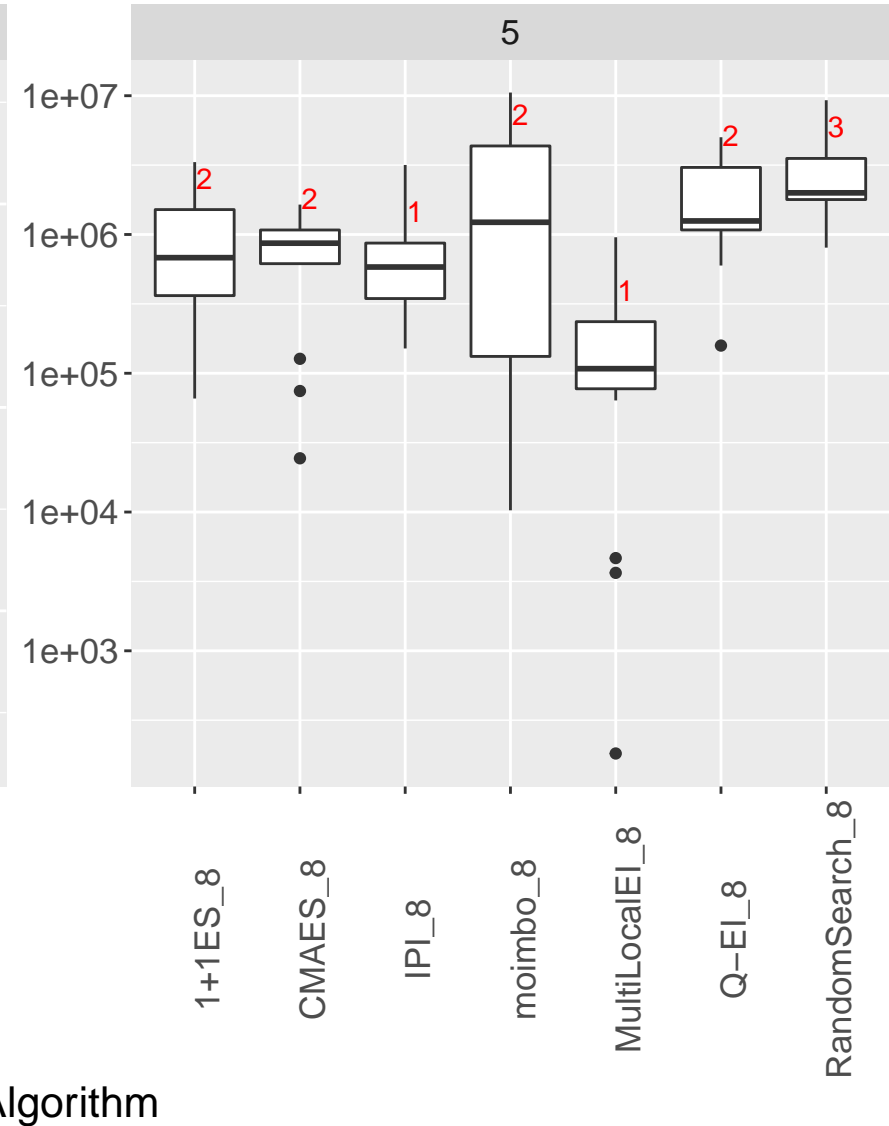
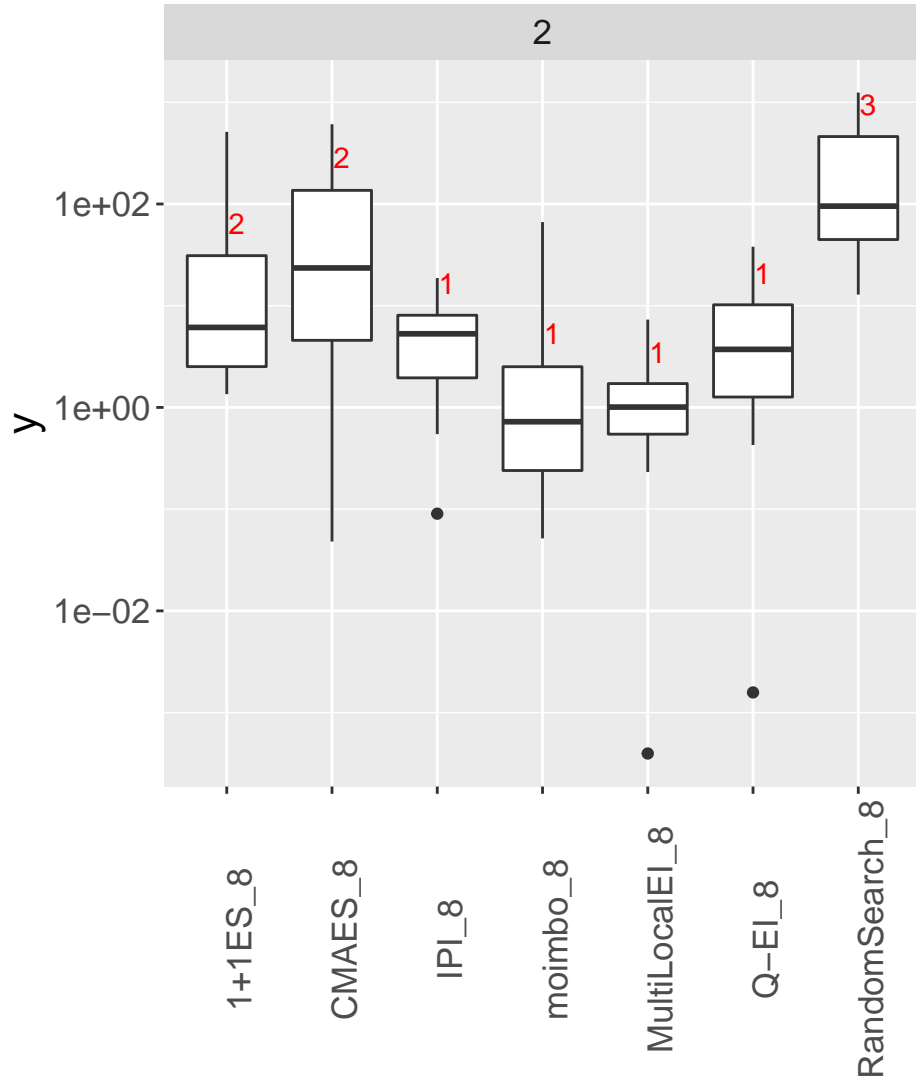
MultiLocalEI_4

Q-EI_4

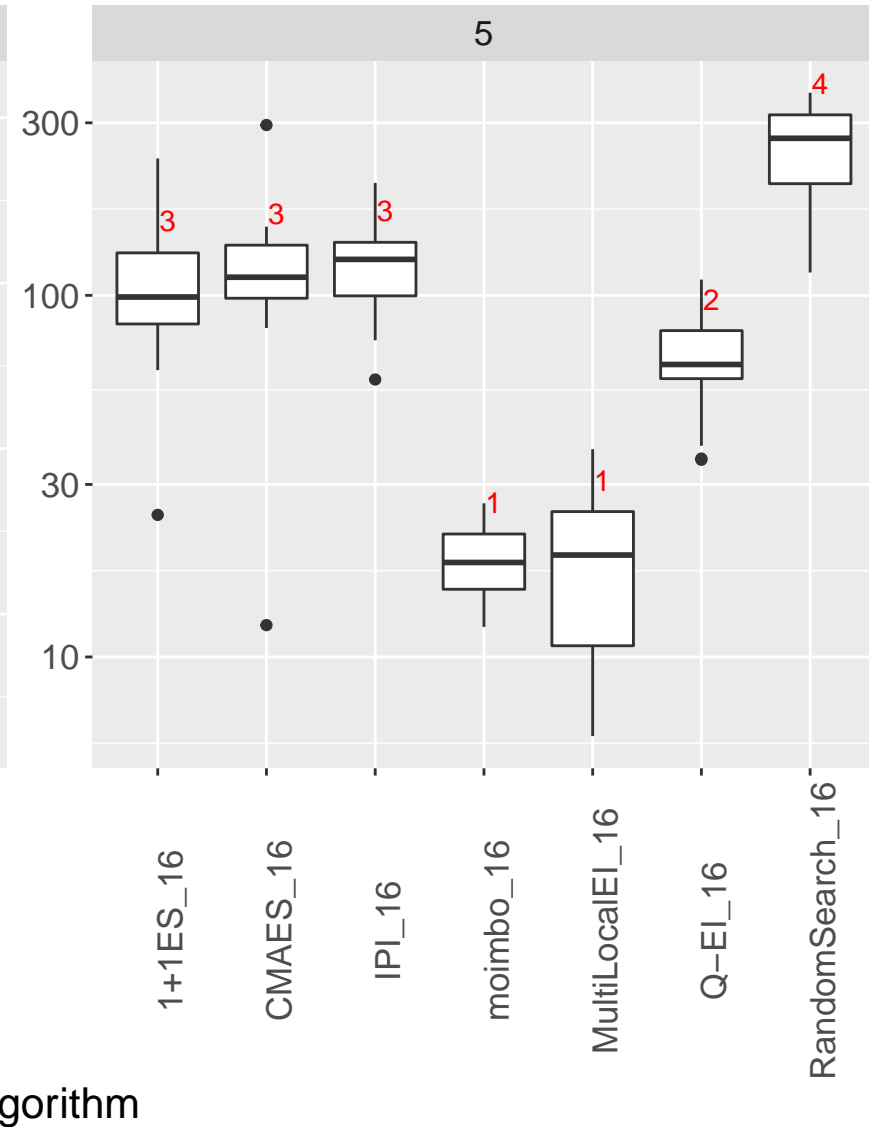
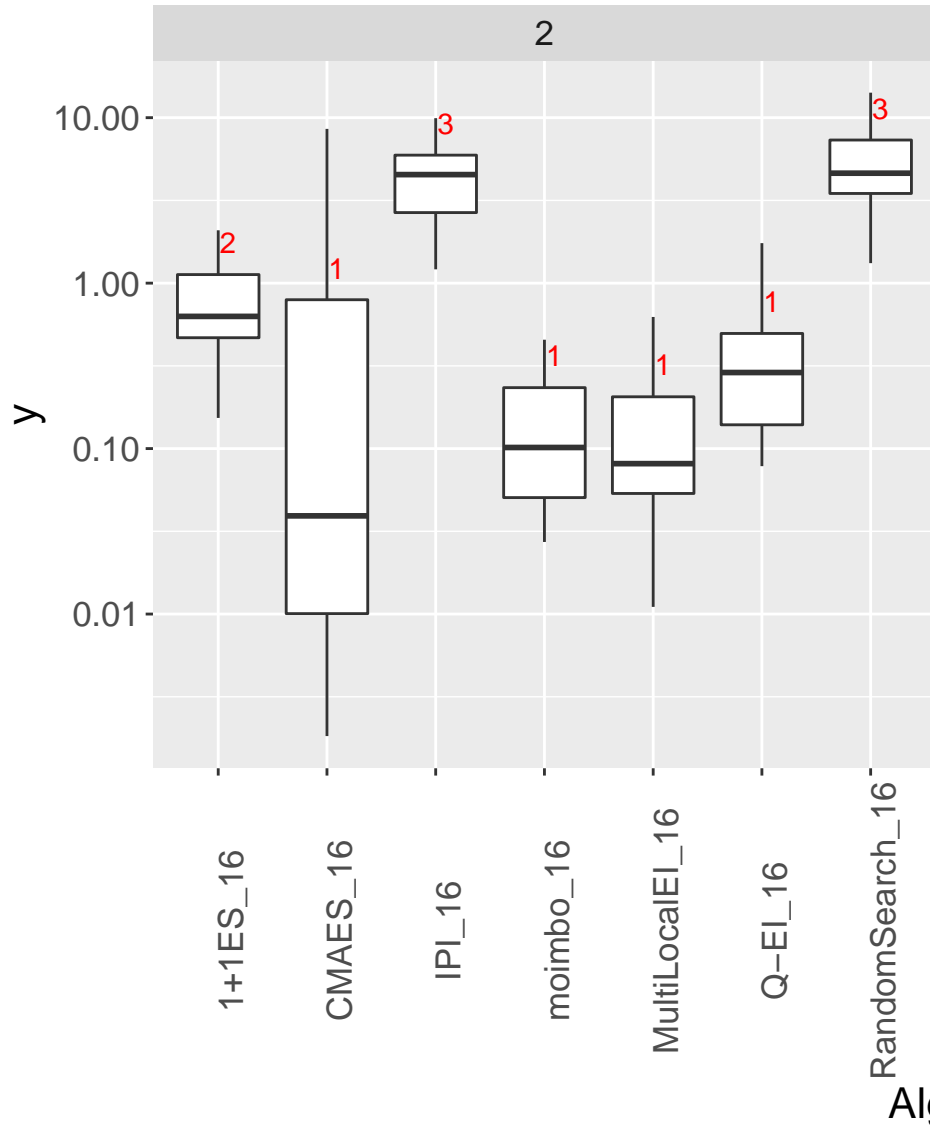
RandomSearch_4



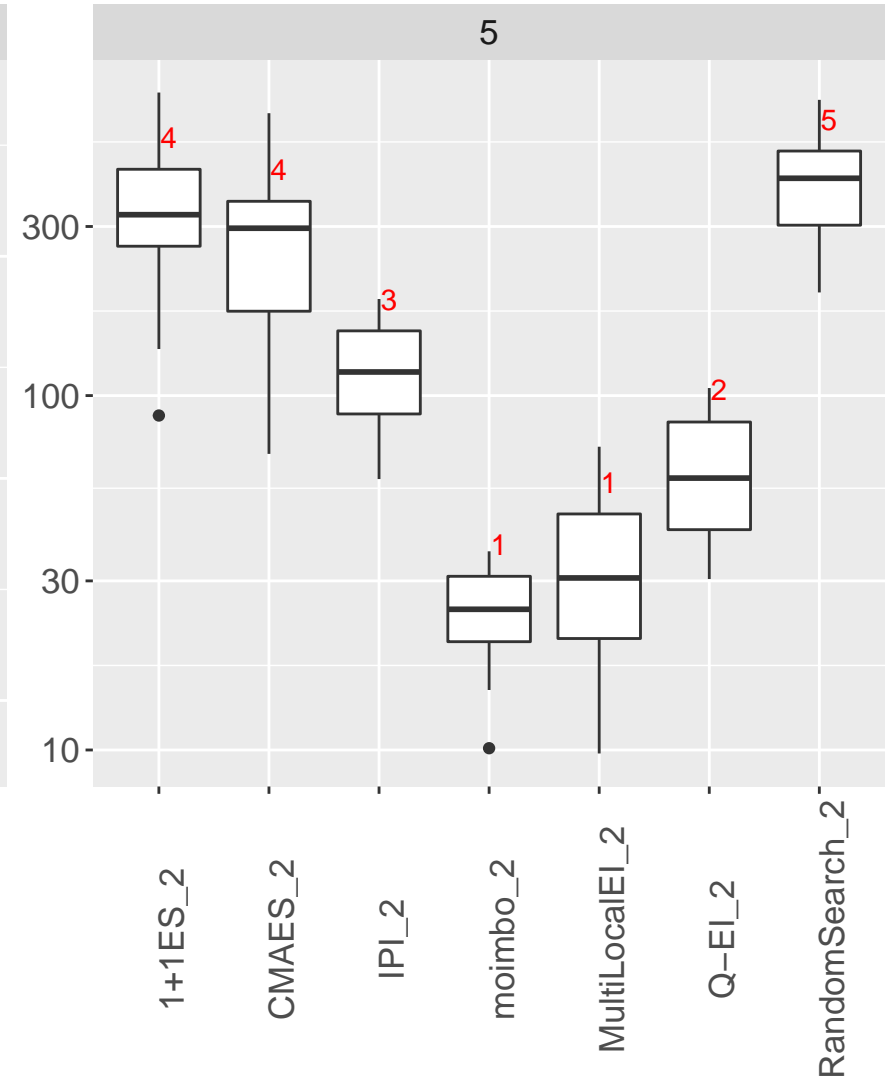
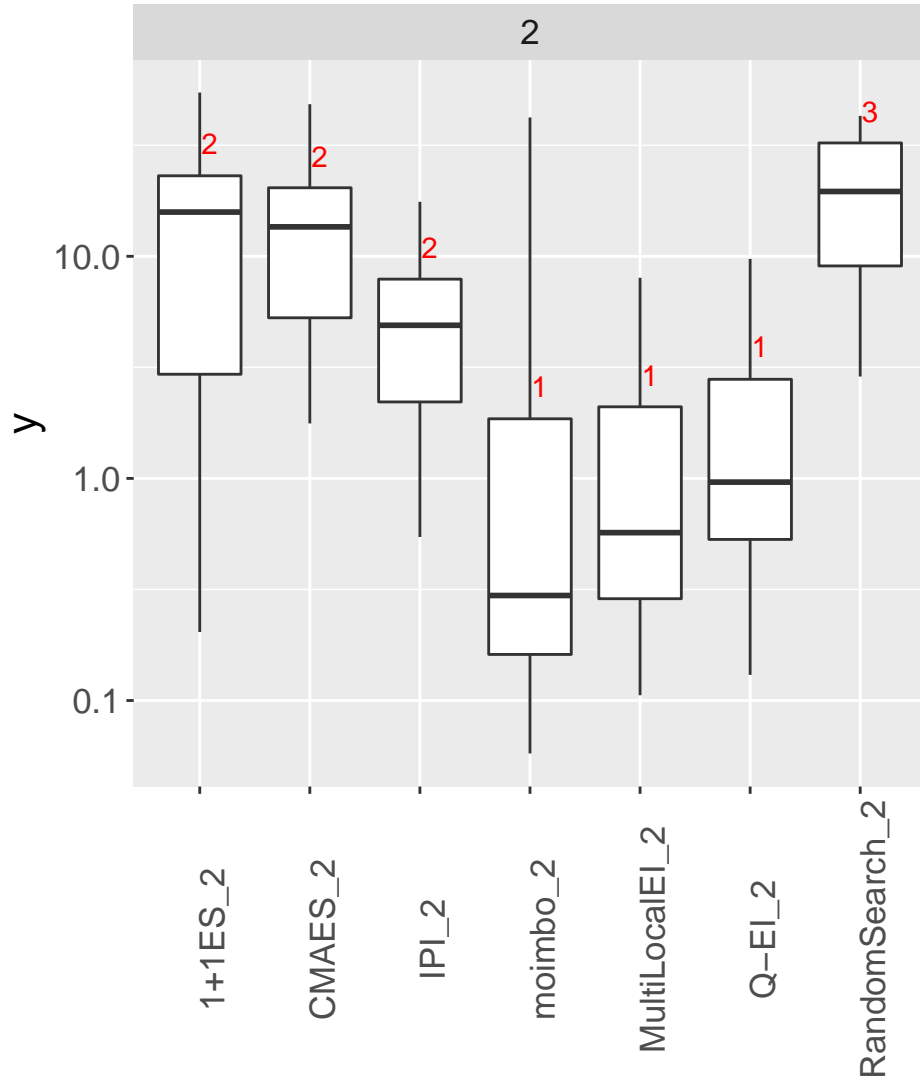
FunID: 12 – BatchSize: 8
Evaluation:



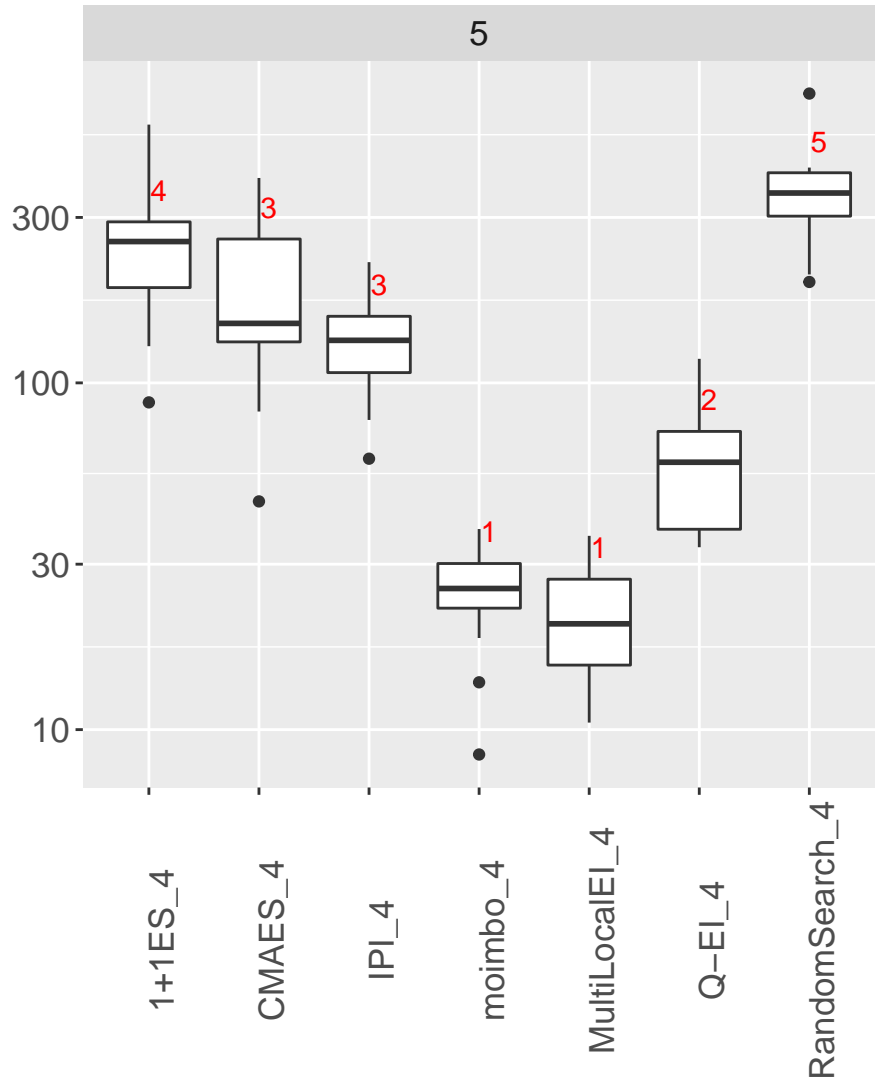
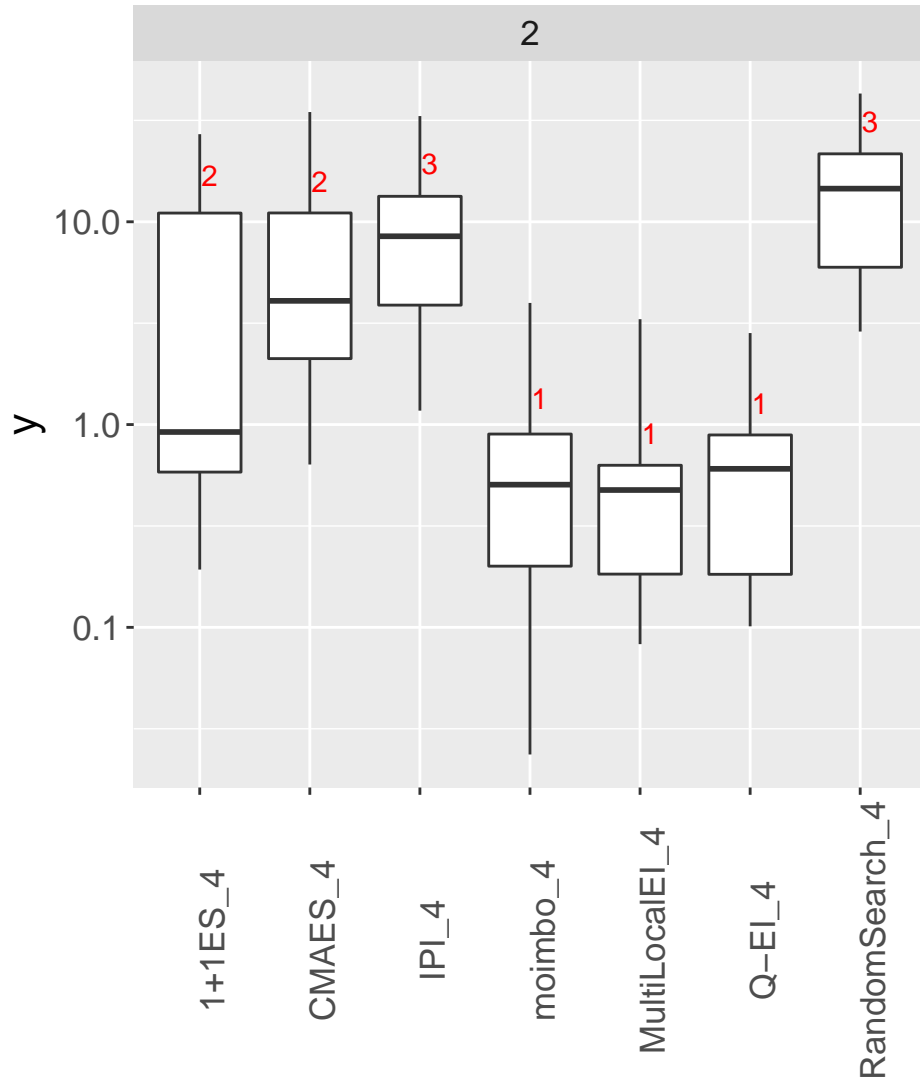
FunID: 13 – BatchSize: 16
Evaluation:



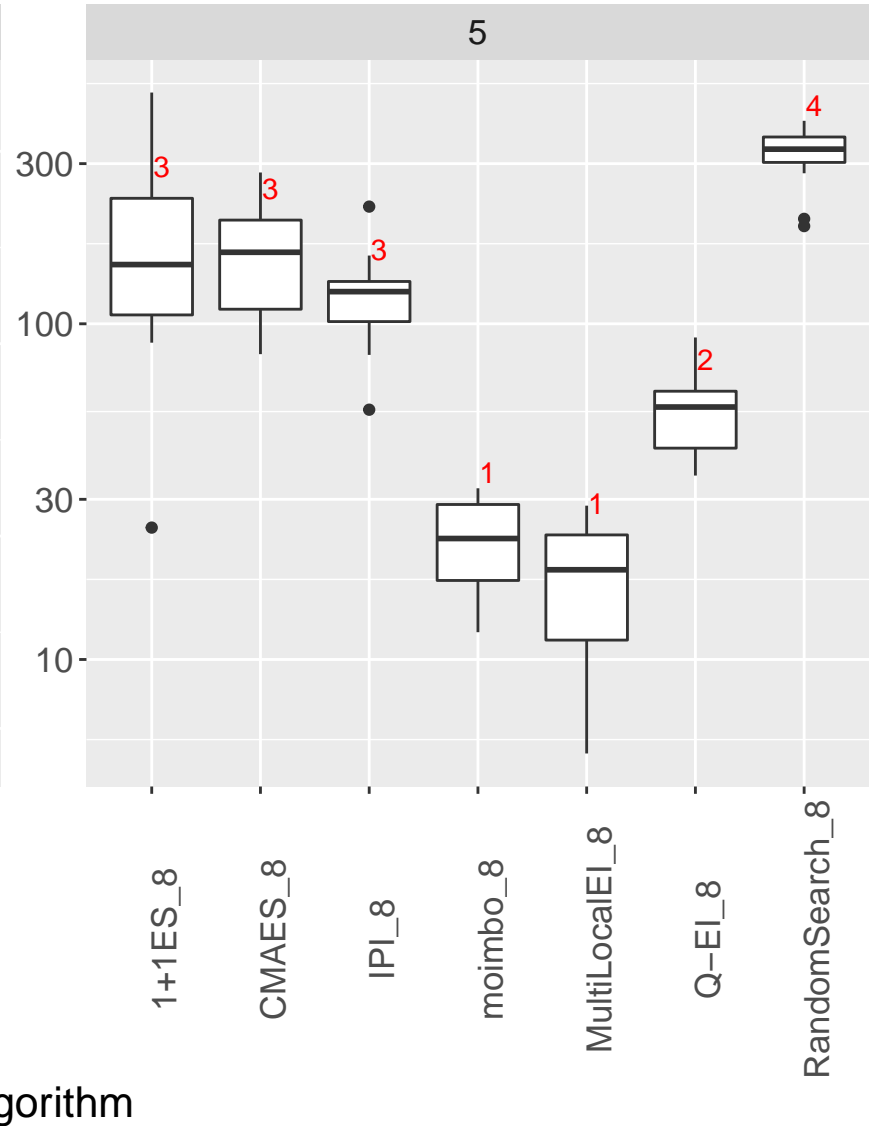
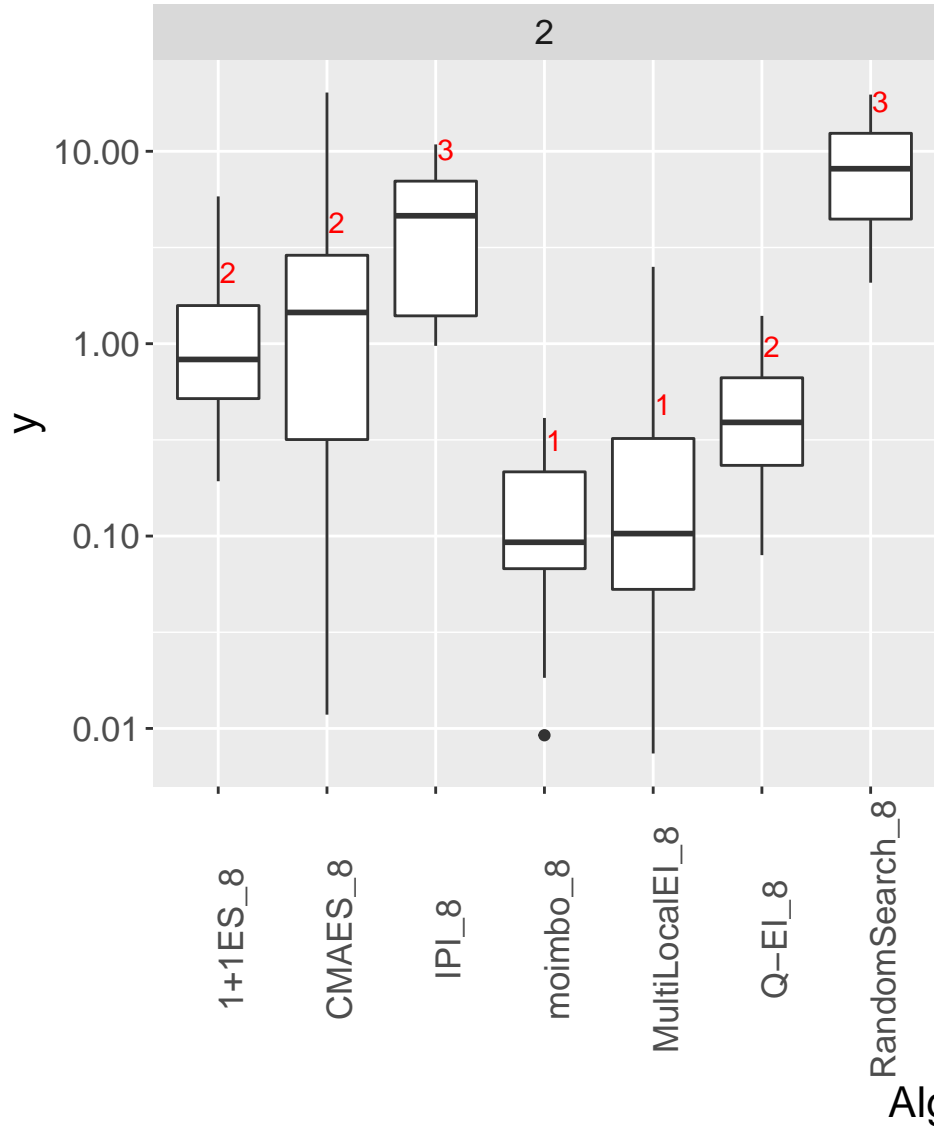
FunID: 13 – BatchSize: 2
Evaluation:

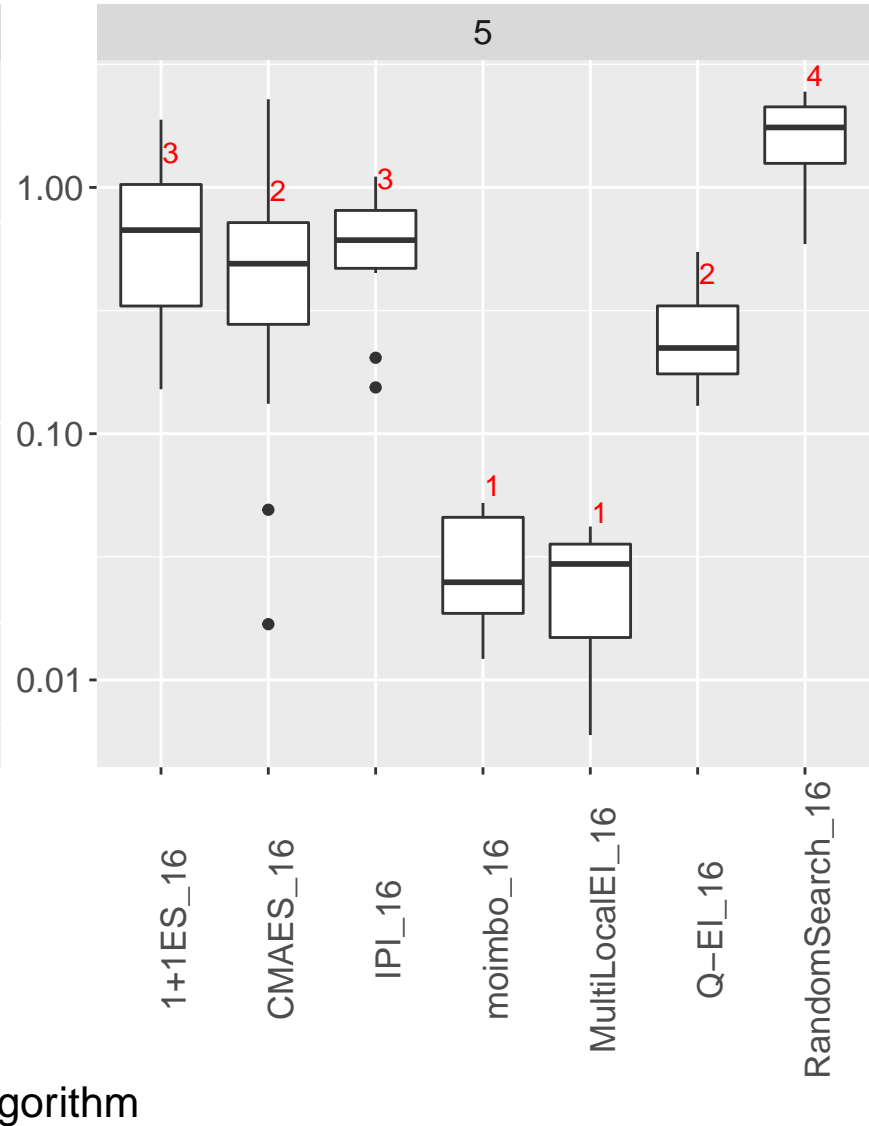
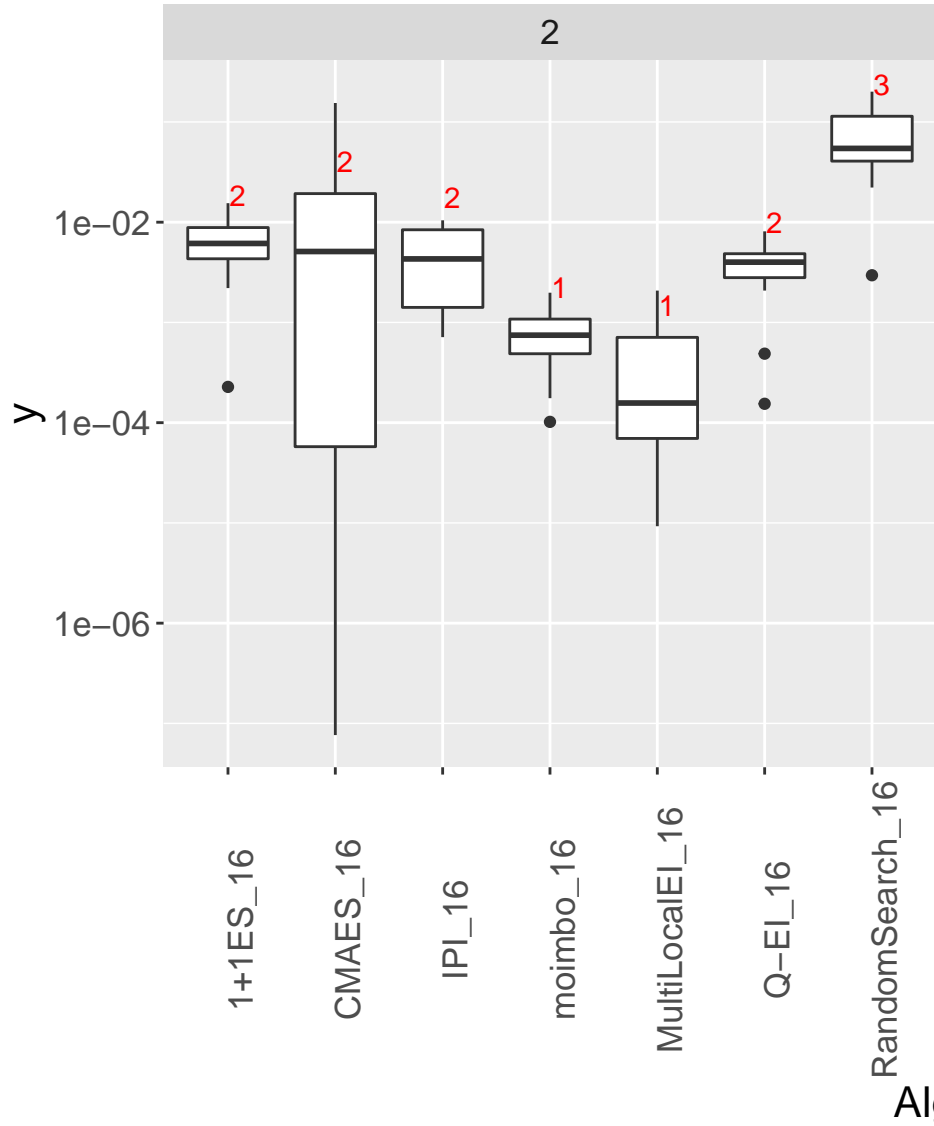


FunID: 13 – BatchSize: 4
Evaluation:

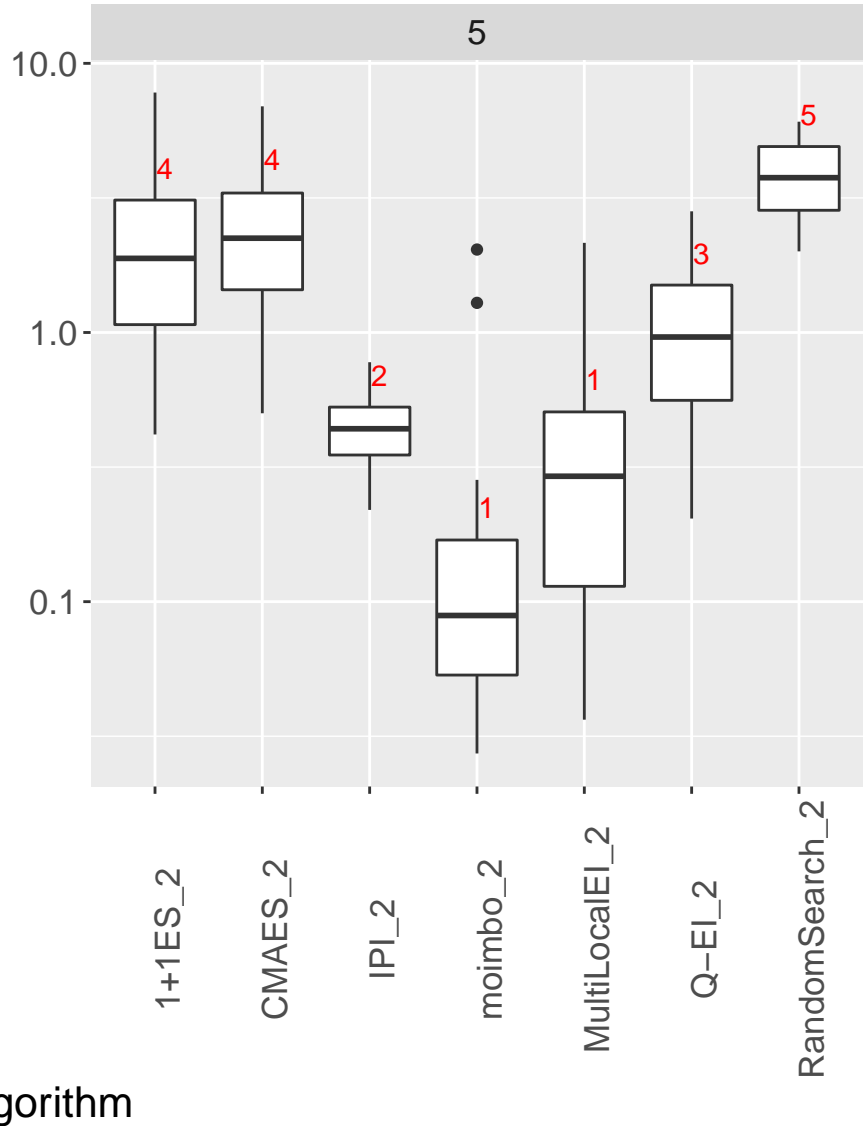
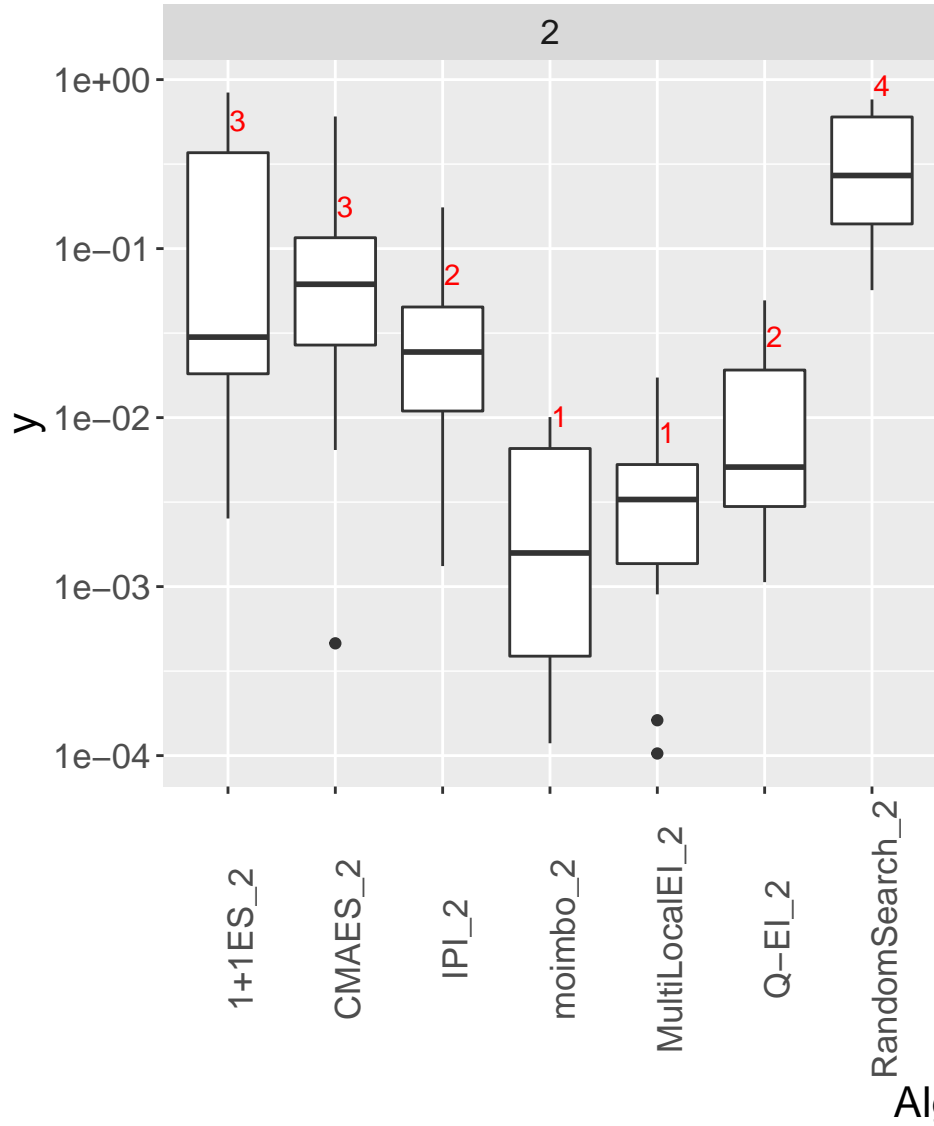


FunID: 13 – BatchSize: 8
Evaluation:

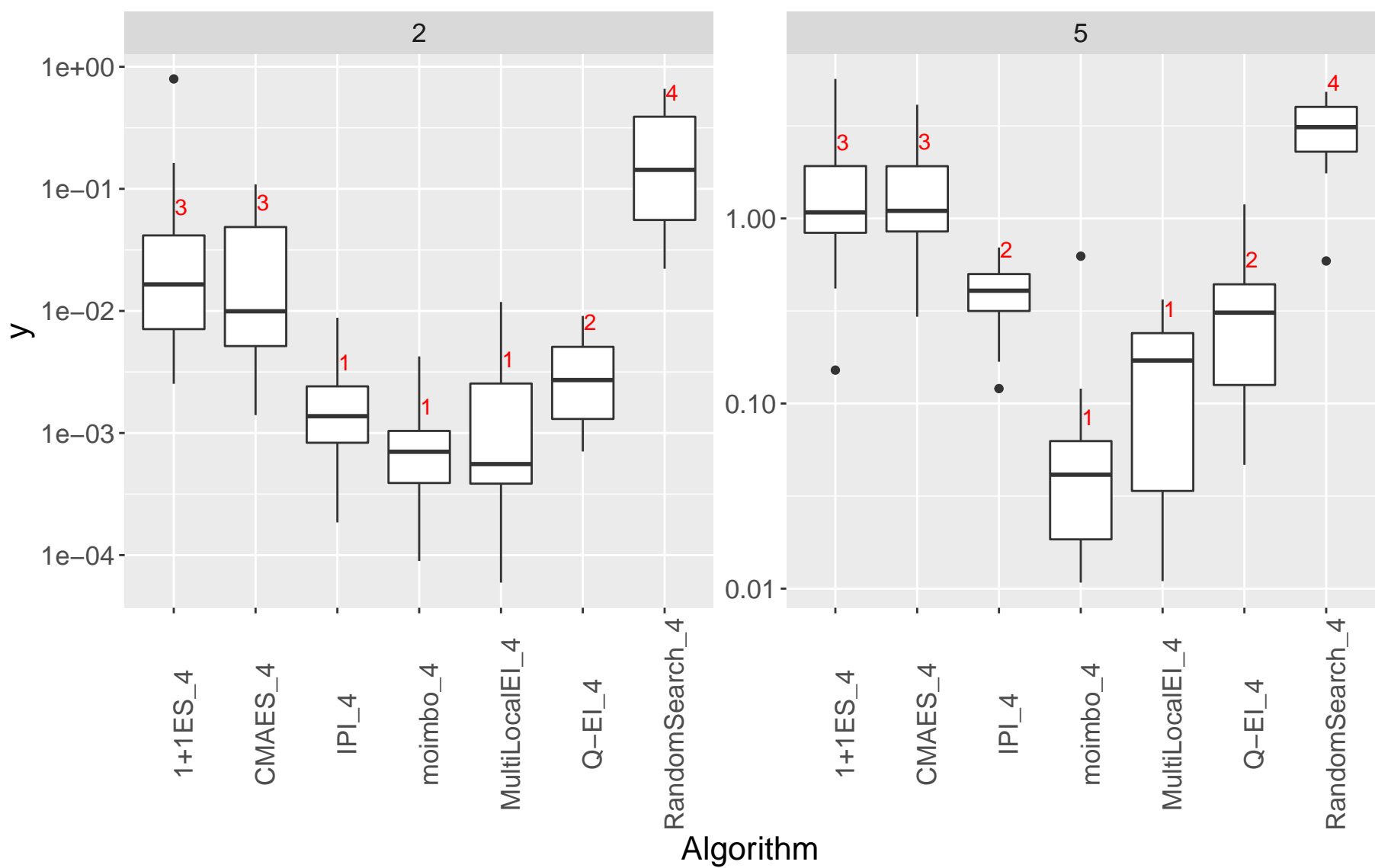




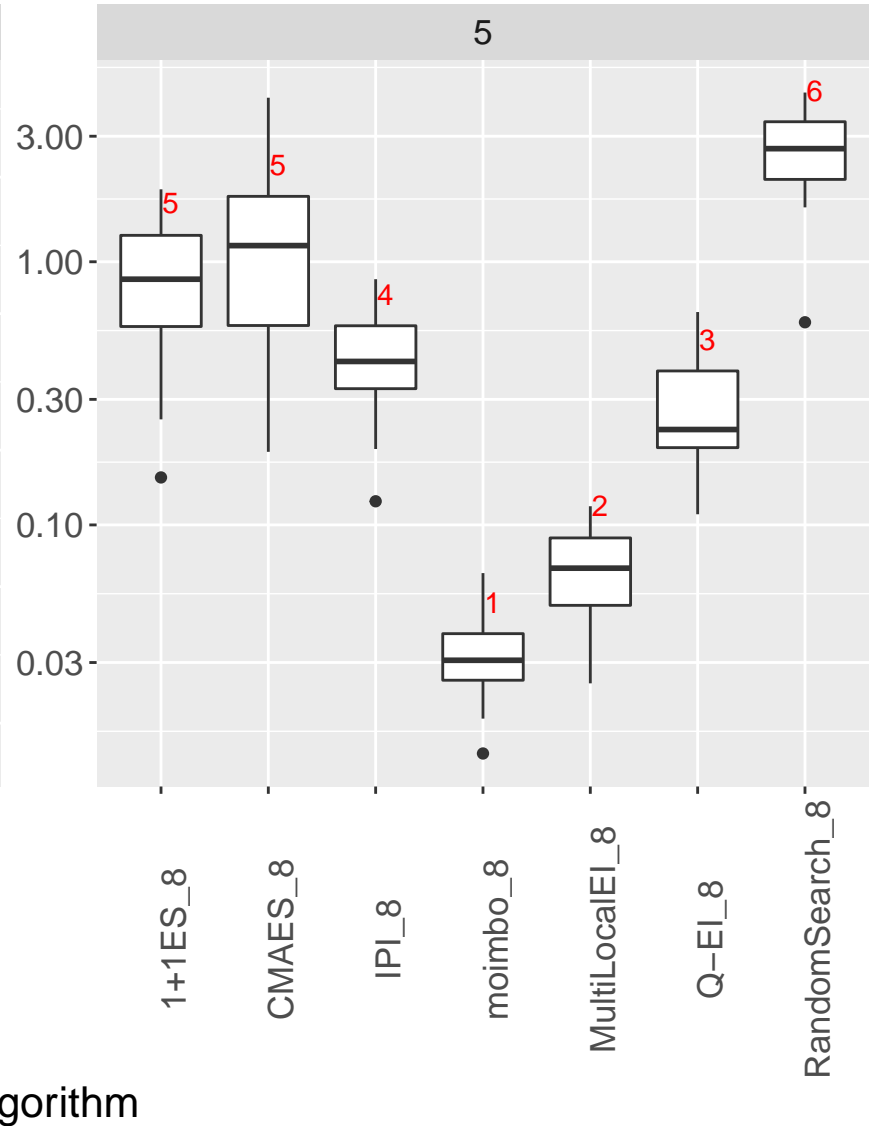
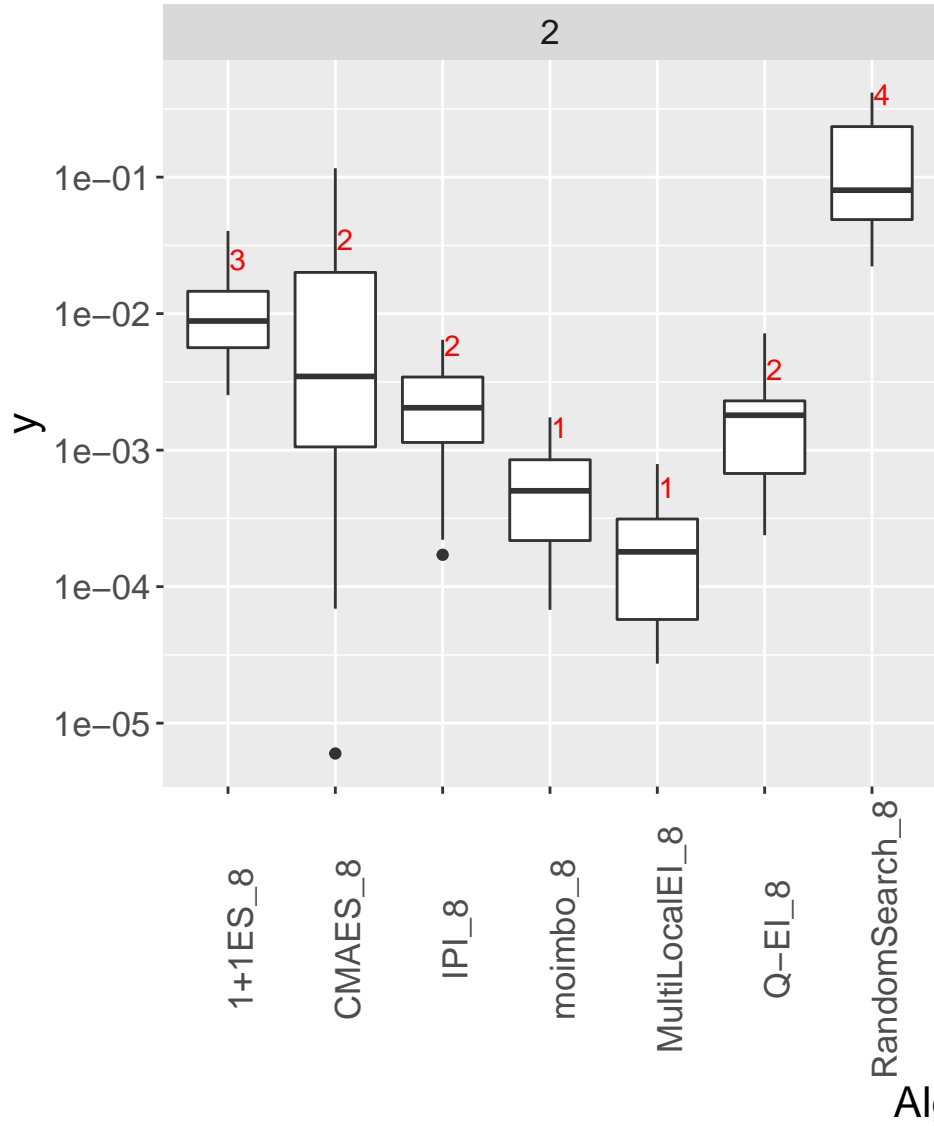
FunID: 14 – BatchSize: 2
Evaluation:



FunID: 14 – BatchSize: 4
Evaluation:



FunID: 14 – BatchSize: 8
Evaluation:



y

1e+01
1e-01
1e-03

2

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

Algorithm

5

50

30

10

5

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

1+1ES_16

CMAES_16

IPI_16

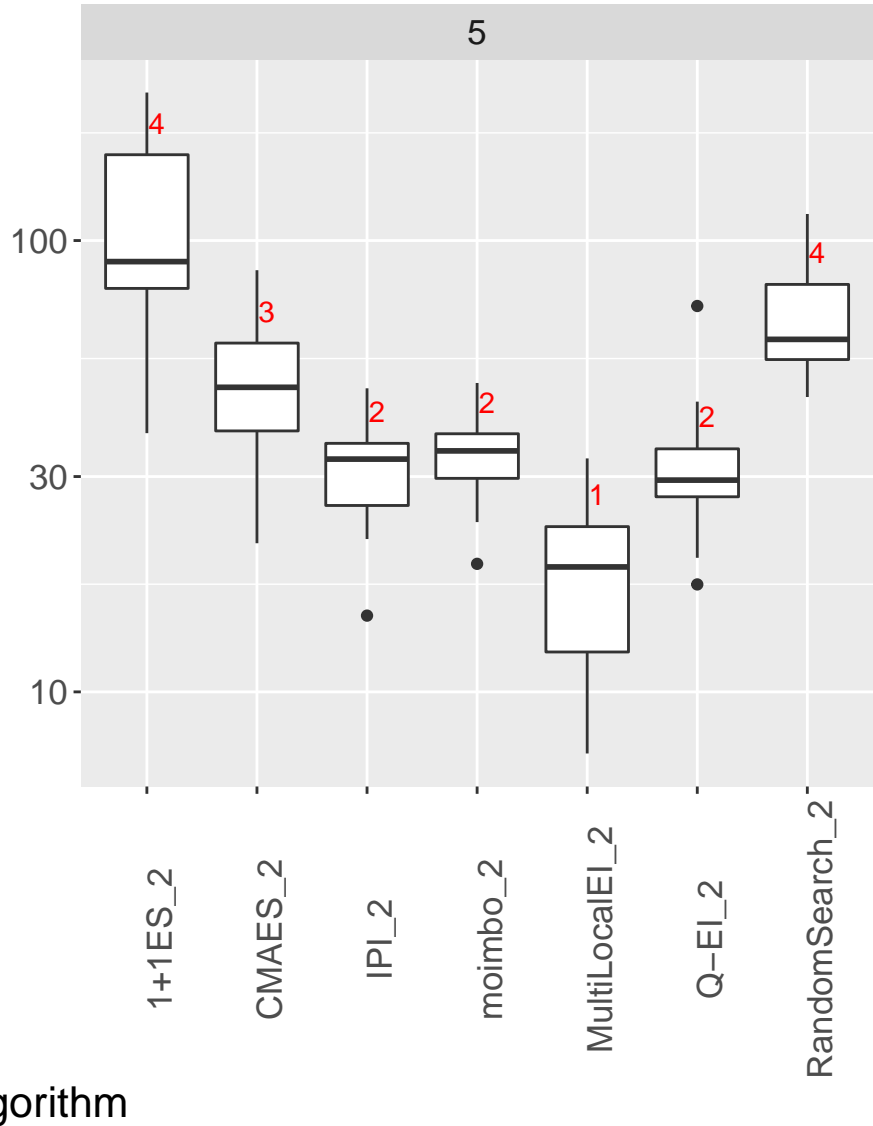
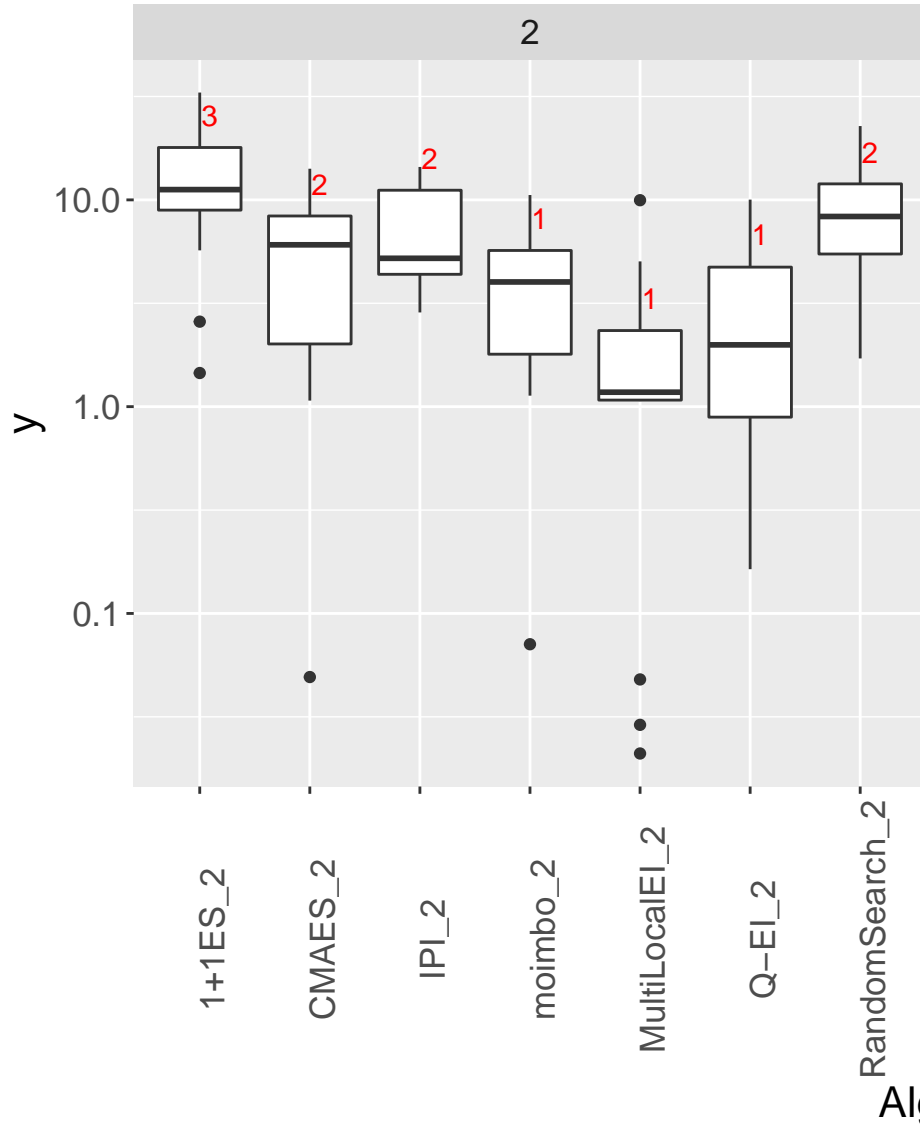
moimbo_16

MultiLocalEI_16

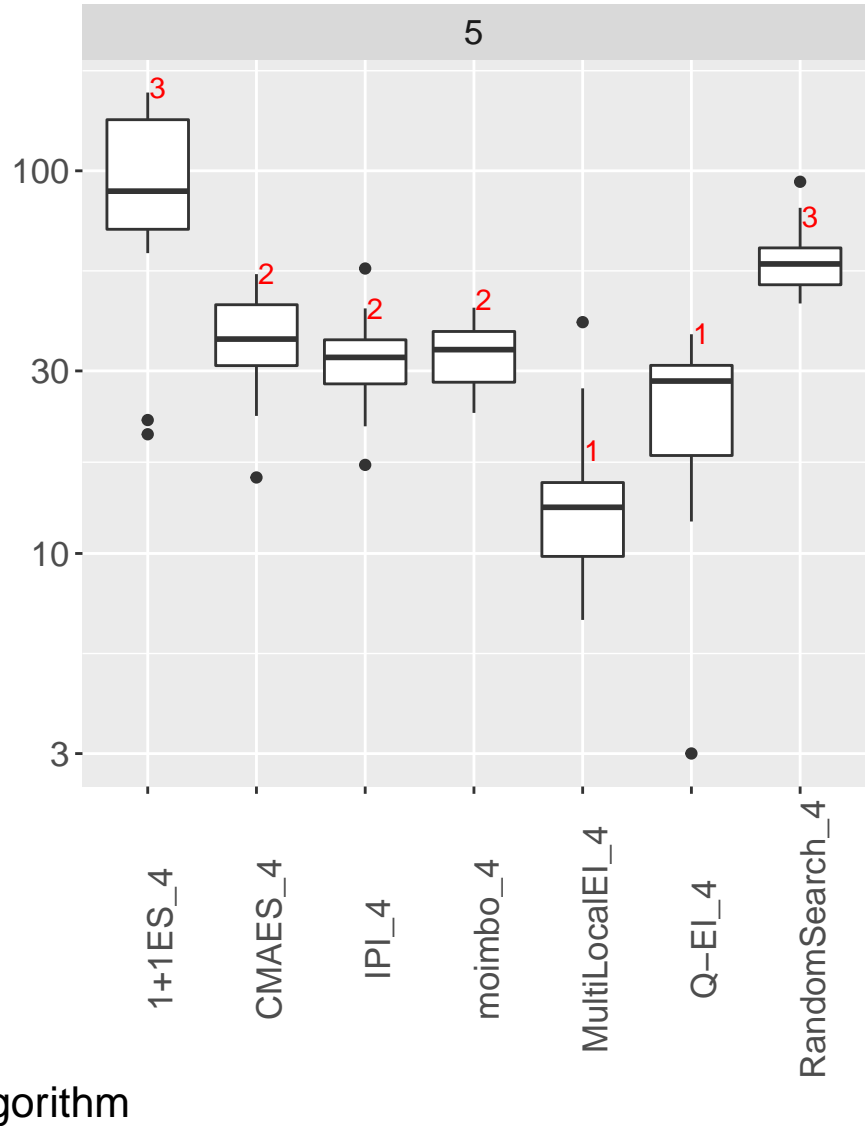
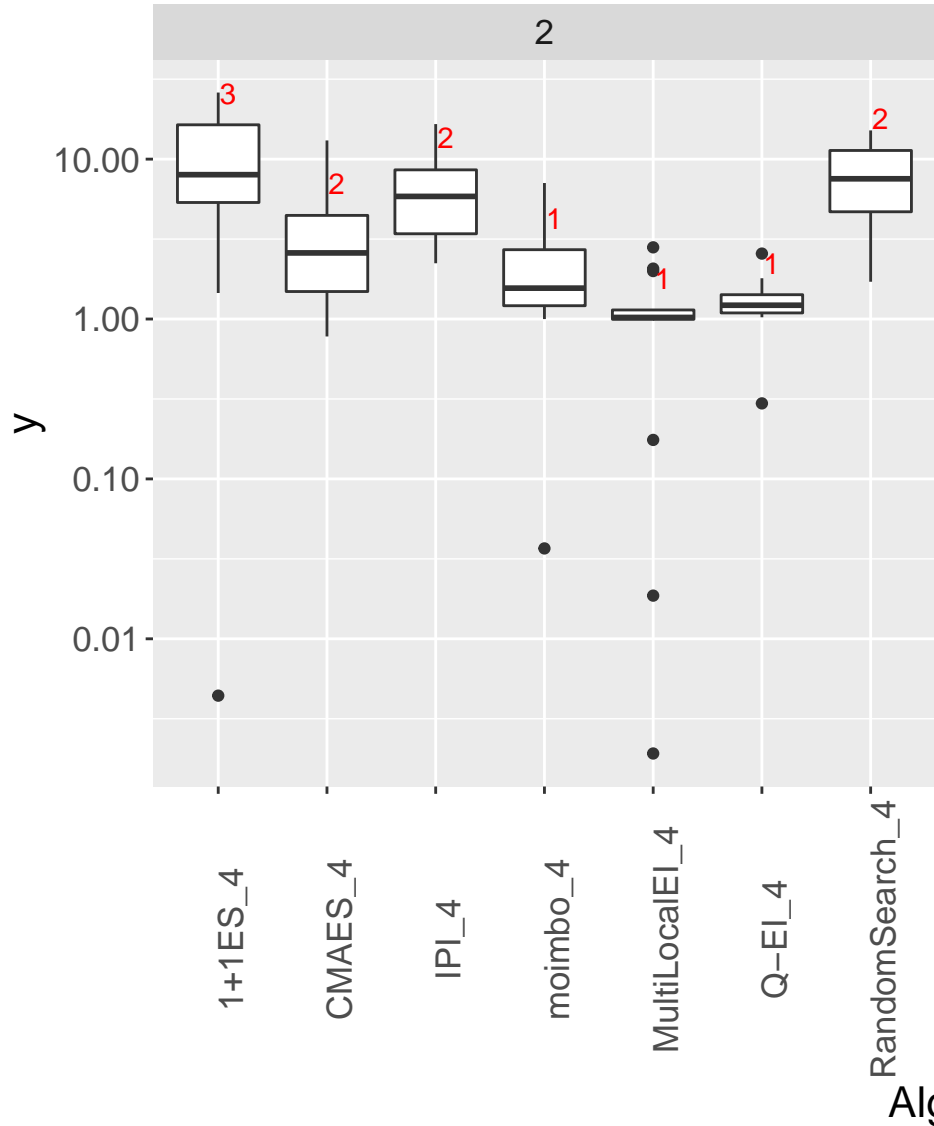
Q-EI_16

RandomSearch_16

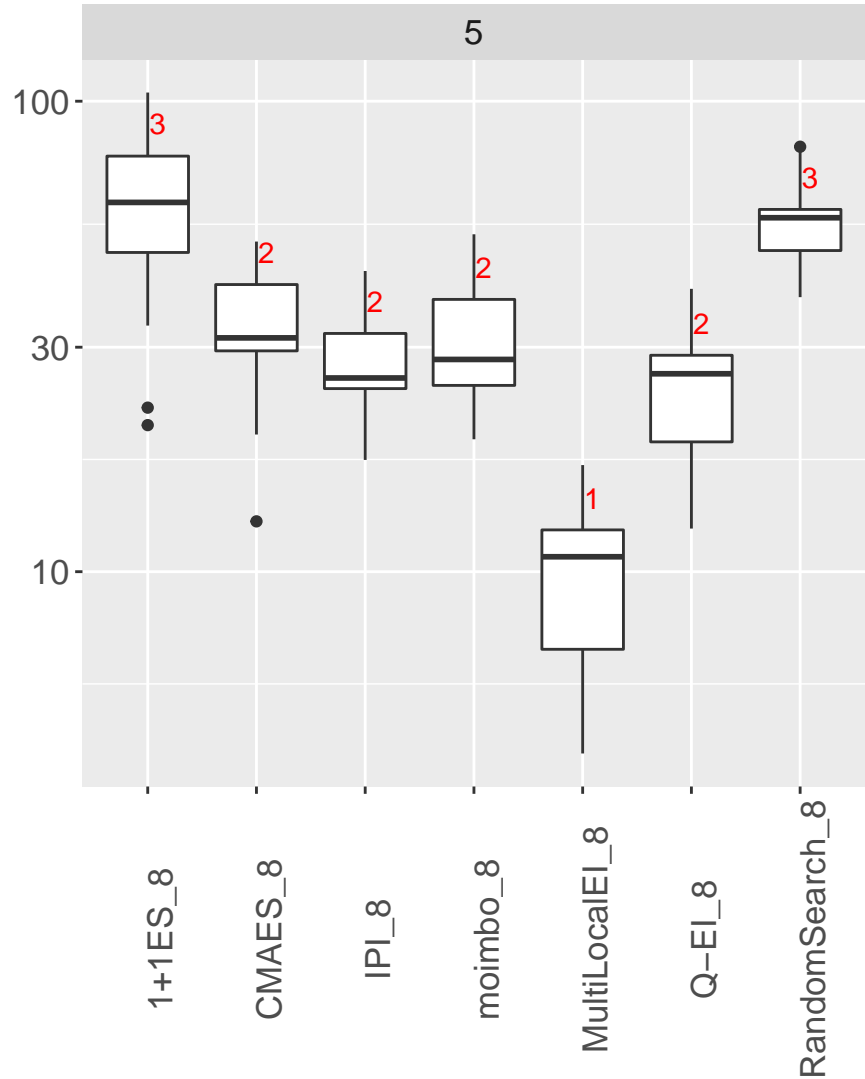
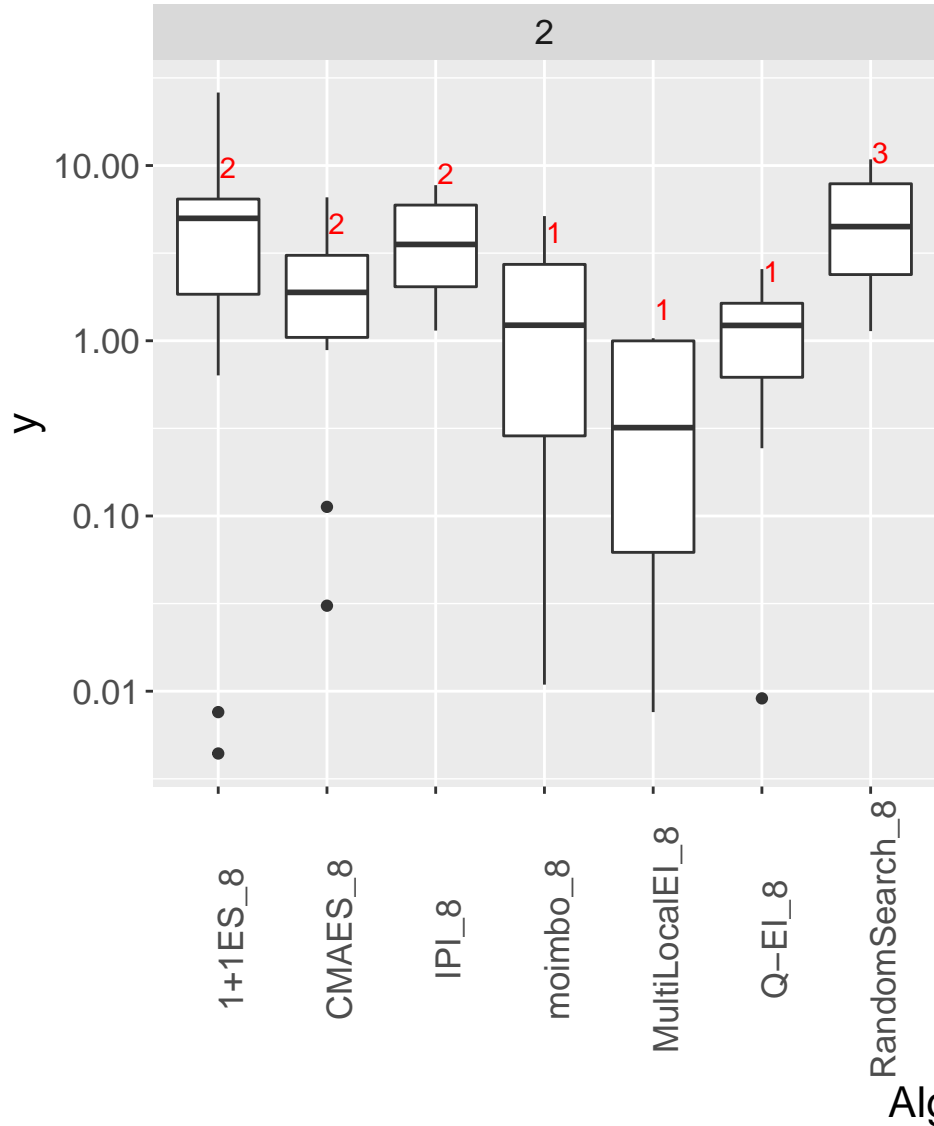
FunID: 15 – BatchSize: 2
Evaluation:



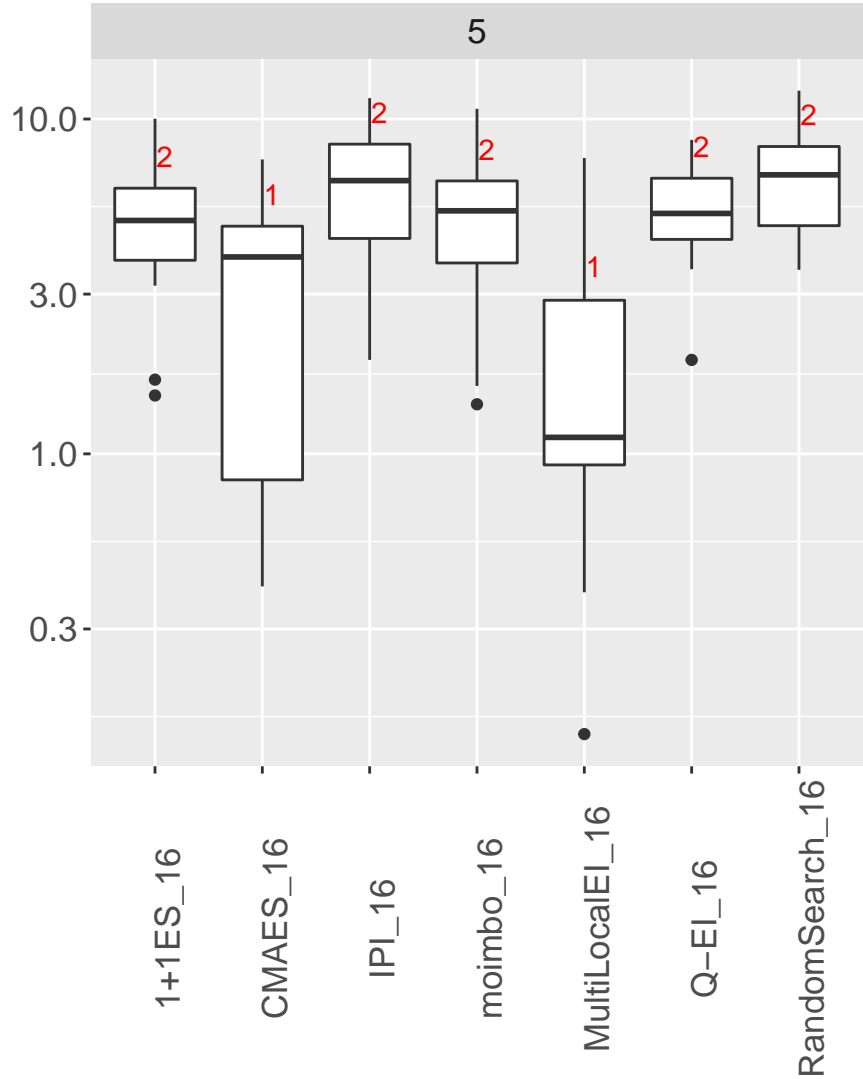
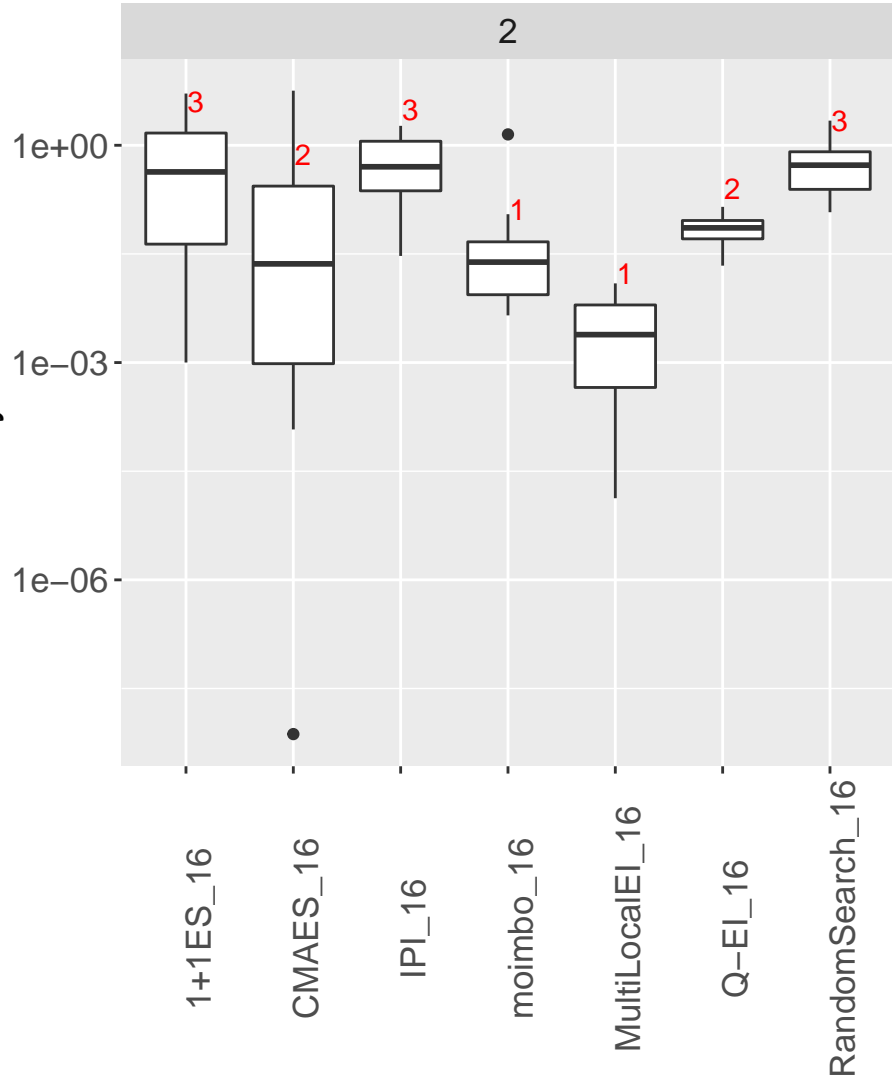
FunID: 15 – BatchSize: 4
Evaluation:



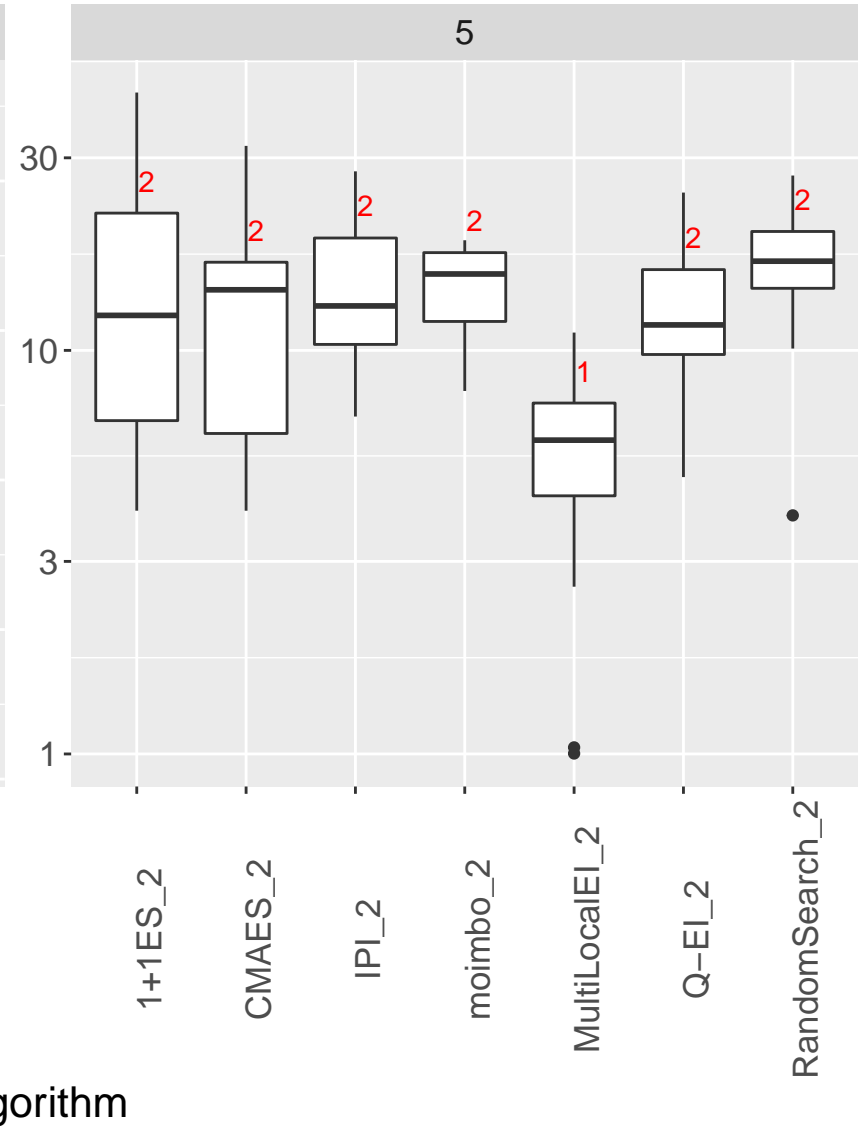
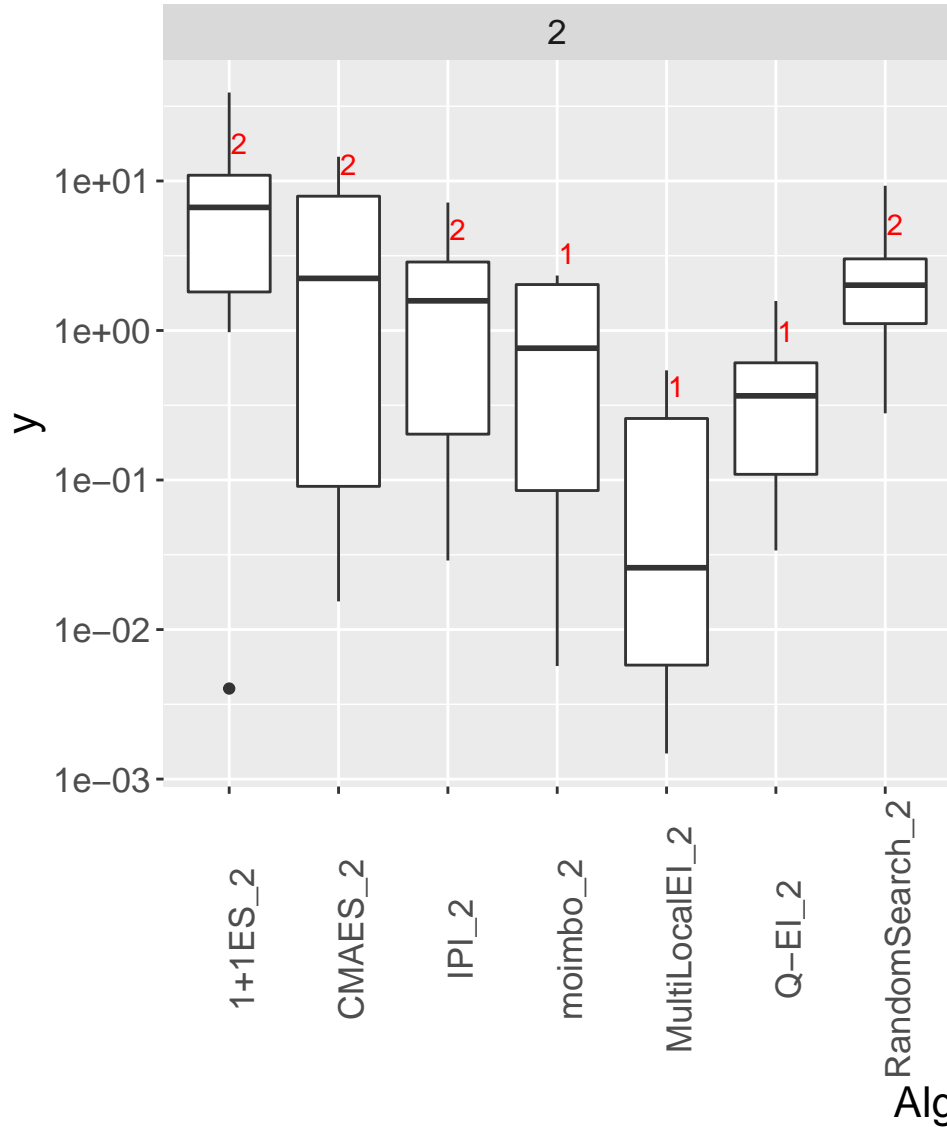
FunID: 15 – BatchSize: 8
Evaluation:

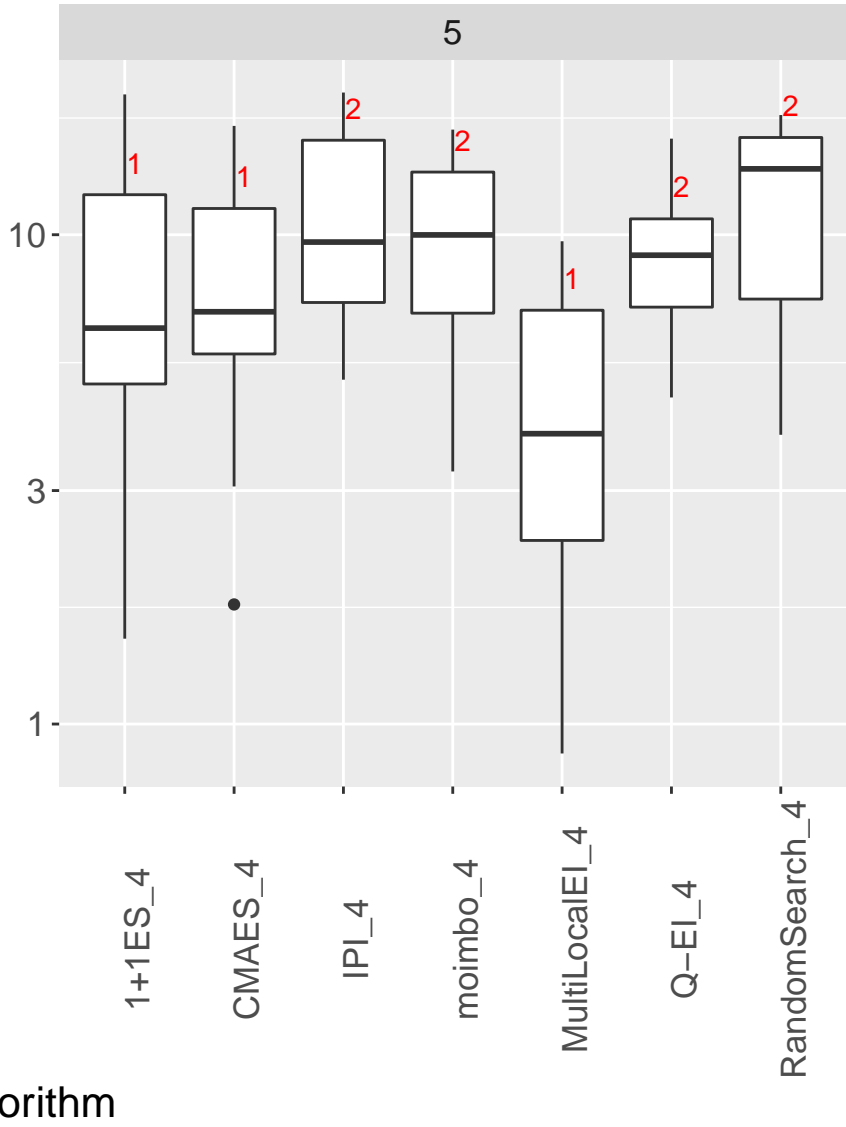
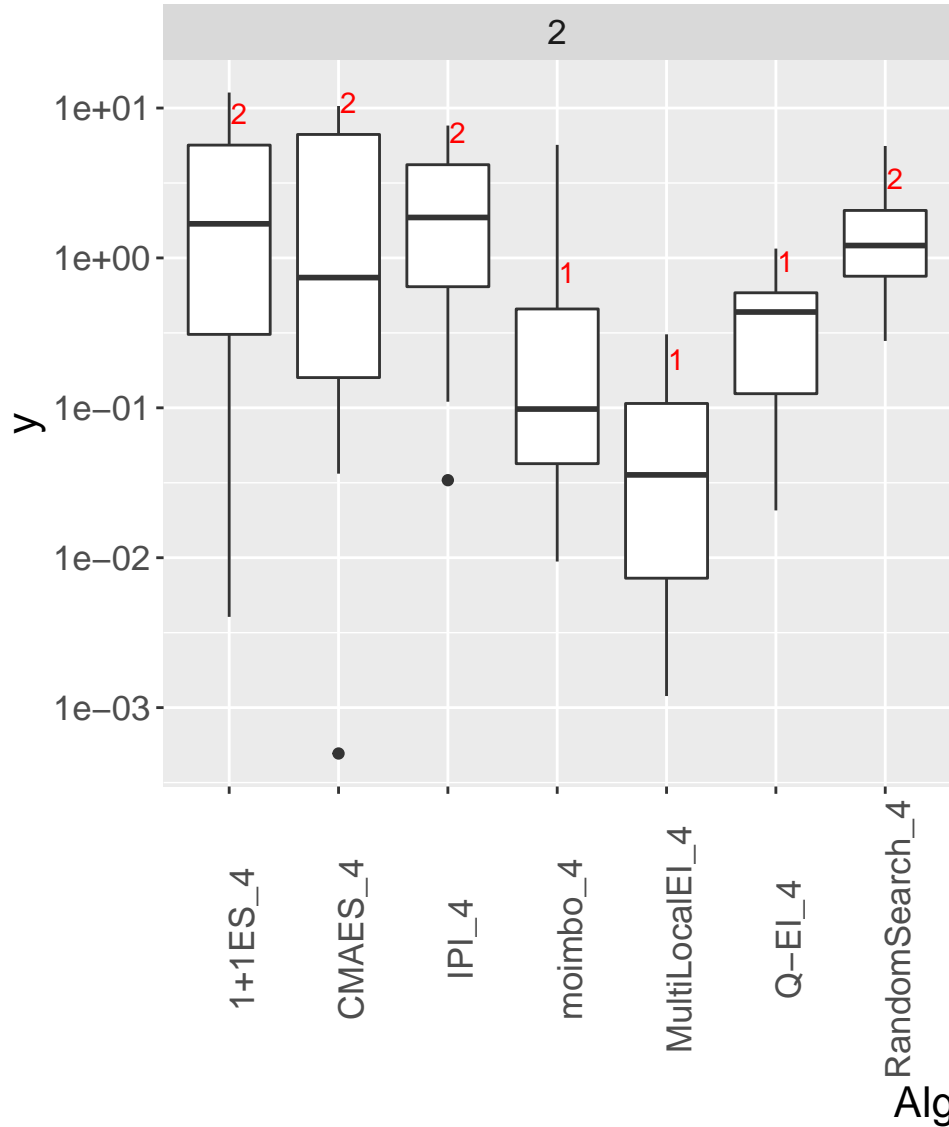


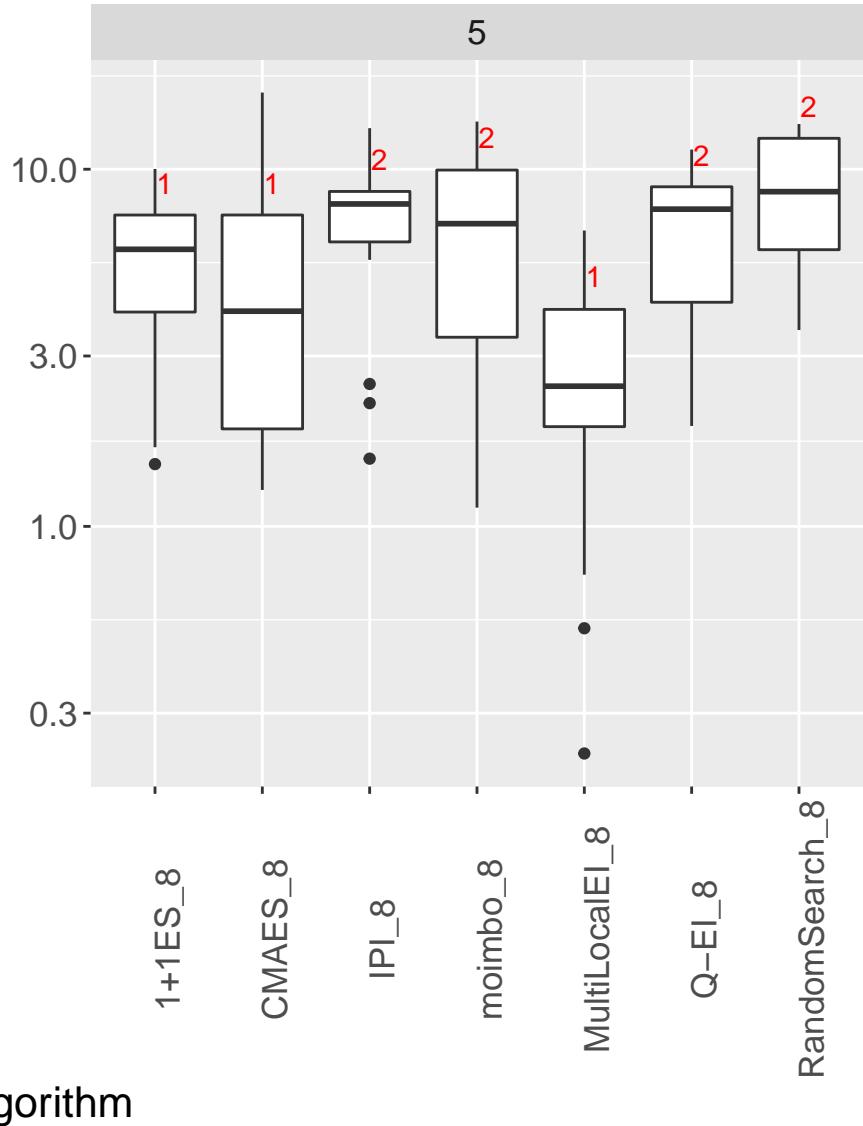
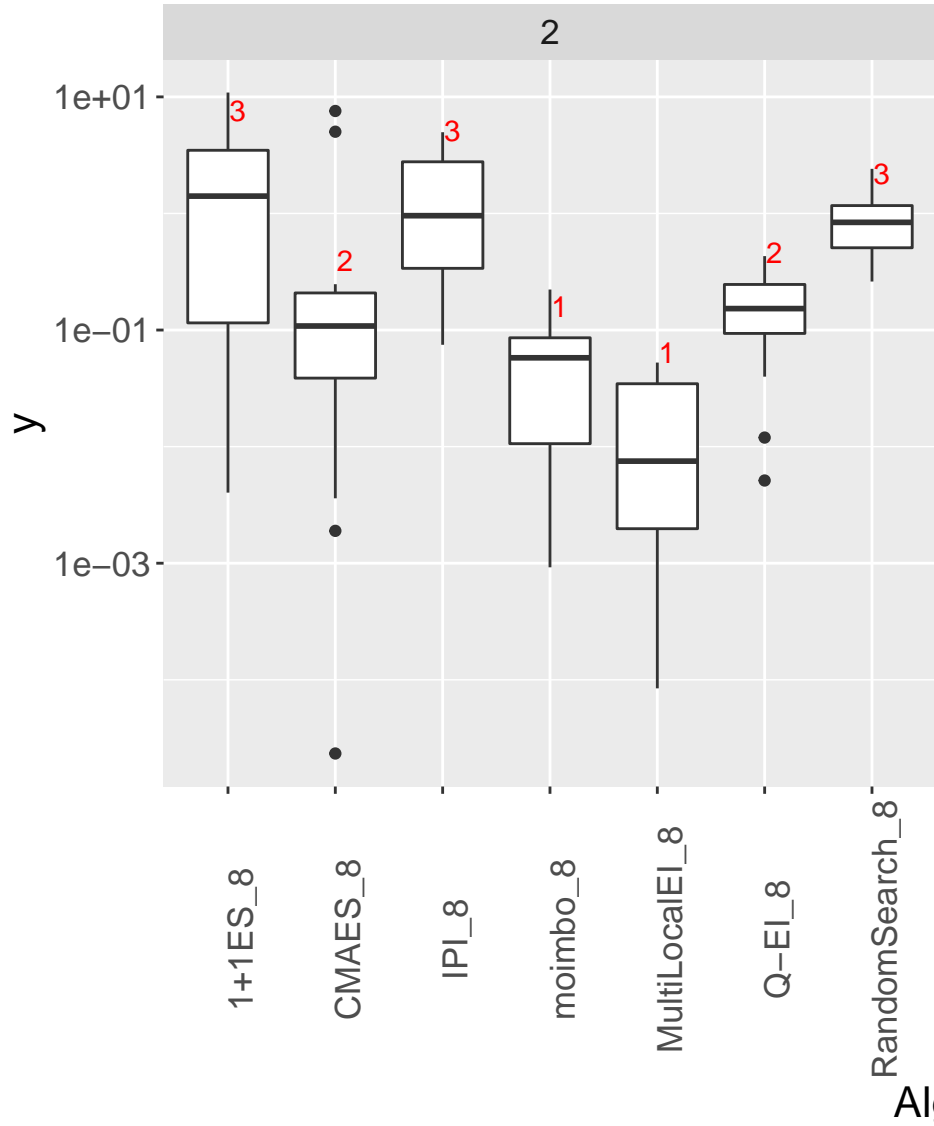
y

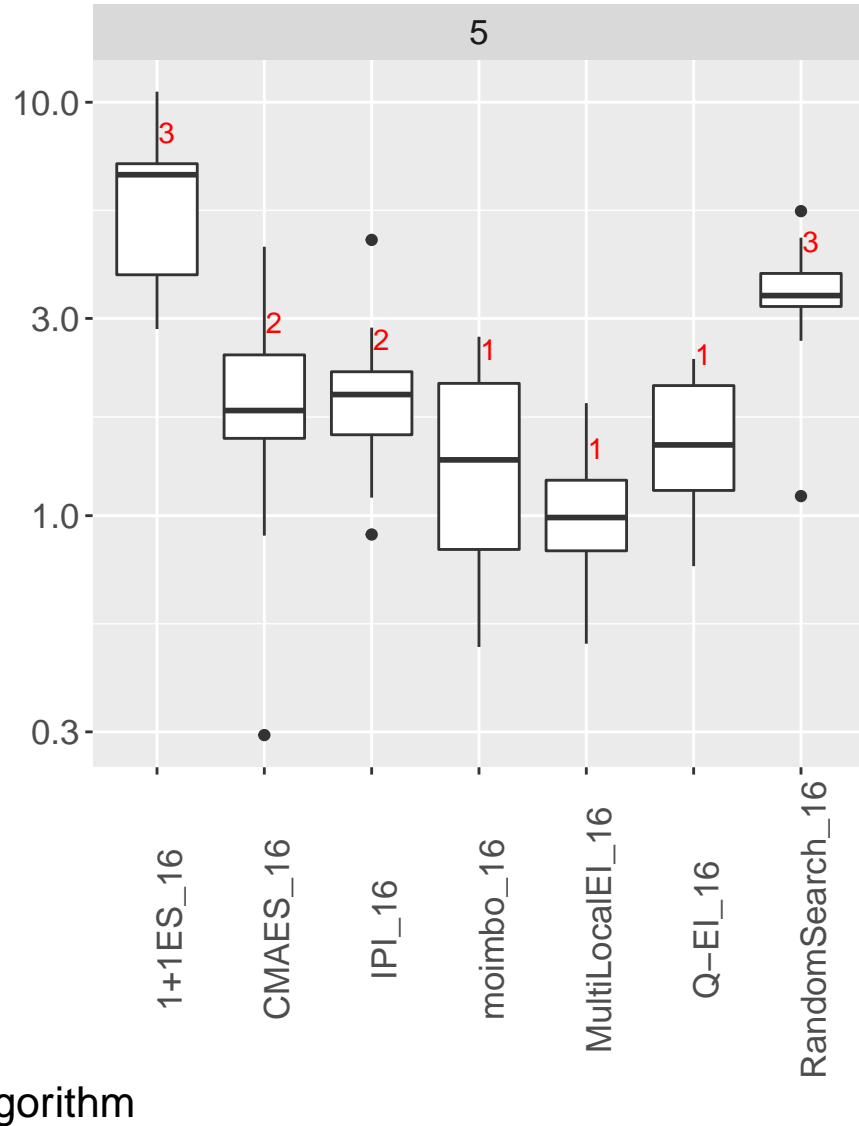
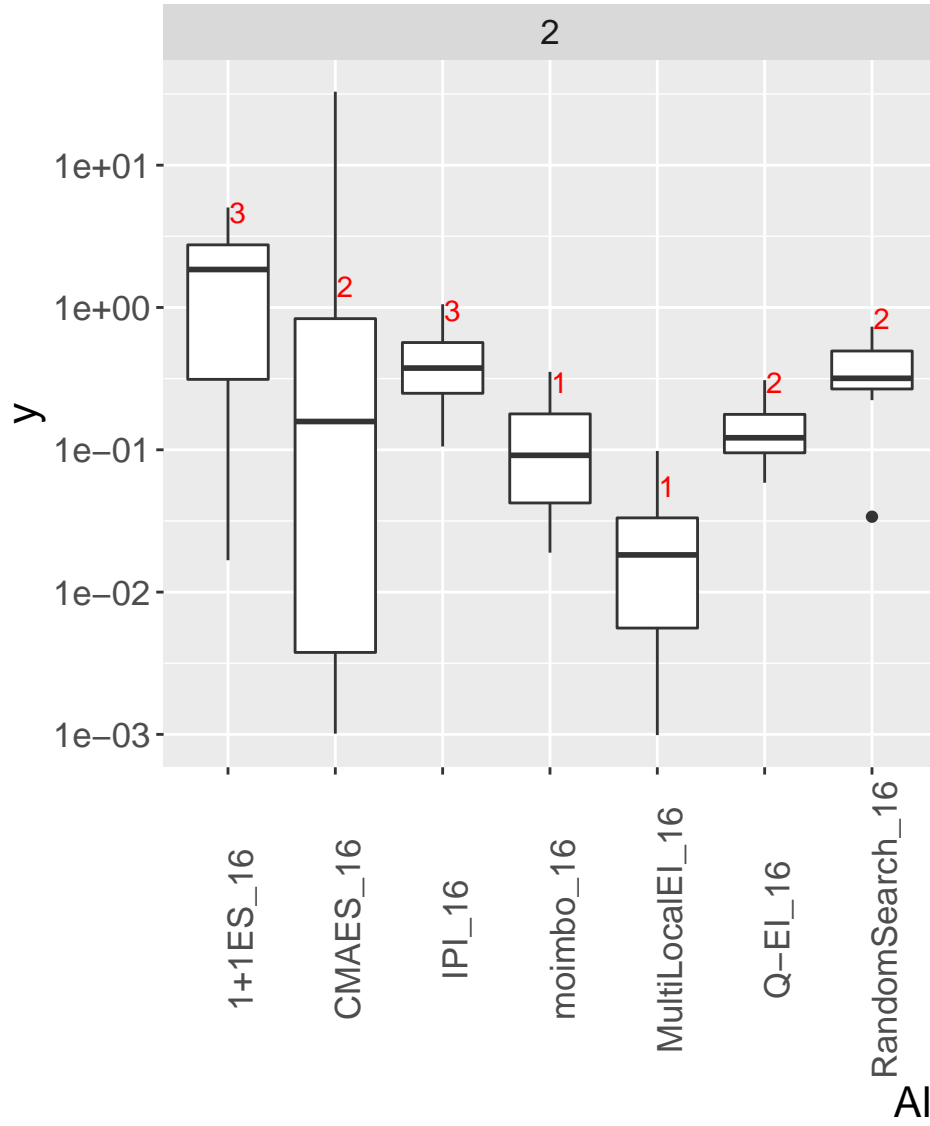


FunID: 16 – BatchSize: 2
Evaluation:

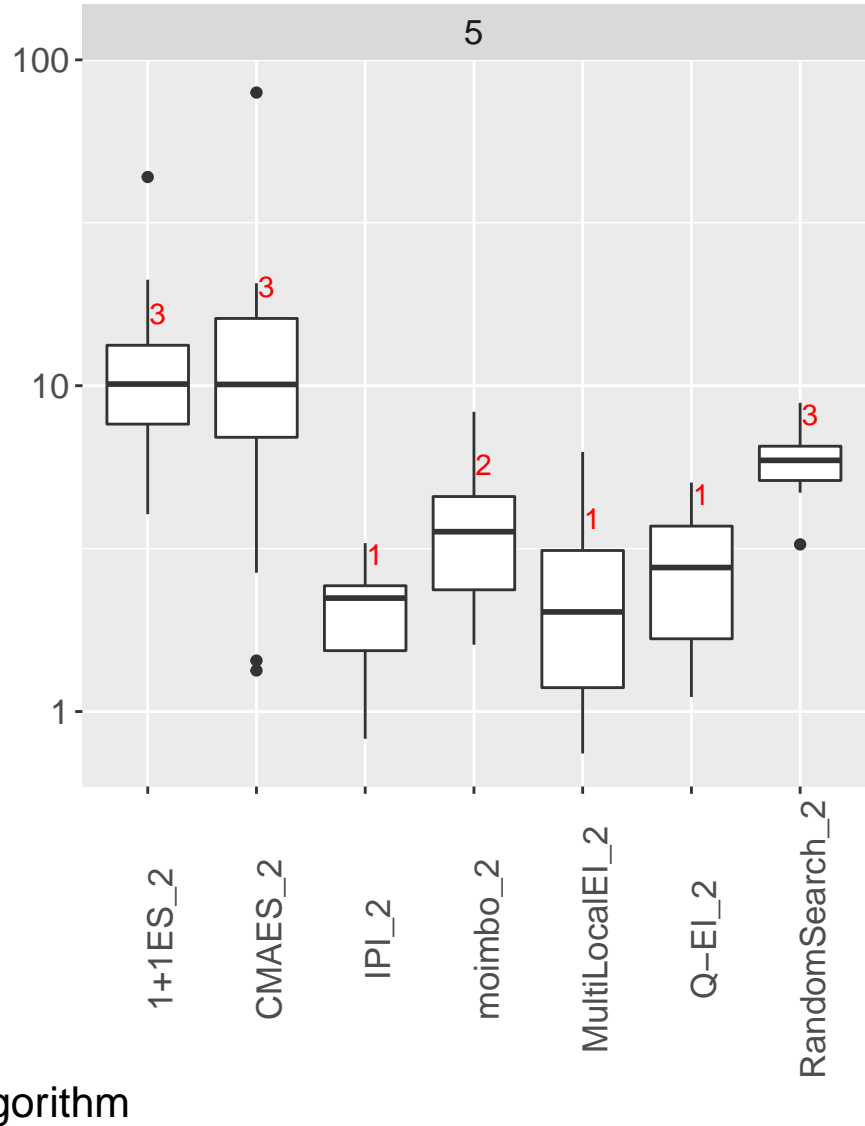
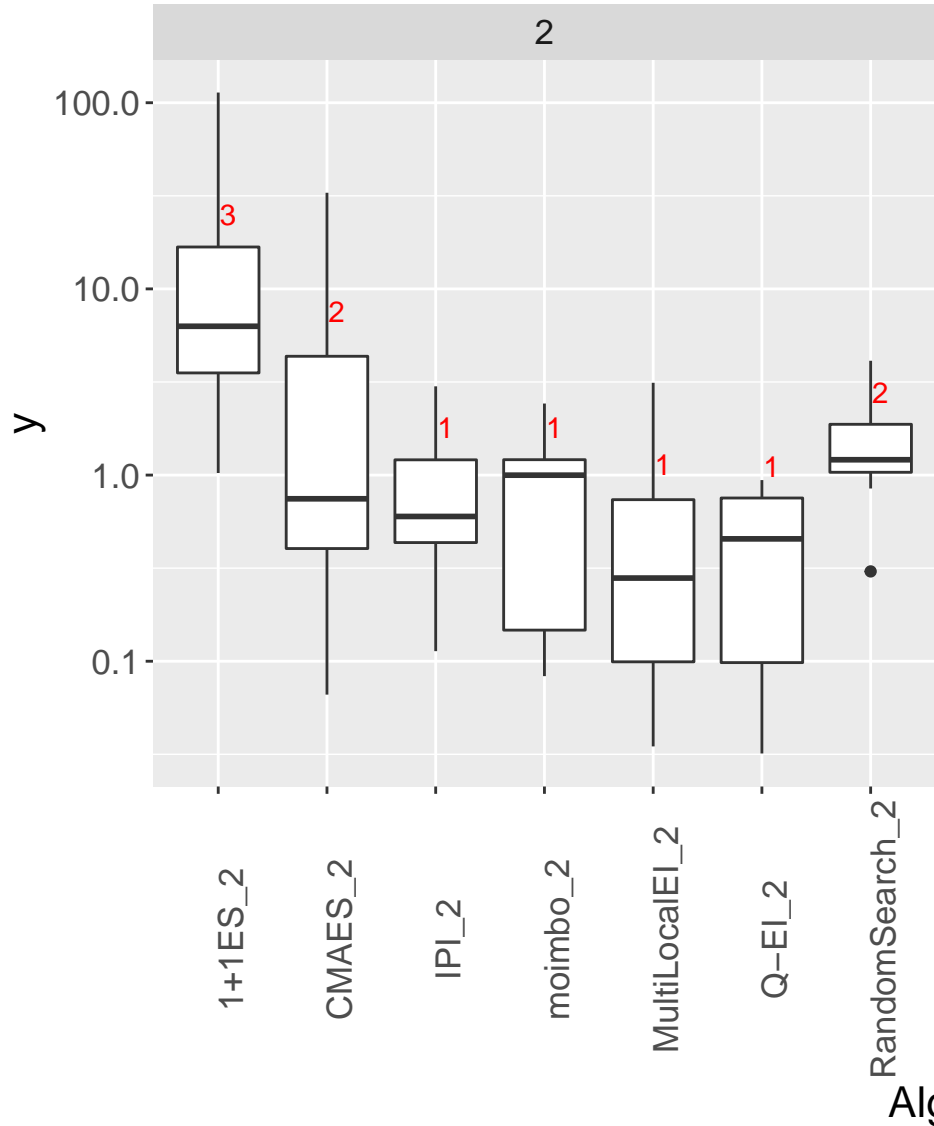




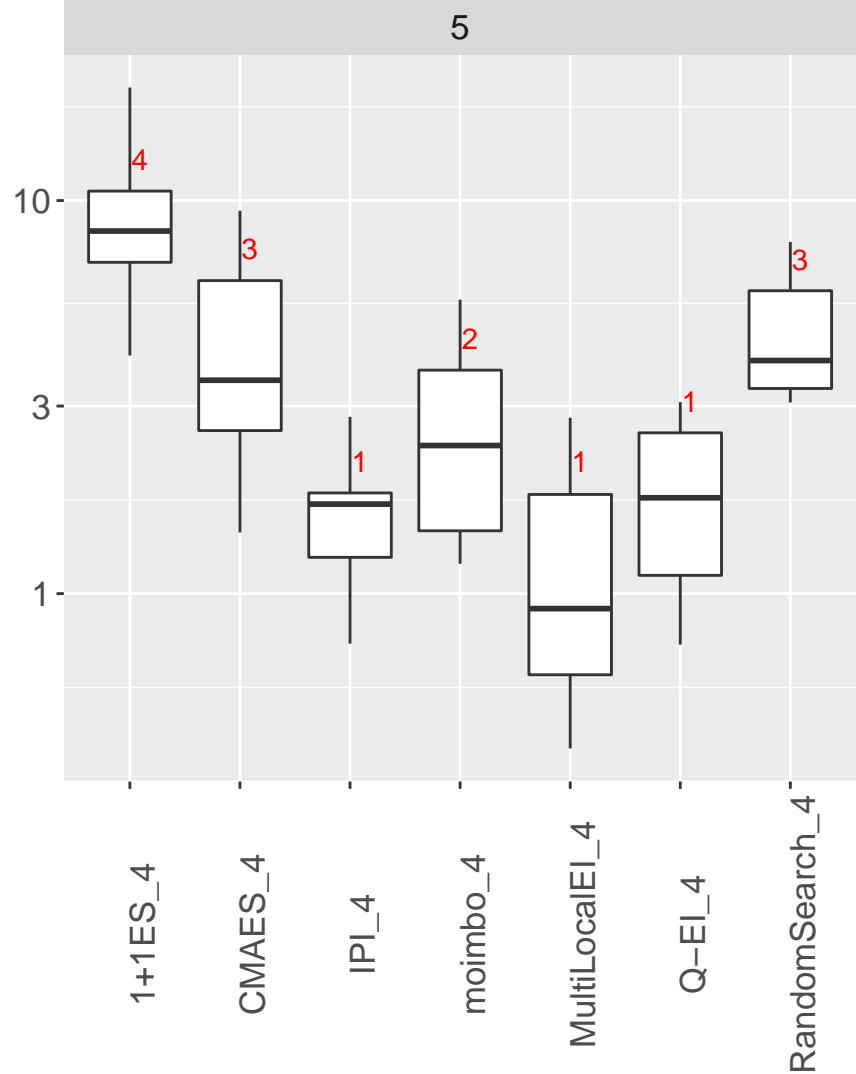
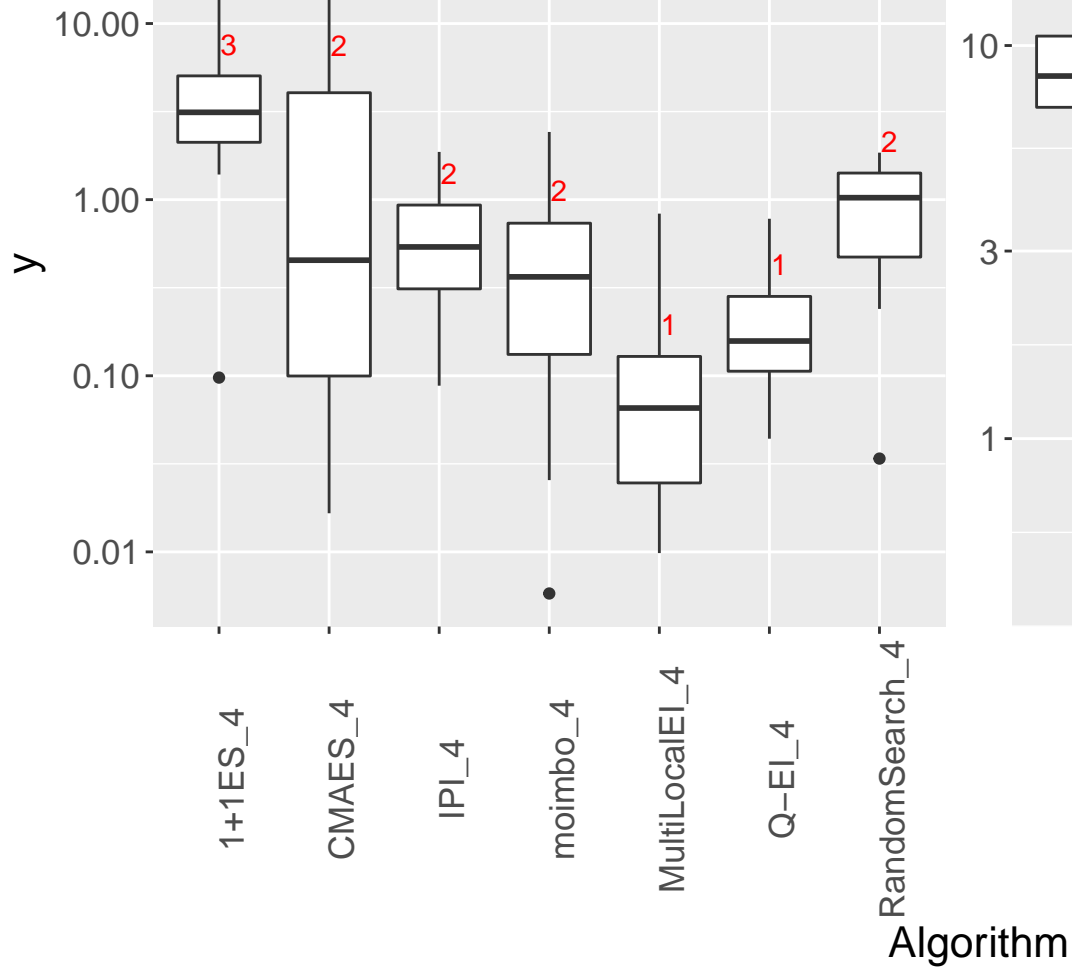




FunID: 17 – BatchSize: 2
Evaluation:



FunID: 17 – BatchSize: 4
Evaluation:



FunID: 17 – BatchSize: 8
Evaluation:

y

10.00
1.00
0.10
0.01

2

1+1ES_8

CMAES_8

IPI_8

moimbo_8

MultiLocalEI_8

Q-EI_8

RandomSearch_8

Algorithm

10.0

3.0

1.0

0.3

5

1+1ES_8

CMAES_8

IPI_8

moimbo_8

MultiLocalEI_8

Q-EI_8

RandomSearch_8

3

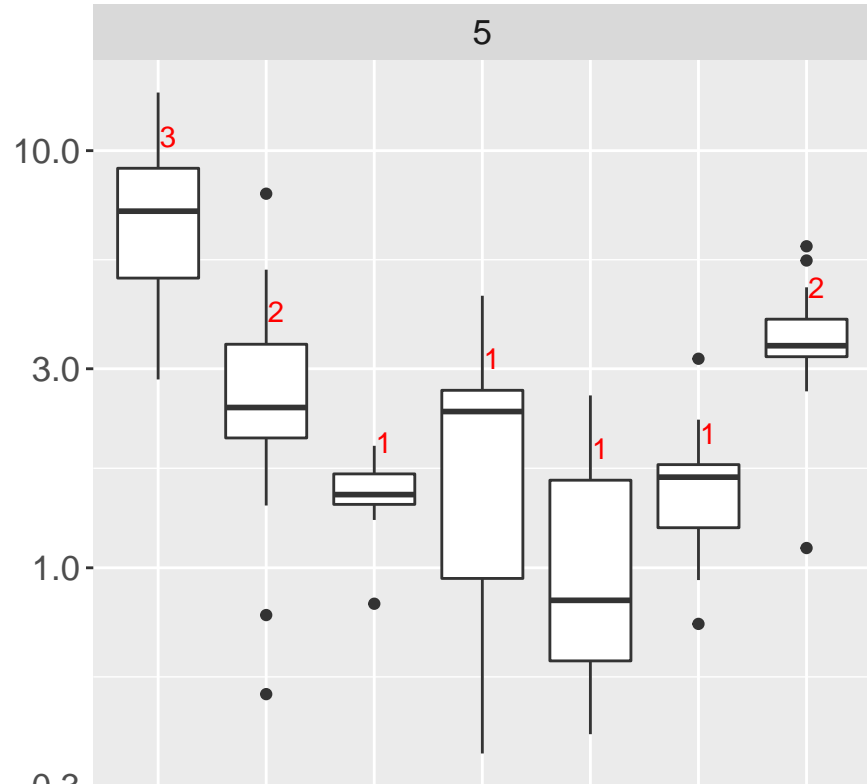
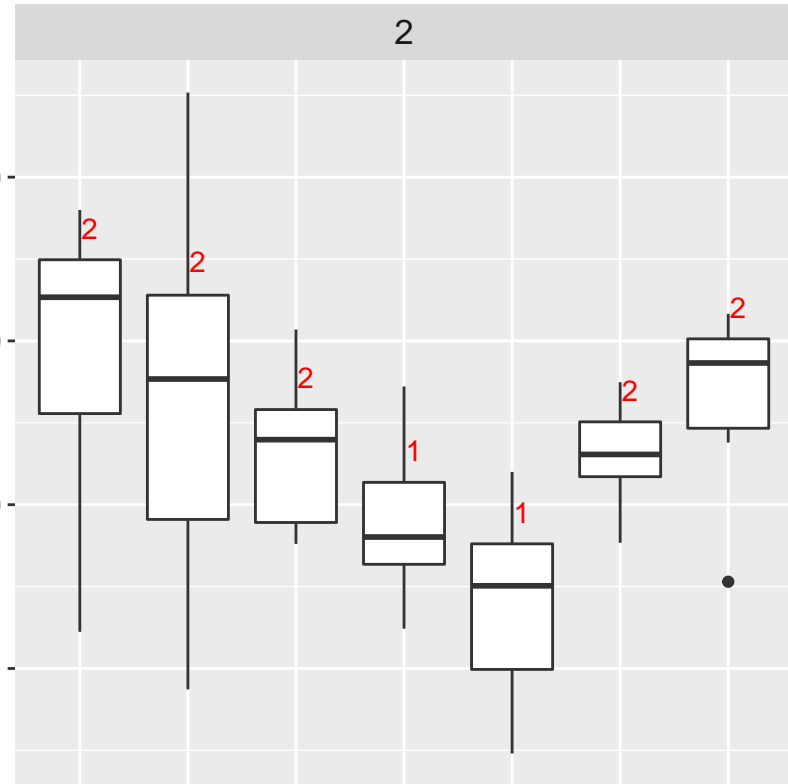
2

1

1

1

2



y

1e+02
1e+00
1e-02

2

1+1ES_16

CMAES_16

IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16

Algorithm

5

30

10

3

1

1+1ES_16

CMAES_16

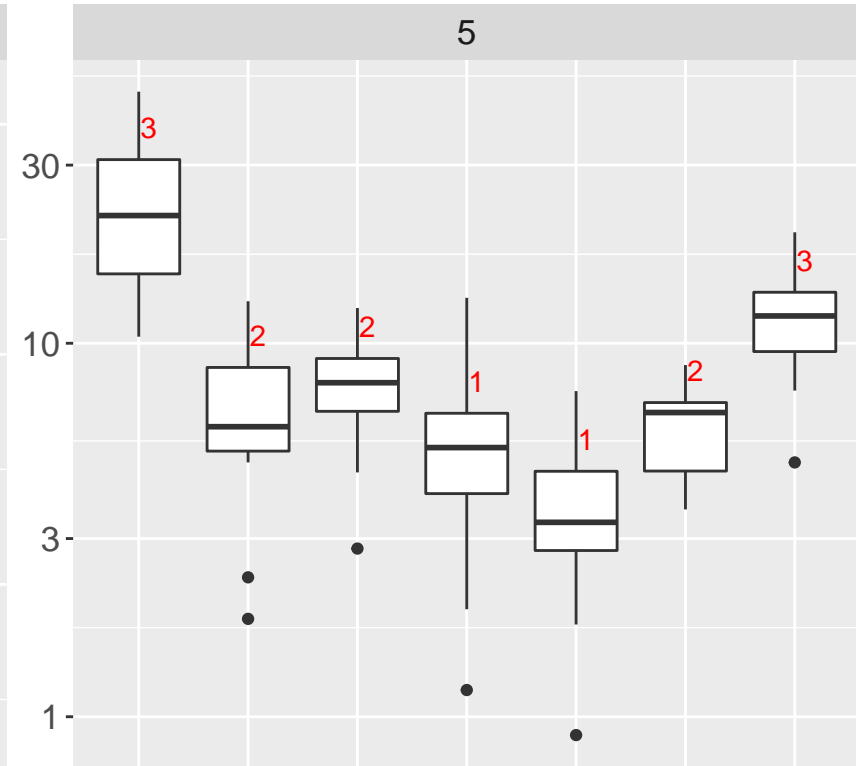
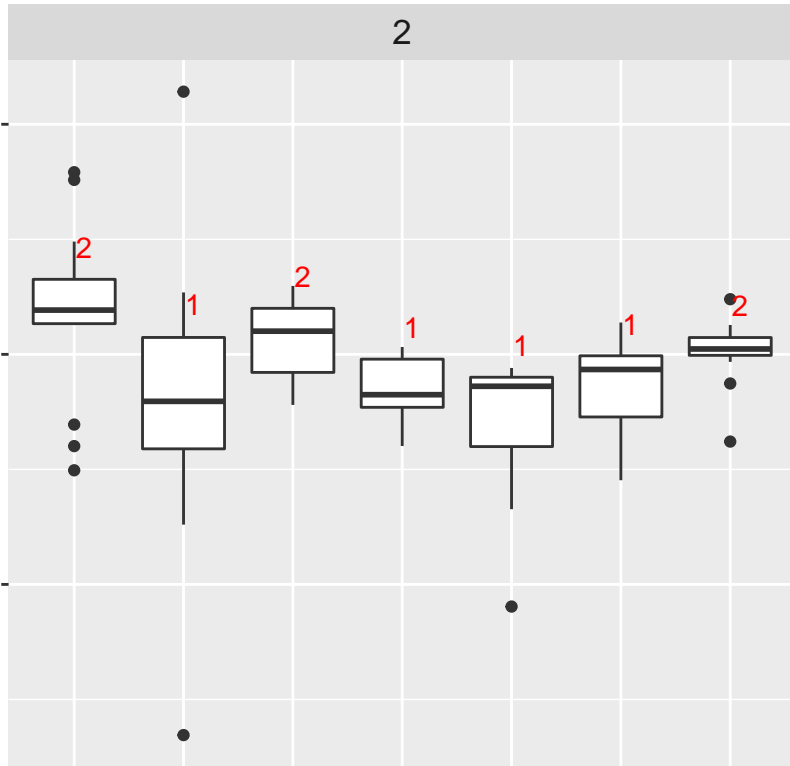
IPI_16

moimbo_16

MultiLocalEI_16

Q-EI_16

RandomSearch_16



FunID: 18 – BatchSize: 2
Evaluation:

y

1000
100
10
1

2

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

Algorithm

100
10
1

5

1+1ES_2

CMAES_2

IPI_2

moimbo_2

MultiLocalEI_2

Q-EI_2

RandomSearch_2

2

2

1

1

1

1

2

3

3

1

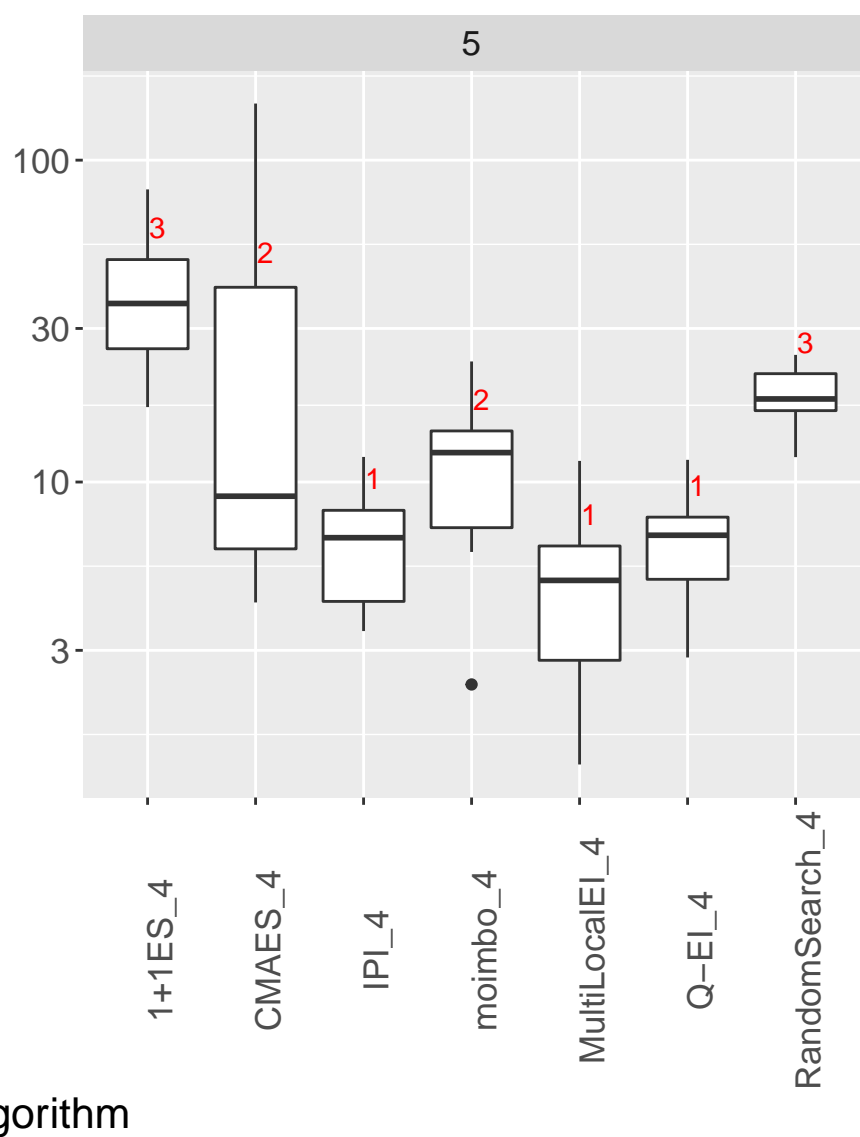
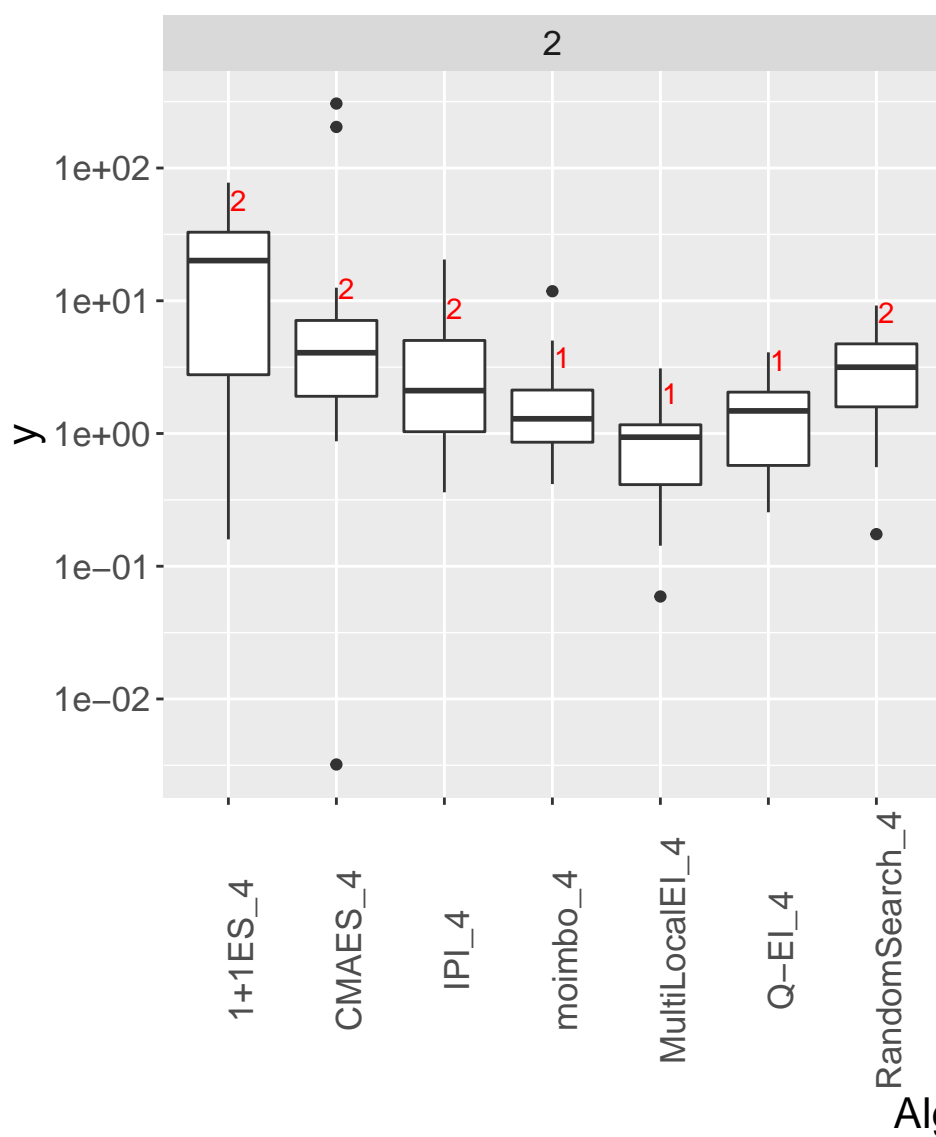
2

1

1

3

FunID: 18 – BatchSize: 4
Evaluation:



FunID: 18 – BatchSize: 8
Evaluation:

y

100.0
10.0
1.0
0.1

2

1+1ES_8

CMAES_8

IPI_8

moimbo_8

MultiLocalEI_8

Q-EI_8

RandomSearch_8

Algorithm

5

1+1ES_8

CMAES_8

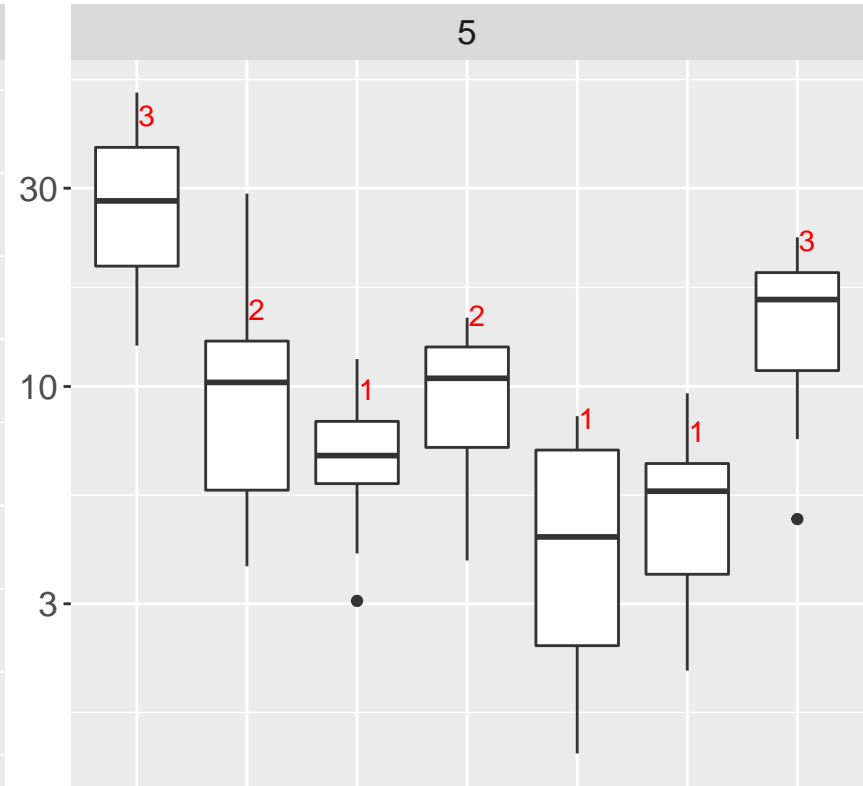
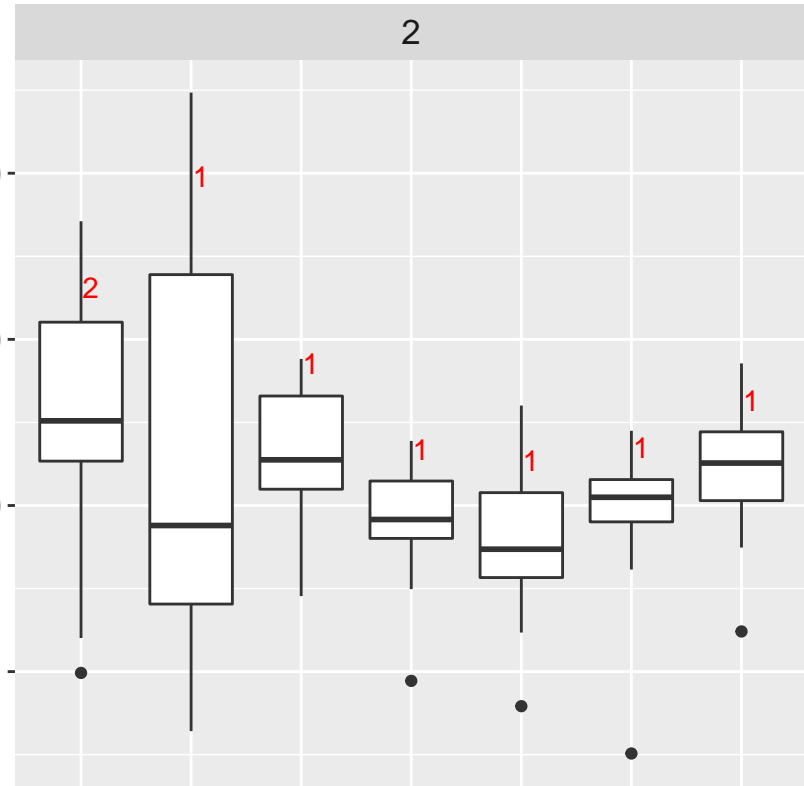
IPI_8

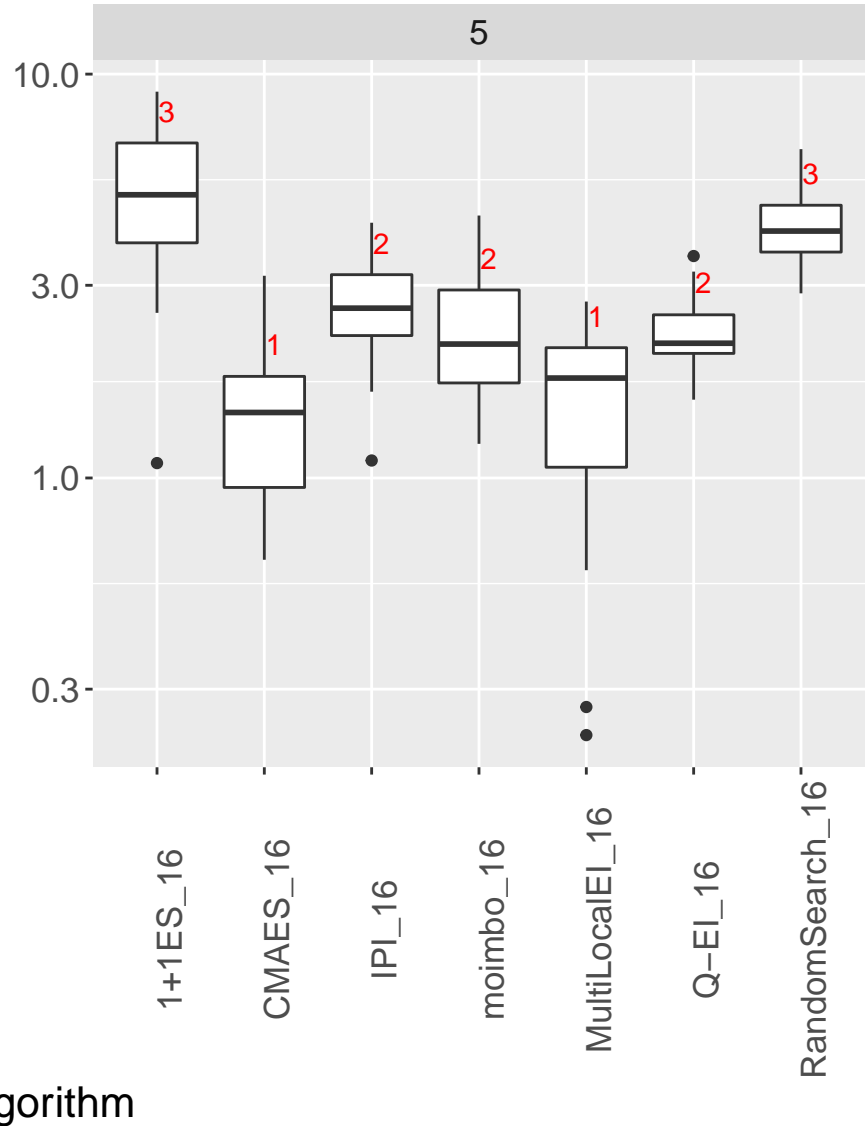
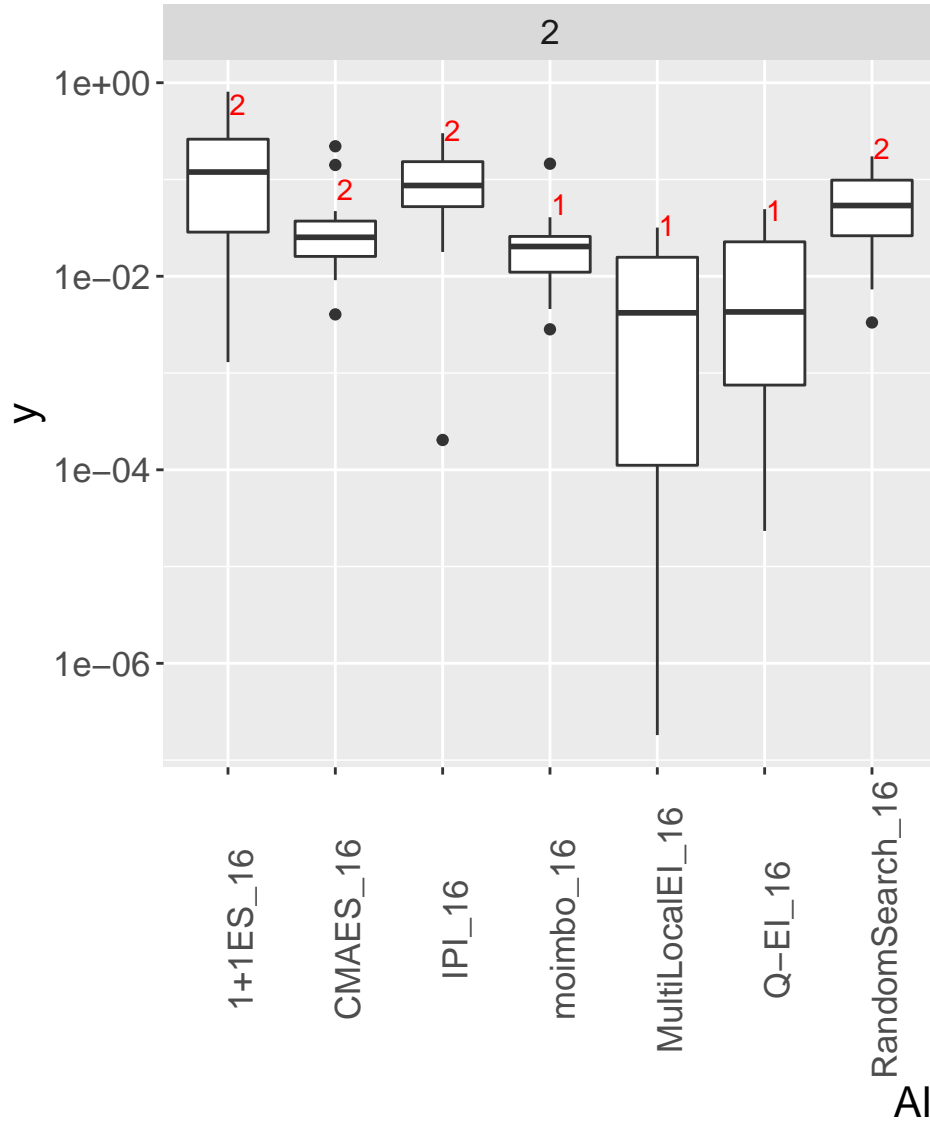
moimbo_8

MultiLocalEI_8

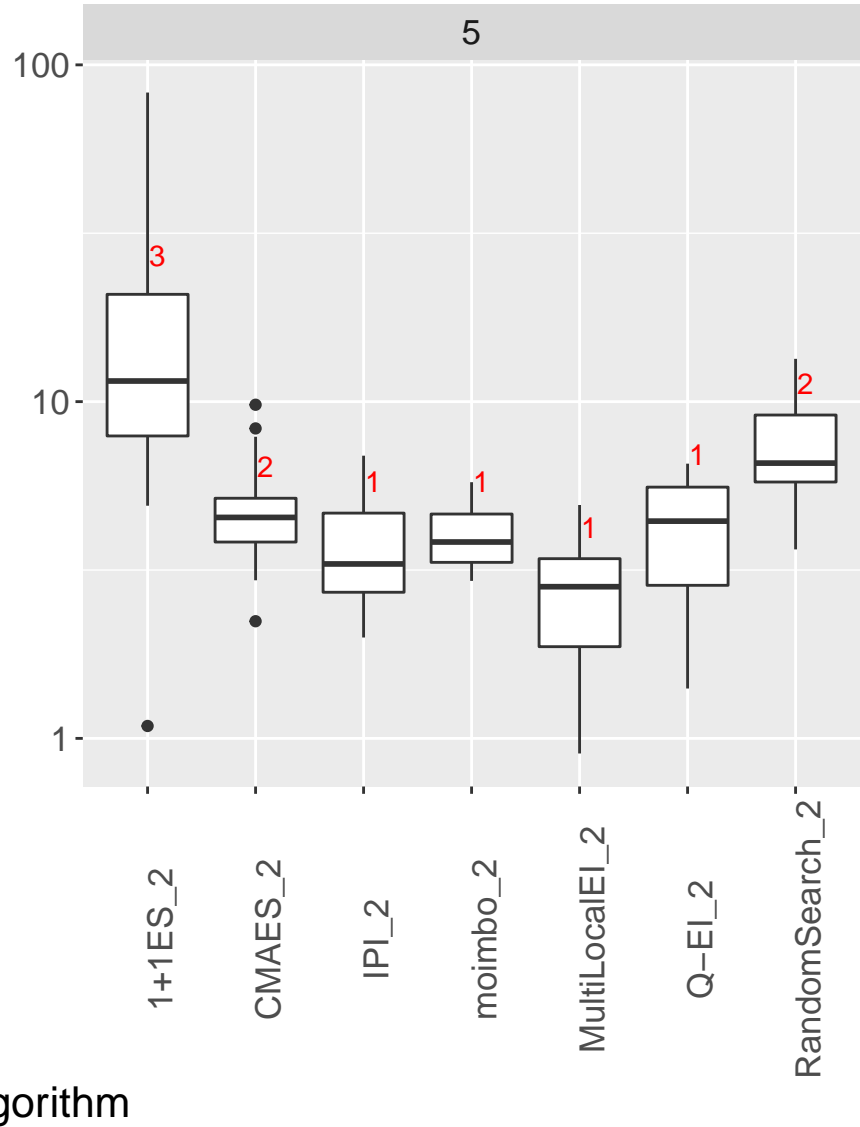
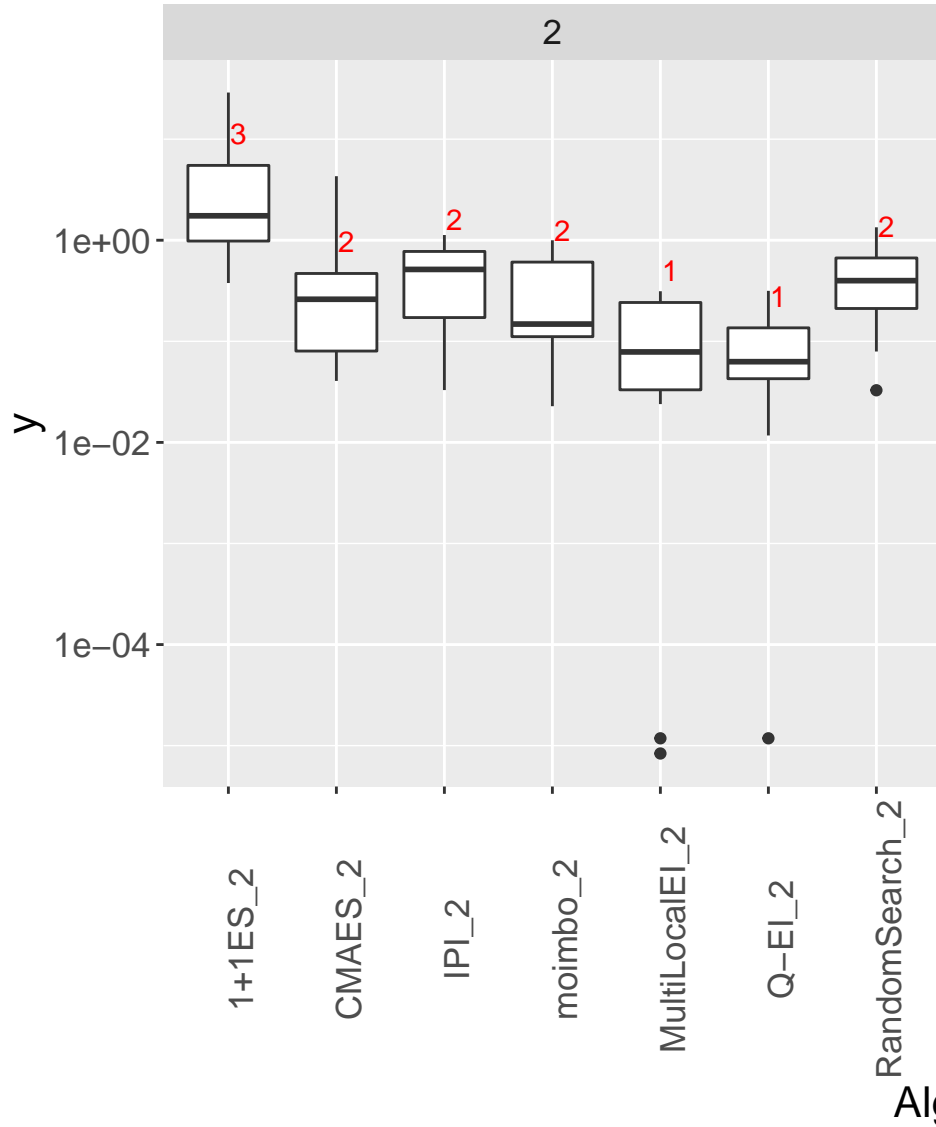
Q-EI_8

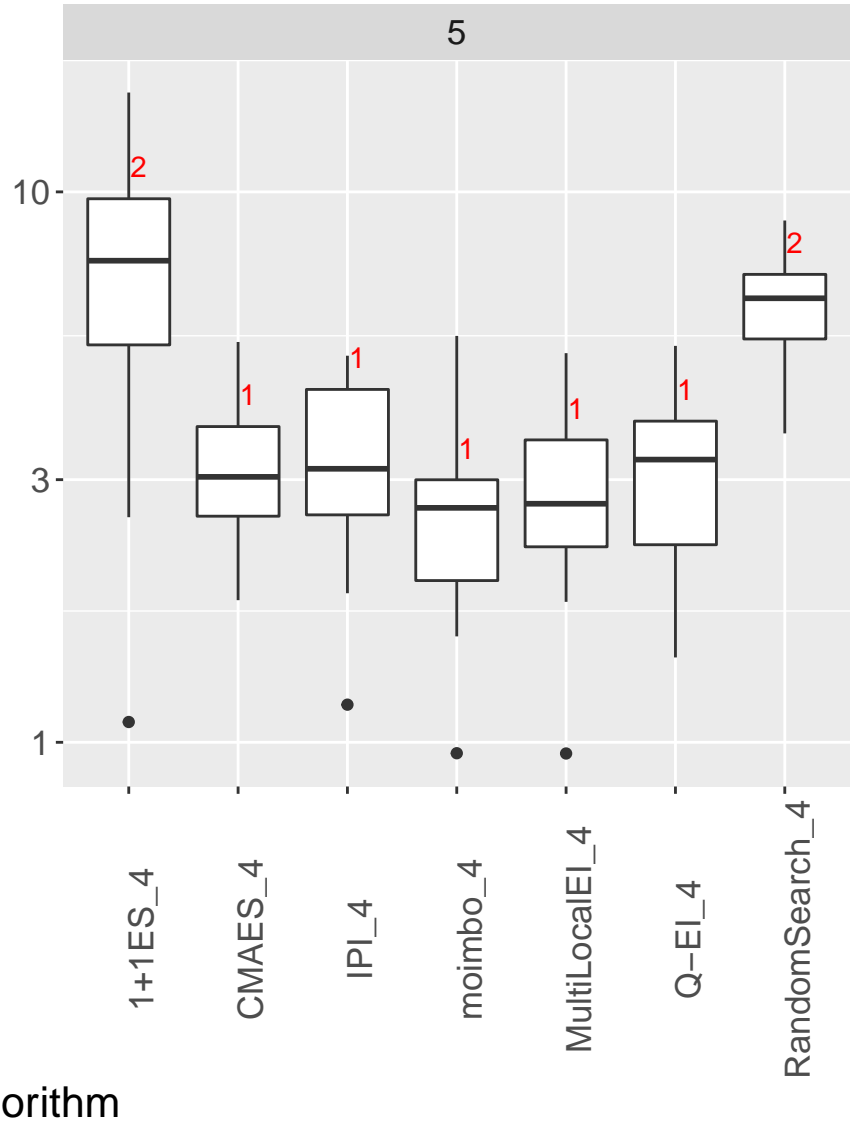
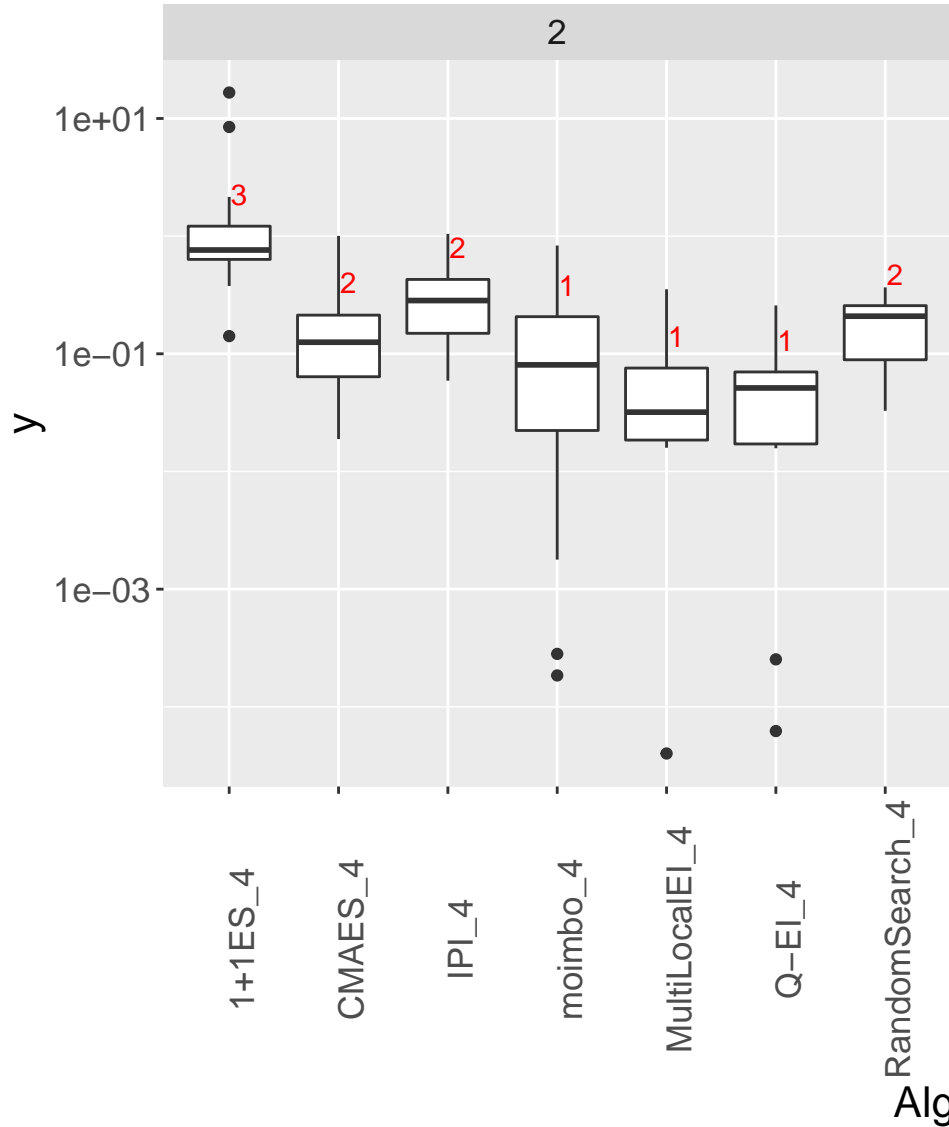
RandomSearch_8

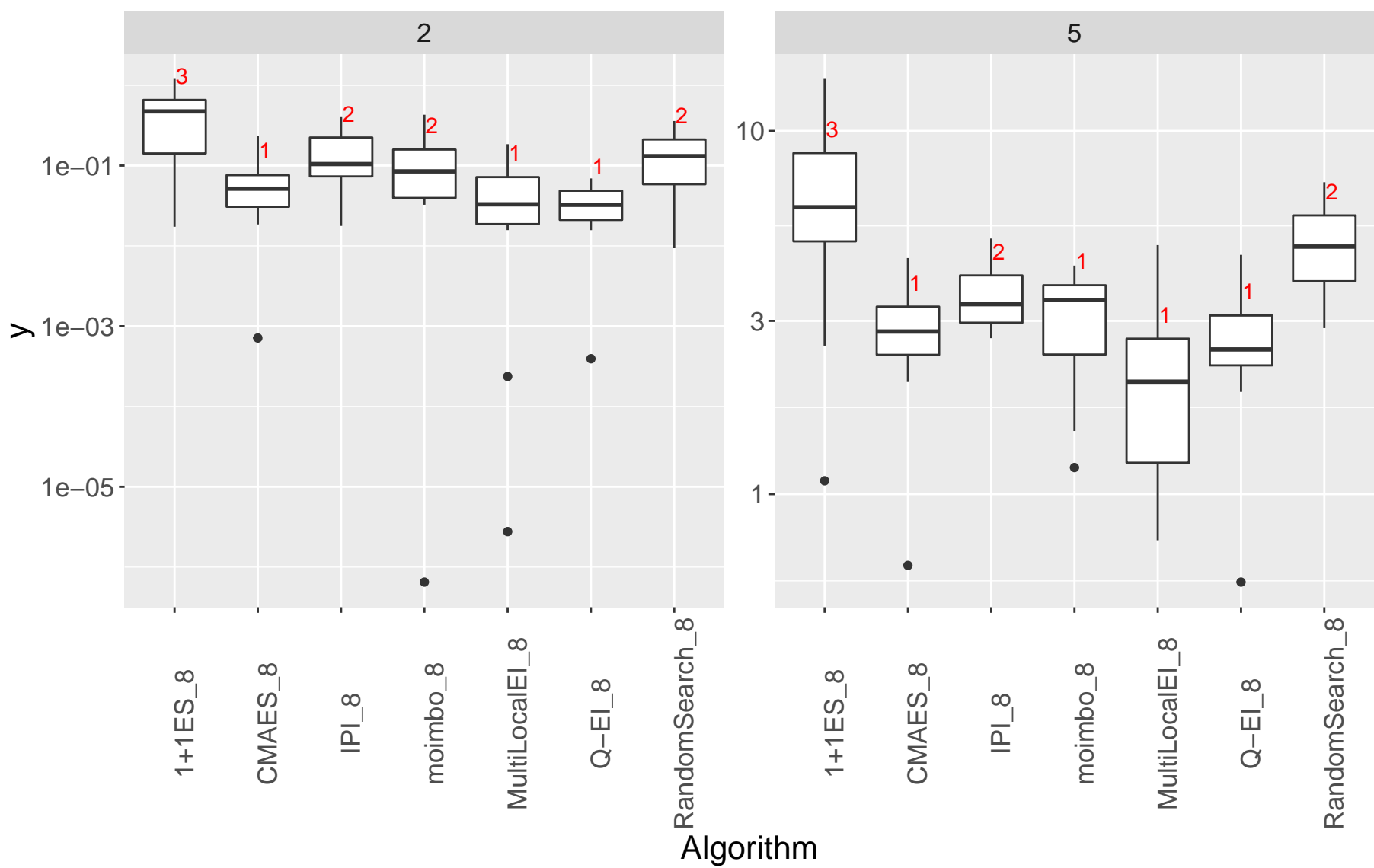


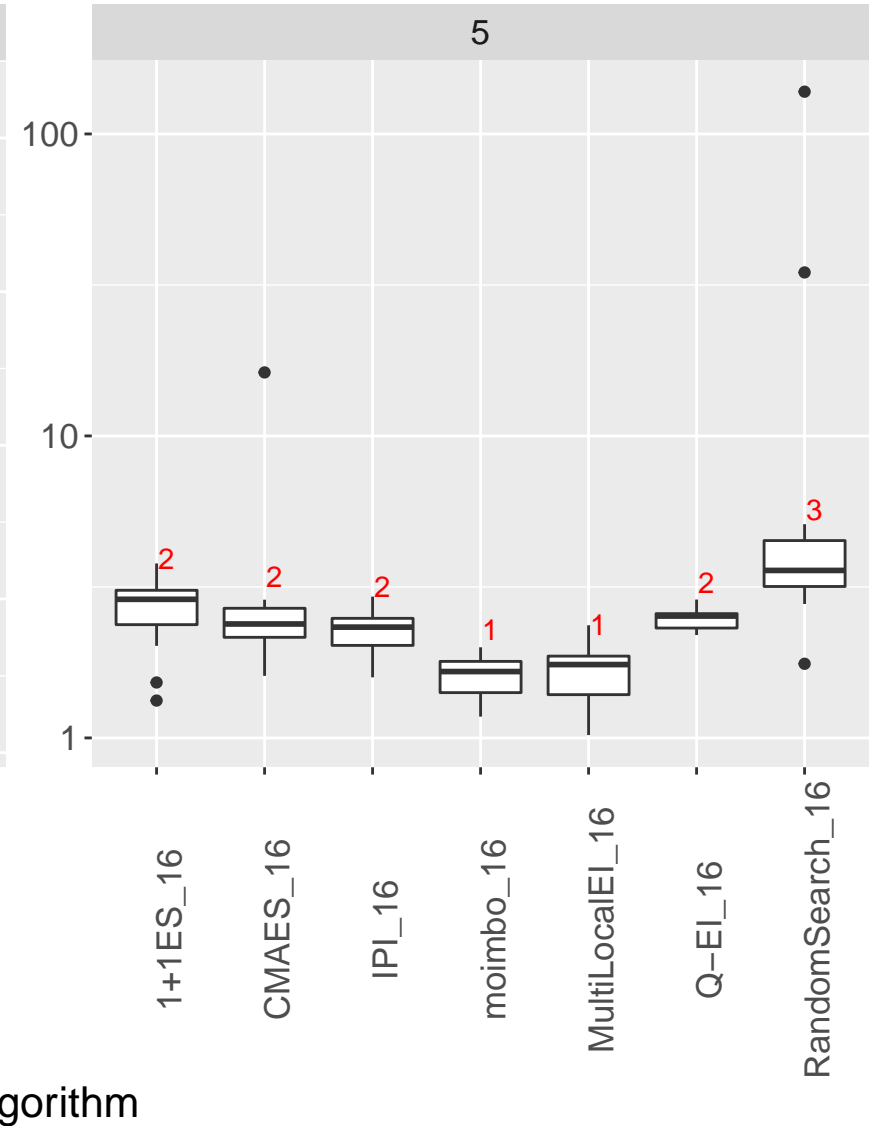
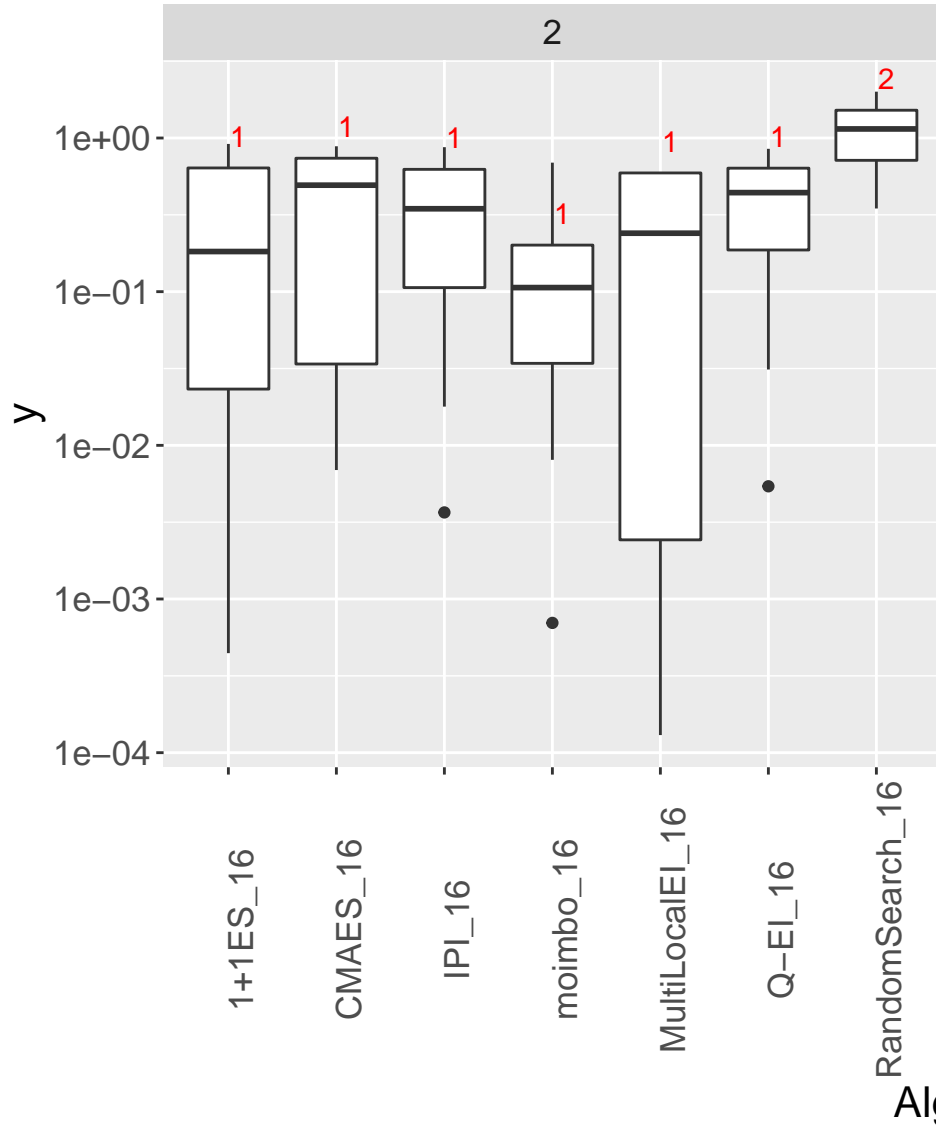


FunID: 19 – BatchSize: 2
Evaluation:

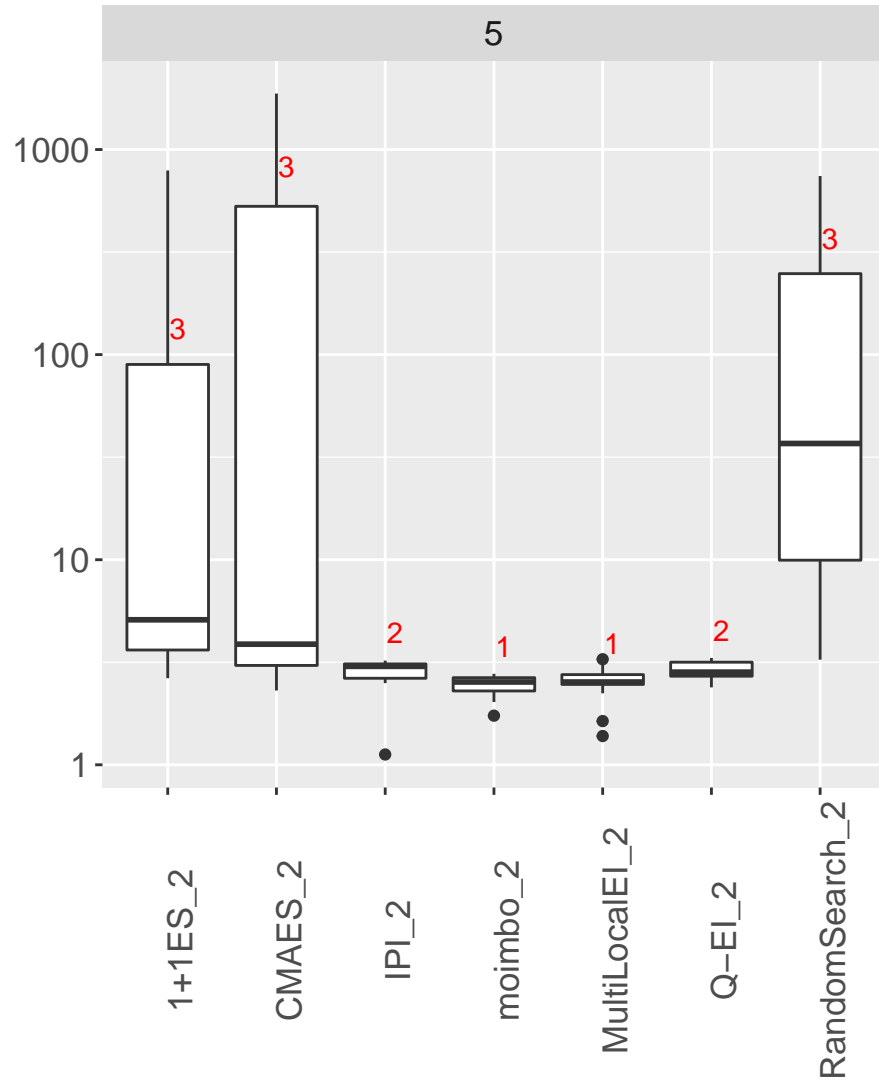
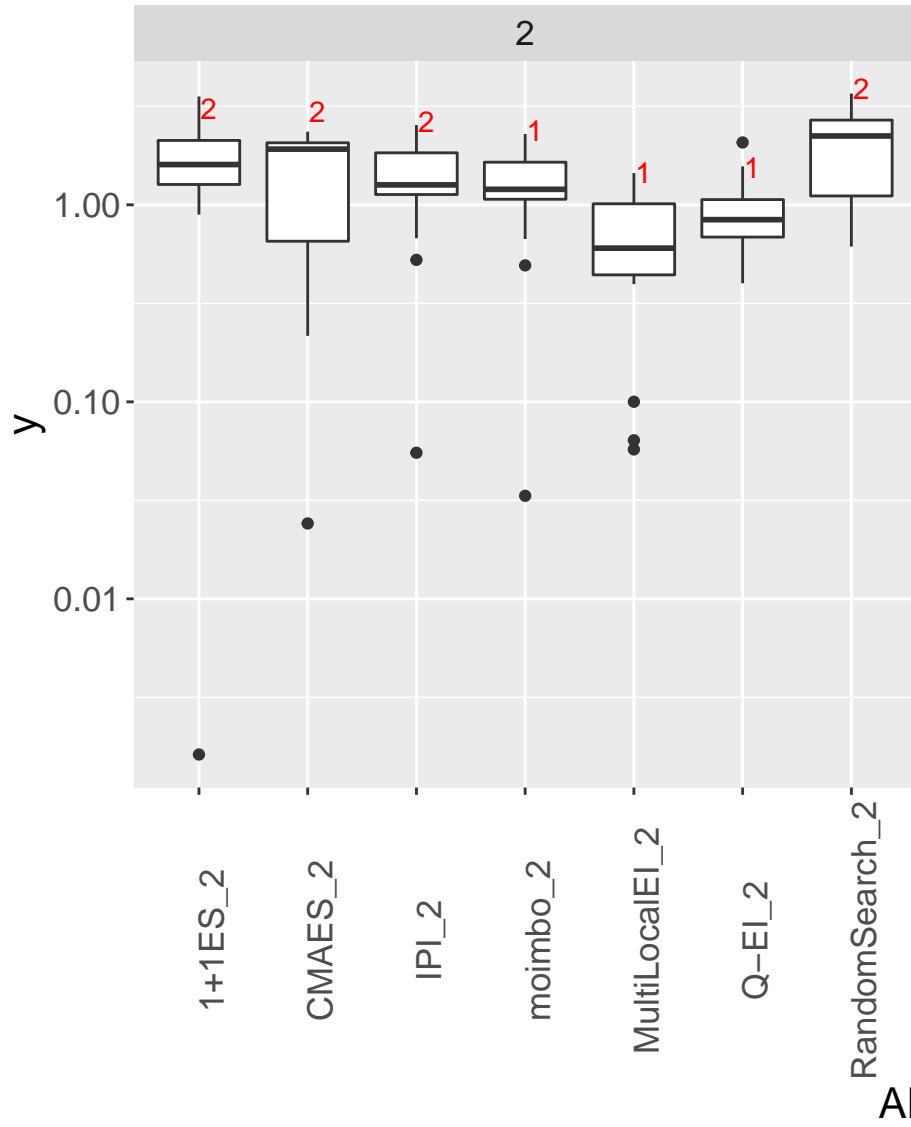




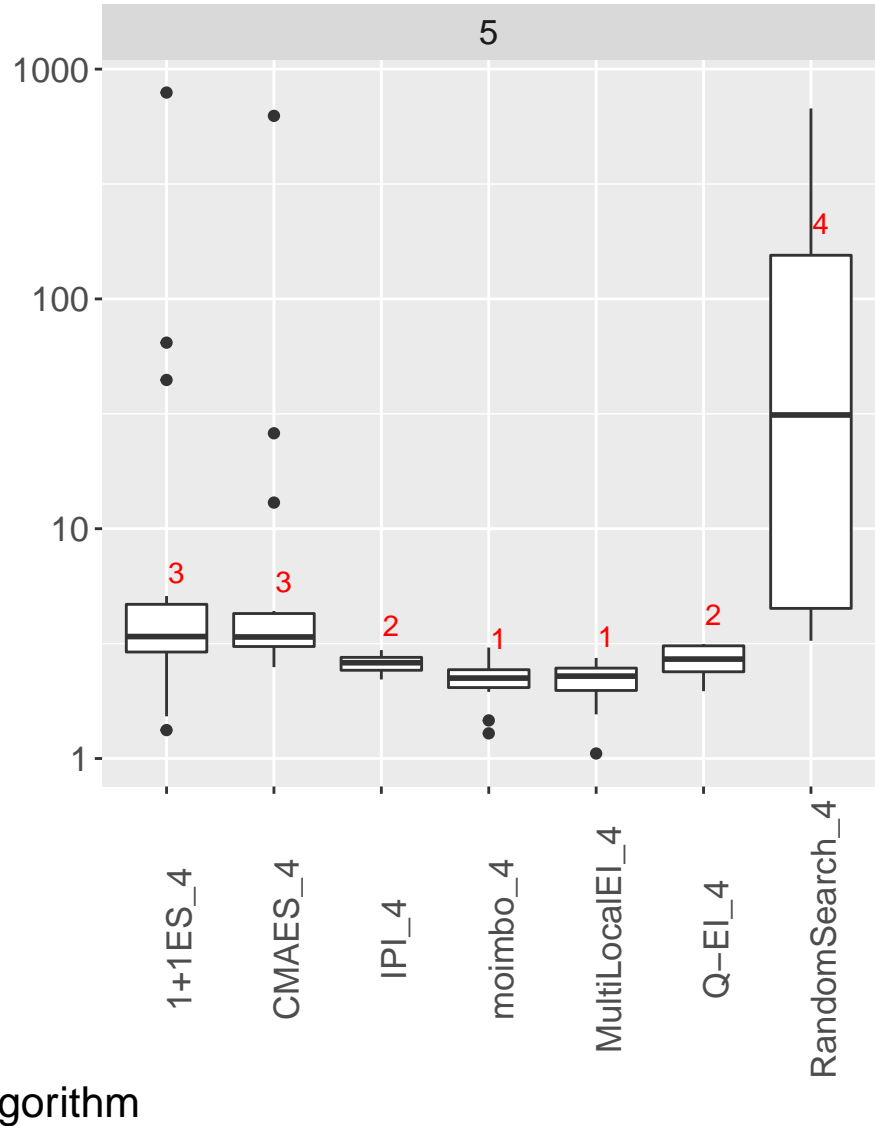
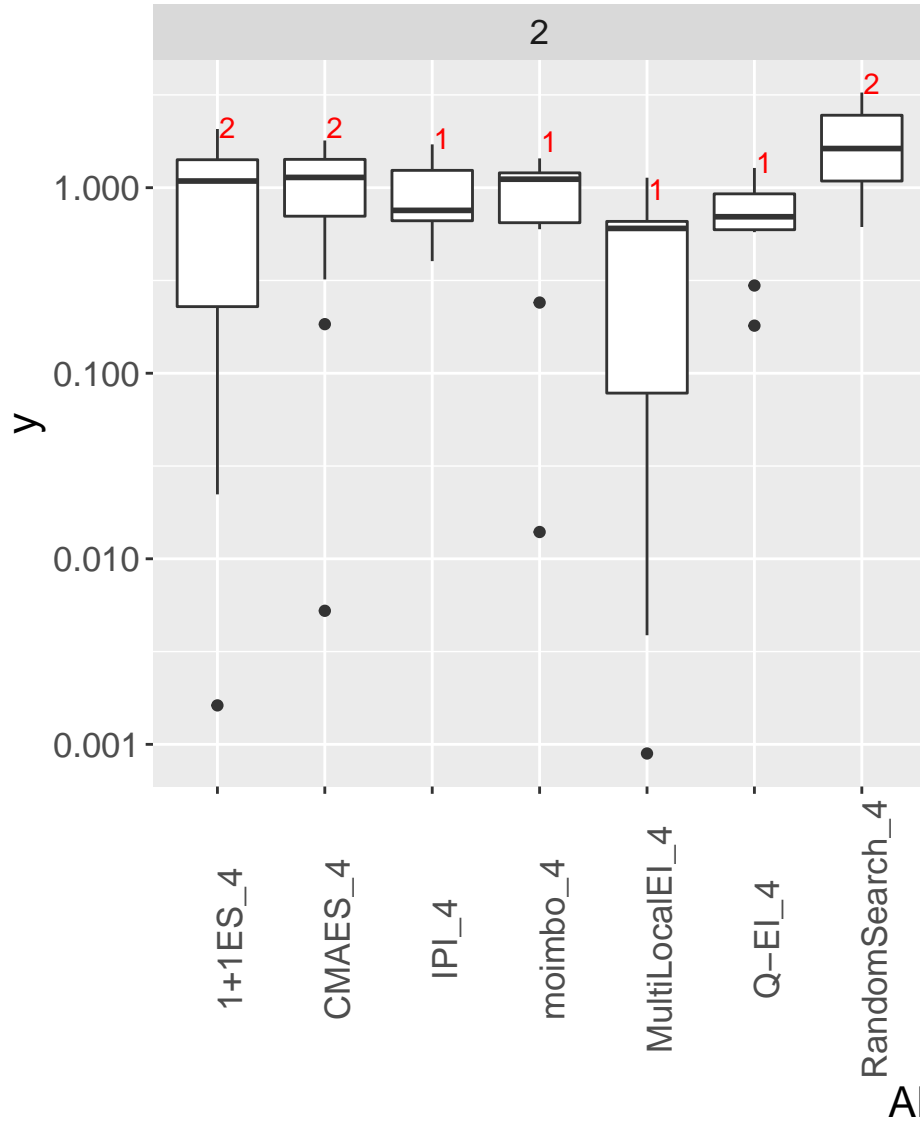




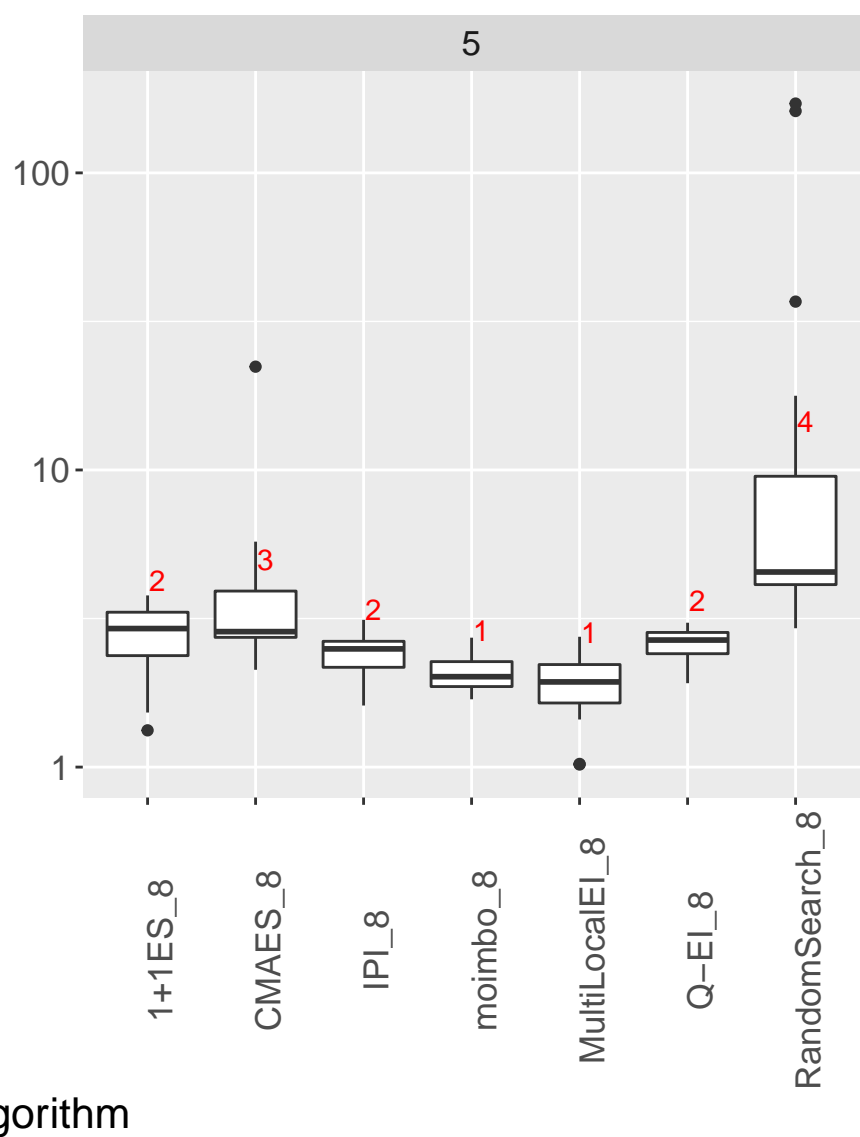
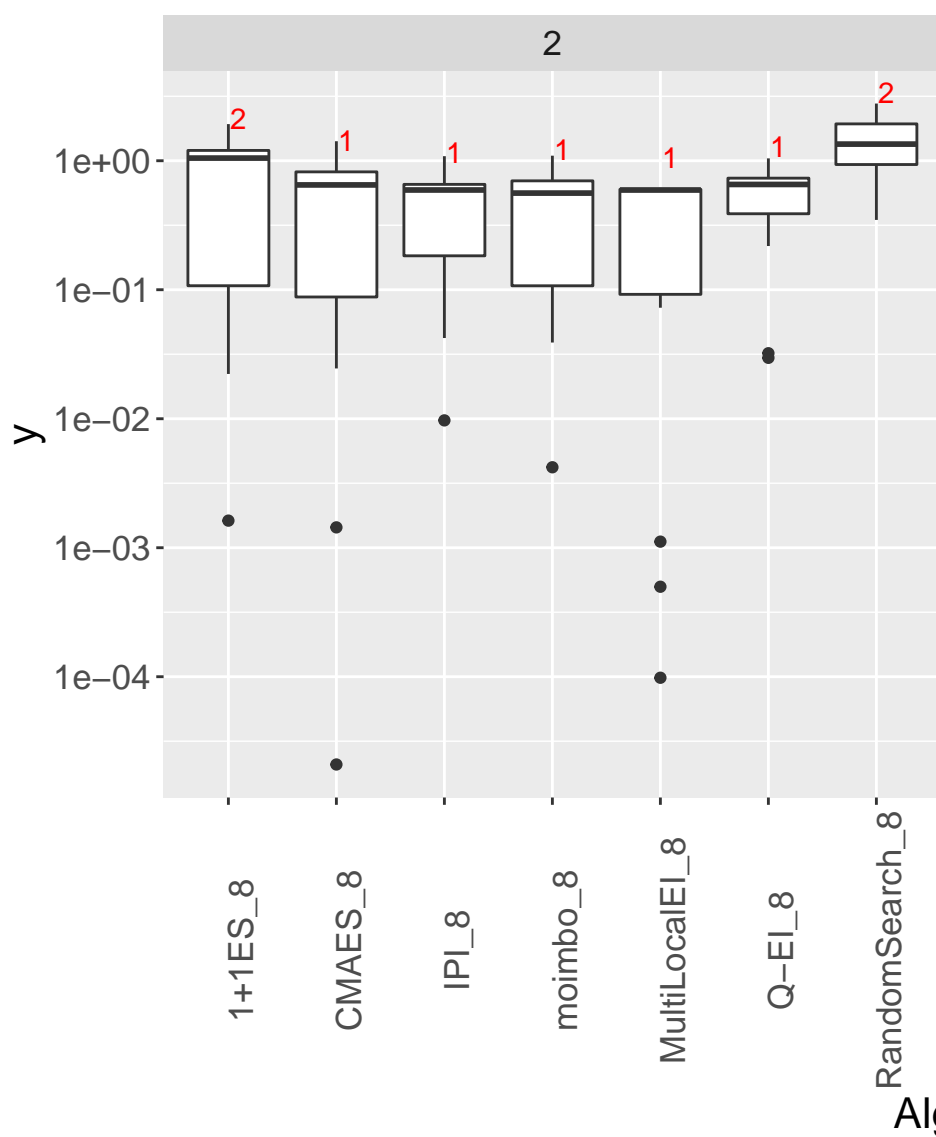
FunID: 20 – BatchSize: 2
Evaluation:

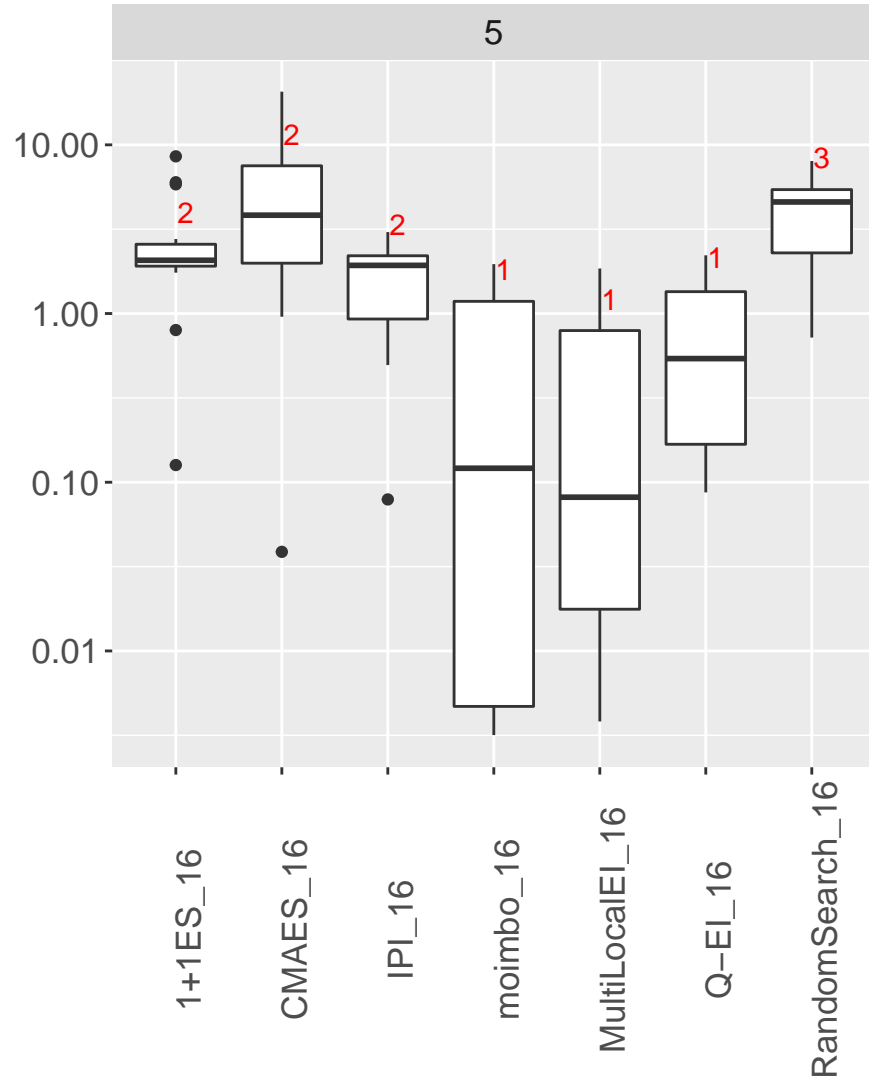
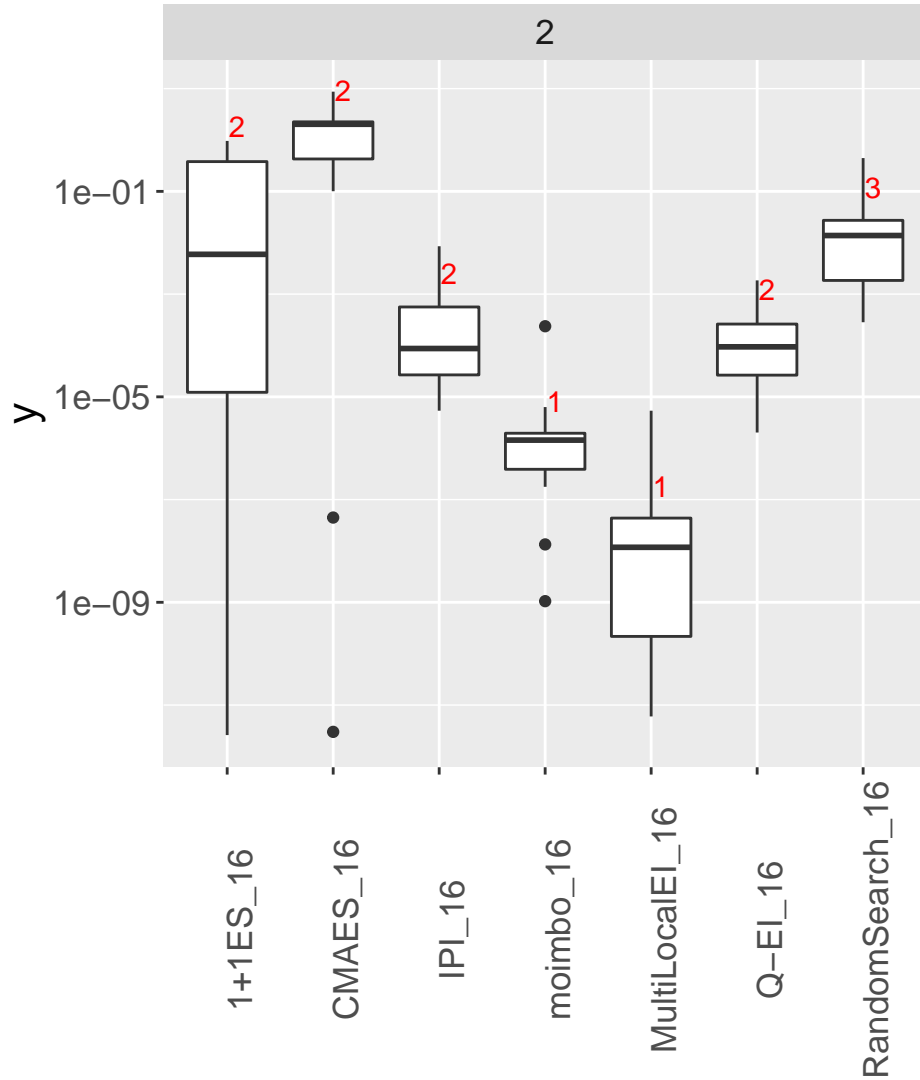


FunID: 20 – BatchSize: 4
Evaluation:

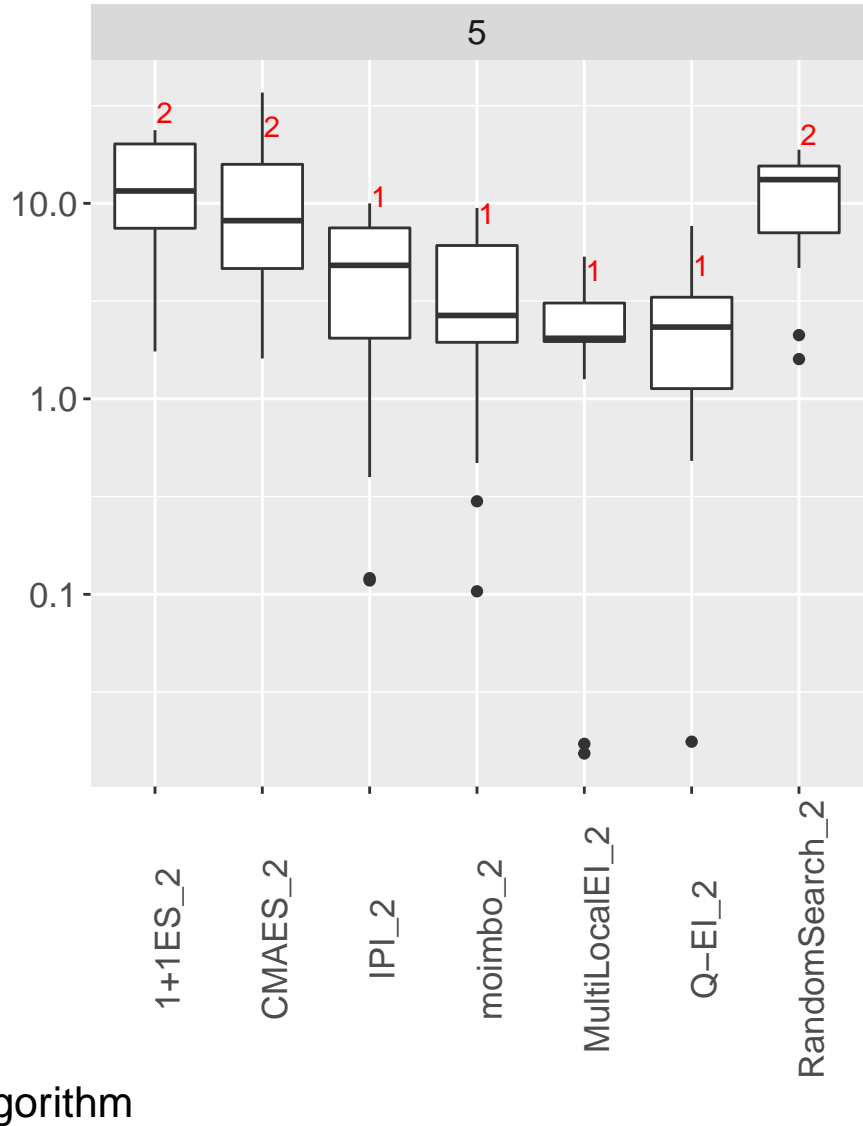
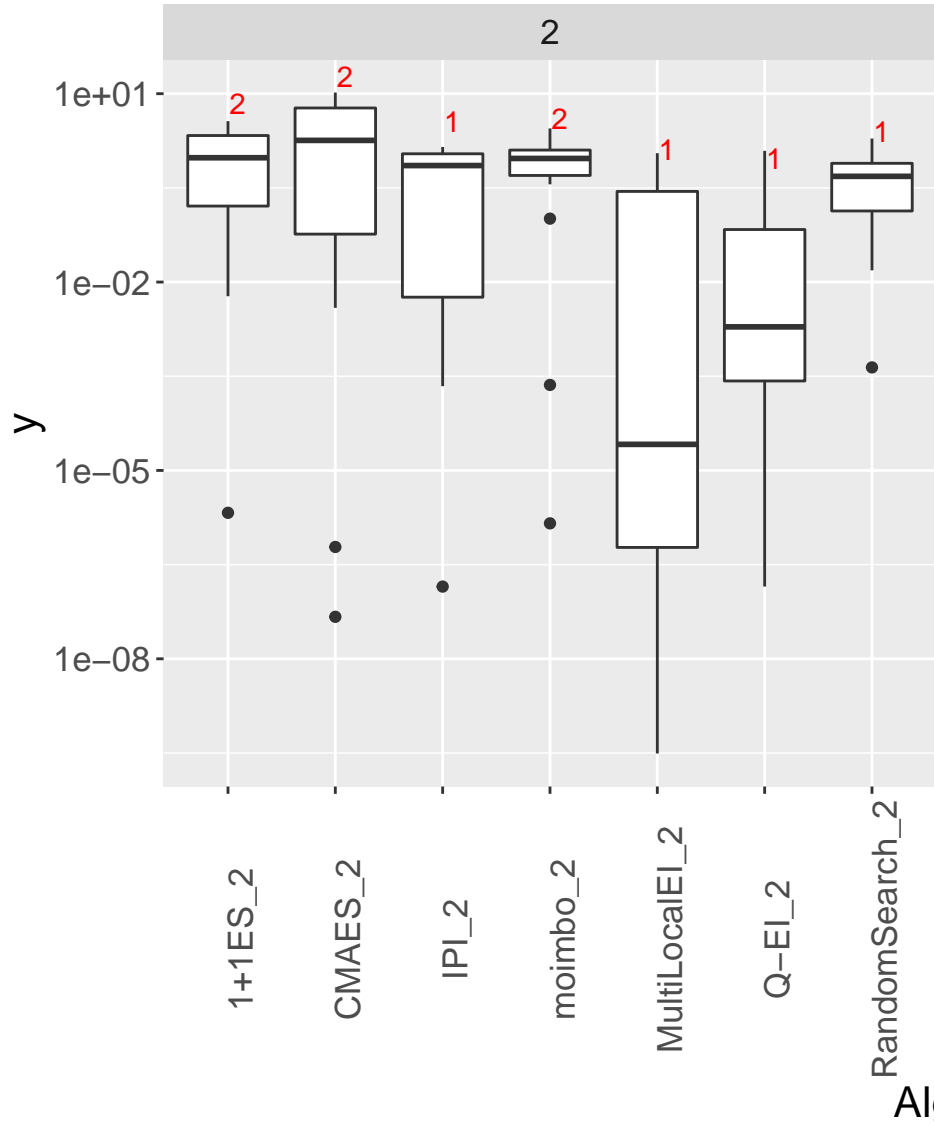


FunID: 20 – BatchSize: 8
Evaluation:

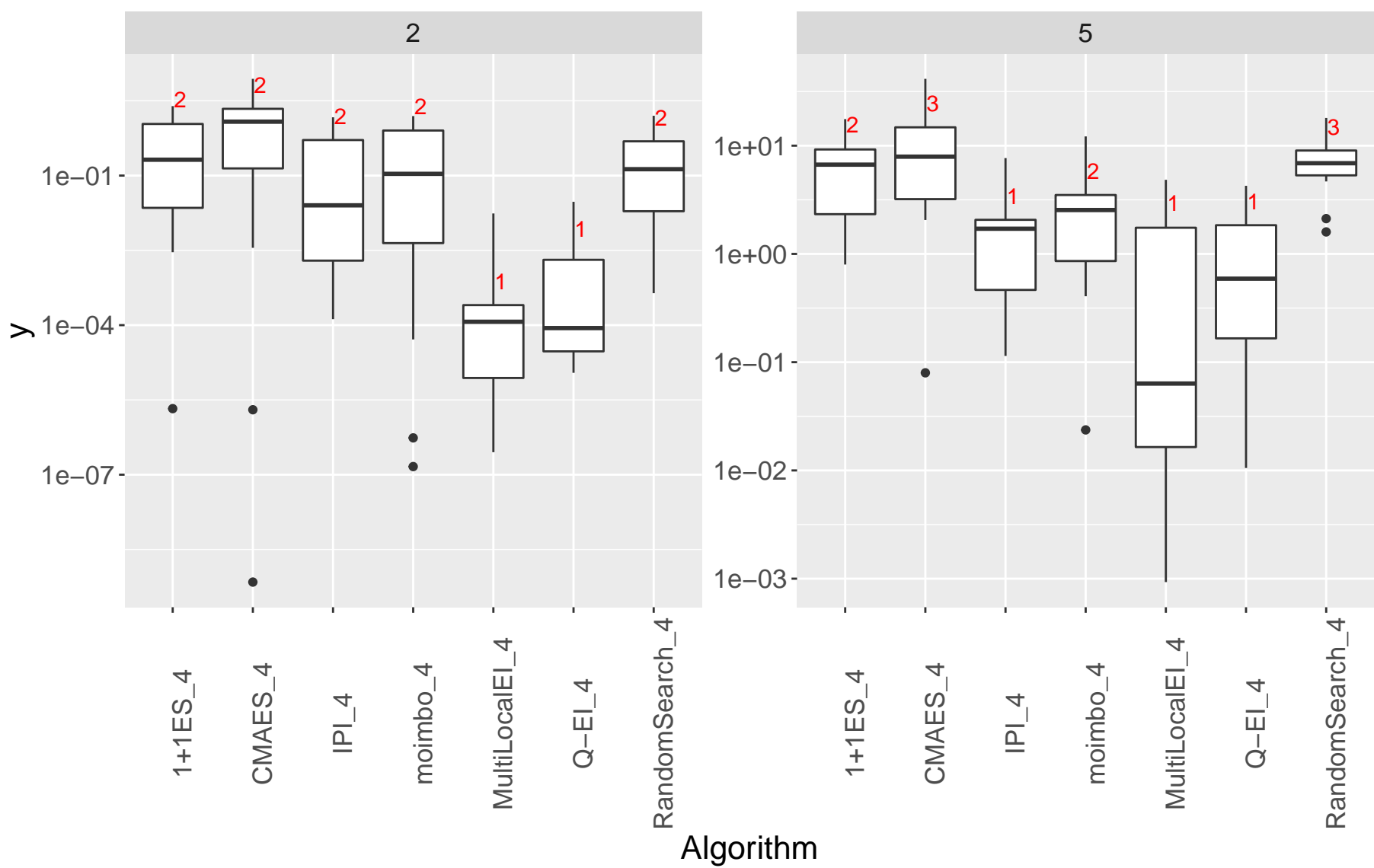


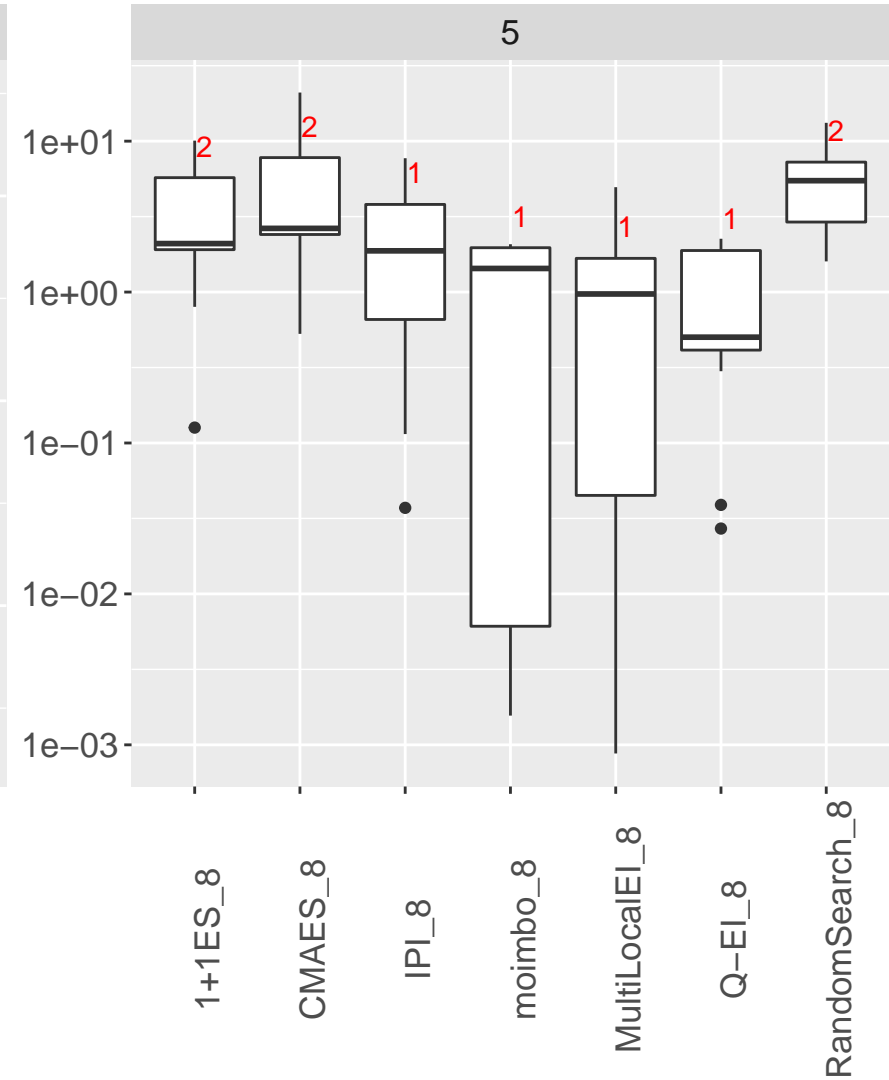
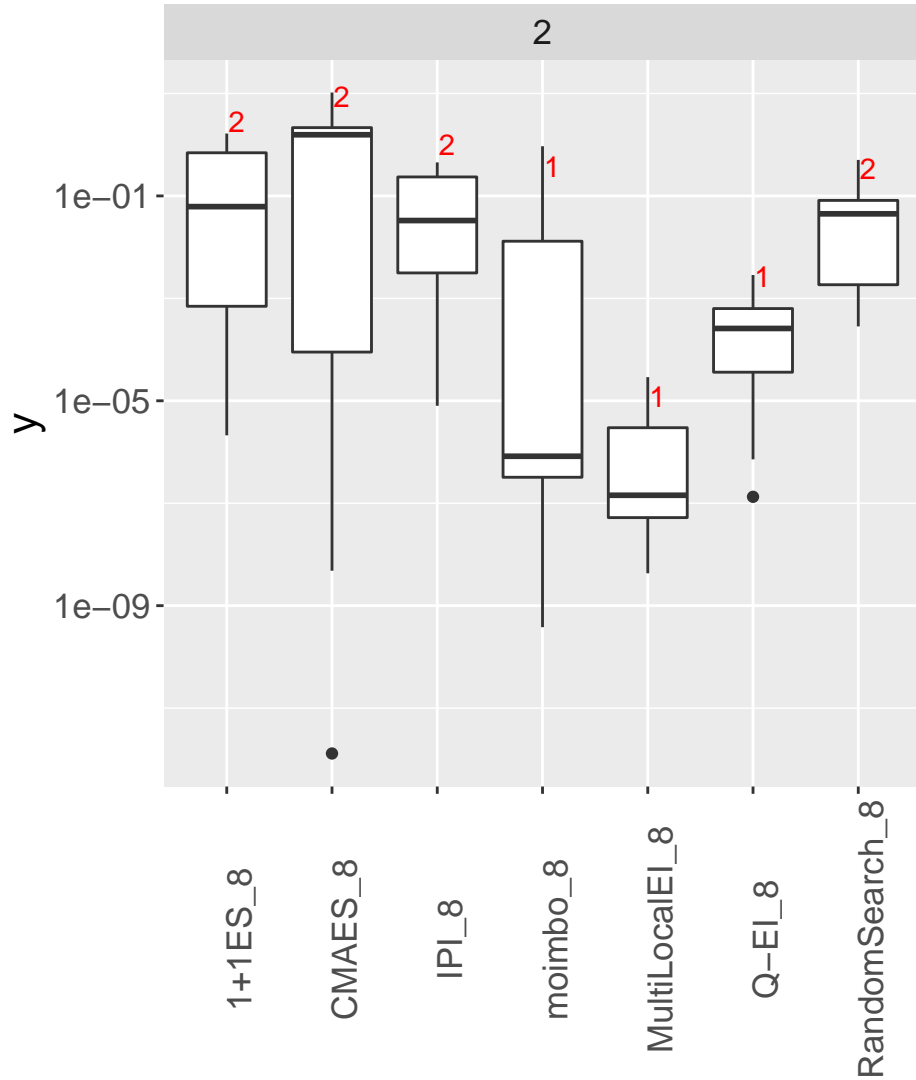


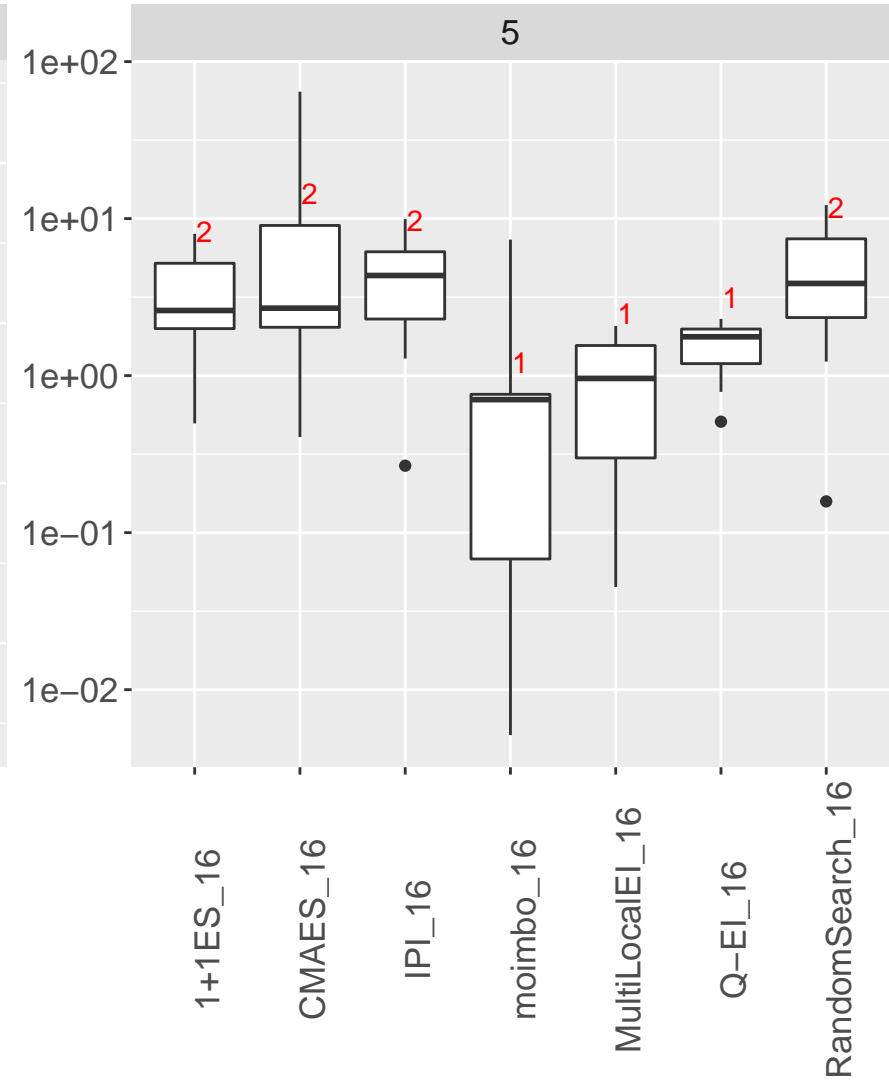
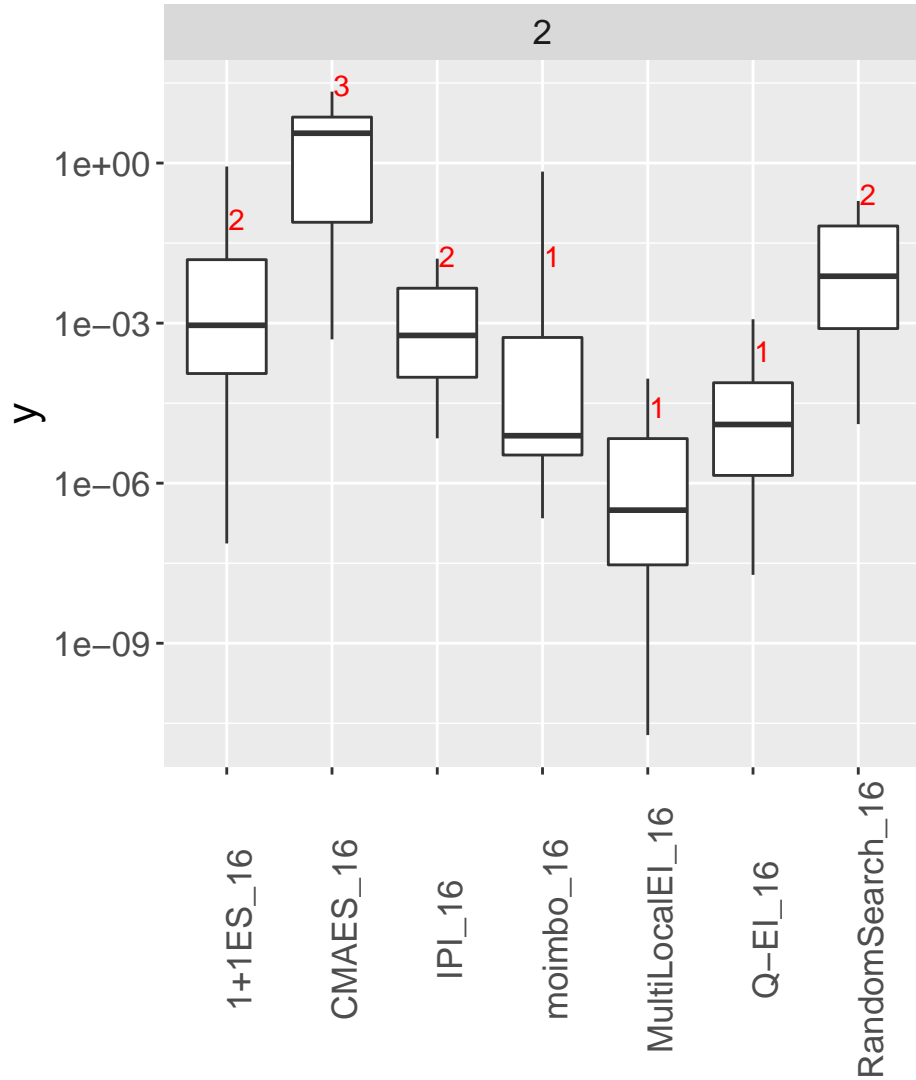
FunID: 21 – BatchSize: 2
Evaluation:



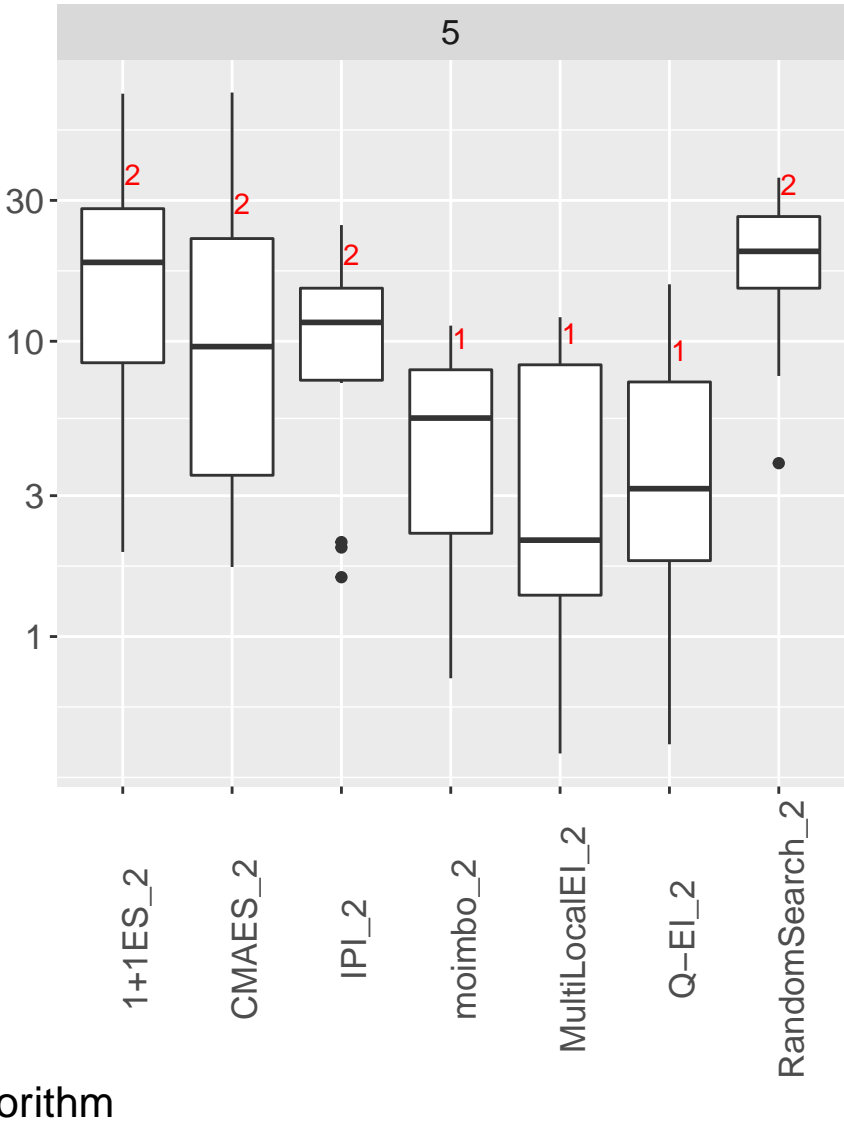
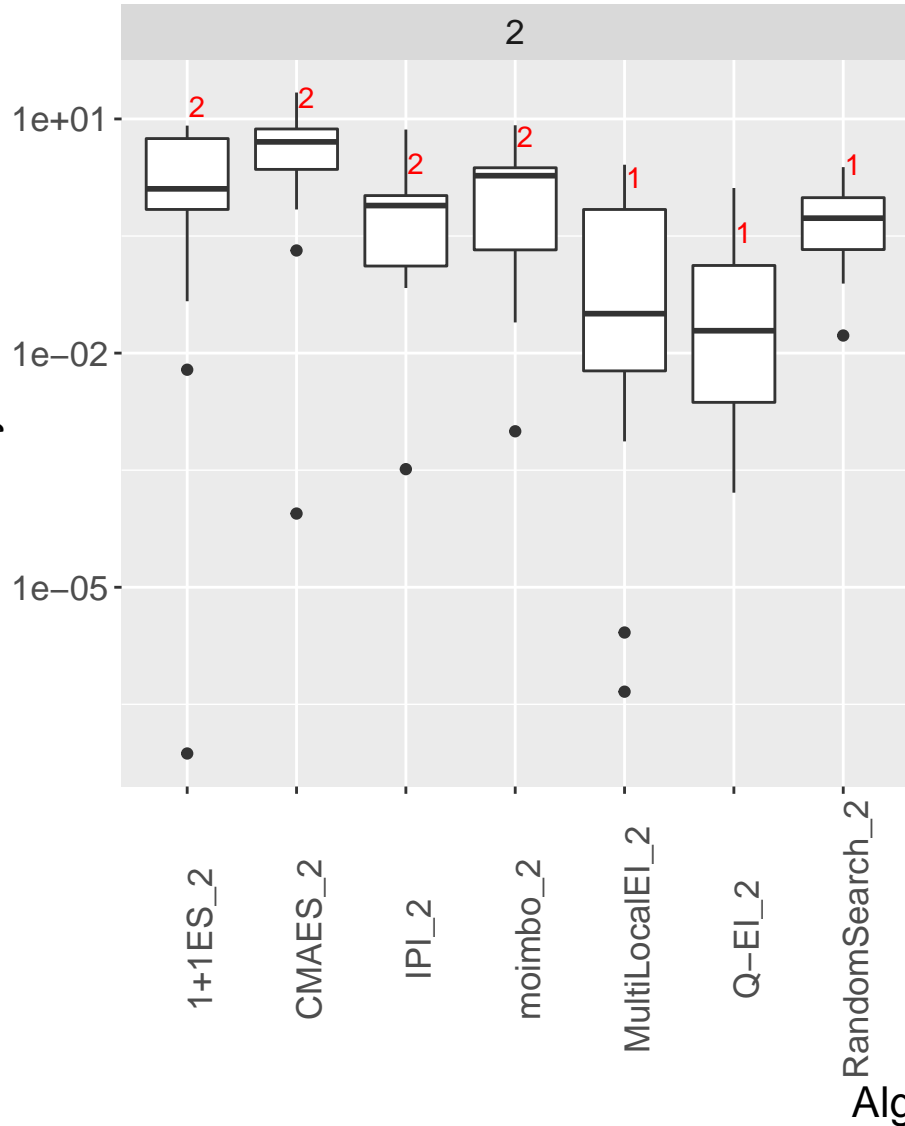
FunID: 21 – BatchSize: 4
Evaluation:

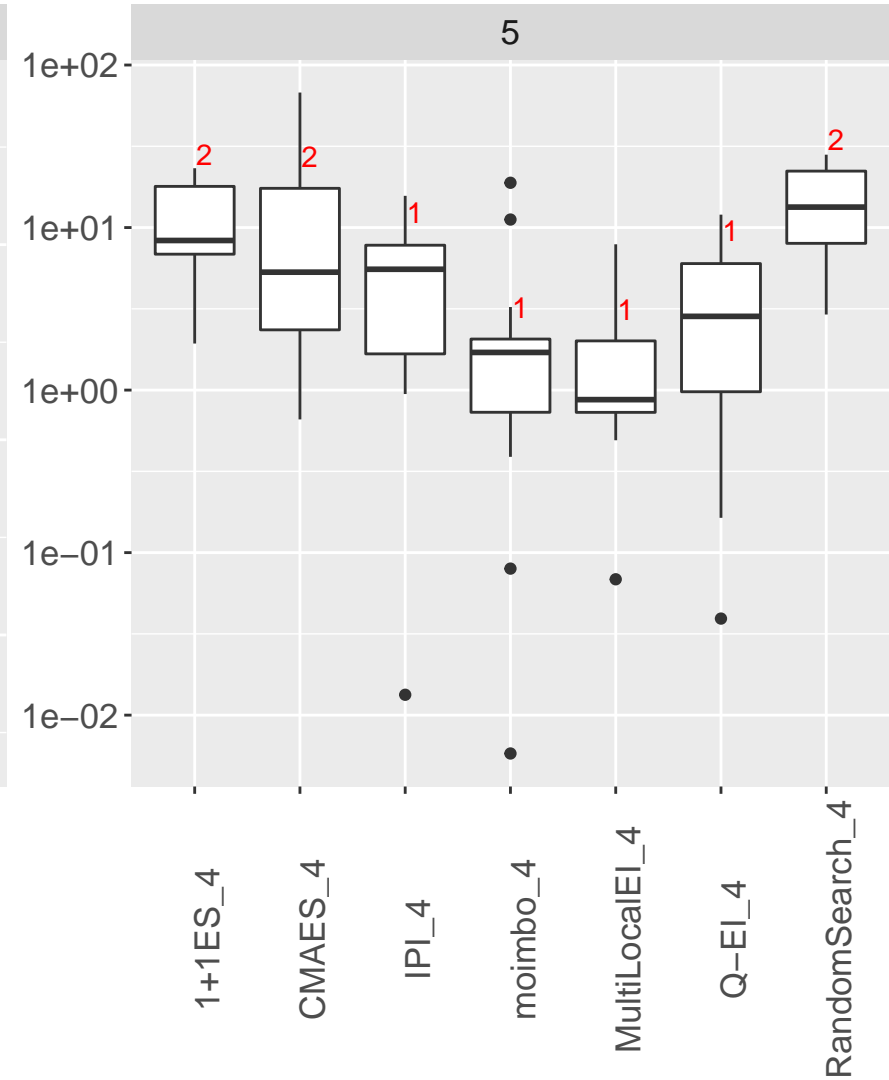
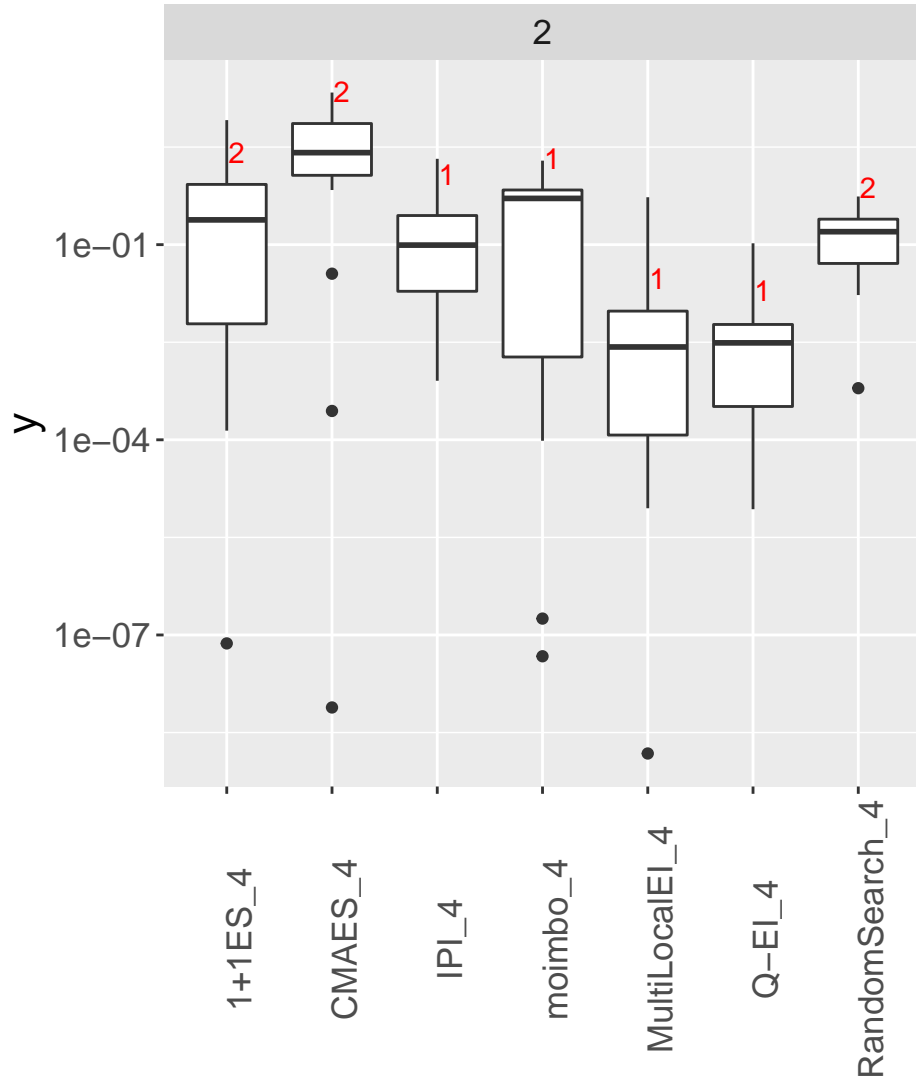


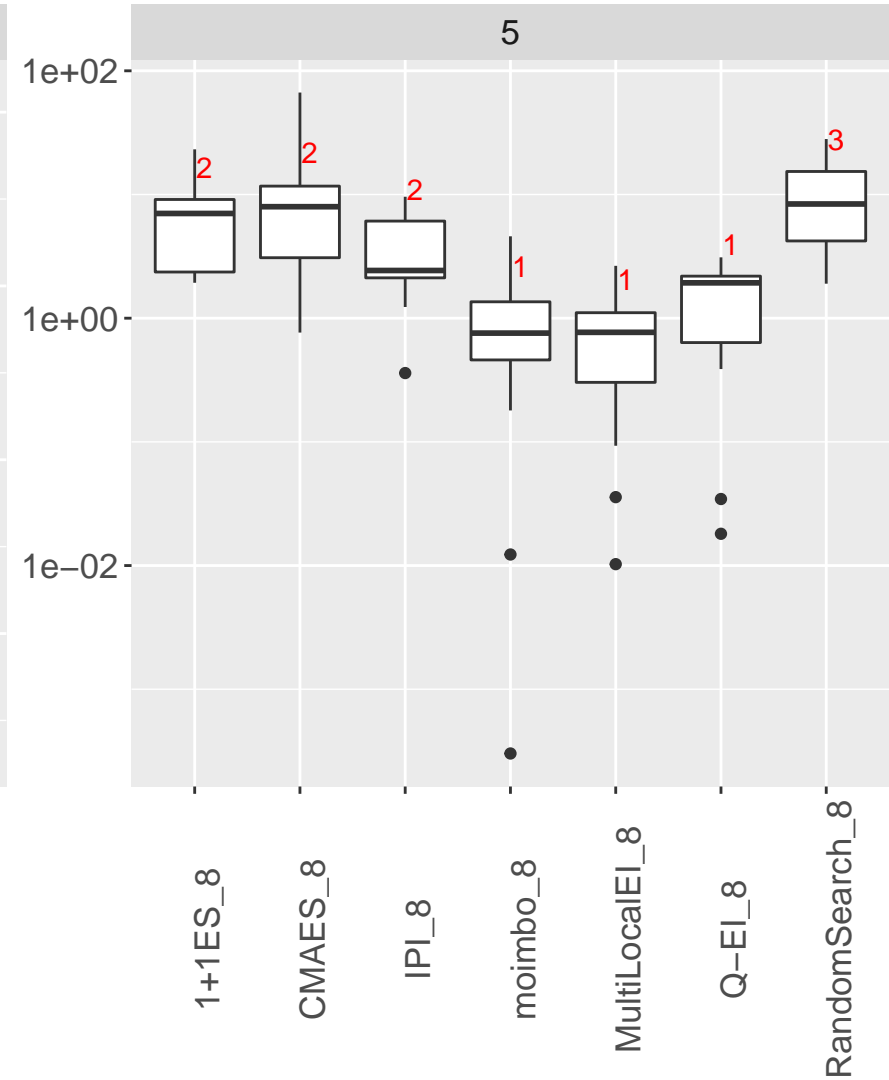
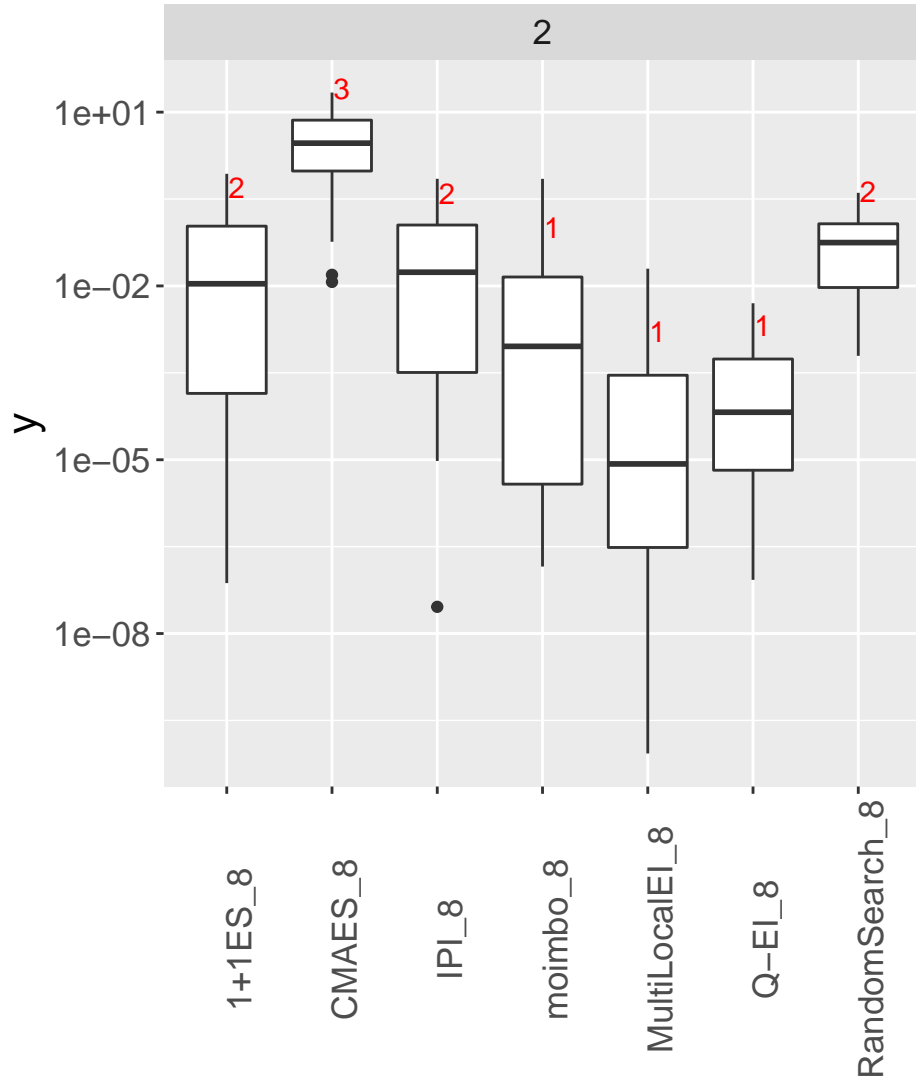


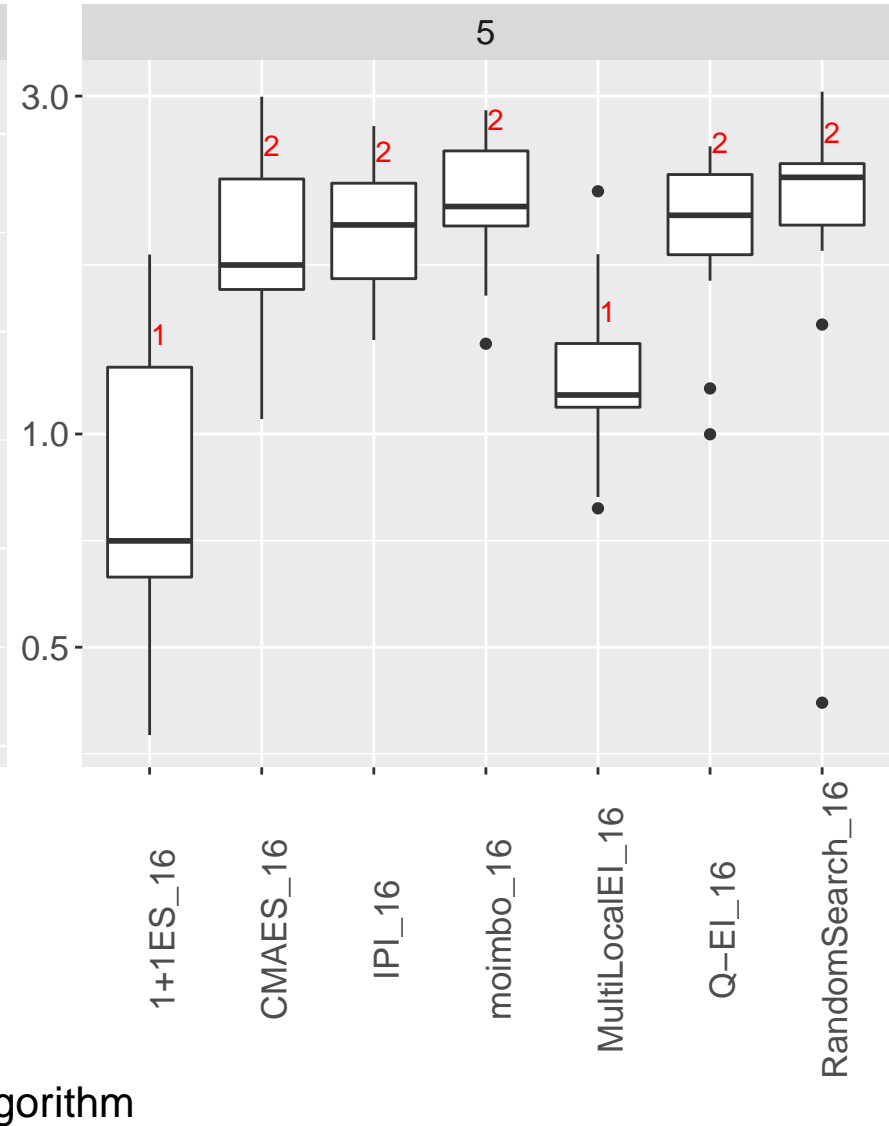
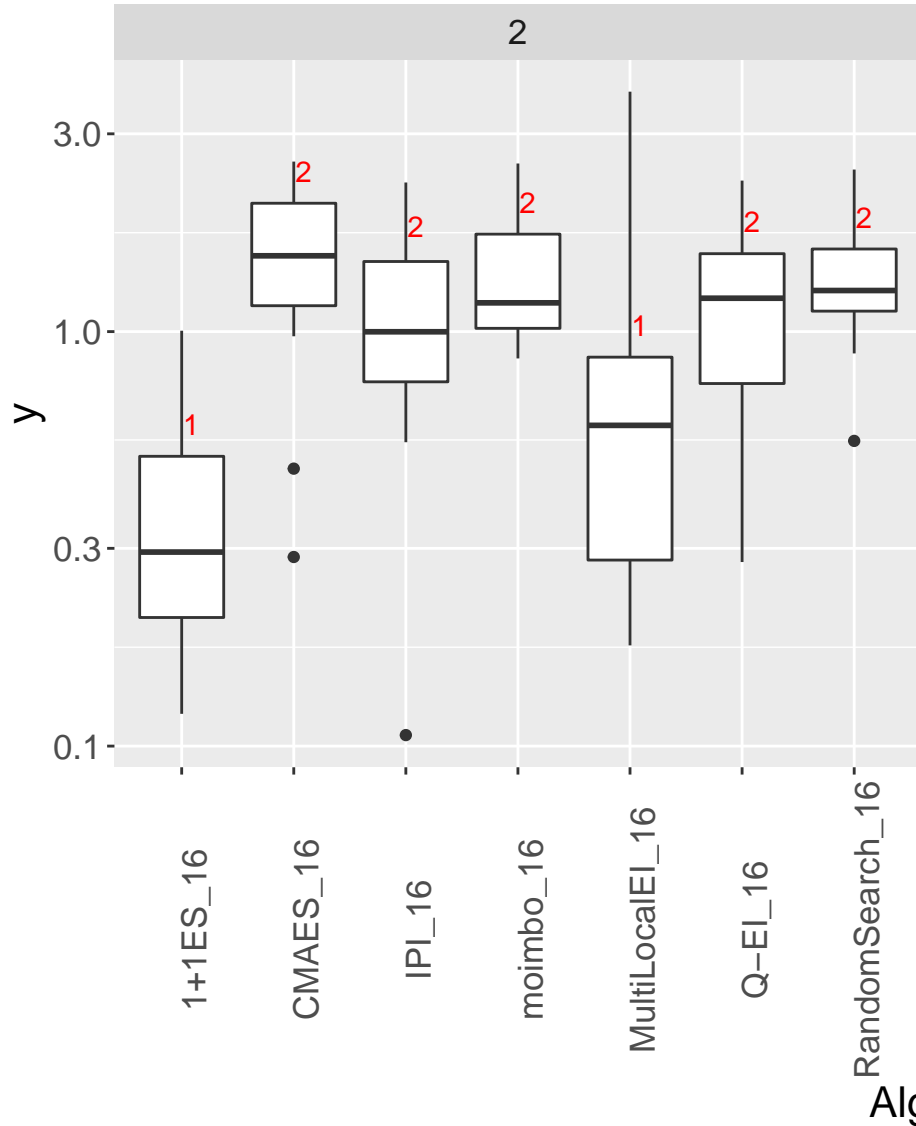


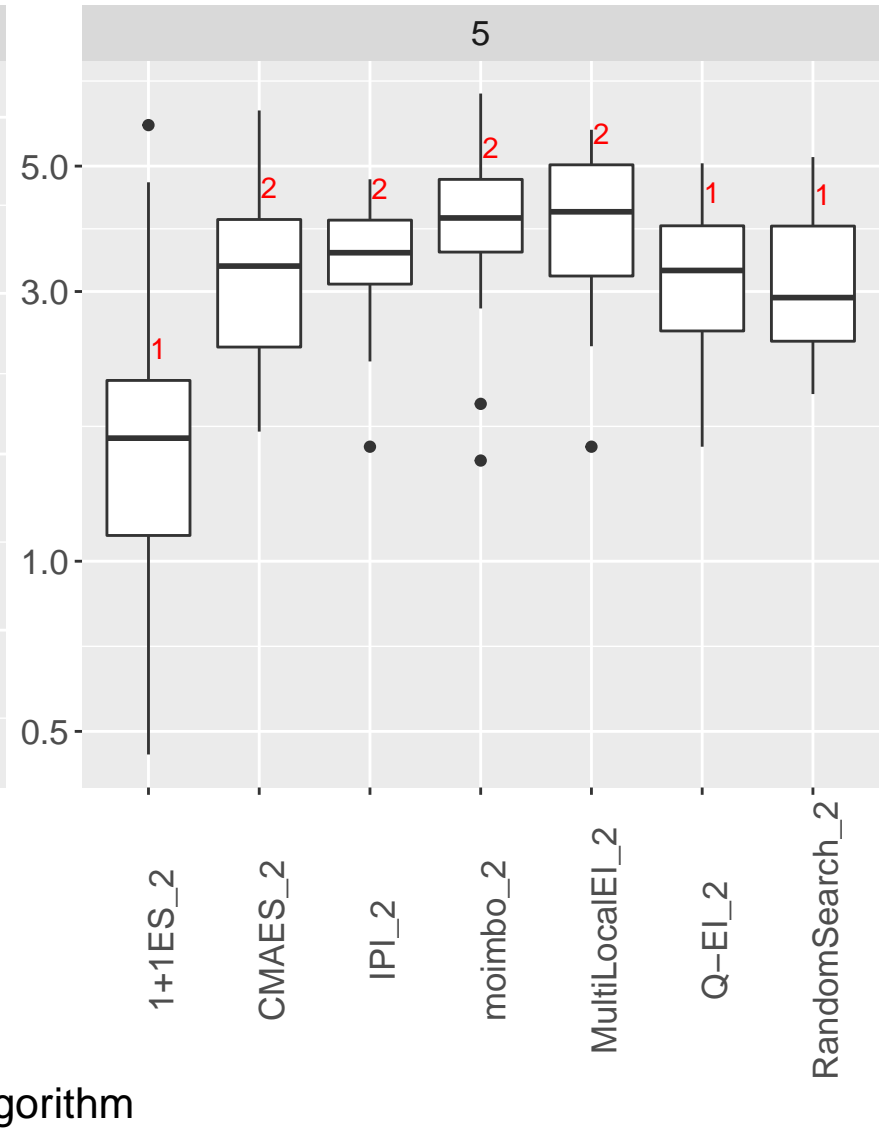
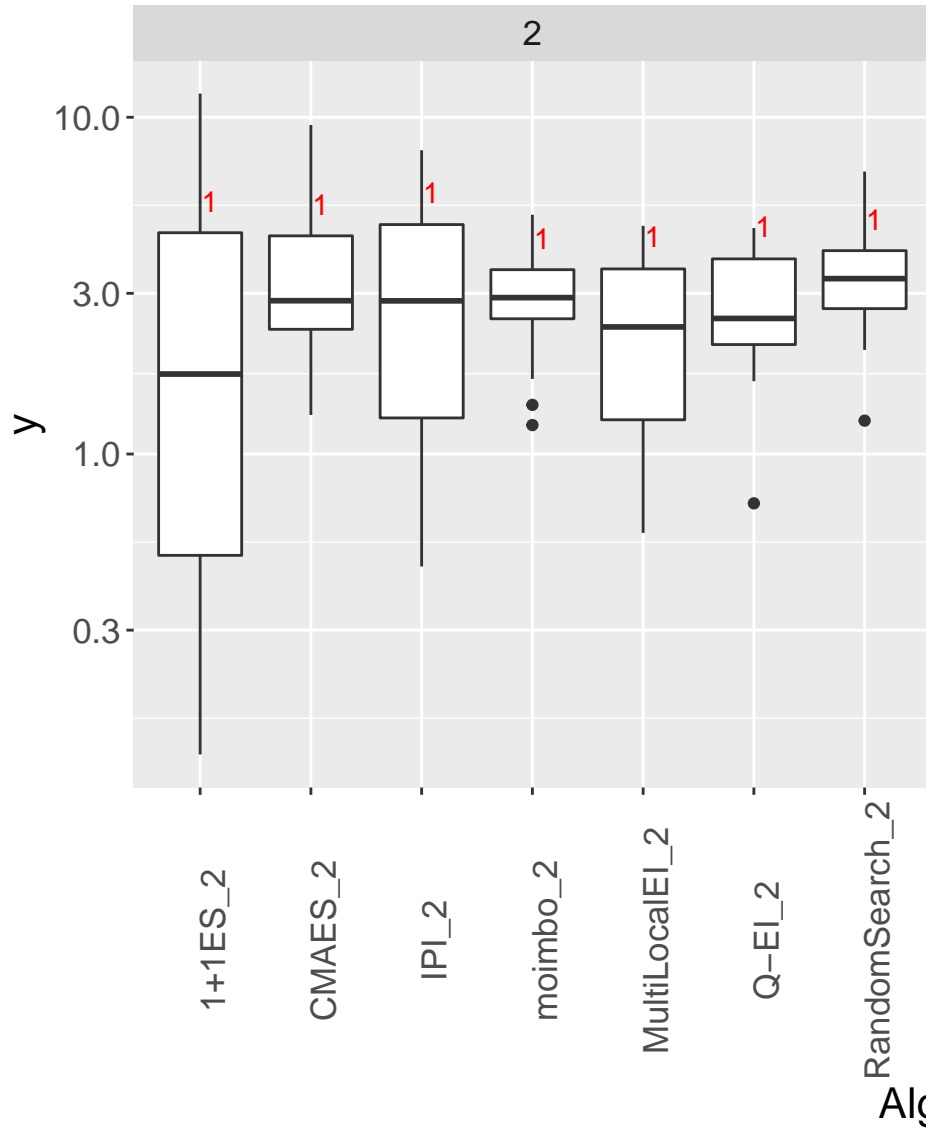
y

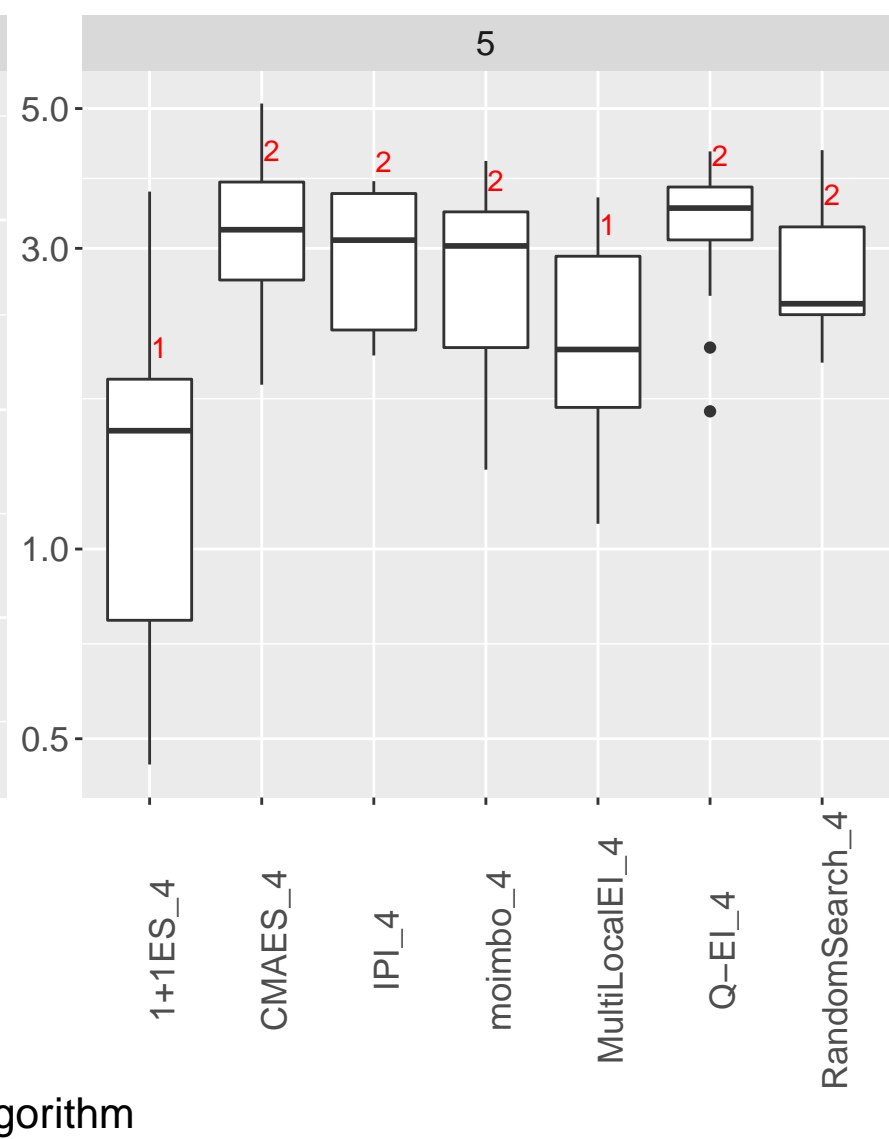
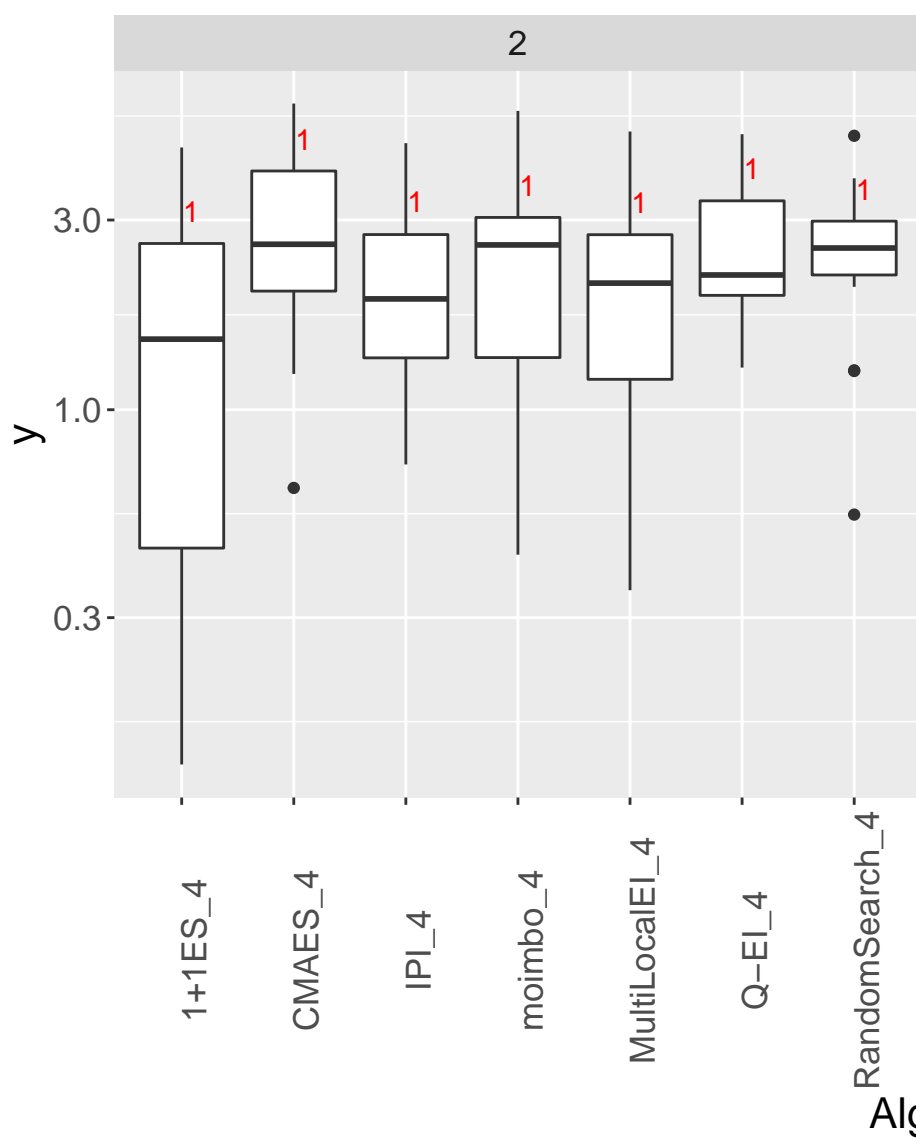




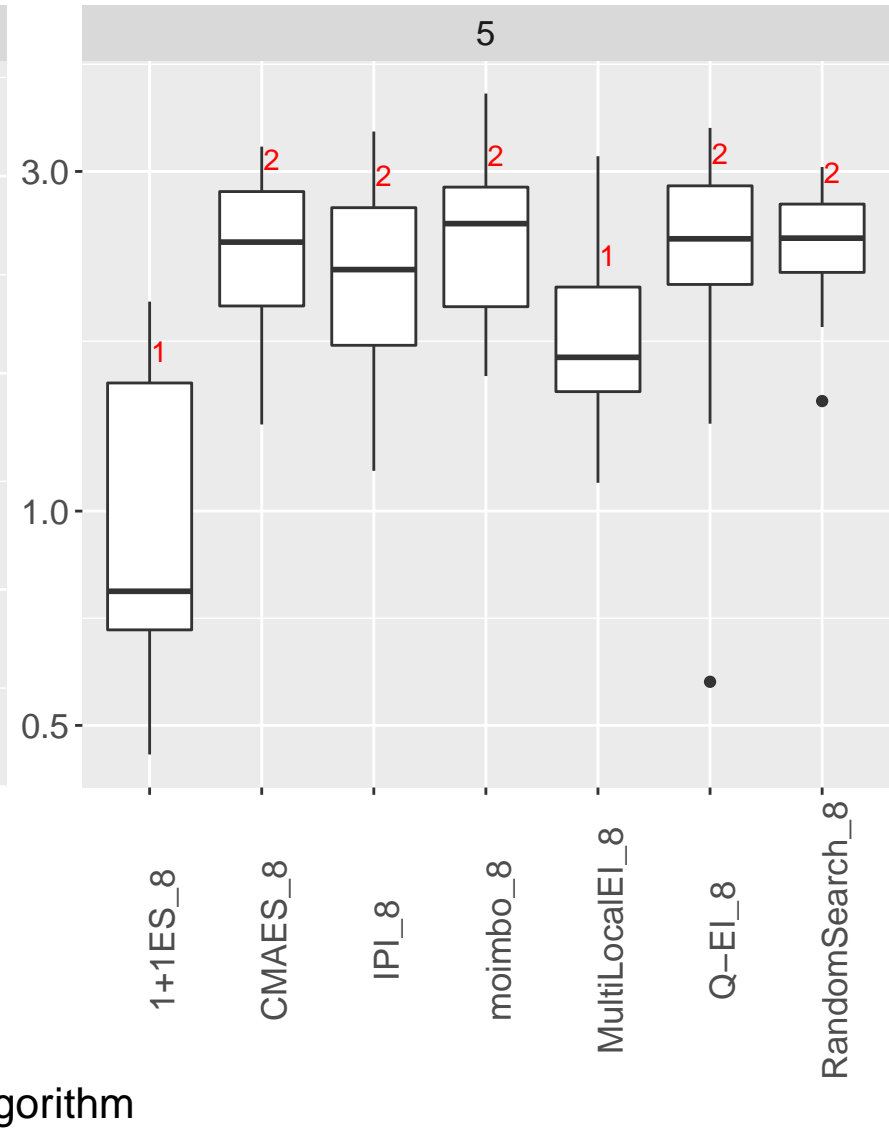
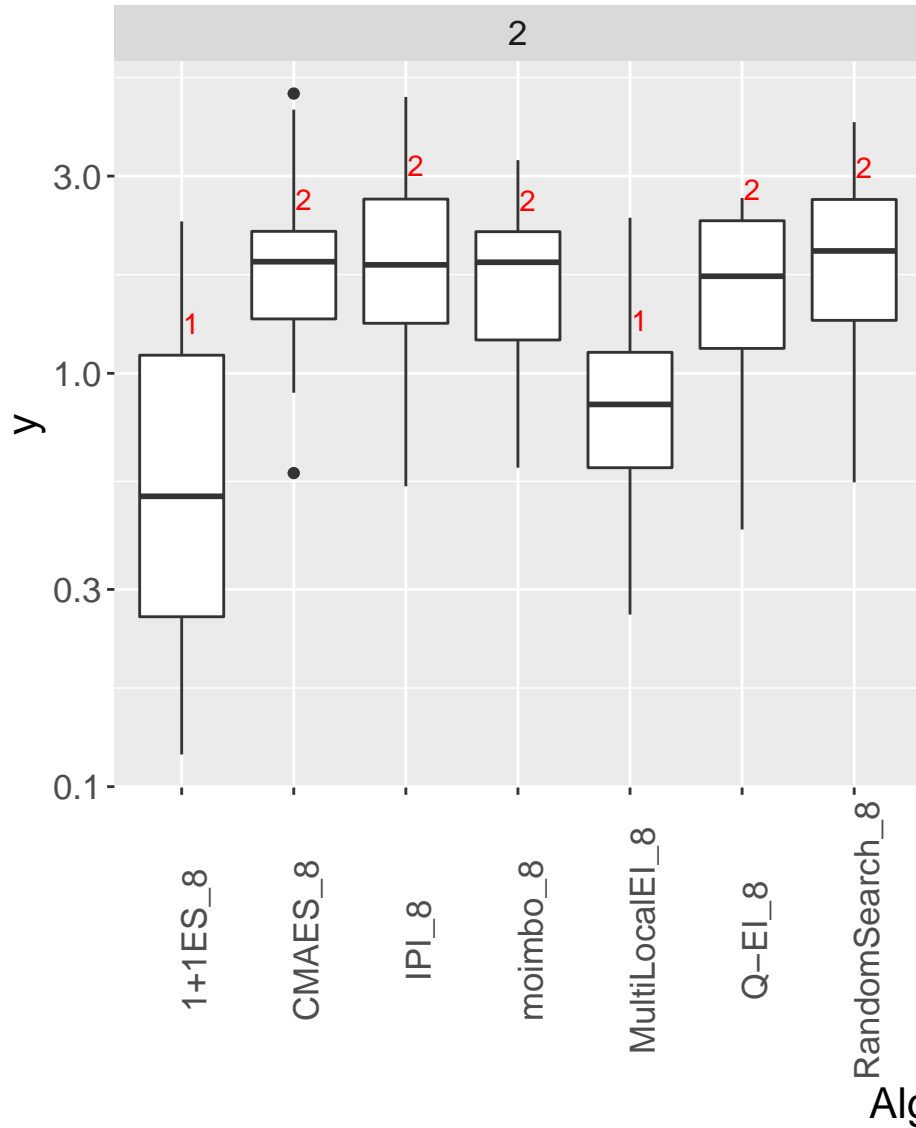


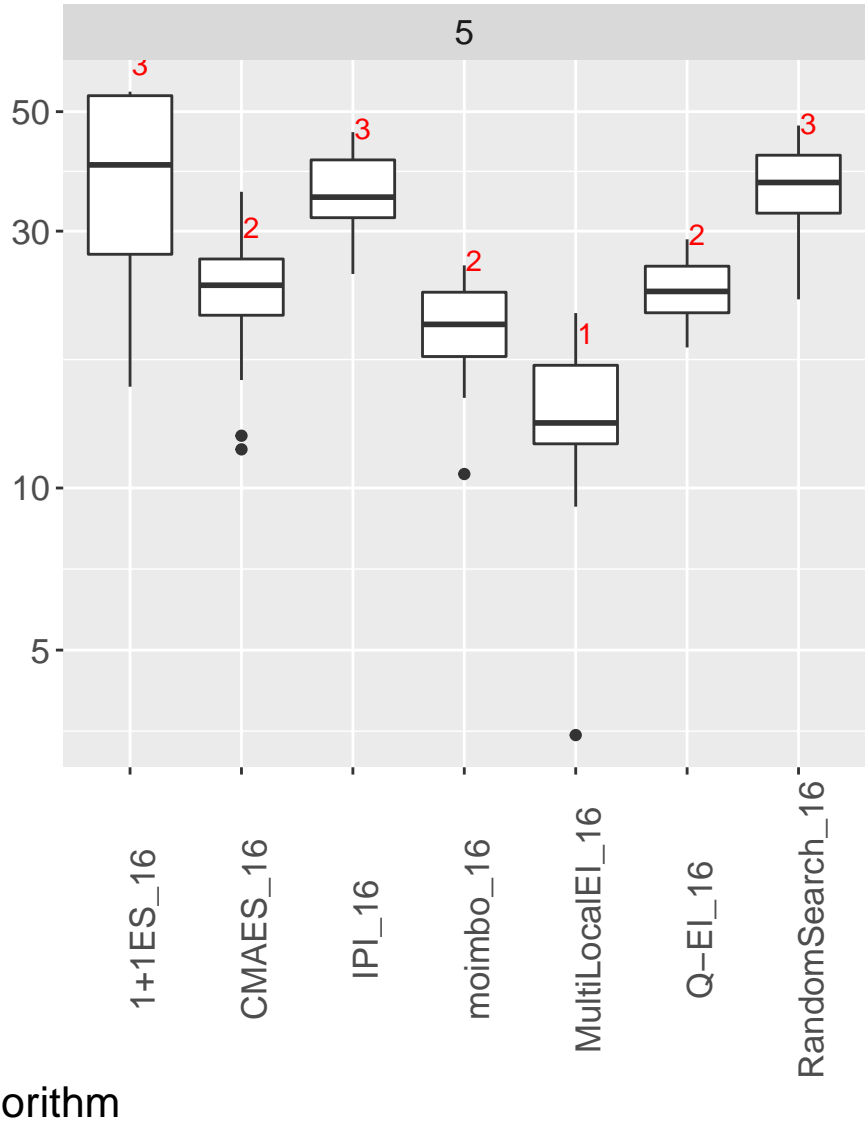
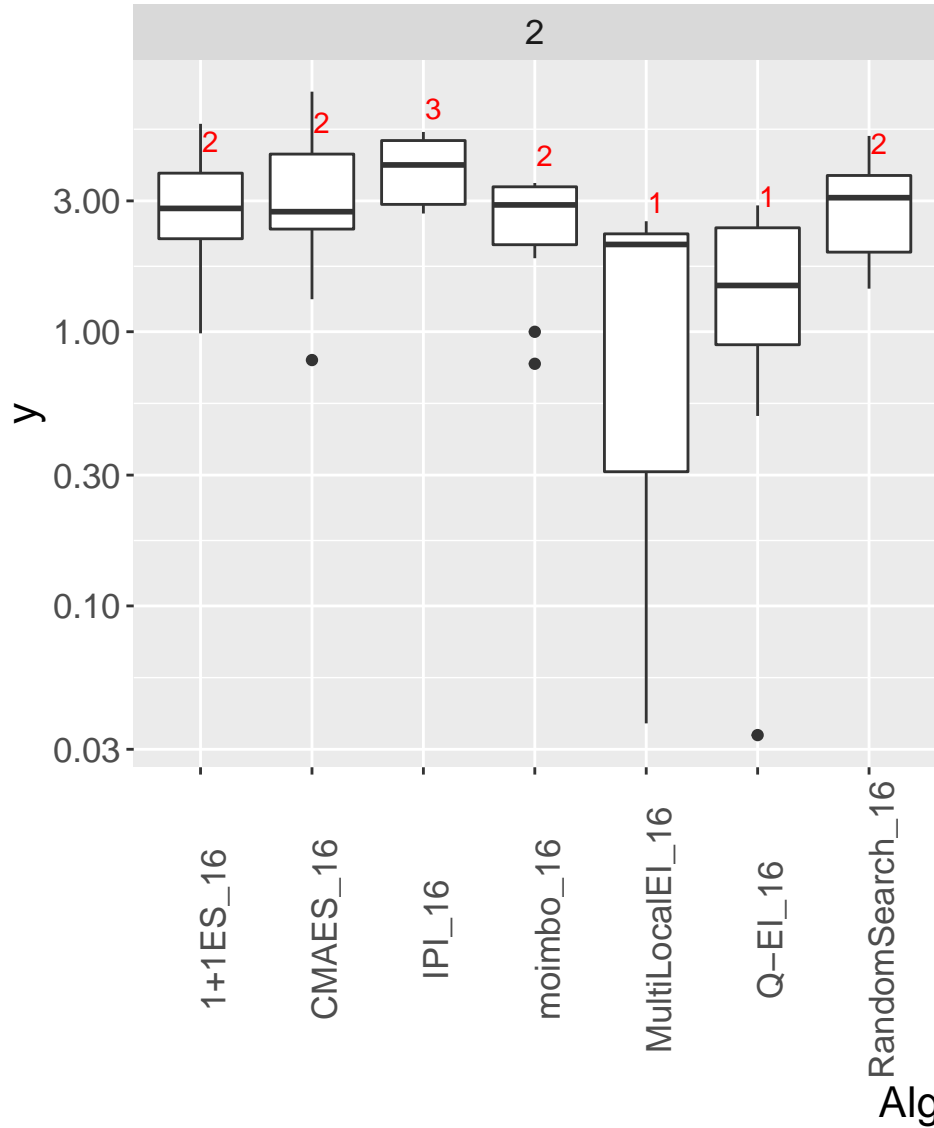




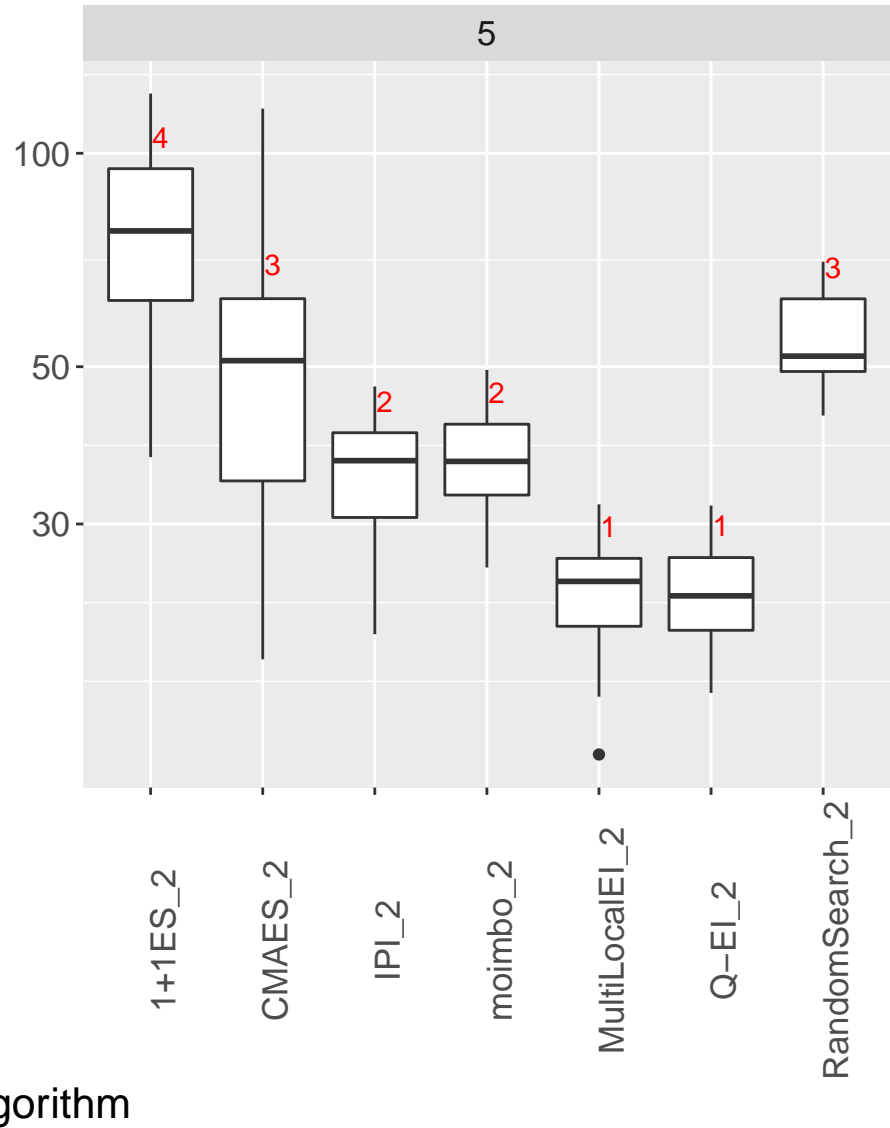
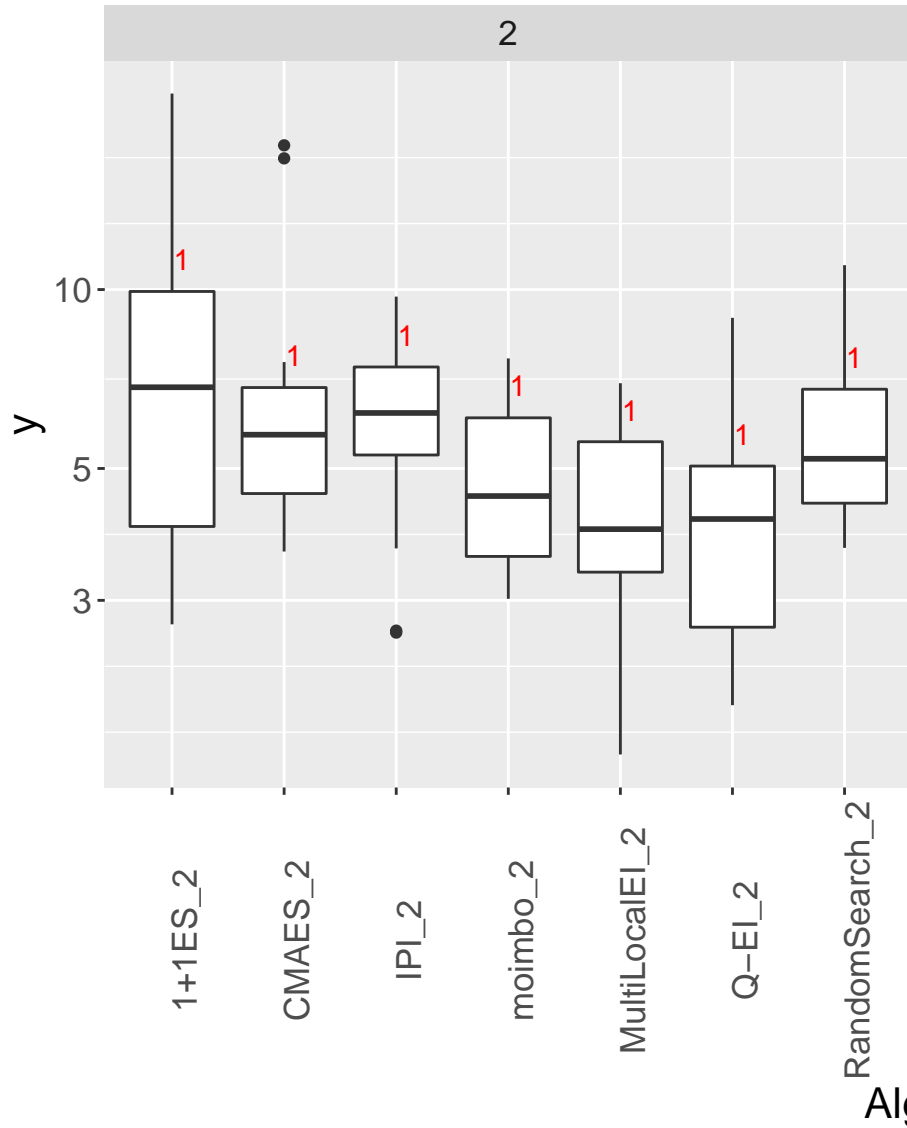


FunID: 23 – BatchSize: 8
Evaluation:





FunID: 24 – BatchSize: 2
Evaluation:



FunID: 24 – BatchSize: 4
Evaluation:

