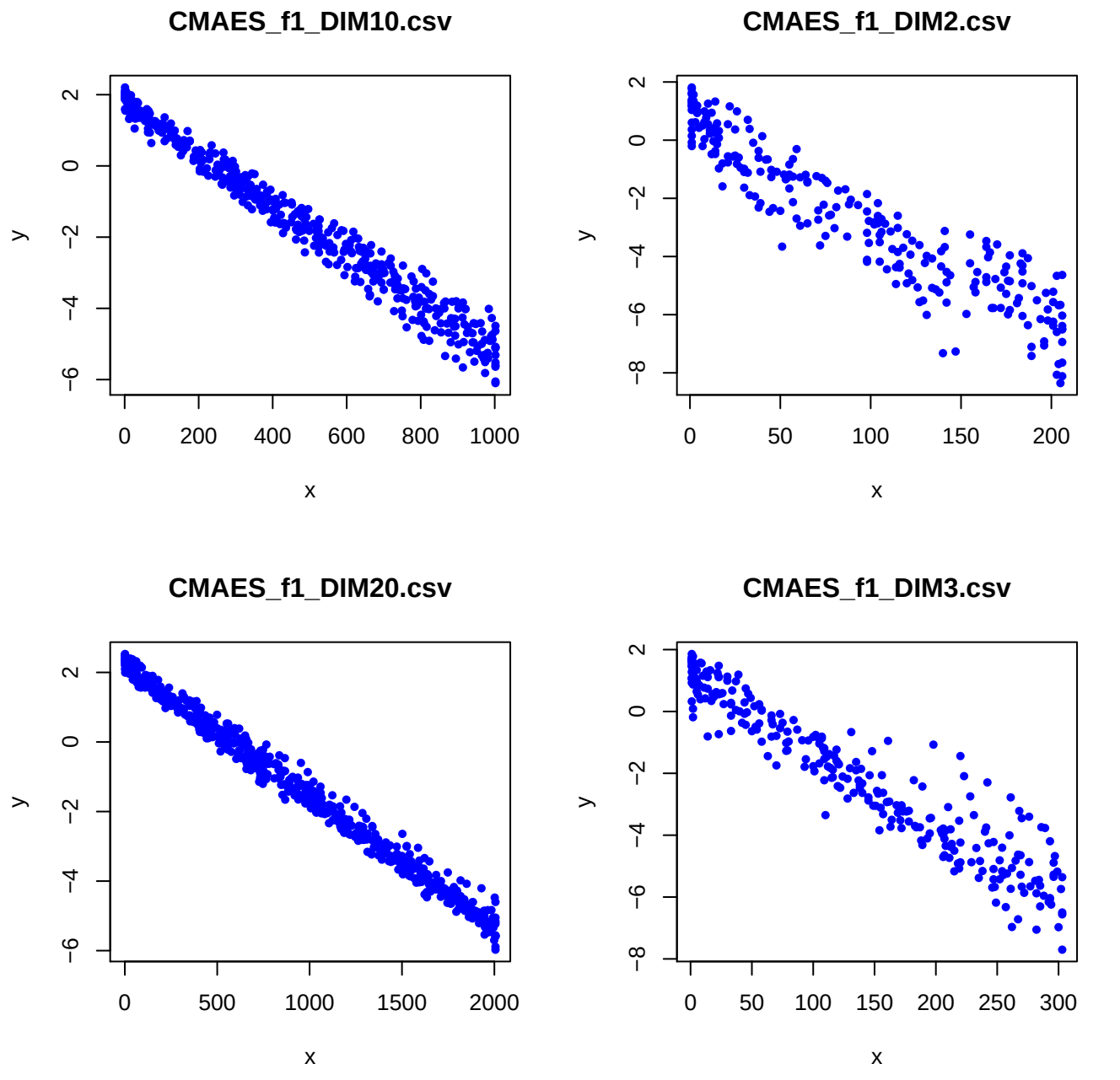
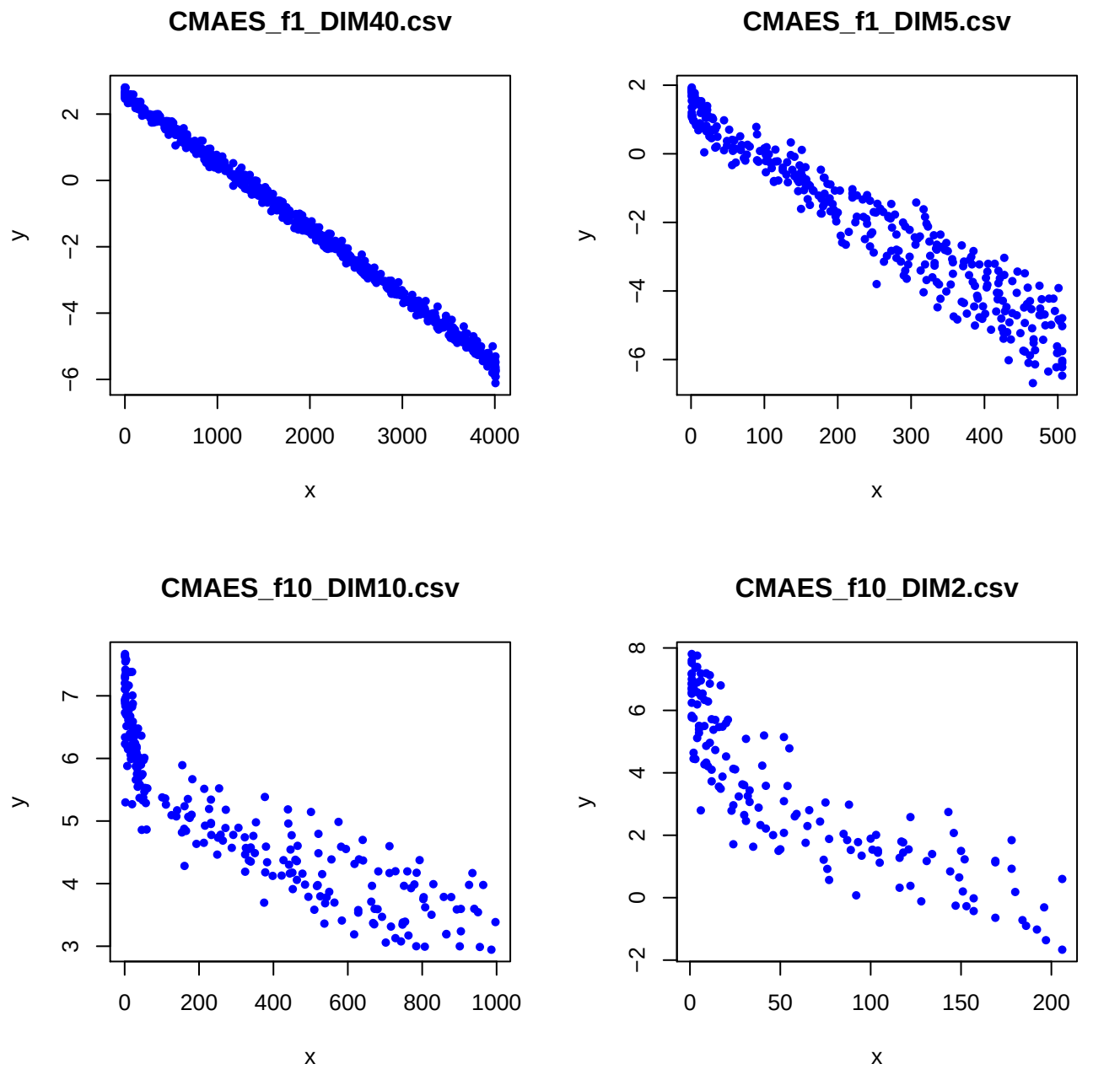
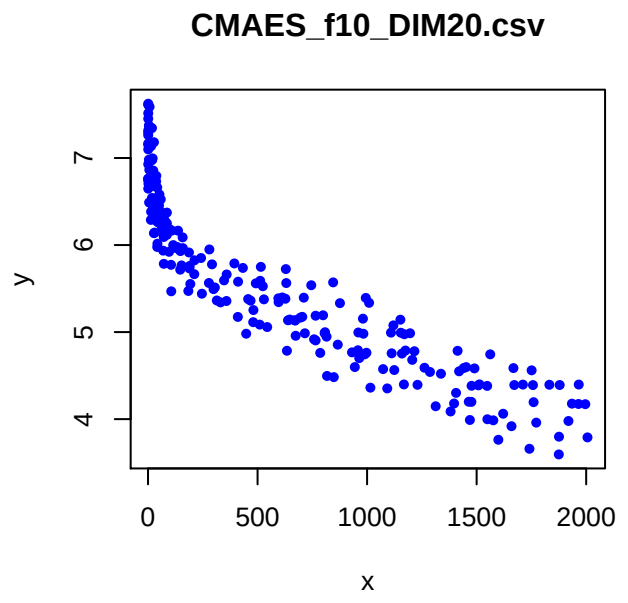
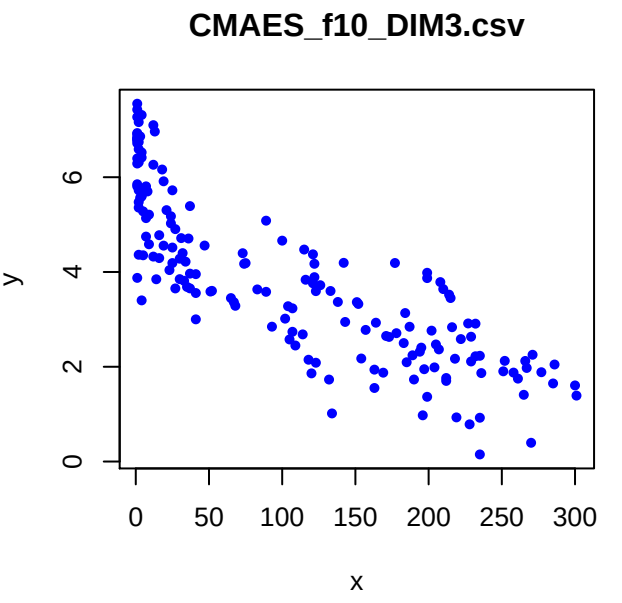
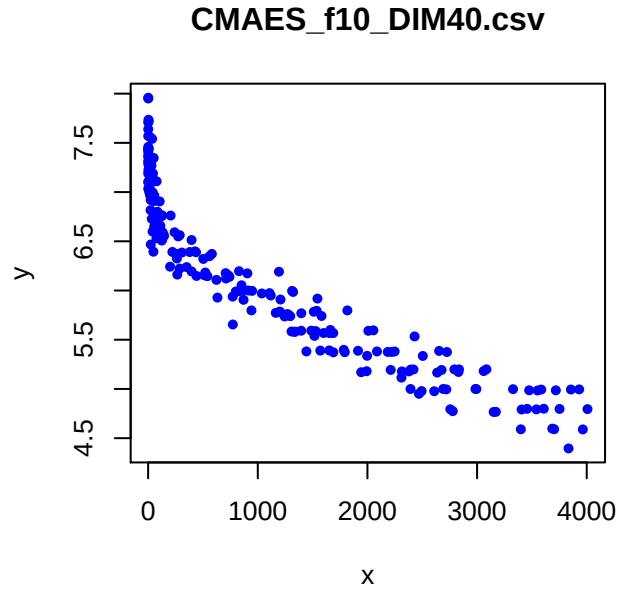
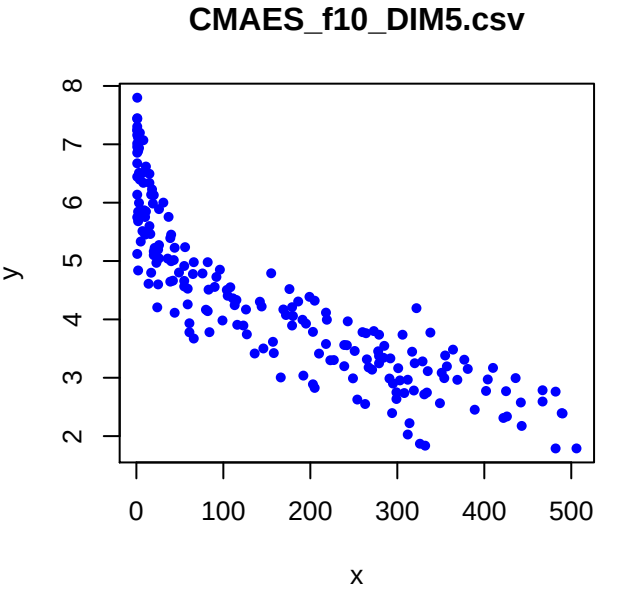

CMAES_f1_DIM10.csv
y
x
2
0
−2
−4
−6
0
200
400
600
800
1000
CMAES_f1_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
150
200
CMAES_f1_DIM20.csv
y
x
2
0
−2
−4
−6
0
500
1000
1500
2000
CMAES_f1_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
150
200
250
300

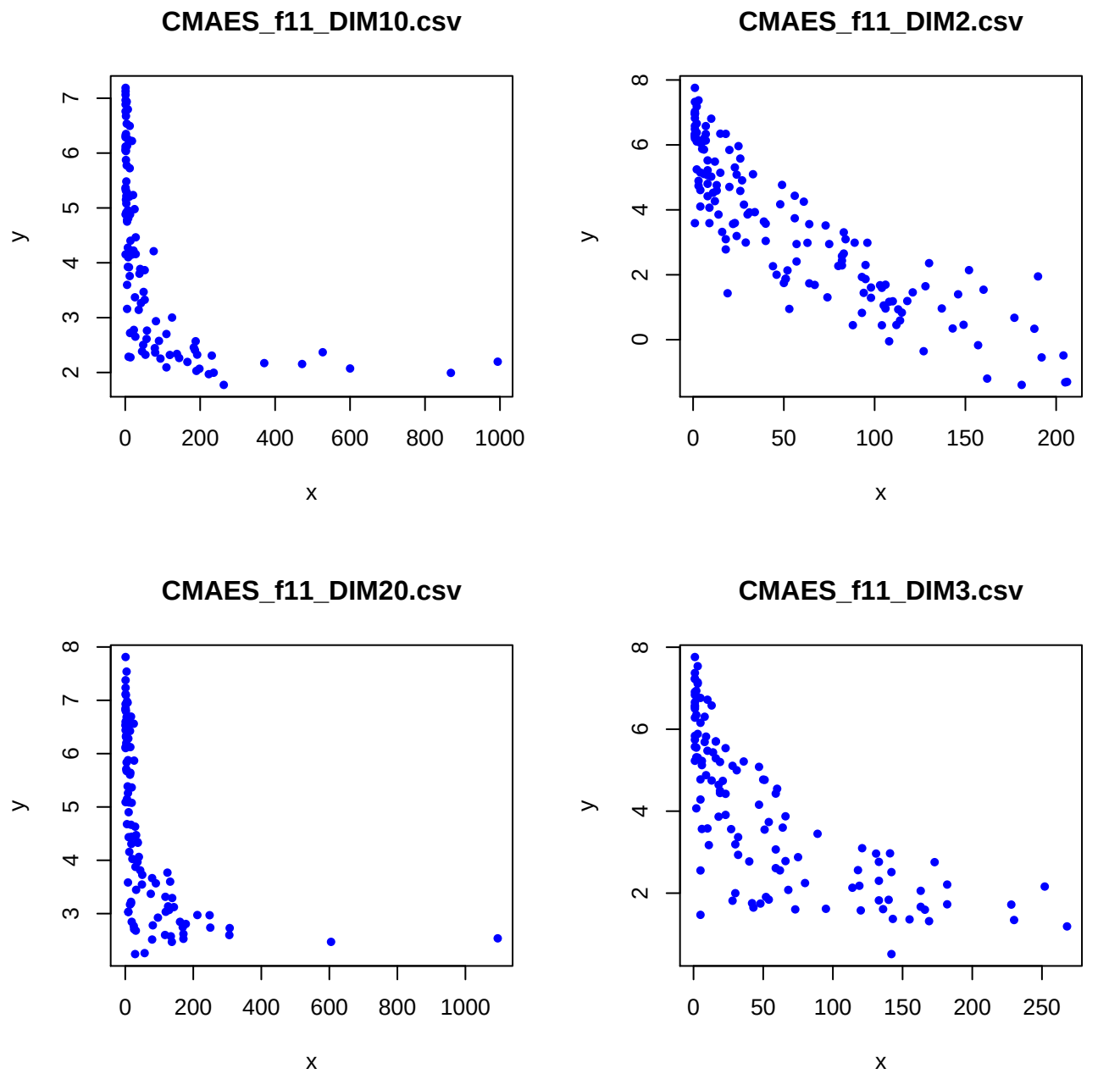

CMAES_f1_DIM40.csv
y
x
2
0
−2
−4
−6
0
1000
2000
3000
4000
CMAES_f1_DIM5.csv
y
x
2
0
−2
−4
−6
0
100
200
300
400
500
CMAES_f10_DIM10.csv
y
x
7
6
5
4
3
0
200
400
600
800
1000
CMAES_f10_DIM2.csv
y
x
8
6
4
2
0
−2
0
50
100
150
200

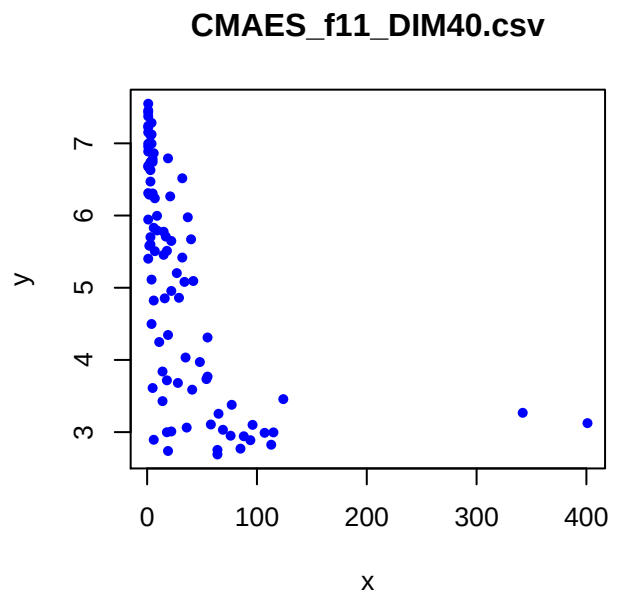

CMAES_f10_DIM20.csv
y
x
4
5
6
7
0
500
1000
1500
2000

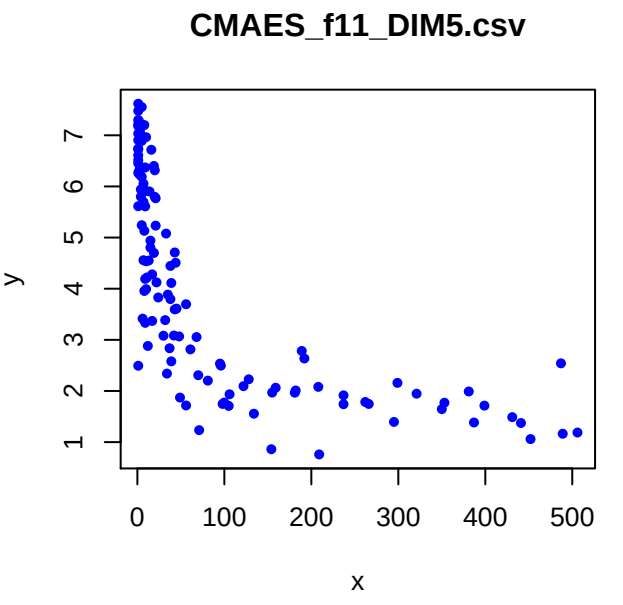

CMAES_f10_DIM3.csv
y
x
0
2
4
6
0
50
100
150
200
250
300

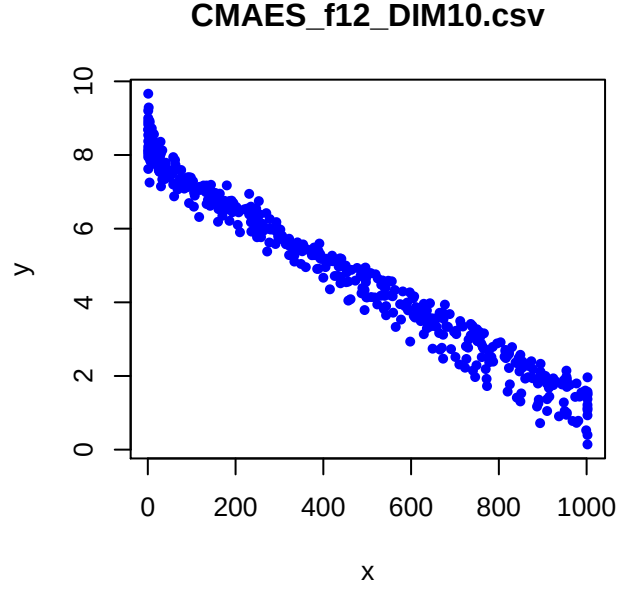

CMAES_f10_DIM40.csv
y
x
4.5
5.5
6.5
7.5
0
1000
2000
3000
4000

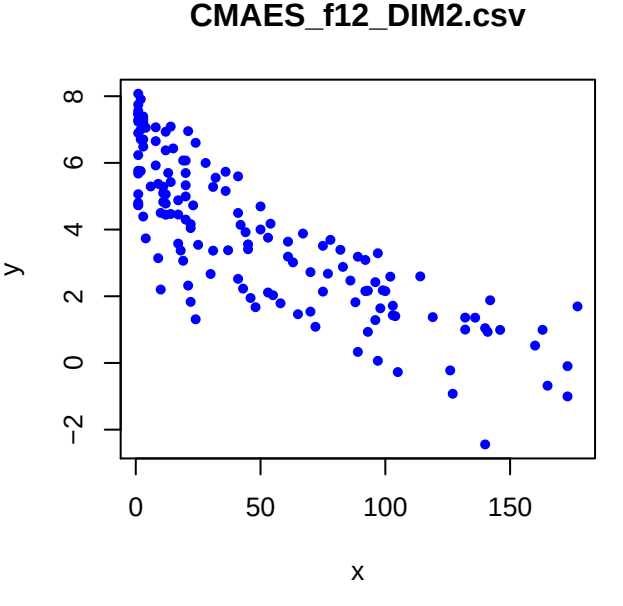

CMAES_f10_DIM5.csv
y
x
2
3
4
5
6
7
8
0
100
200
300
400
500

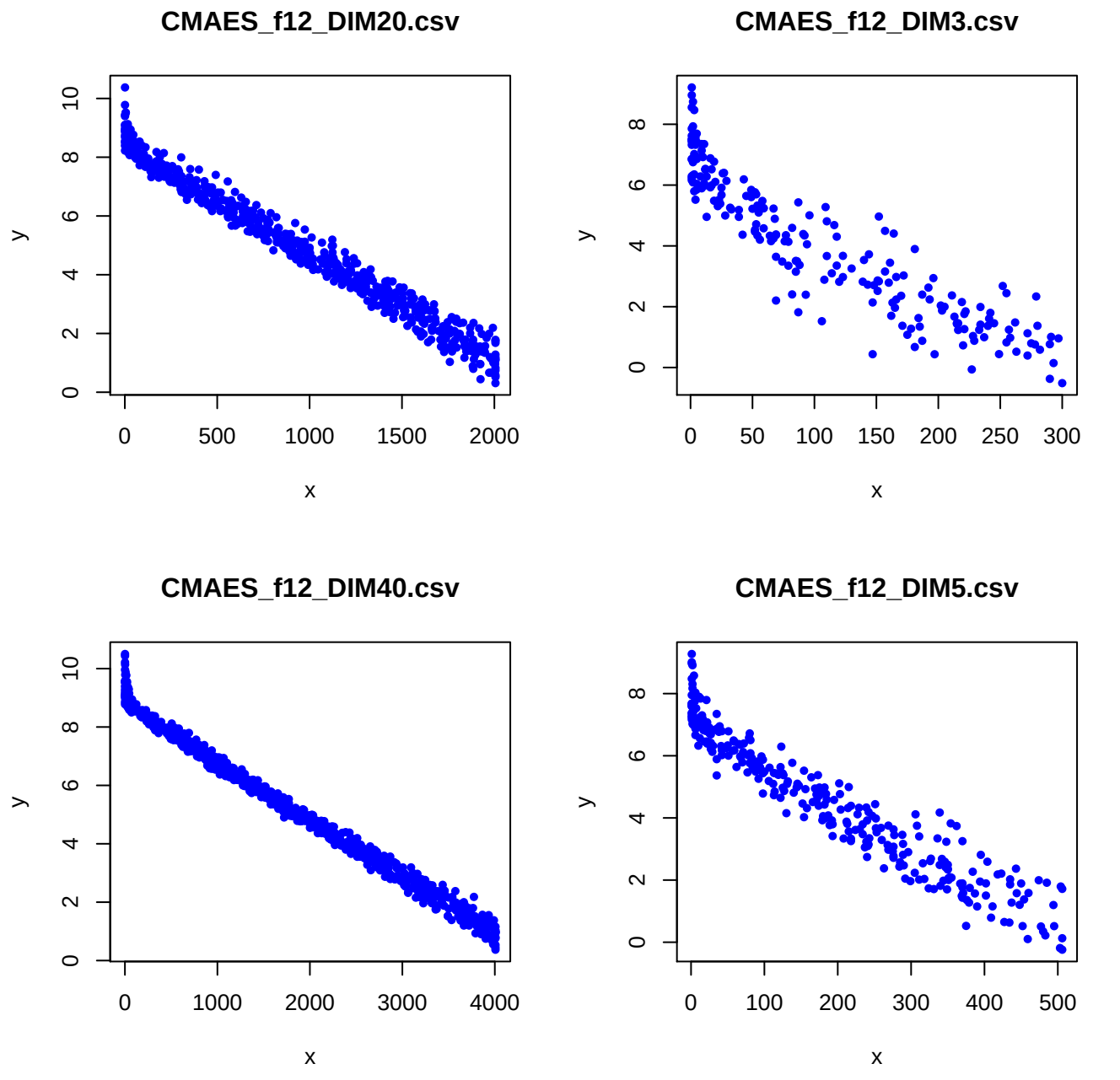

CMAES_f11_DIM10.csv
y
x
CMAES_f11_DIM2.csv
y
x
CMAES_f11_DIM20.csv
y
x
CMAES_f11_DIM3.csv
y
x

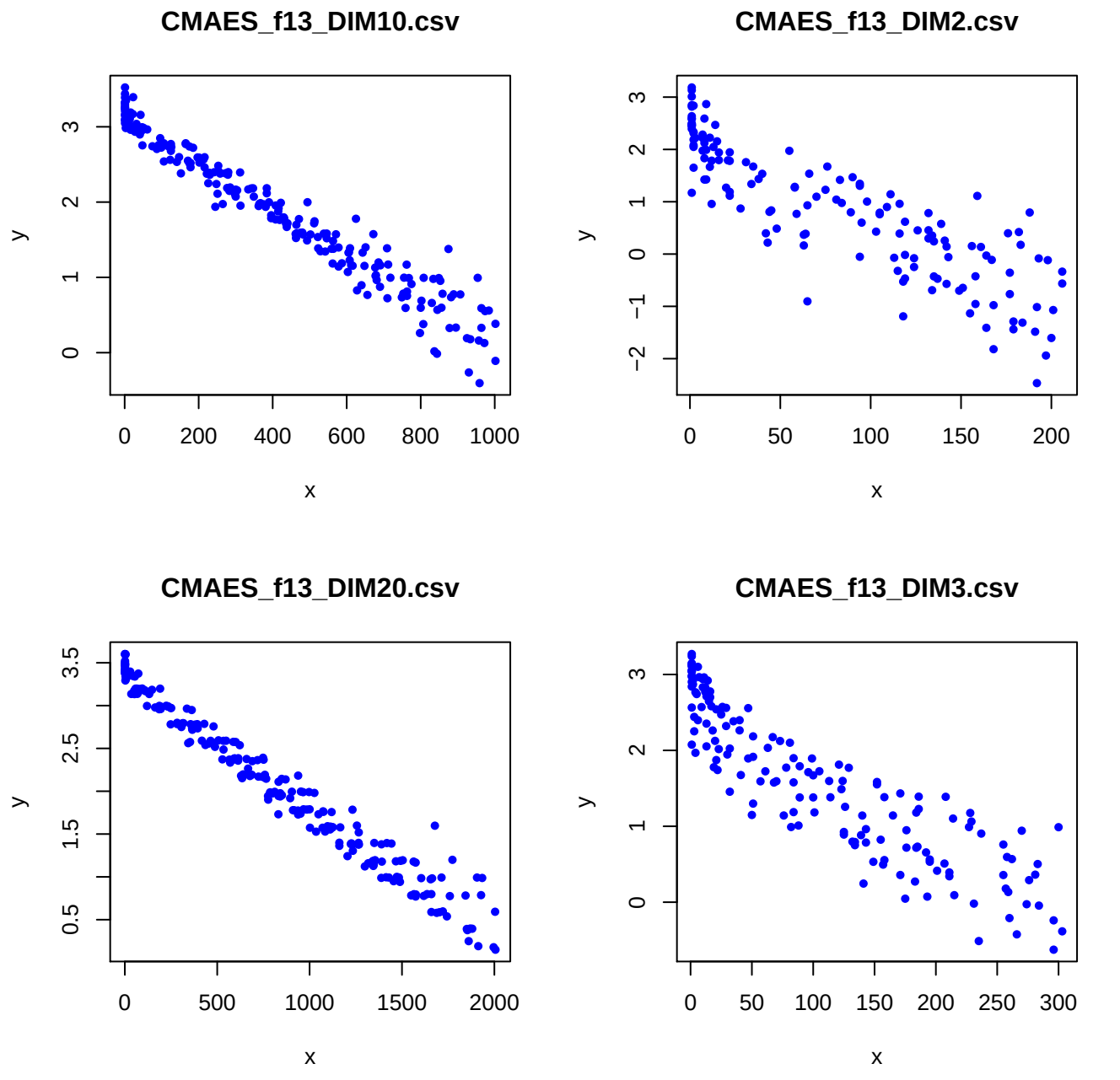

CMAES_f11_DIM40.csv
y
x
3
4
5
6
7
0
100
200
300
400

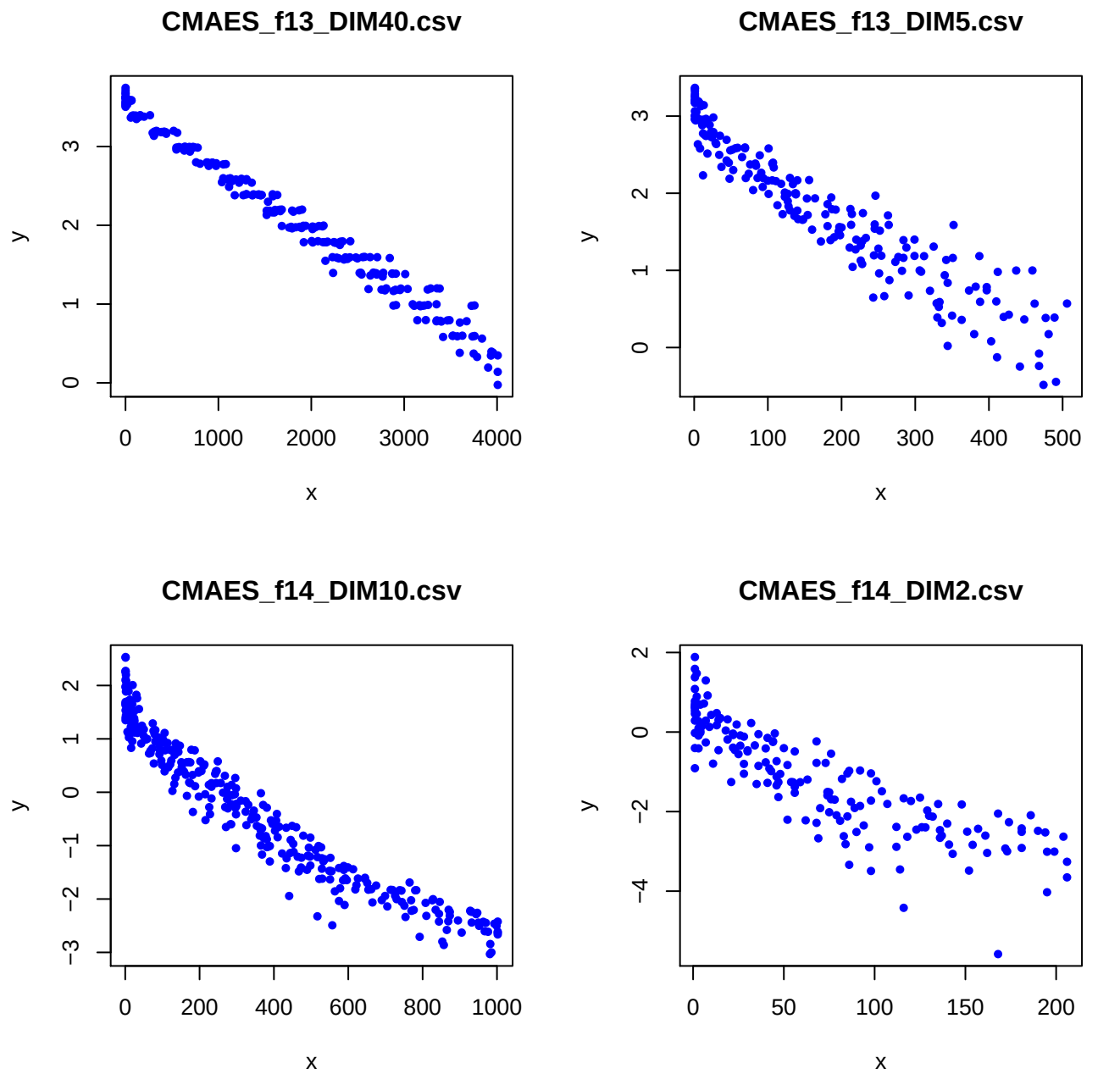

CMAES_f11_DIM5.csv
y
x
1
2
3
4
5
6
7
0
100
200
300
400
500

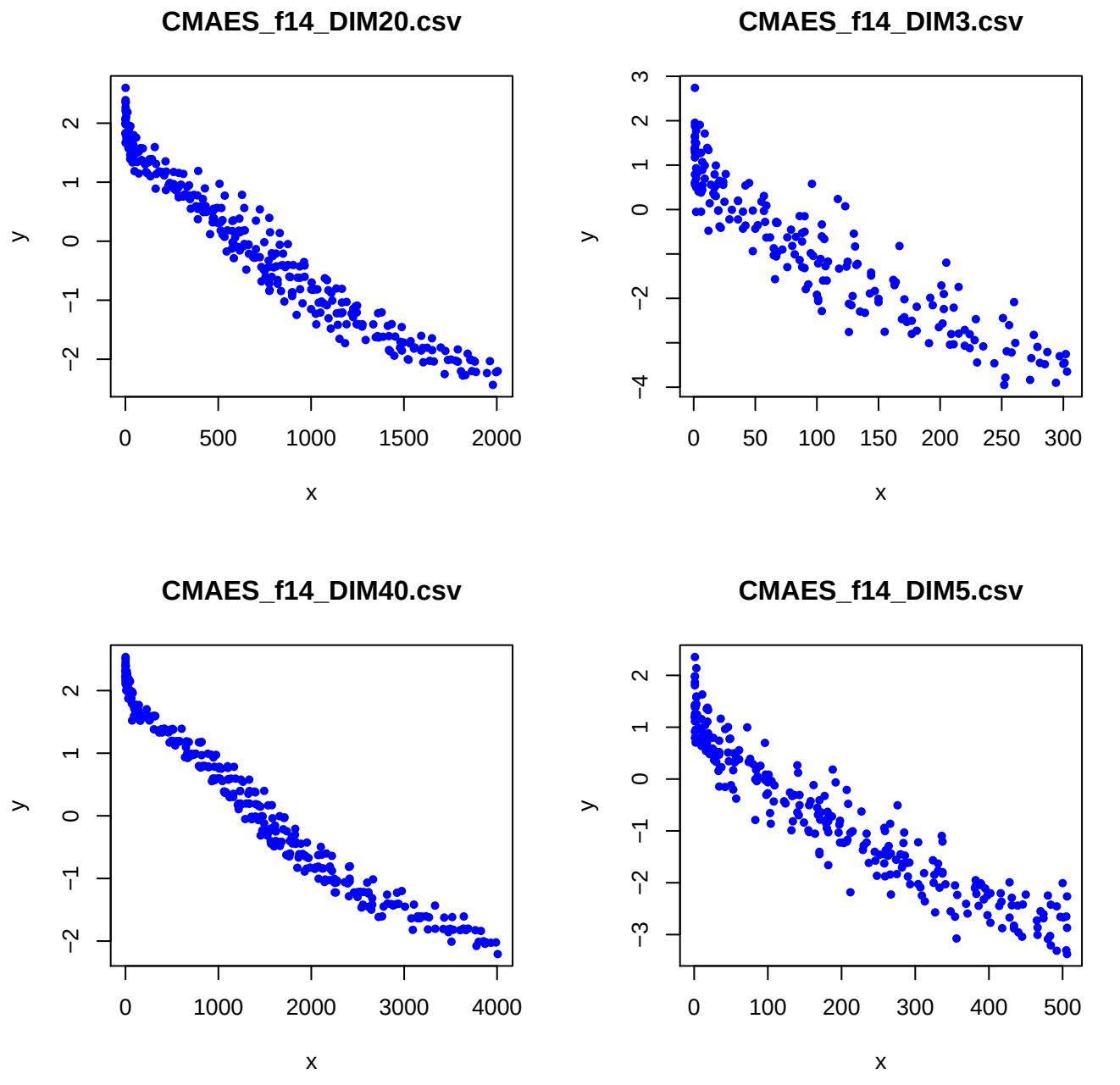

CMAES_f12_DIM10.csv
y
x
0
2
4
6
8
10
0
200
400
600
800
1000

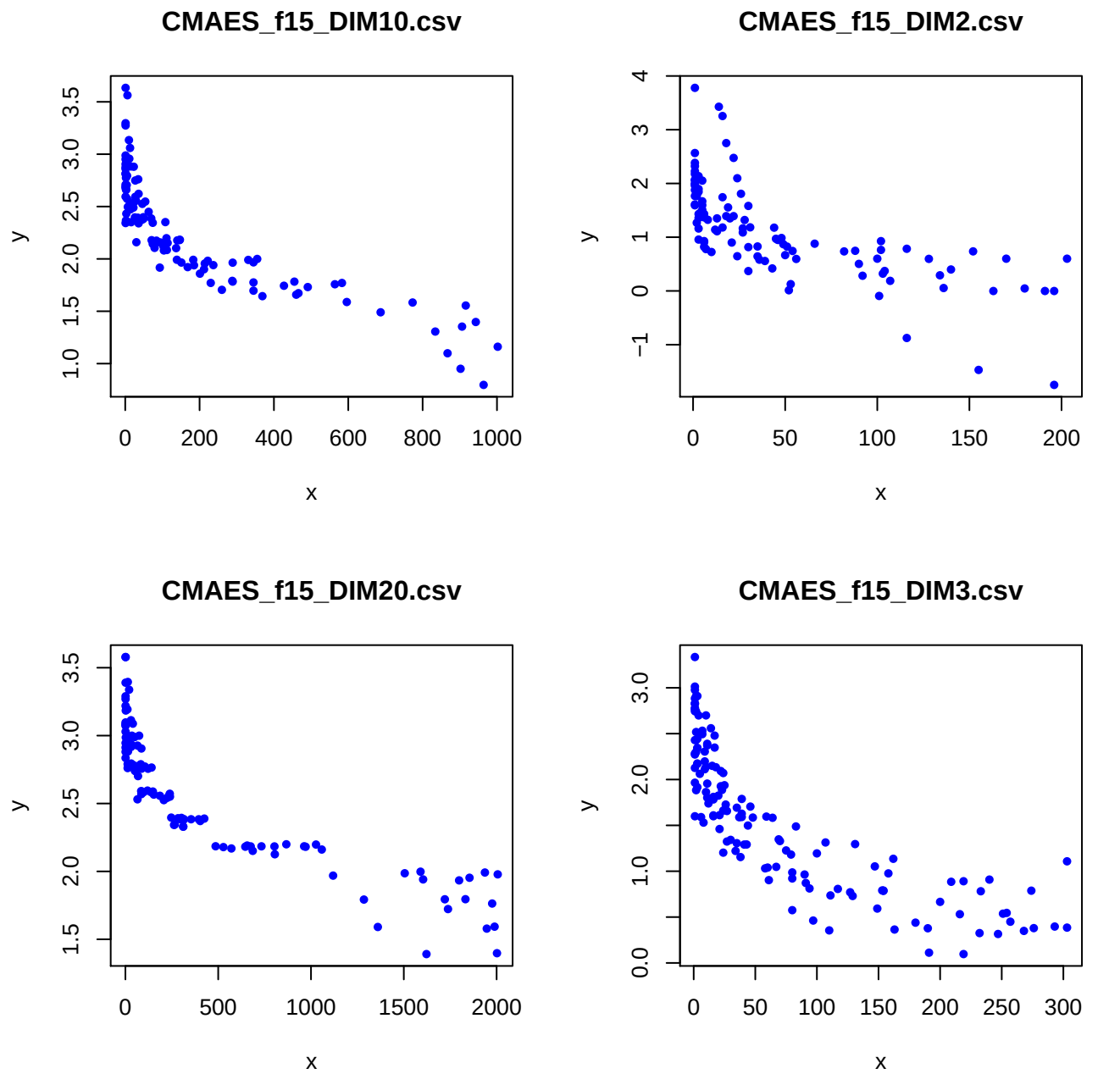

CMAES_f12_DIM2.csv
y
x
−2
0
2
4
6
8
0
50
100
150

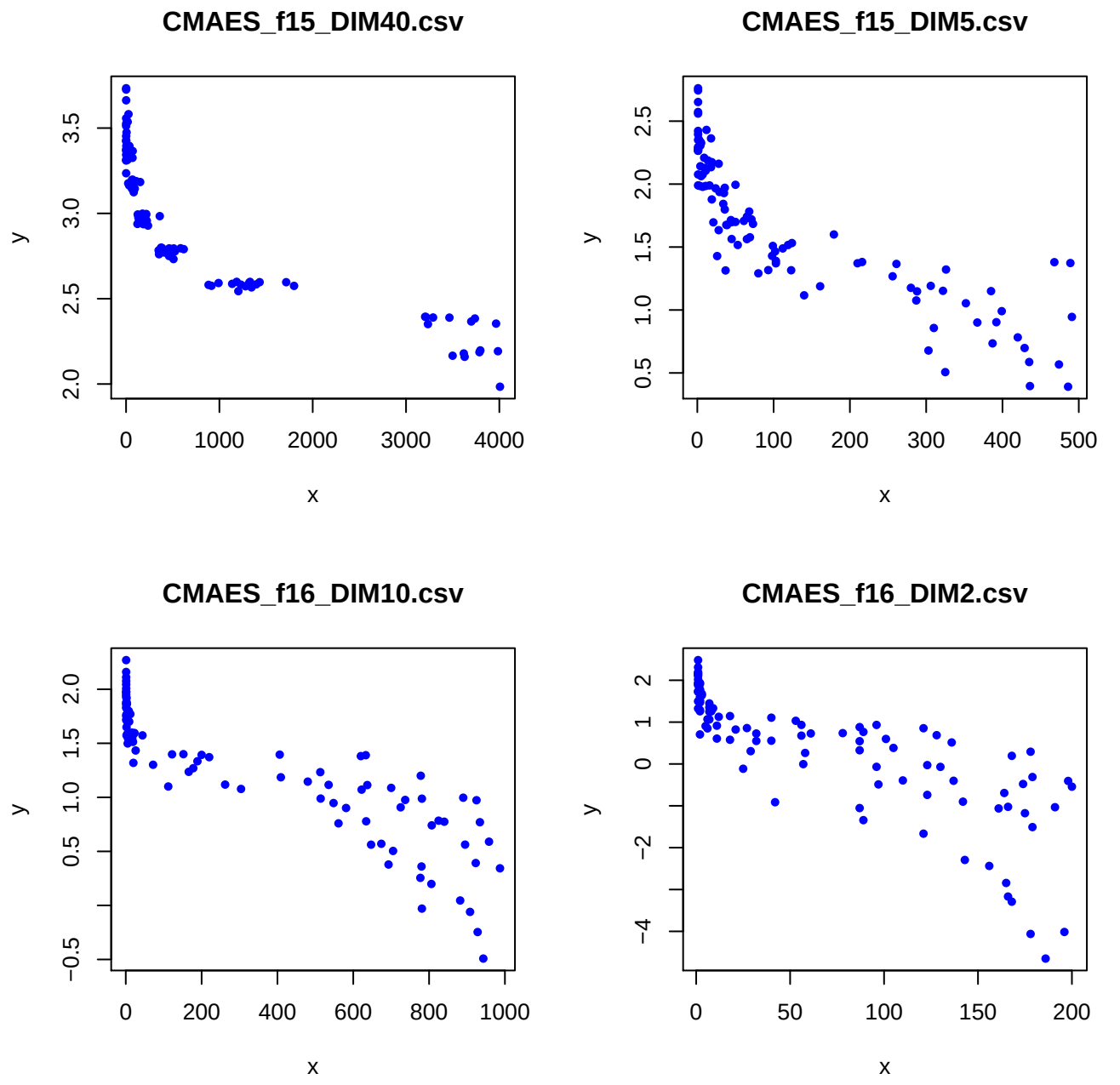

CMAES_f12_DIM20.csv
y
x
0
2
4
6
8
10
0
500
1000
1500
2000
CMAES_f12_DIM3.csv
y
x
0
2
4
6
8
0
50
100
150
200
250
300
CMAES_f12_DIM40.csv
y
x
0
2
4
6
8
10
0
1000
2000
3000
4000
CMAES_f12_DIM5.csv
y
x
0
2
4
6
8
0
100
200
300
400
500

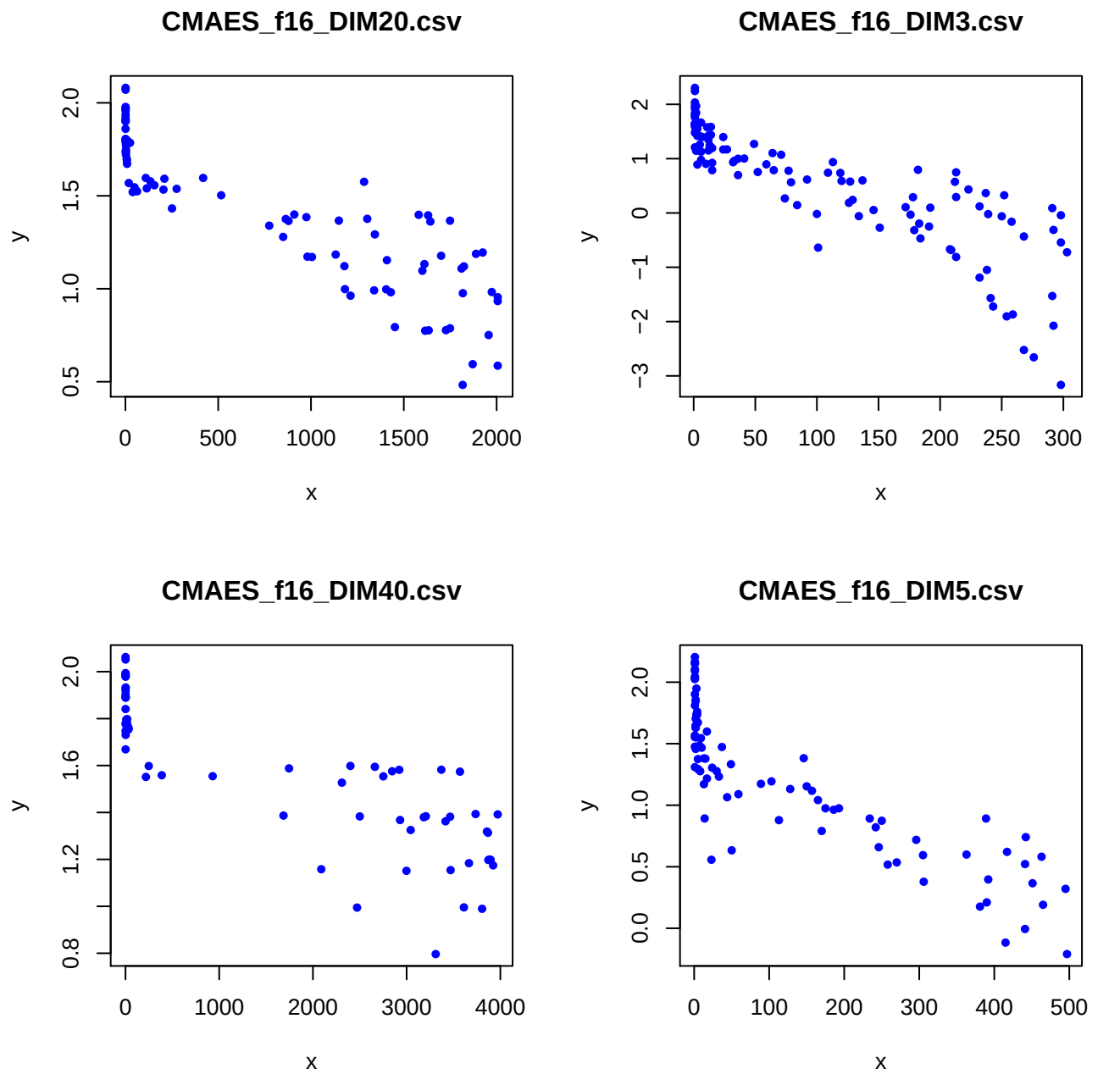

CMAES_f13_DIM10.csv
y
x
0
1
2
3
0
200
400
600
800
1000
CMAES_f13_DIM2.csv
y
x
−2
−1
0
1
2
3
0
50
100
150
200
CMAES_f13_DIM20.csv
y
x
0.5
1.5
2.5
3.5
0
500
1000
1500
2000
CMAES_f13_DIM3.csv
y
x
0
1
2
3
0
50
100
150
200
250
300

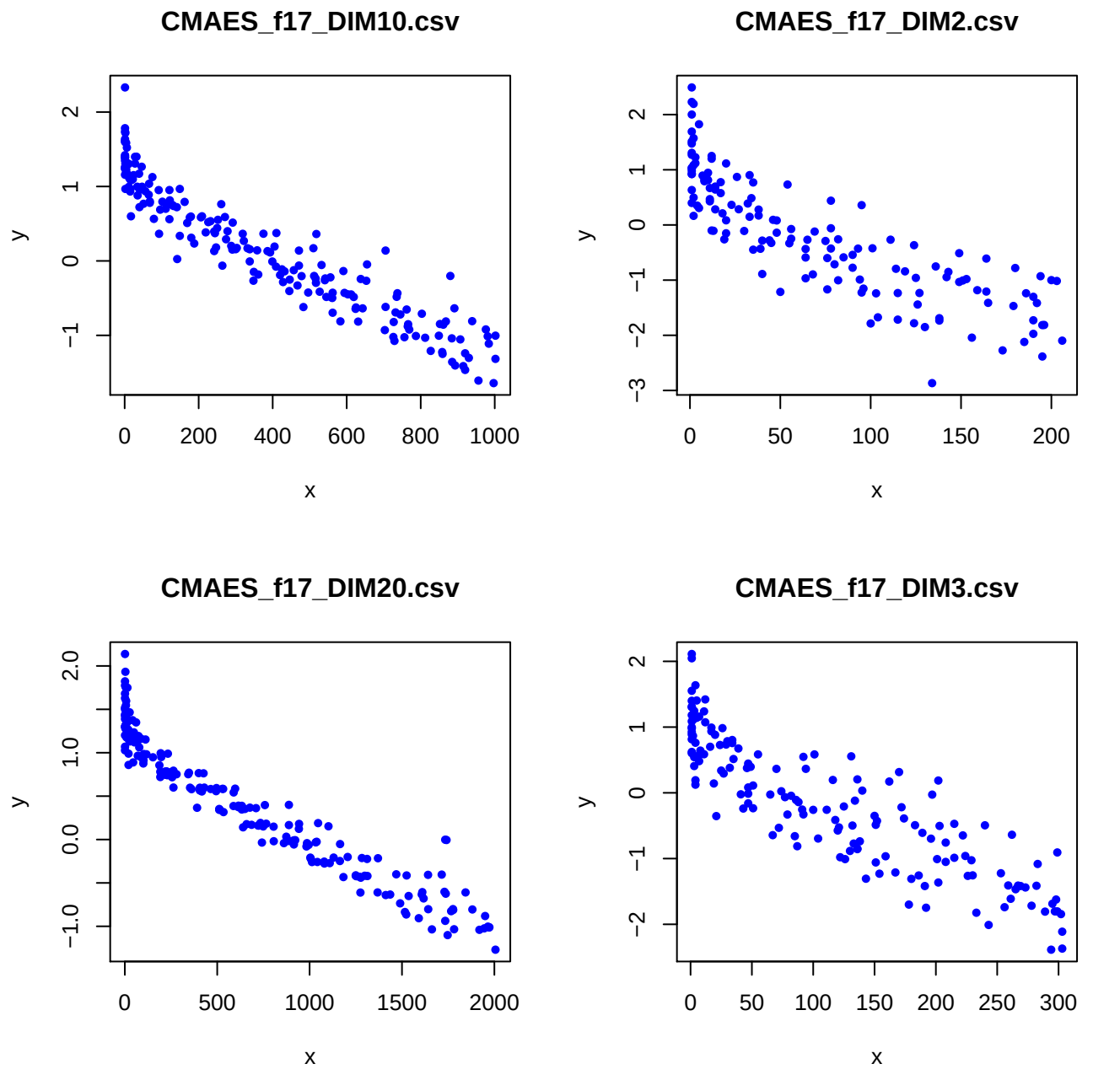

CMAES_f13_DIM40.csv
y
x
0
1
2
3
0
1000
2000
3000
4000
CMAES_f13_DIM5.csv
y
x
0
1
2
3
0
100
200
300
400
500
CMAES_f14_DIM10.csv
y
x
−3
−2
−1
0
1
2
0
200
400
600
800
1000
CMAES_f14_DIM2.csv
y
x
−4
−2
0
2
0
50
100
150
200

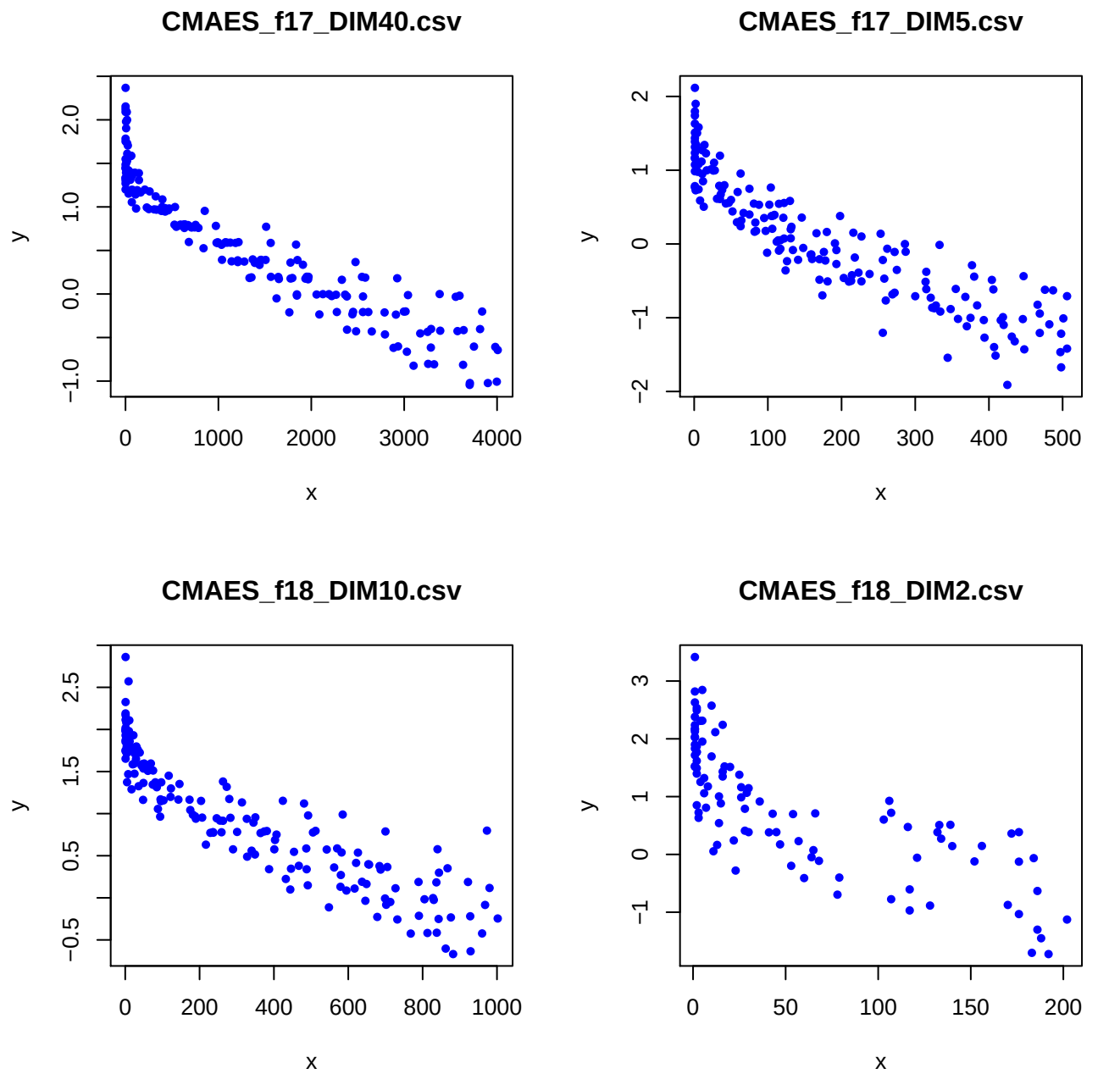

CMAES_f14_DIM20.csv
y
x
2
1
0
−1
−2
0
500
1000
1500
2000
CMAES_f14_DIM3.csv
y
x
3
2
1
0
−2
−4
0
50
100
150
200
250
300
CMAES_f14_DIM40.csv
y
x
2
1
0
−1
−2
0
1000
2000
3000
4000
CMAES_f14_DIM5.csv
y
x
2
1
0
−1
−2
−3
0
100
200
300
400
500

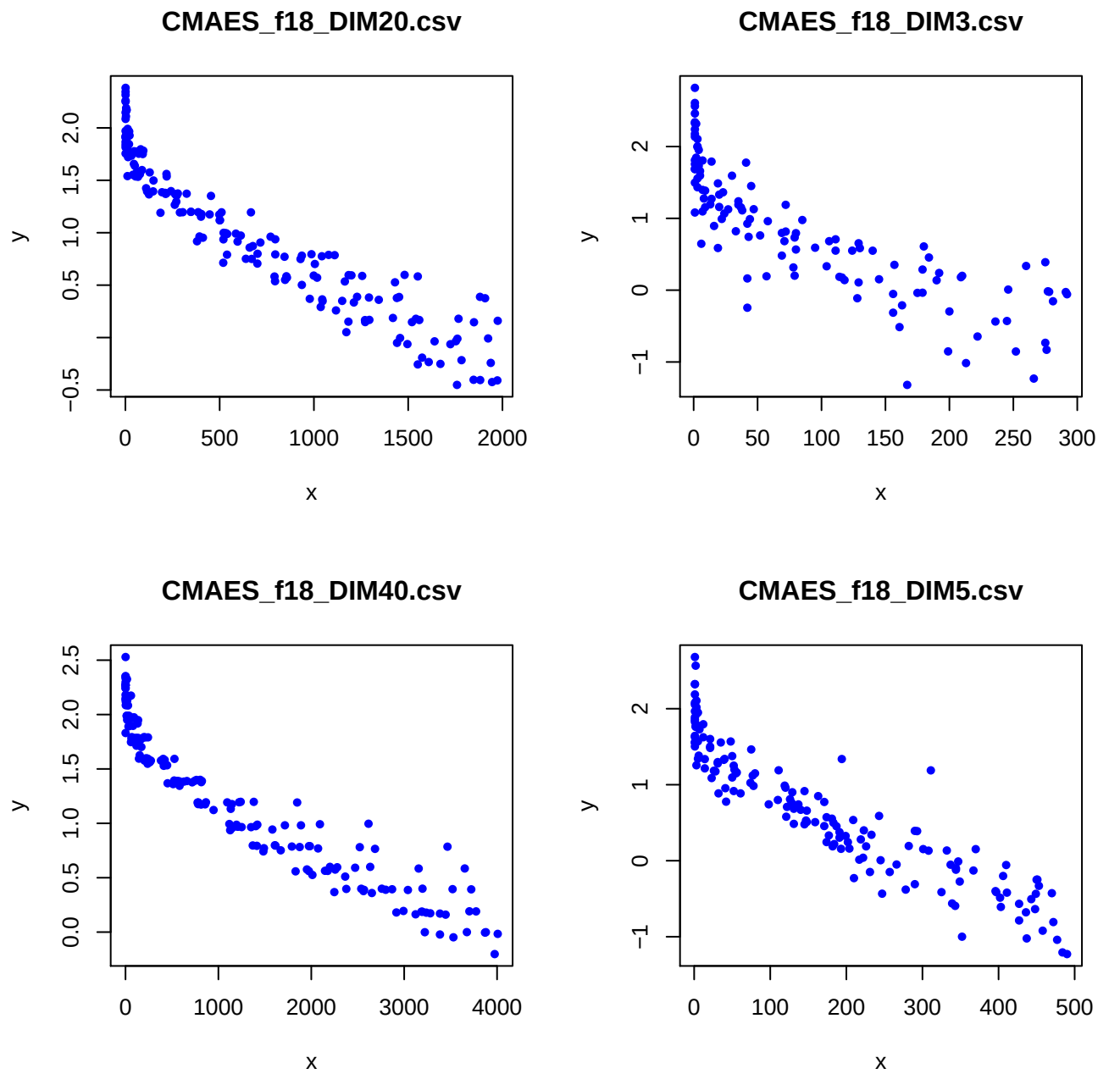

CMAES_f15_DIM10.csv
y
x
1.0
1.5
2.0
2.5
3.0
3.5
0
200
400
600
800
1000
CMAES_f15_DIM2.csv
y
x
−1
0
1
2
3
4
0
50
100
150
200
CMAES_f15_DIM20.csv
y
x
1.5
2.0
2.5
3.0
3.5
0
500
1000
1500
2000
CMAES_f15_DIM3.csv
y
x
0.0
1.0
2.0
3.0
0
50
100
150
200
250
300

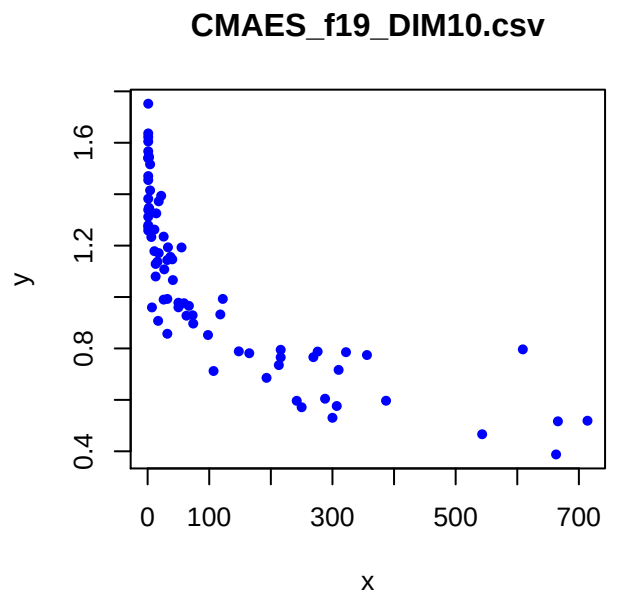

CMAES_f15_DIM40.csv
y
x
2.0
2.5
3.0
3.5
0
1000
2000
3000
4000
CMAES_f15_DIM5.csv
y
x
0.5
1.0
1.5
2.0
2.5
0
100
200
300
400
500
CMAES_f16_DIM10.csv
y
x
−0.5
0.5
1.0
1.5
2.0
0
200
400
600
800
1000
CMAES_f16_DIM2.csv
y
x
−4
−2
0
1
2
0
50
100
150
200

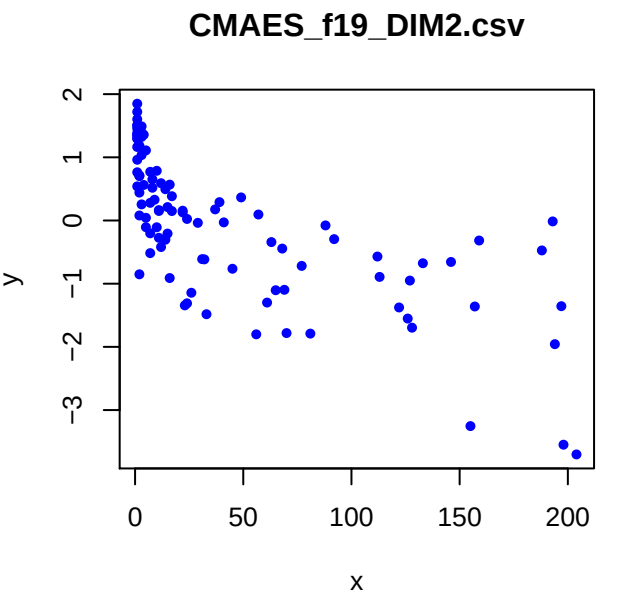

CMAES_f16_DIM20.csv
y
x
0.5
1.0
1.5
2.0
0
500
1000
1500
2000
CMAES_f16_DIM3.csv
y
x
−3
−2
−1
0
1
2
0
50
100
150
200
250
300
CMAES_f16_DIM40.csv
y
x
0.8
1.2
1.6
2.0
0
1000
2000
3000
4000
CMAES_f16_DIM5.csv
y
x
0.0
0.5
1.0
1.5
2.0
0
100
200
300
400
500

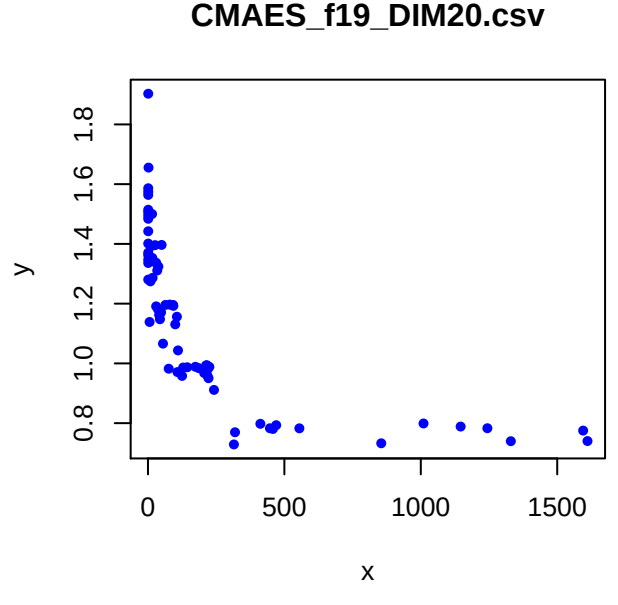

CMAES_f17_DIM10.csv
y
x
2
1
0
−1
0
200
400
600
800
1000
CMAES_f17_DIM2.csv
y
x
2
1
0
−1
−2
−3
0
50
100
150
200
CMAES_f17_DIM20.csv
y
x
2.0
1.0
0.0
−1.0
0
500
1000
1500
2000
CMAES_f17_DIM3.csv
y
x
2
1
0
−1
−2
0
50
100
150
200
250
300

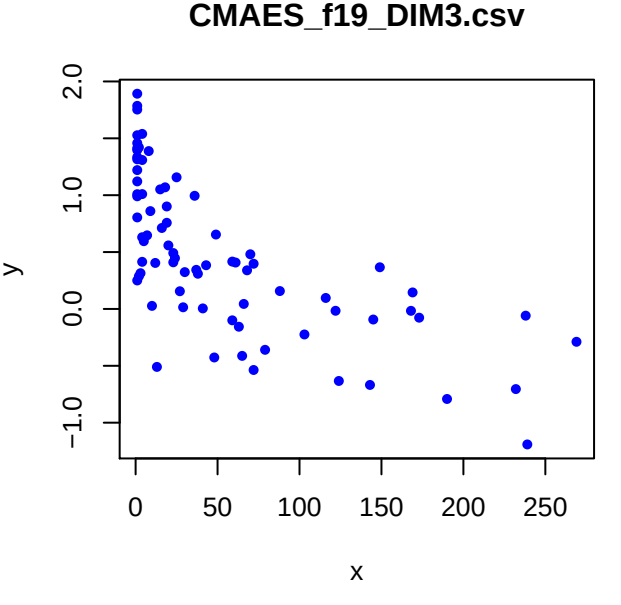

CMAES_f17_DIM40.csv
y
x
2.0
1.0
0.0
−1.0
0
1000
2000
3000
4000
CMAES_f17_DIM5.csv
y
x
2
1
0
−1
−2
0
100
200
300
400
500
CMAES_f18_DIM10.csv
y
x
2.5
1.5
0.5
−0.5
0
200
400
600
800
1000
CMAES_f18_DIM2.csv
y
x
3
2
1
0
−1
0
50
100
150
200

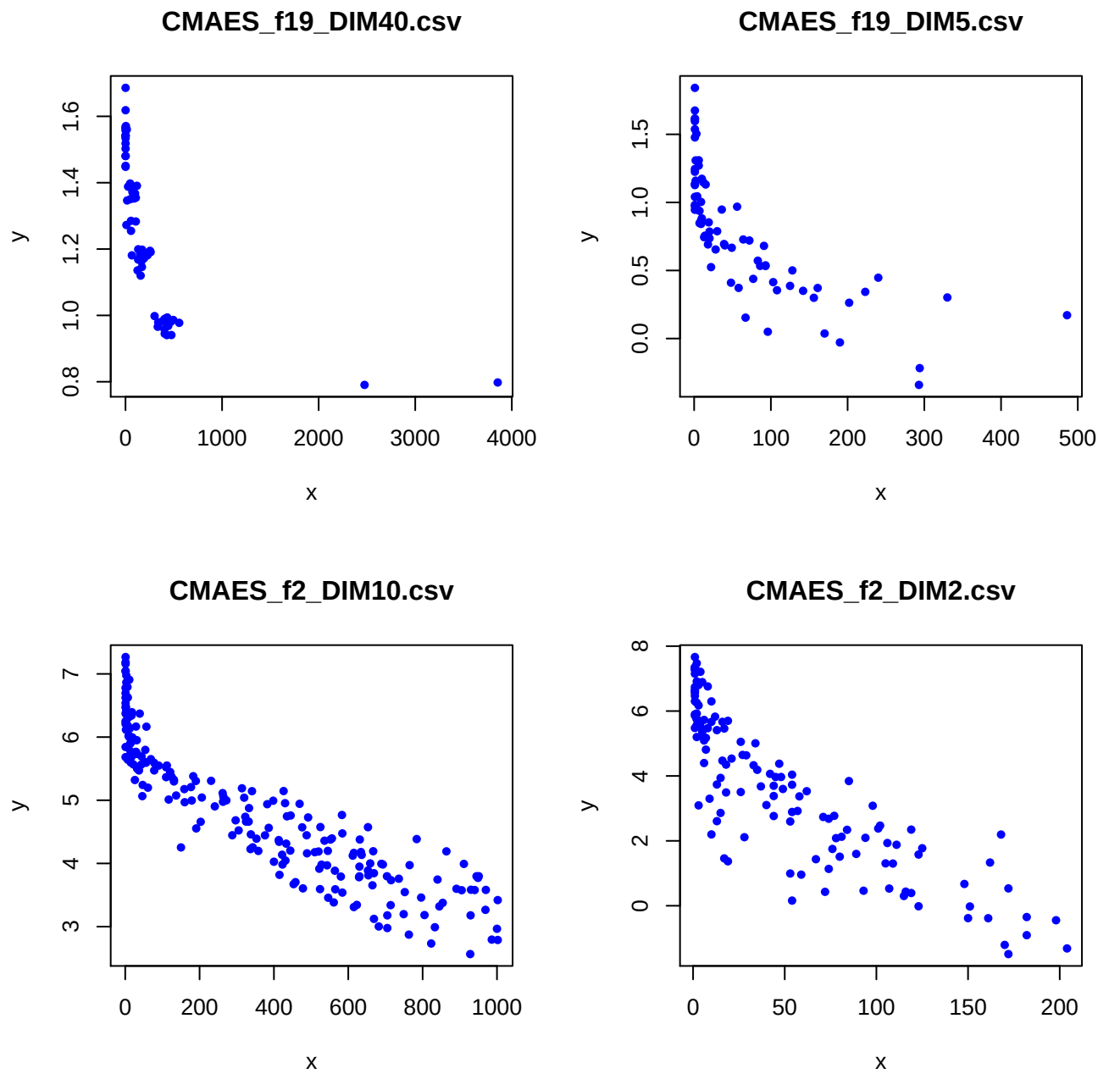

CMAES_f18_DIM20.csv
y
x
−0.5
0.5
1.0
1.5
2.0
0
500
1000
1500
2000
CMAES_f18_DIM3.csv
y
x
−1
0
1
2
0
50
100
150
200
250
300
CMAES_f18_DIM40.csv
y
x
0.0
0.5
1.0
1.5
2.0
2.5
0
1000
2000
3000
4000
CMAES_f18_DIM5.csv
y
x
−1
0
1
2
0
100
200
300
400
500

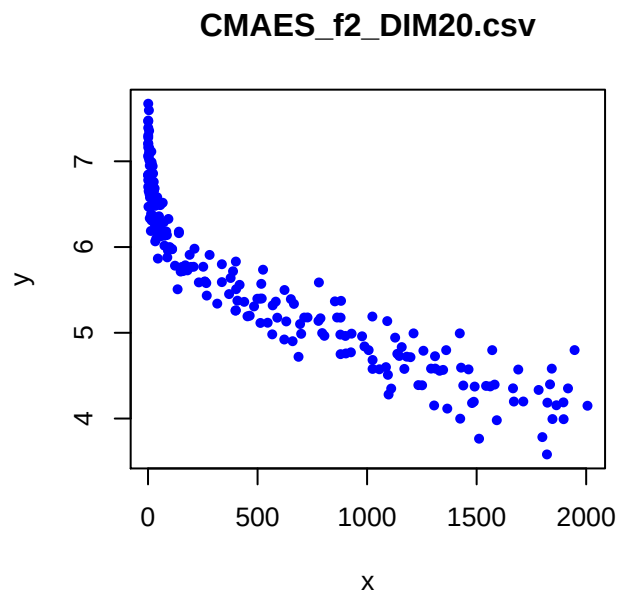

CMAES_f19_DIM10.csv
y
0.4
0.8
1.2
1.6
0
100
300
500
700
x

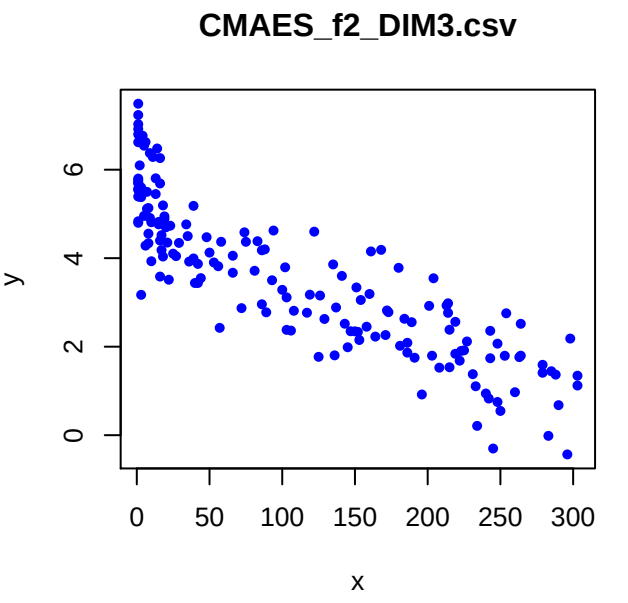

CMAES_f19_DIM2.csv
y
−3
−2
−1
0
1
2
0
50
100
150
200
x

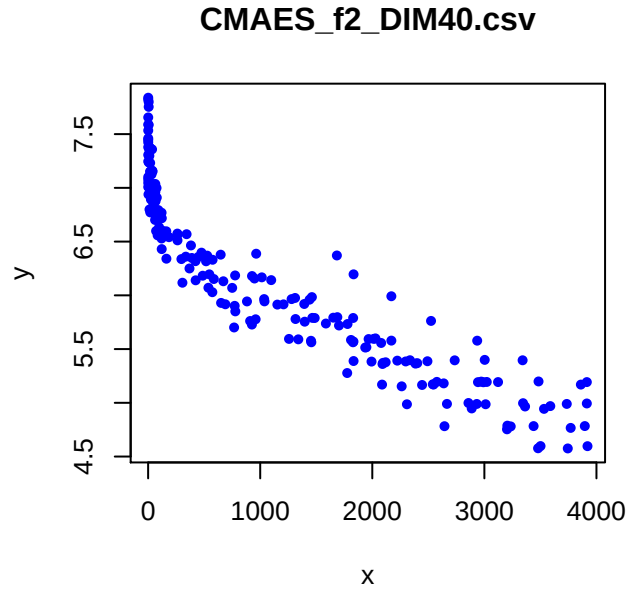

CMAES_f19_DIM20.csv
y
0.8
1.0
1.2
1.4
1.6
1.8
0
500
1000
1500
x

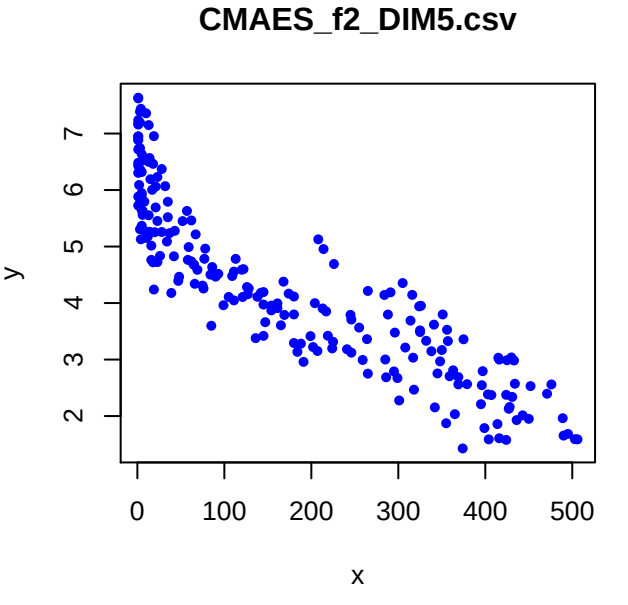

CMAES_f19_DIM3.csv
y
−1.0
0.0
1.0
2.0
0
50
100
150
200
250
x

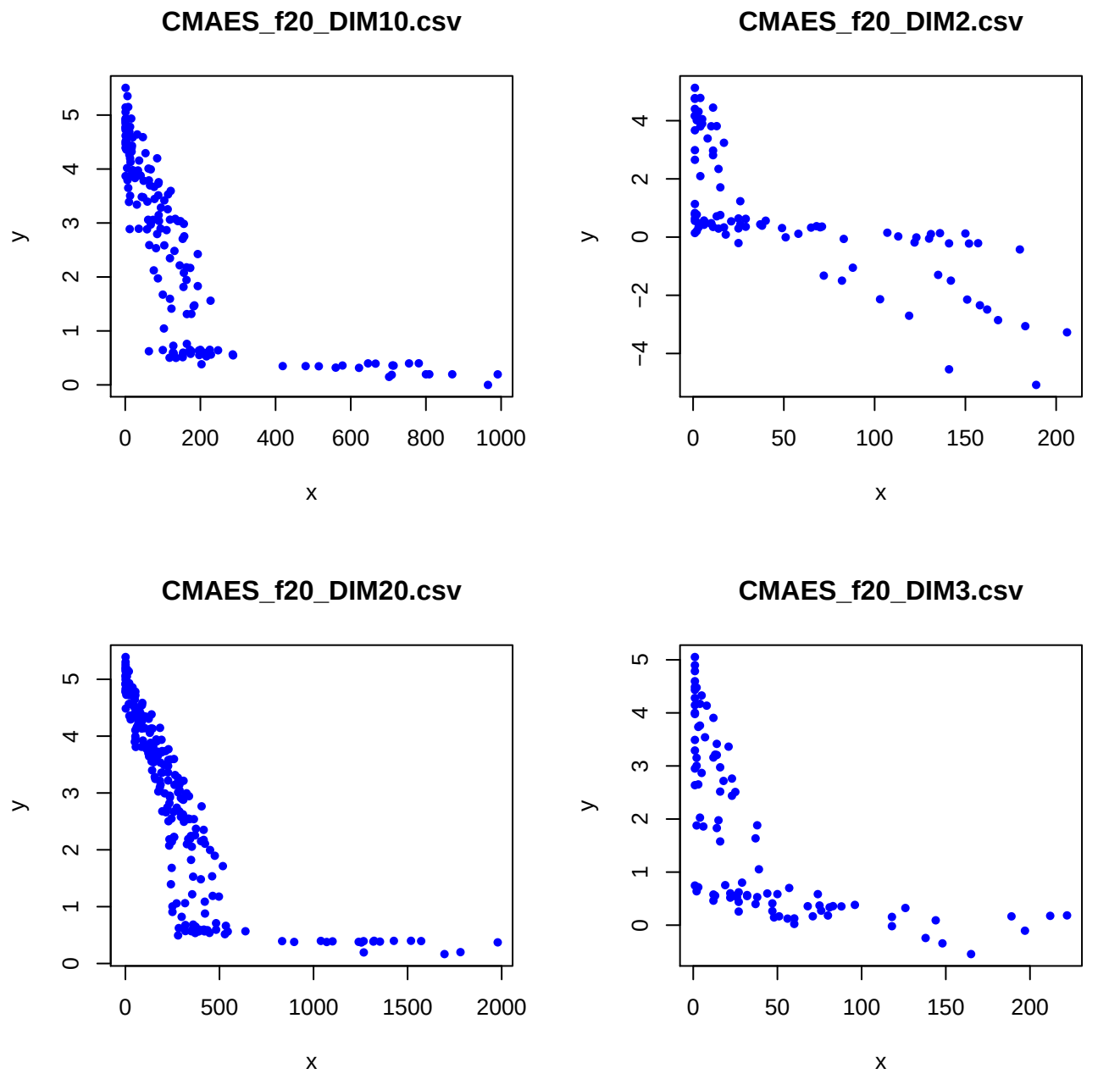

CMAES_f19_DIM40.csv
y
0.8
1.0
1.2
1.4
1.6
0
1000
2000
3000
4000
x
CMAES_f19_DIM5.csv
y
0.0
0.5
1.0
1.5
0
100
200
300
400
500
x
CMAES_f2_DIM10.csv
y
3
4
5
6
7
0
200
400
600
800
1000
x
CMAES_f2_DIM2.csv
y
0
2
4
6
8
0
50
100
150
200
x

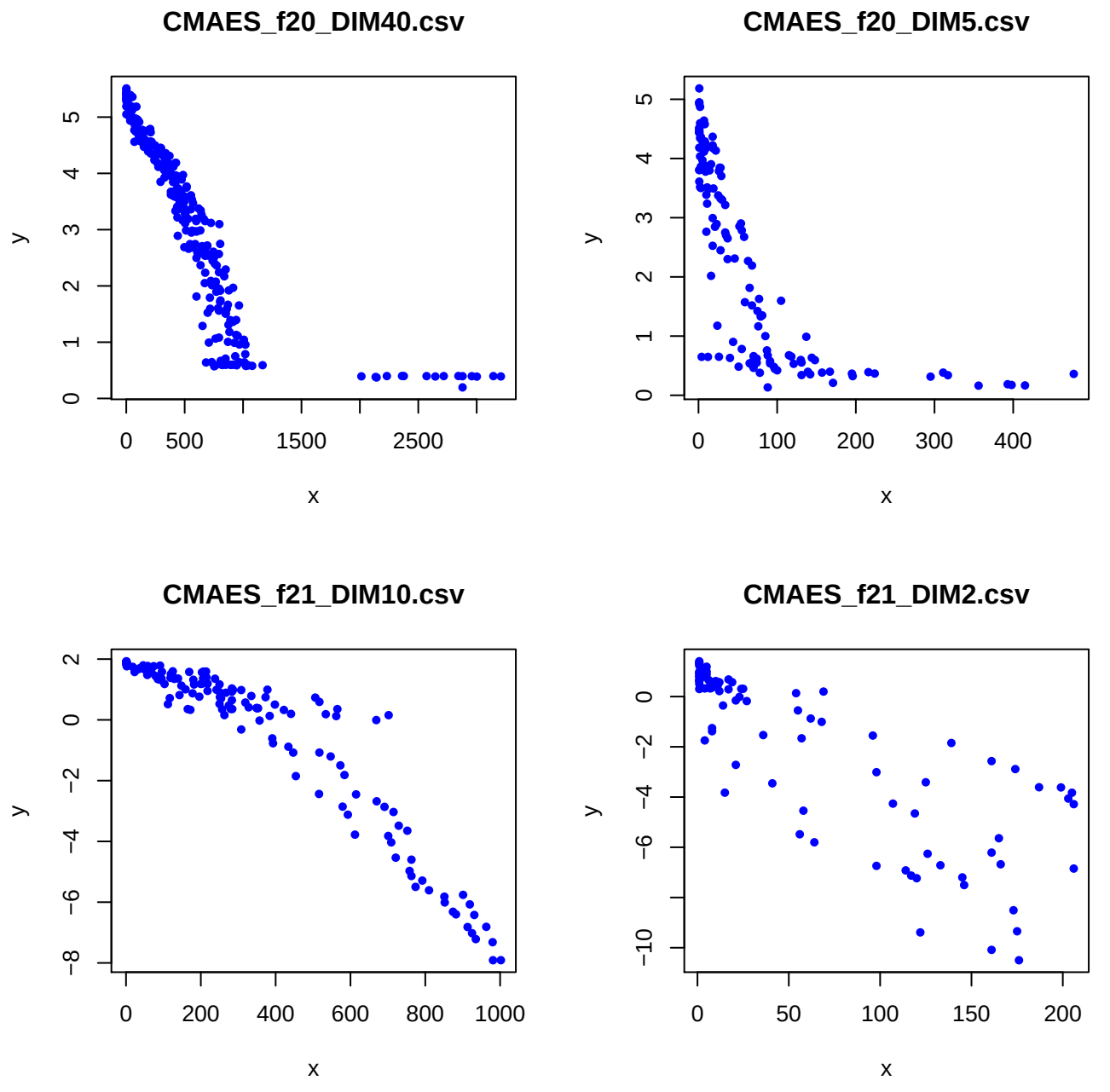

CMAES_f2_DIM20.csv
y
x
4
5
6
7
0
500
1000
1500
2000

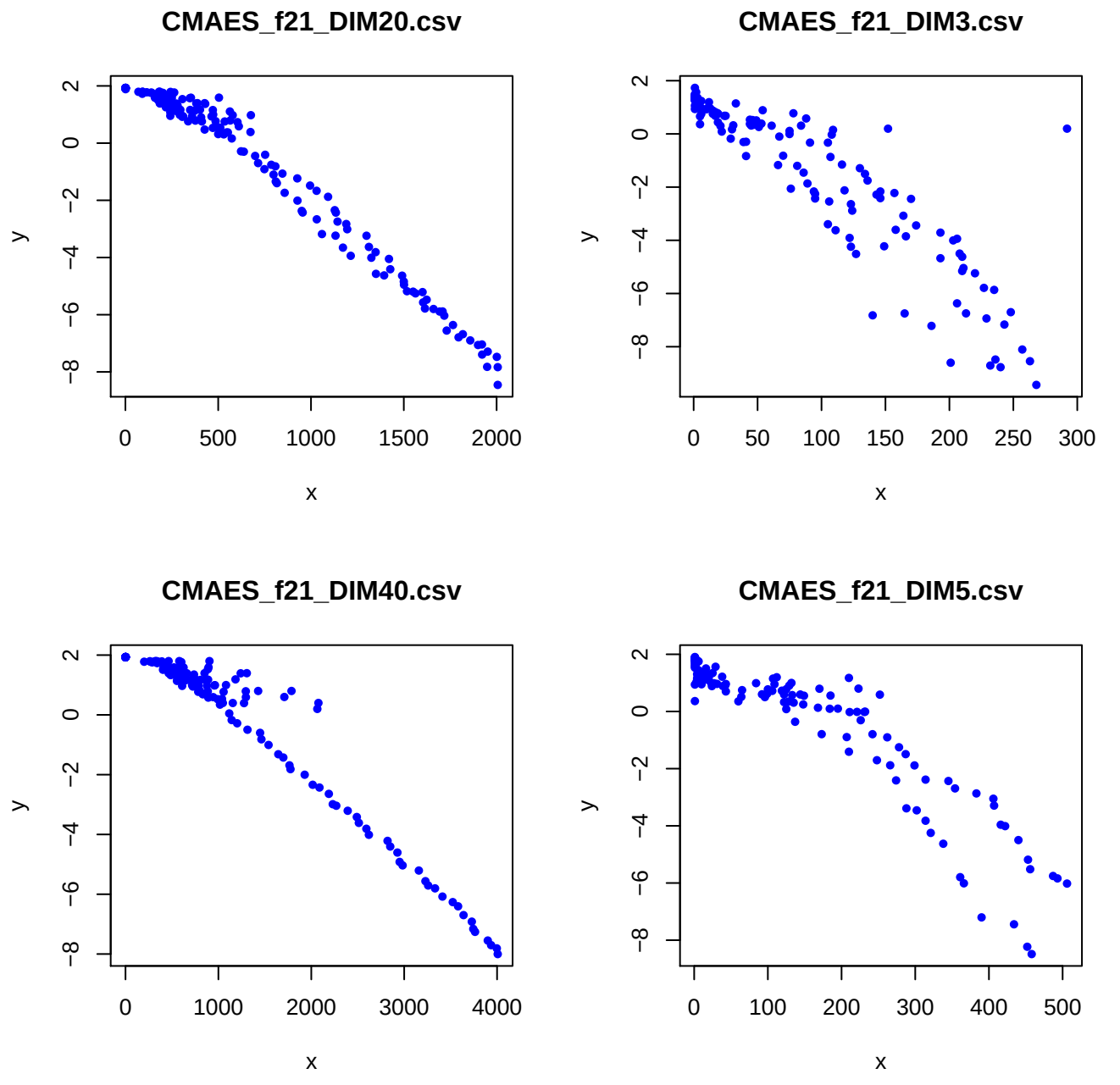

CMAES_f2_DIM3.csv
y
x
0
2
4
6
0
50
100
150
200
250
300

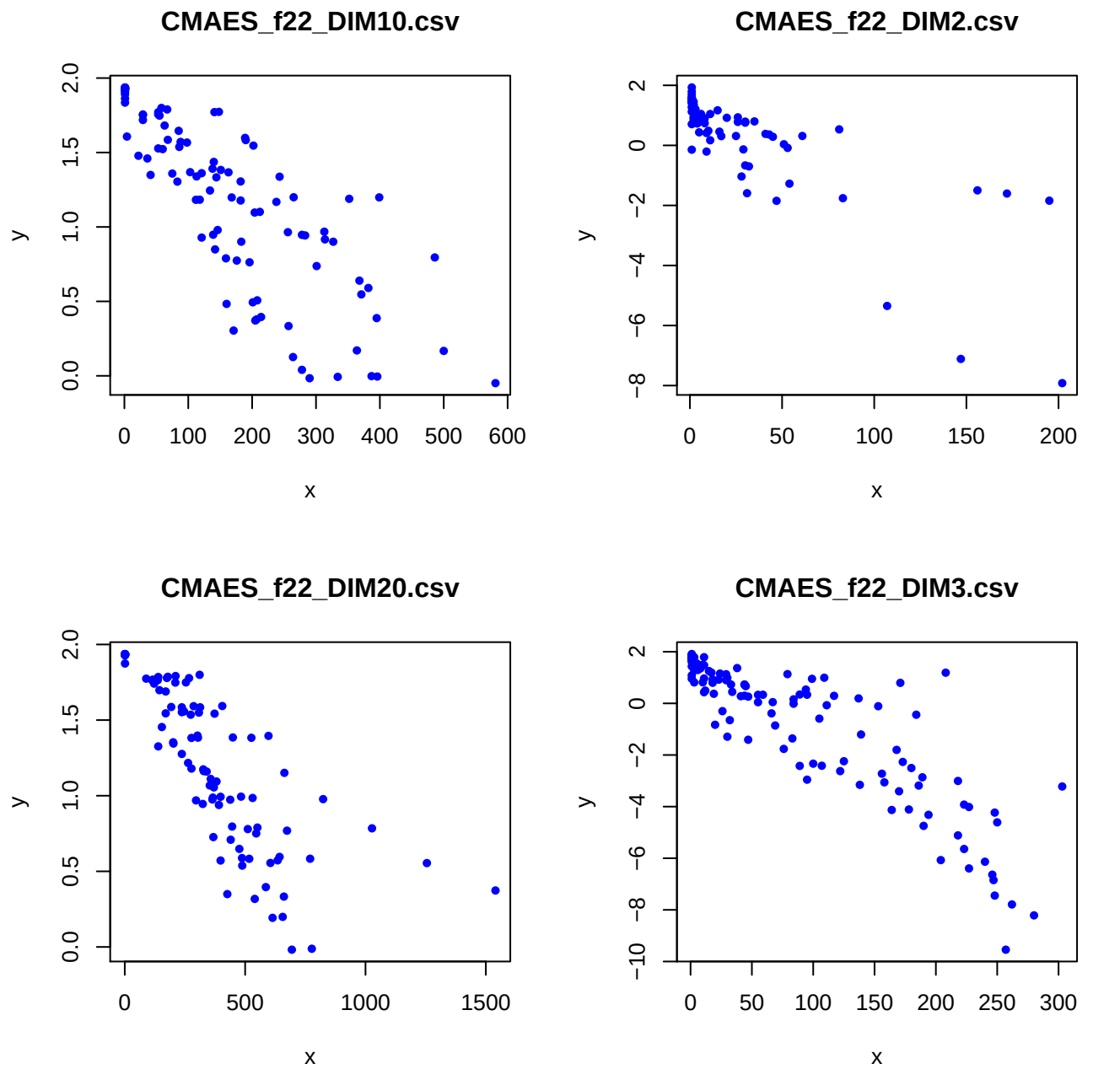

CMAES_f2_DIM40.csv
y
x
4.5
5.5
6.5
7.5
0
1000
2000
3000
4000

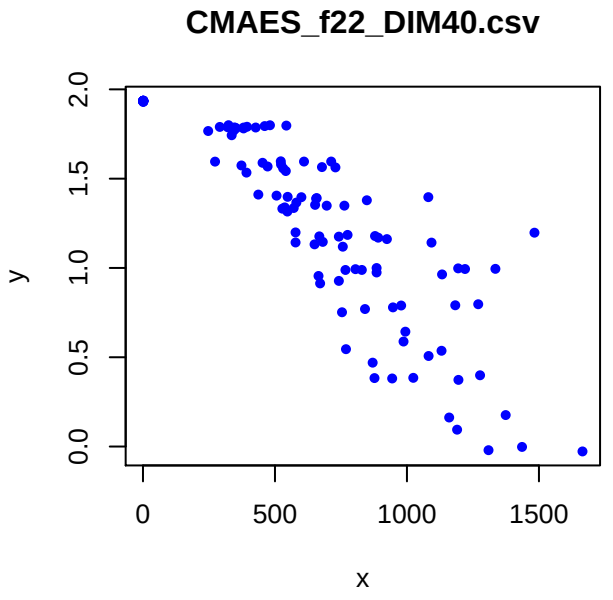

CMAES_f2_DIM5.csv
y
x
2
3
4
5
6
7
0
100
200
300
400
500

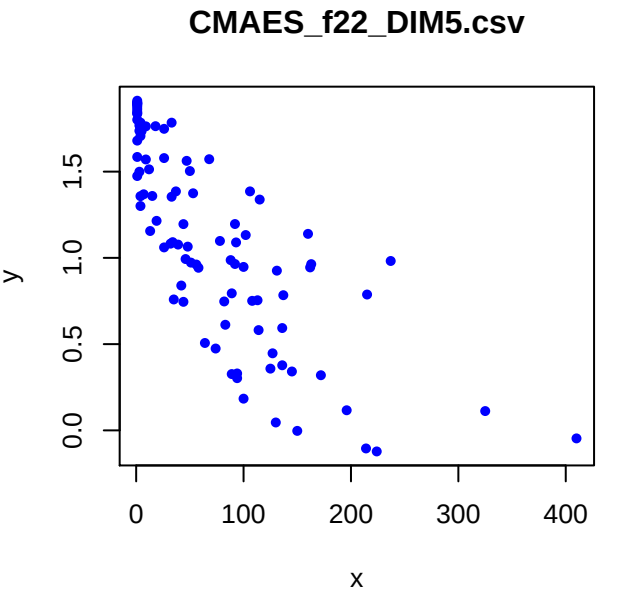

CMAES_f20_DIM10.csv
y
x
0
1
2
3
4
5
0
200
400
600
800
1000
CMAES_f20_DIM2.csv
y
x
−4
−2
0
2
4
0
50
100
150
200
CMAES_f20_DIM20.csv
y
x
0
1
2
3
4
5
0
500
1000
1500
2000
CMAES_f20_DIM3.csv
y
x
0
1
2
3
4
5
0
50
100
150
200

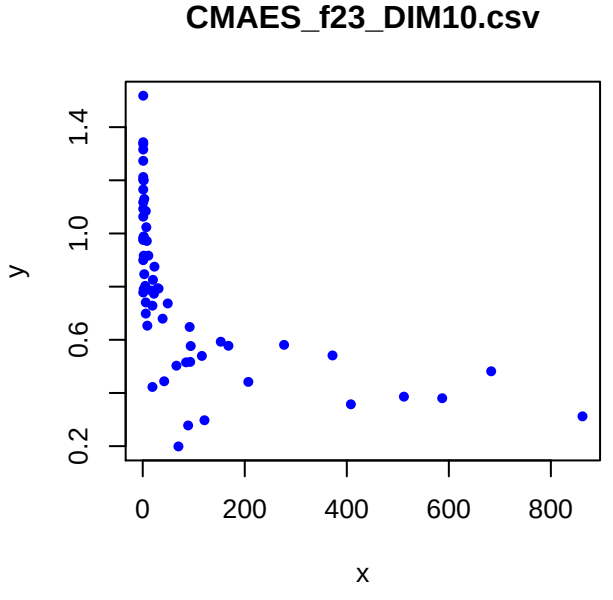

CMAES_f20_DIM40.csv
y
x
0
1
2
3
4
5
0
500
1500
2500
CMAES_f20_DIM5.csv
y
x
0
1
2
3
4
5
0
100
200
300
400
CMAES_f21_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
200
400
600
800
1000
CMAES_f21_DIM2.csv
y
x
0
−2
−4
−6
−10
0
50
100
150
200

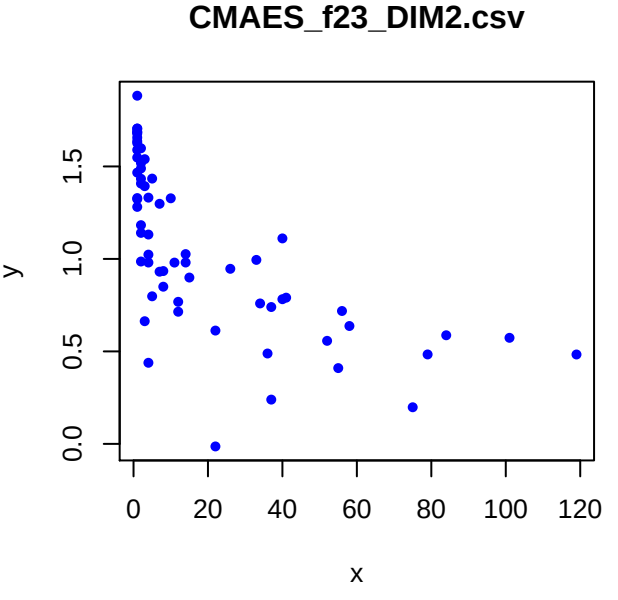

CMAES_f21_DIM20.csv
y
x
2
0
−2
−4
−6
−8
0
500
1000
1500
2000
CMAES_f21_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
150
200
250
300
CMAES_f21_DIM40.csv
y
x
2
0
−2
−4
−6
−8
0
1000
2000
3000
4000
CMAES_f21_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
100
200
300
400
500

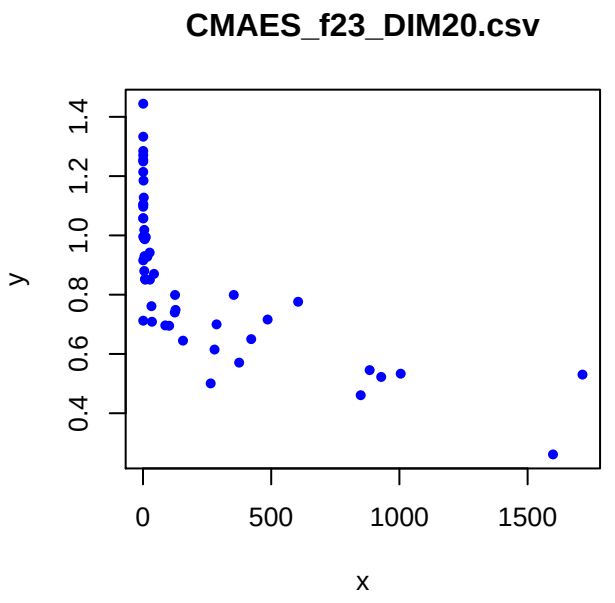

CMAES_f22_DIM10.csv
y
x
0.0
0.5
1.0
1.5
2.0
0
100
200
300
400
500
600
CMAES_f22_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
150
200
CMAES_f22_DIM20.csv
y
x
0.0
0.5
1.0
1.5
2.0
0
500
1000
1500
CMAES_f22_DIM3.csv
y
x
2
0
−2
−4
−6
−8
−10
0
50
100
150
200
250
300

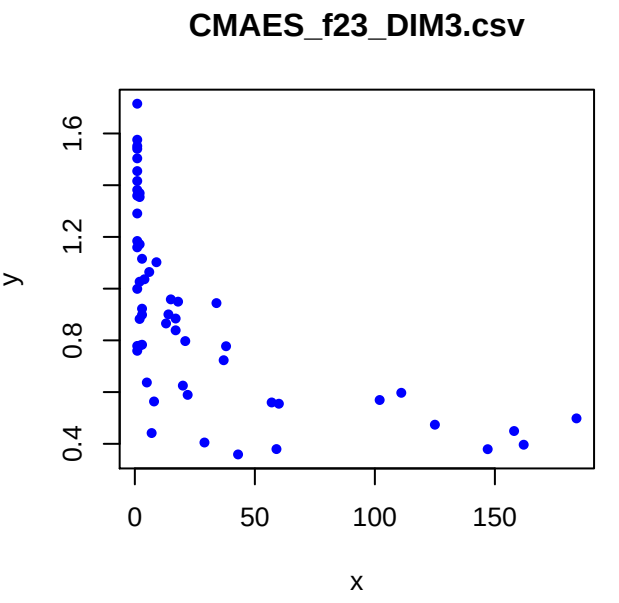

CMAES_f22_DIM40.csv
y
x
0.0
0.5
1.0
1.5
2.0
0
500
1000
1500

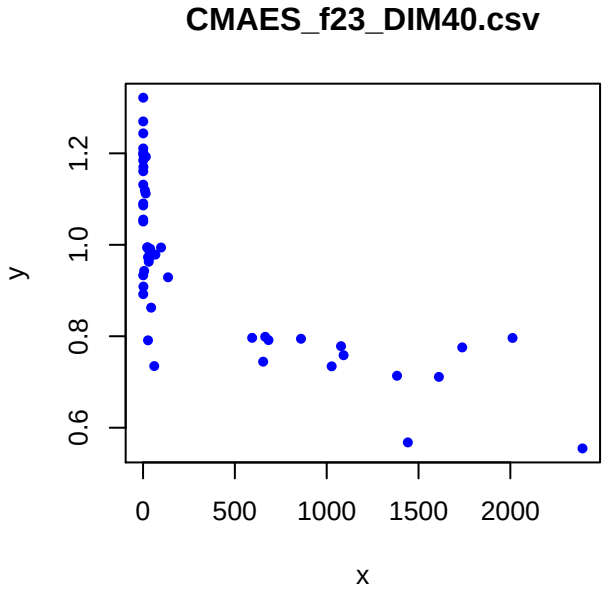

CMAES_f22_DIM5.csv
y
x
0.0
0.5
1.0
1.5
0
100
200
300
400

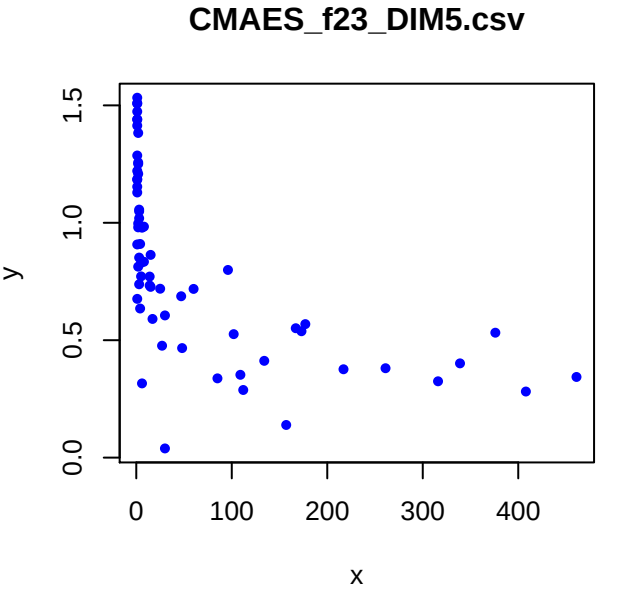

CMAES_f23_DIM10.csv
y
x
0.2
0.6
1.0
1.4
0
200
400
600
800

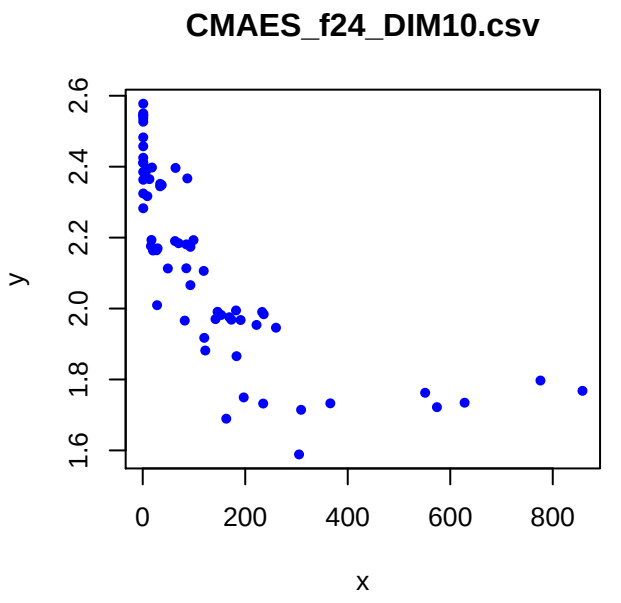

CMAES_f23_DIM2.csv
y
x
0.0
0.5
1.0
1.5
0
20
40
60
80
100
120

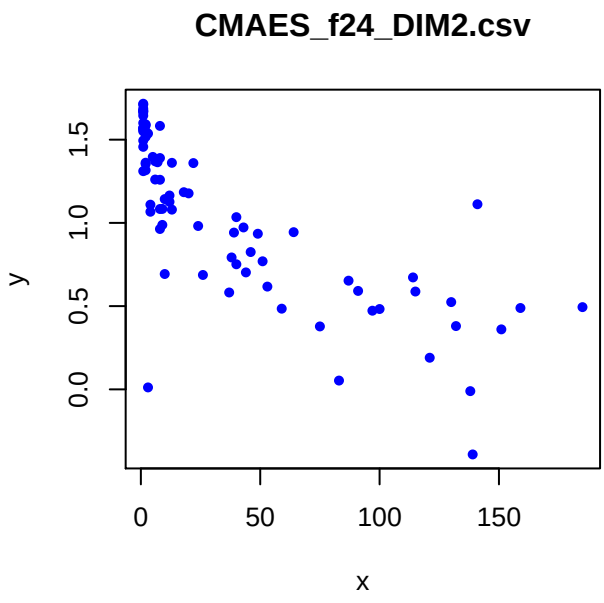

CMAES_f23_DIM20.csv
y
0.4
0.6
0.8
1.0
1.2
1.4
0
500
1000
1500
x

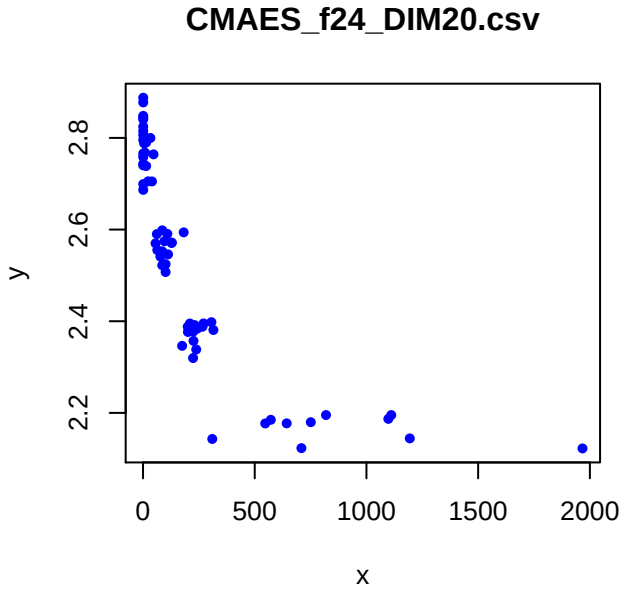

CMAES_f23_DIM3.csv
y
0.4
0.8
1.2
1.6
0
50
100
150
x

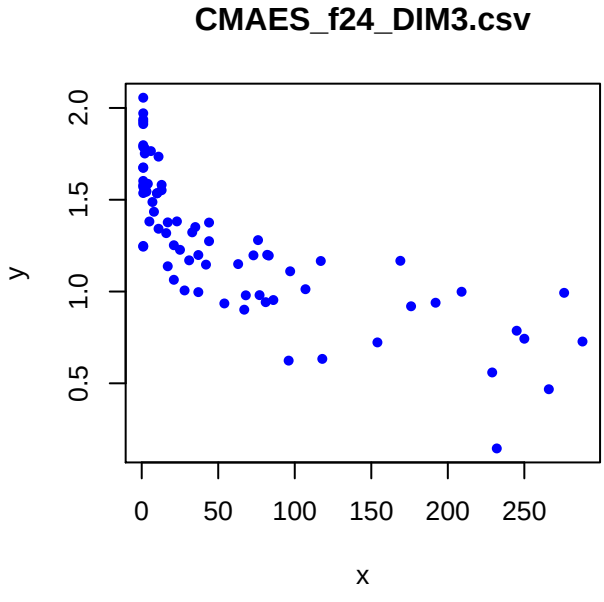

CMAES_f23_DIM40.csv
y
0.6
0.8
1.0
1.2
0
500
1000
1500
2000
x

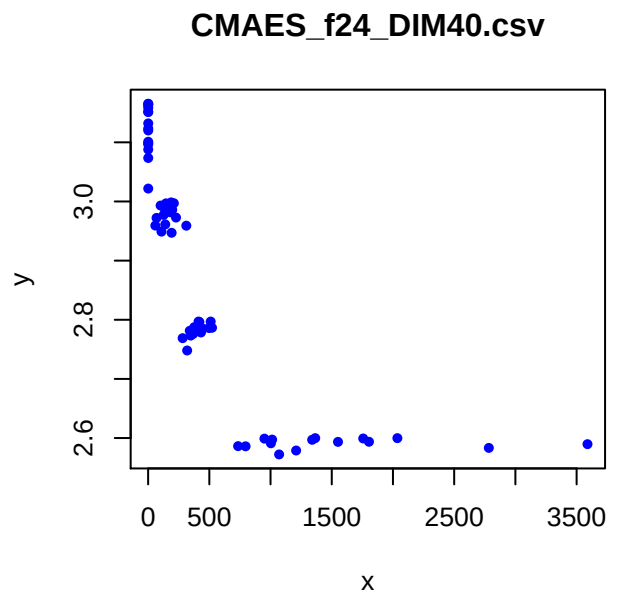

CMAES_f23_DIM5.csv
y
0.0
0.5
1.0
1.5
0
100
200
300
400
x

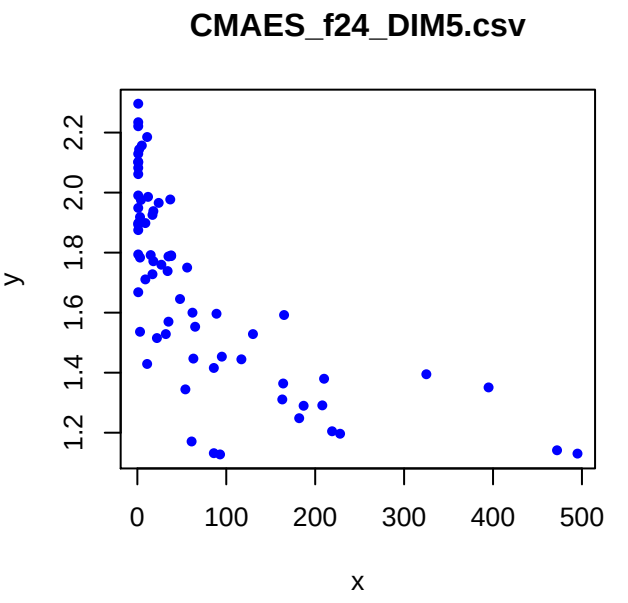

CMAES_f24_DIM10.csv
y
x
1.6
1.8
2.0
2.2
2.4
2.6
0
200
400
600
800

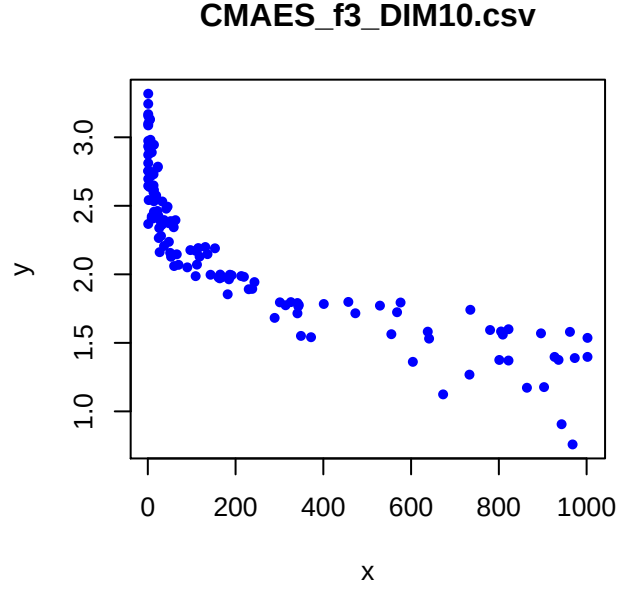

CMAES_f24_DIM2.csv
y
x
0.0
0.5
1.0
1.5
0
50
100
150

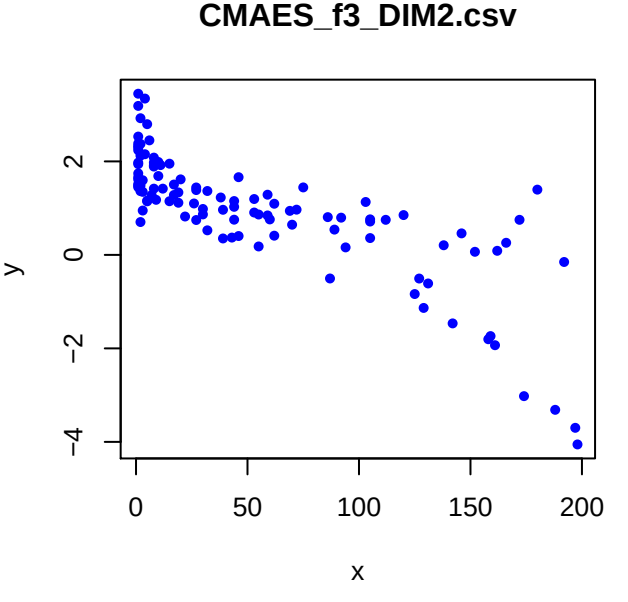

CMAES_f24_DIM20.csv
y
x
2.2
2.4
2.6
2.8
0
500
1000
1500
2000

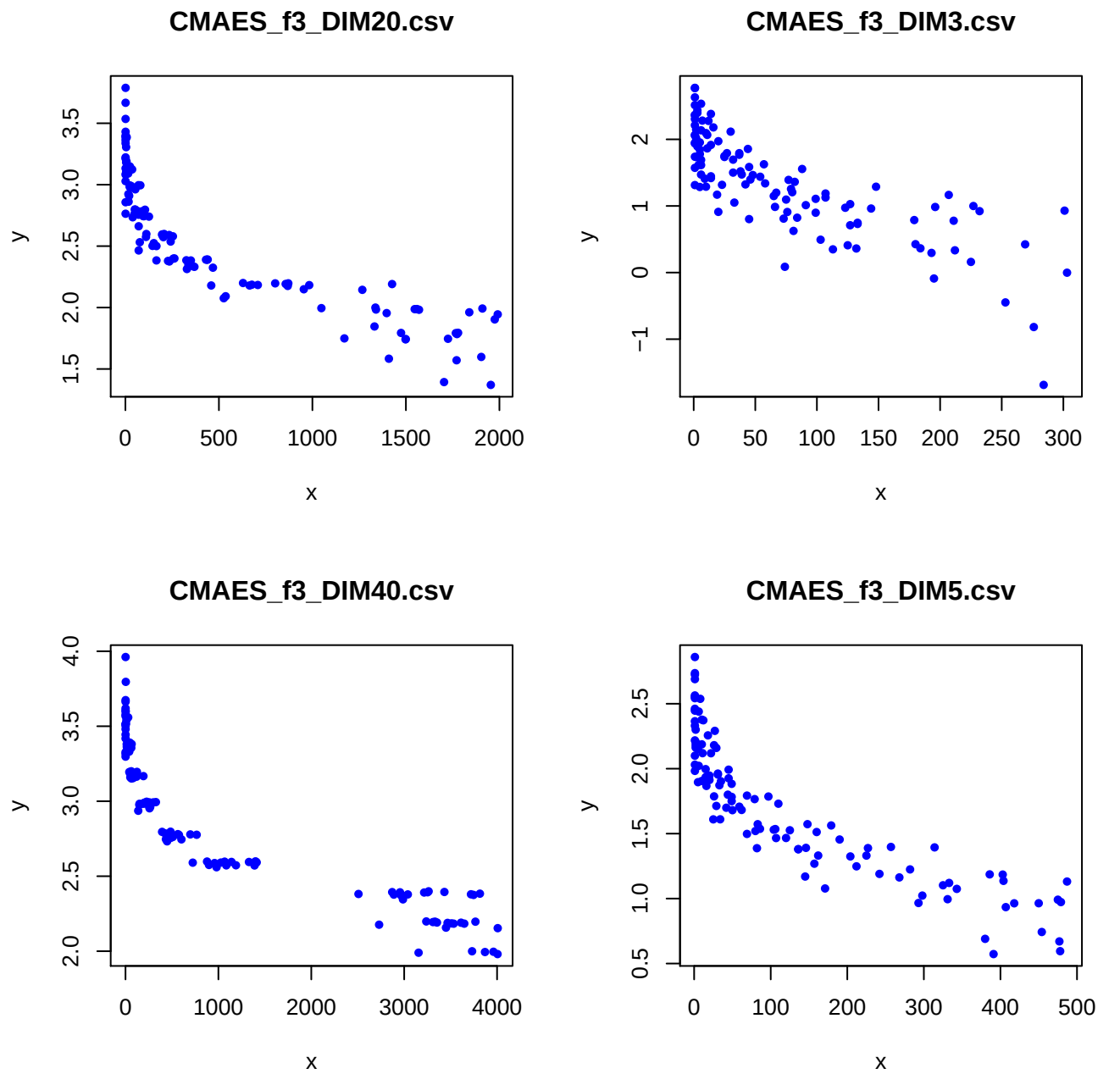

CMAES_f24_DIM3.csv
y
x
0.5
1.0
1.5
2.0
0
50
100
150
200
250

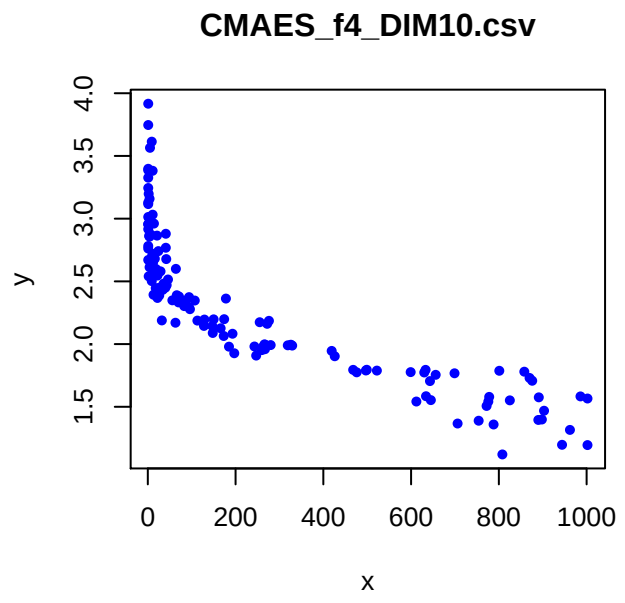

CMAES_f24_DIM40.csv
y
x
2.6
2.8
3.0
0
500
1500
2500
3500


CMAES_f24_DIM5.csv
y
x
1.2
1.4
1.6
1.8
2.0
2.2
0
100
200
300
400
500


CMAES_f3_DIM10.csv
y
x
1.0
1.5
2.0
2.5
3.0
0
200
400
600
800
1000


CMAES_f3_DIM2.csv
y
x
−4
−2
0
2
0
50
100
150
200


CMAES_f3_DIM20.csv
y
x
1.5
2.0
2.5
3.0
3.5
0
500
1000
1500
2000
CMAES_f3_DIM3.csv
y
x
−1
0
1
2
0
50
100
150
200
250
300
CMAES_f3_DIM40.csv
y
x
2.0
2.5
3.0
3.5
4.0
0
1000
2000
3000
4000
CMAES_f3_DIM5.csv
y
x
0.5
1.0
1.5
2.0
2.5
0
100
200
300
400
500


CMAES_f4_DIM10.csv
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x
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3.5
3.0
2.5
2.0
1.5
0
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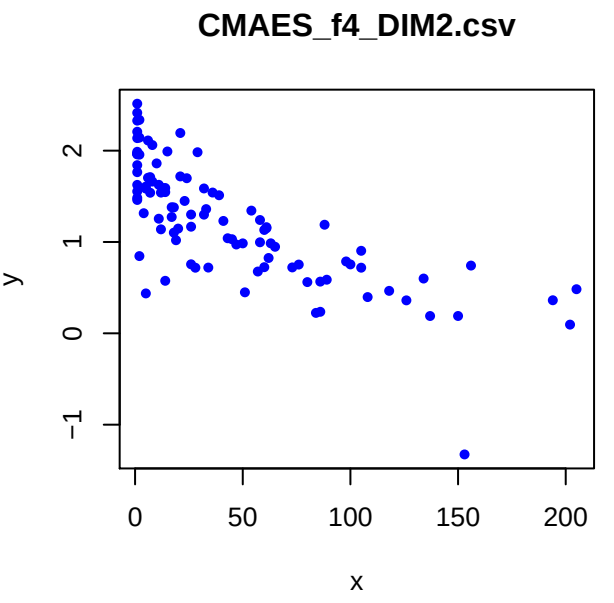
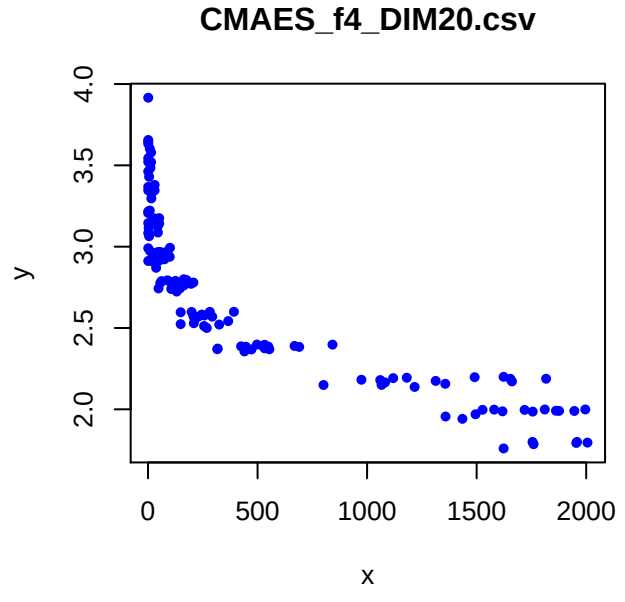
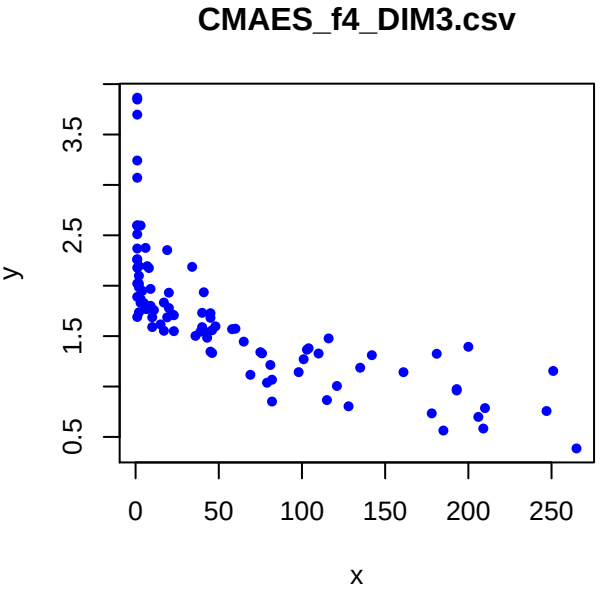
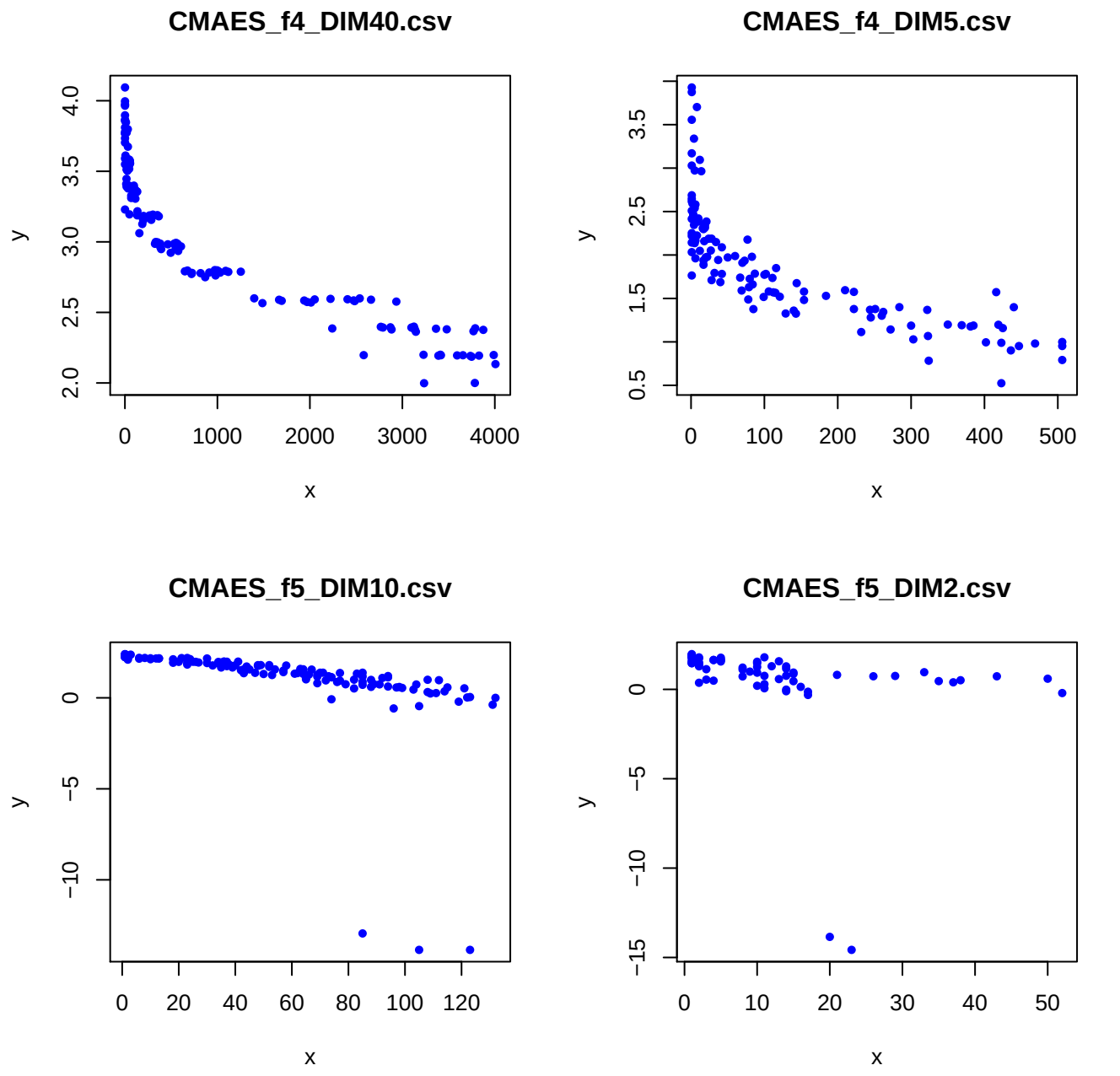
400
600
800
1000


CMAES_f4_DIM2.csv
y
x
2
1
0
−1
0
50
100
150
200


CMAES_f4_DIM20.csv
y
x
4.0
3.5
3.0
2.5
2.0
0
500
1000
1500
2000


CMAES_f4_DIM3.csv
y
x
3.5
2.5
1.5
0.5
0
50
100
150
200
250


CMAES_f4_DIM40.csv
y
x
2.0
2.5
3.0
3.5
4.0
0
1000
2000
3000
4000
CMAES_f4_DIM5.csv
y
x
0.5
1.5
2.5
3.5
0
100
200
300
400
500
CMAES_f5_DIM10.csv
y
x
−10
−5
0
0
20
40
60
80
100
120
CMAES_f5_DIM2.csv
y
x
−15
−10
−5
0
0
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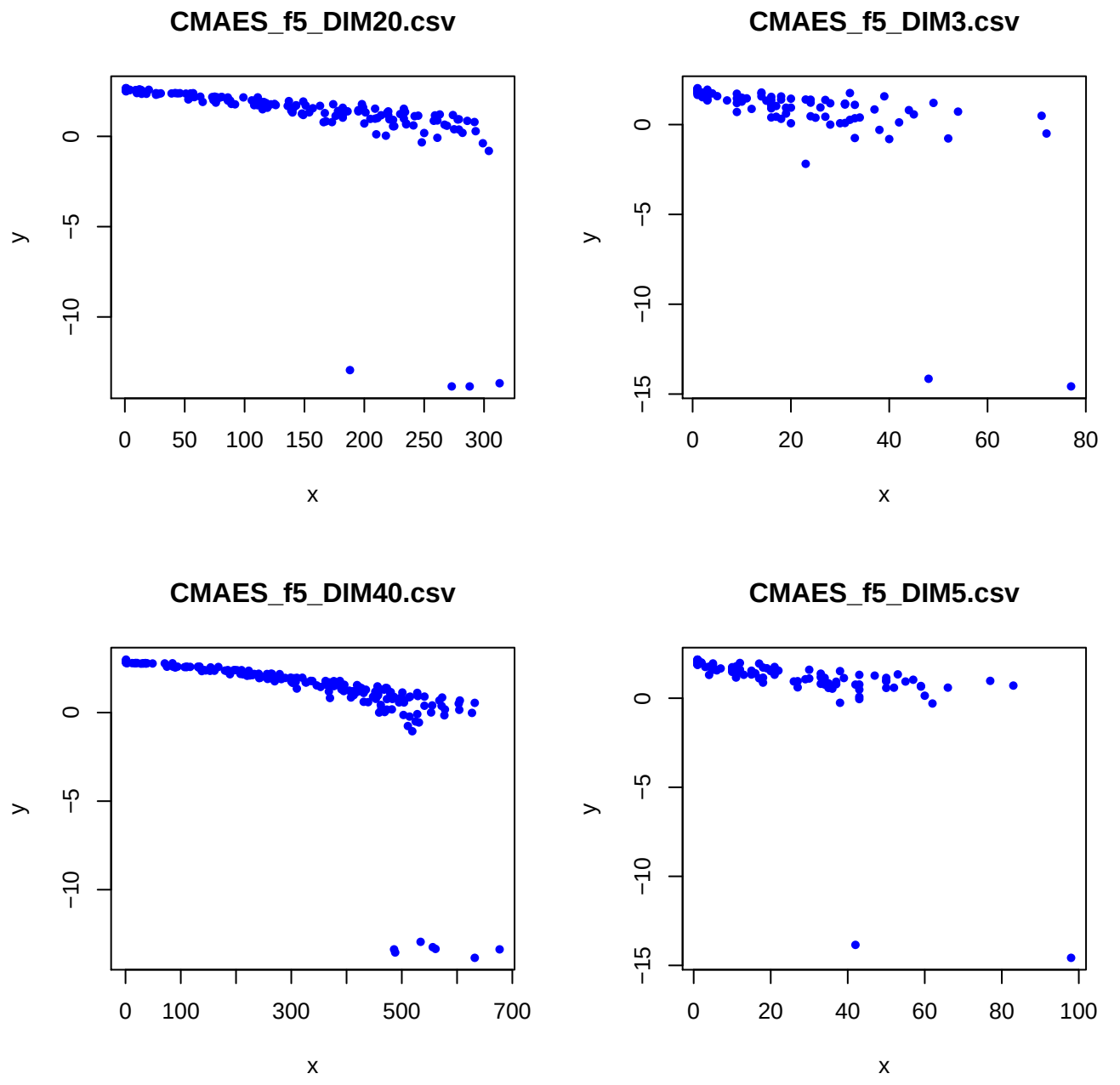
20
30
40
50


CMAES_f5_DIM20.csv
y
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−5
−10
0
50
100
150
200
250
300
x
CMAES_f5_DIM3.csv
y
0
−5
−10
−15
0
20
40
60
80
x
CMAES_f5_DIM40.csv
y
0
−5
−10
0
100
300
500
700
x
CMAES_f5_DIM5.csv
y
0
−5
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0
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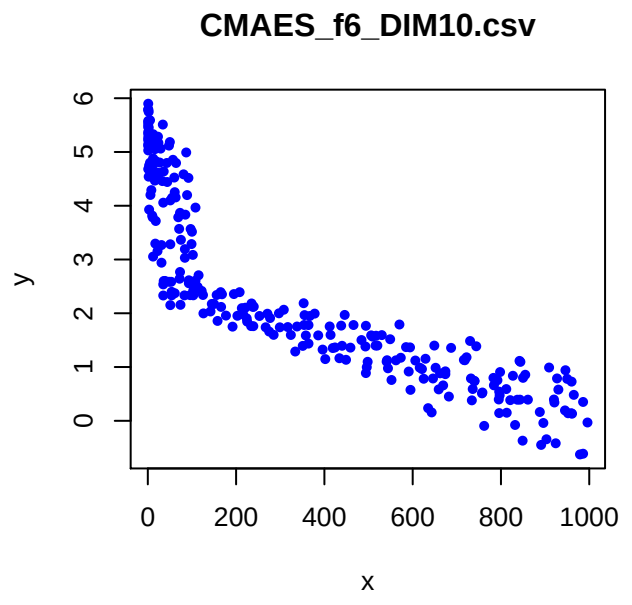
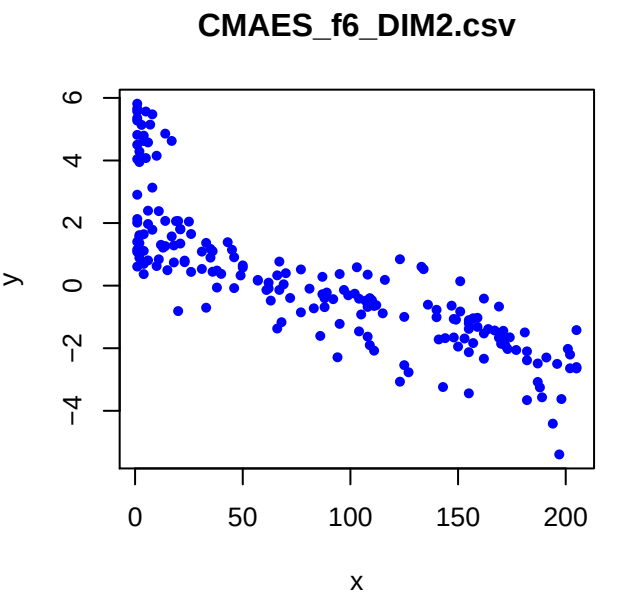
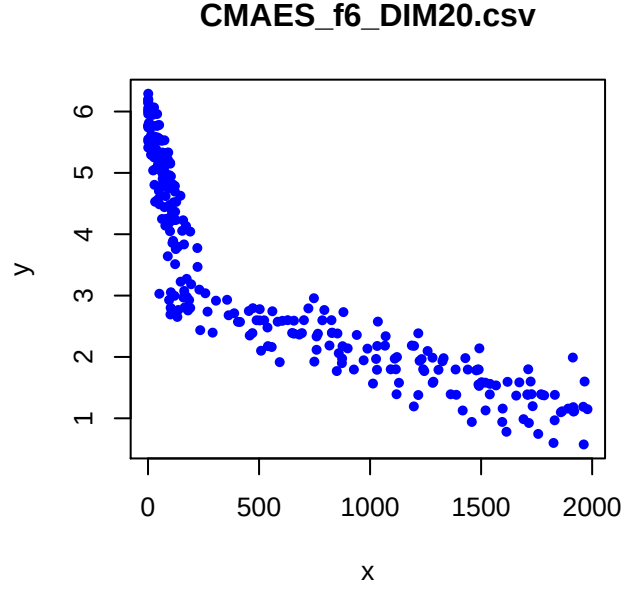
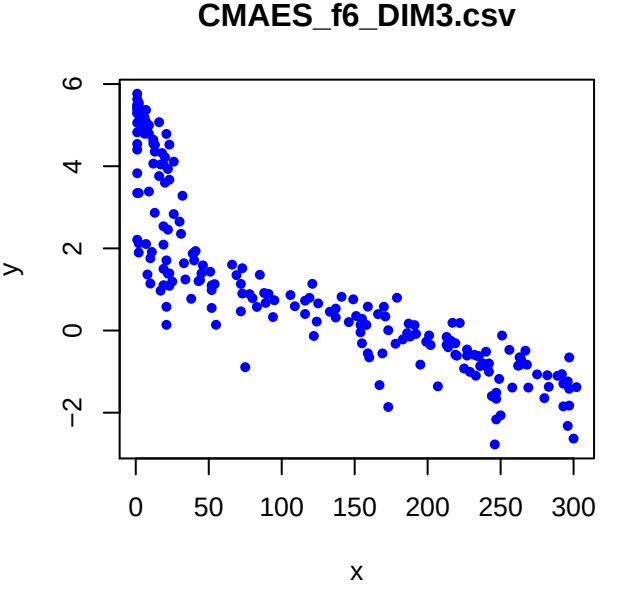
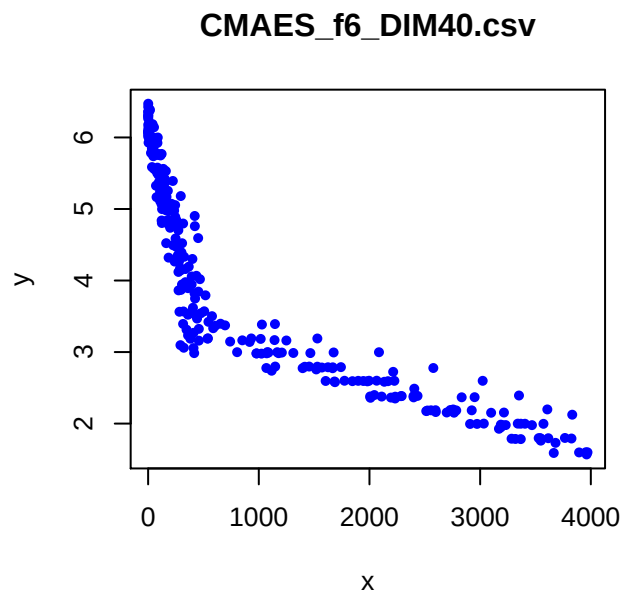
40
60
80
100
x

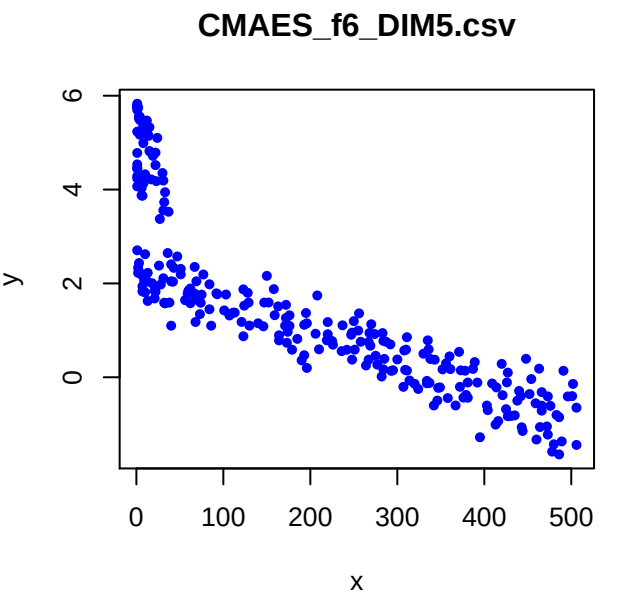

CMAES_f6_DIM10.csv
y
x
0
1
2
3
4
5
6
0
200
400
600
800
1000

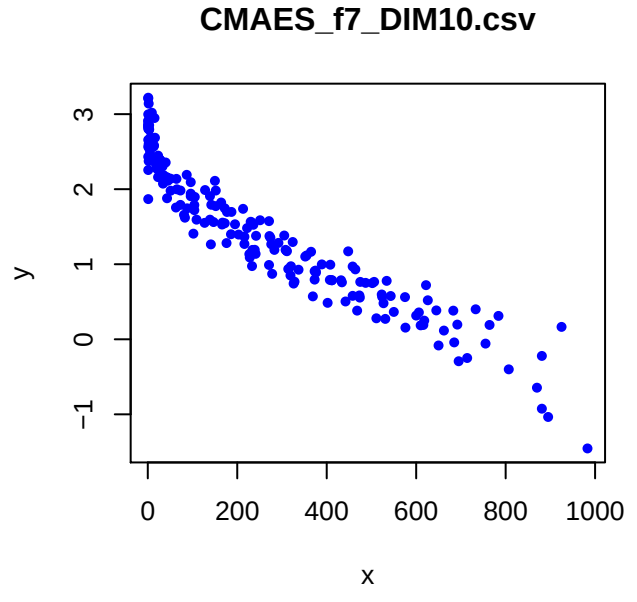

CMAES_f6_DIM2.csv
y
x
−4
−2
0
2
4
6
0
50
100
150
200

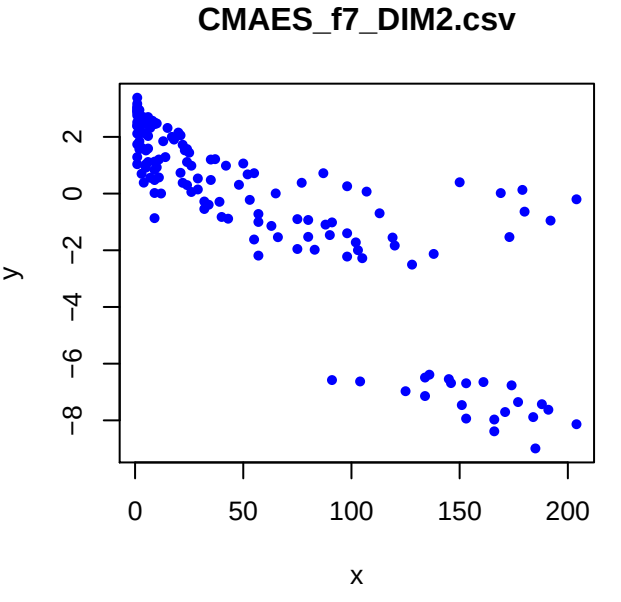

CMAES_f6_DIM20.csv
y
x
1
2
3
4
5
6
0
500
1000
1500
2000

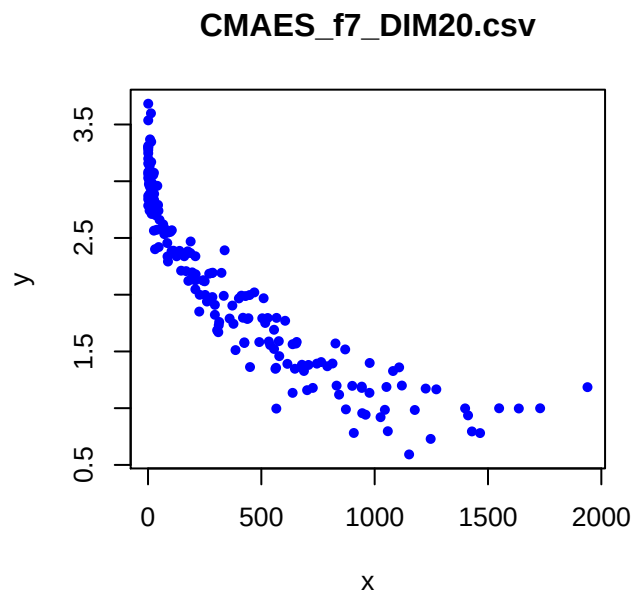

CMAES_f6_DIM3.csv
y
x
−2
0
2
4
6
0
50
100
150
200
250
300


CMAES_f6_DIM40.csv
y
x
0
1000
2000
3000
4000
2
3
4
5
6


CMAES_f6_DIM5.csv
y
x
0
100
200
300
400
500
0
2
4
6


CMAES_f7_DIM10.csv
y
x
0
200
400
600
800
1000
−1
0
1
2
3


CMAES_f7_DIM2.csv
y
x
0
50
100
150
200
−8
−6
−4
−2
0
2


CMAES_f7_DIM20.csv
y
x
0.5
1.5
2.5
3.5
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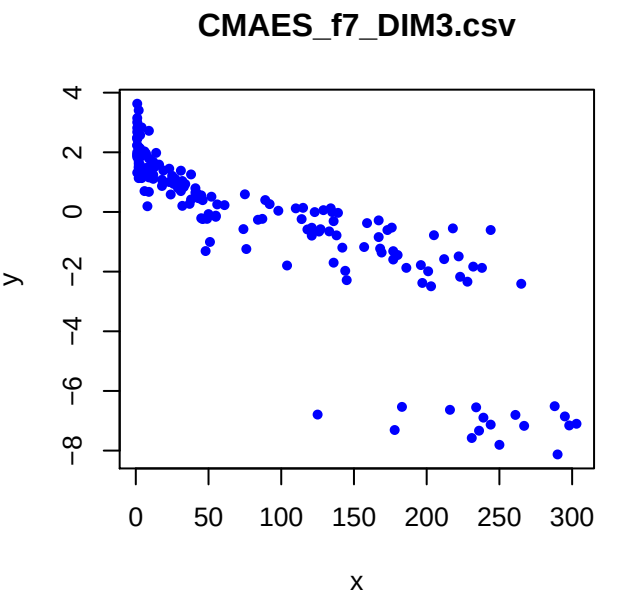
500
1000
1500
2000


CMAES_f7_DIM3.csv
y
x
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−6
−4
−2
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2
4
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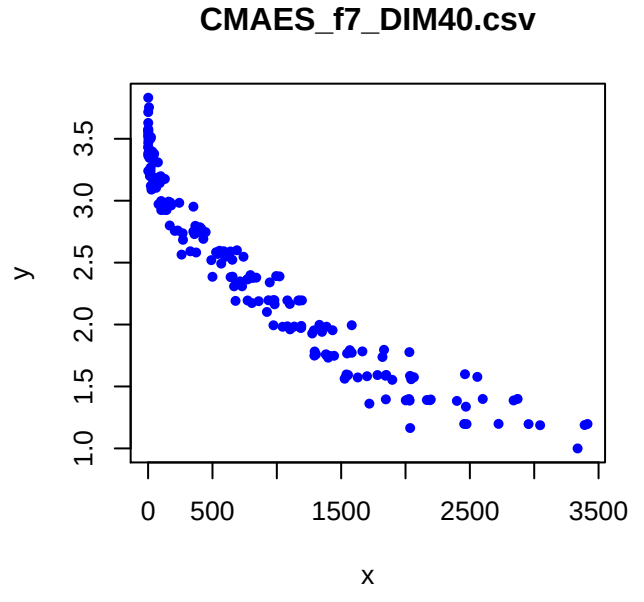
100
150
200
250
300


CMAES_f7_DIM40.csv
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x
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2.0
2.5
3.0
3.5
0
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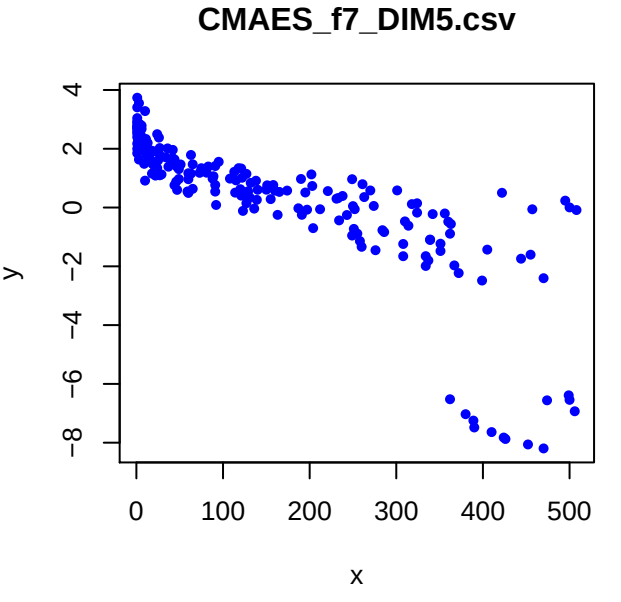
1500
2500
3500


CMAES_f7_DIM5.csv
y
x
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−6
−4
−2
0
2
4
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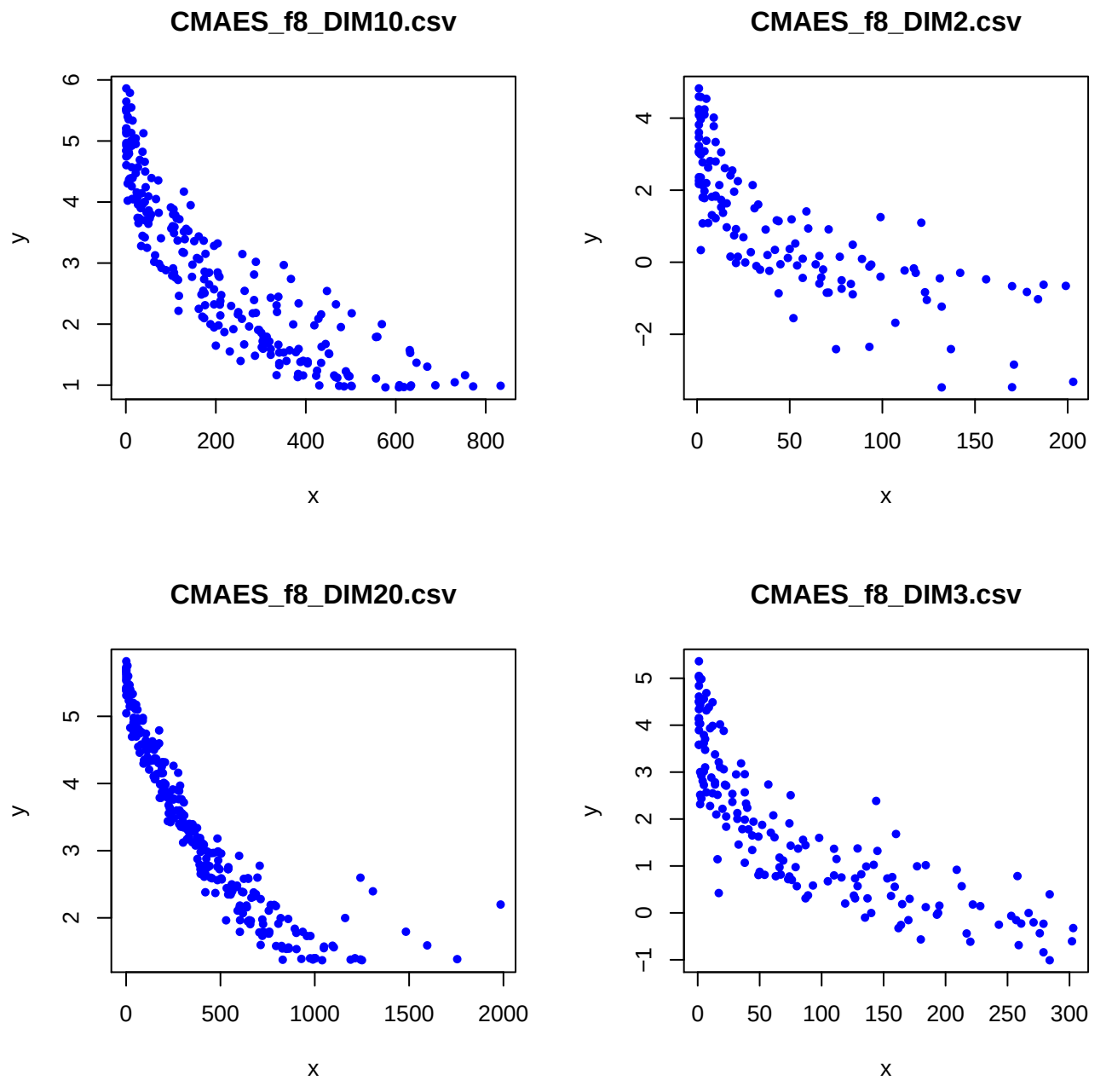
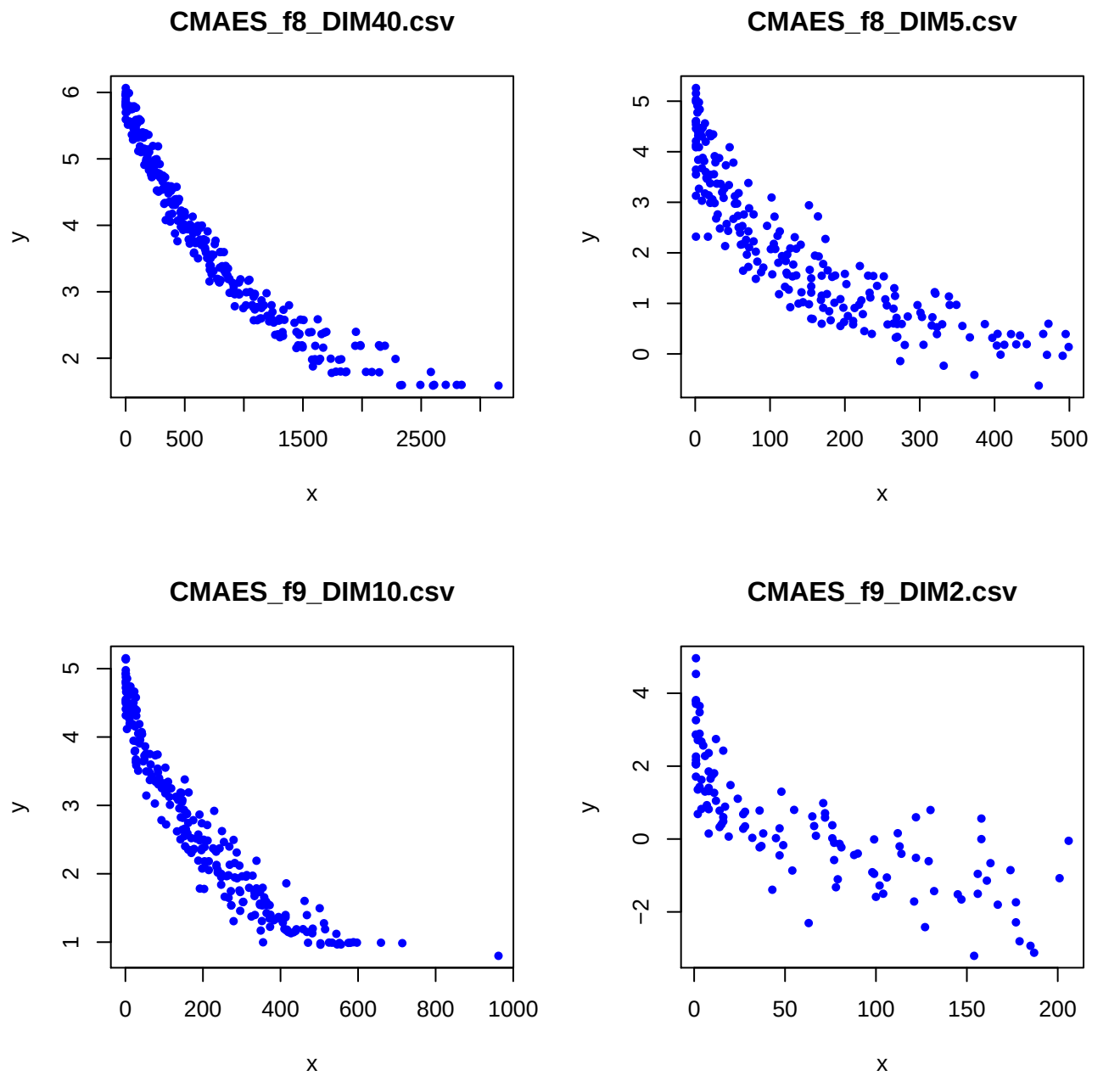
200
300
400
500


CMAES_f8_DIM10.csv
y
x
CMAES_f8_DIM2.csv
y
x
CMAES_f8_DIM20.csv
y
x
CMAES_f8_DIM3.csv
y
x


CMAES_f8_DIM40.csv
y
x
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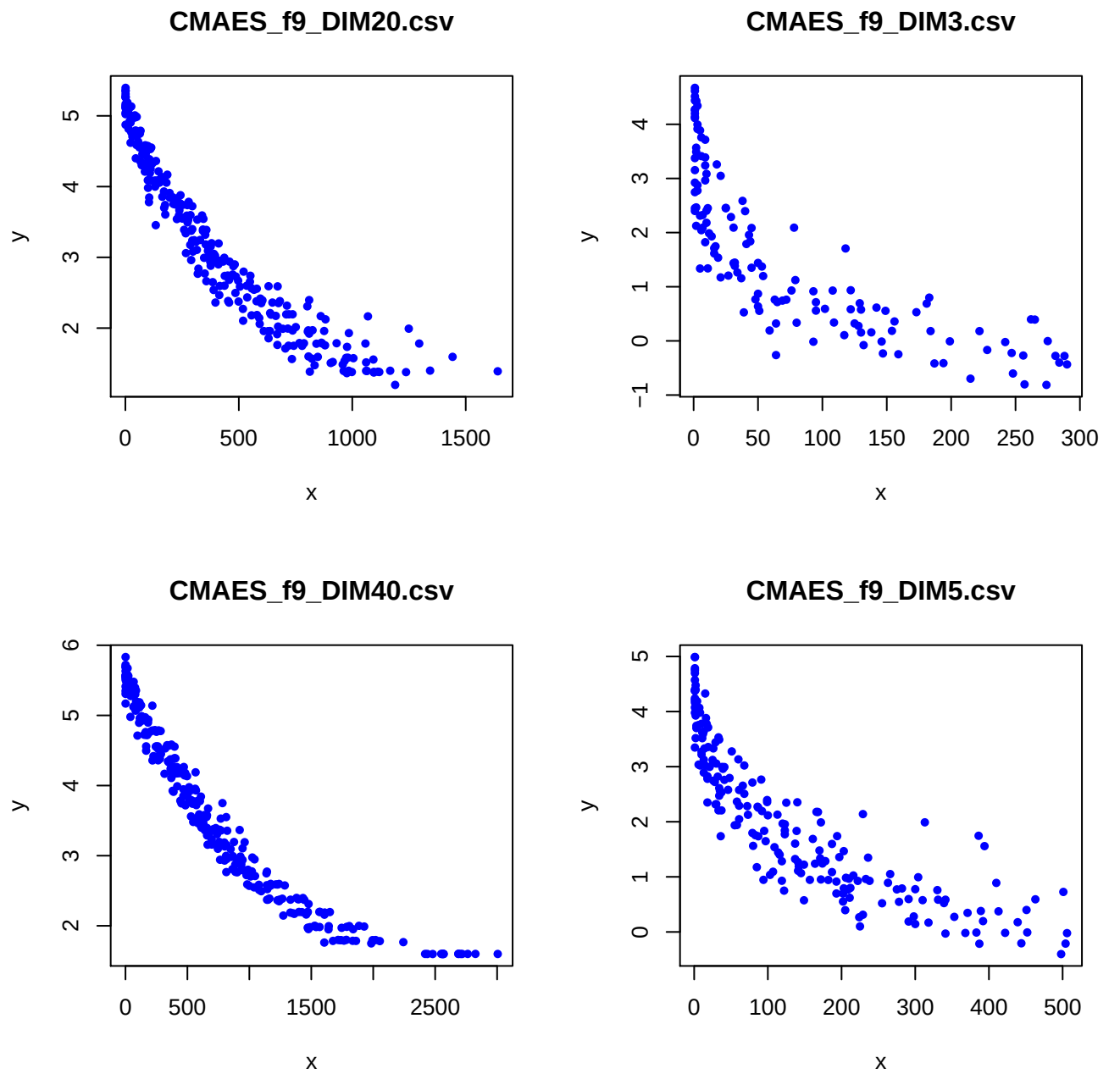
1500
2500
2
3
4
5
6
CMAES_f8_DIM5.csv
y
x
0
100
200
300
400
500
0
1
2
3
4
5
CMAES_f9_DIM10.csv
y
x
0
200
400
600
800
1000
1
2
3
4
5
CMAES_f9_DIM2.csv
y
x
0
50
100
150
200
−2
0
2
4


CMAES_f9_DIM20.csv
y
x
0
500
1000
1500
2
3
4
5
CMAES_f9_DIM3.csv
y
x
0
50
100
150
200
250
300
−1
0
1
2
3
4
CMAES_f9_DIM40.csv
y
x
0
500
1500
2500
2
3
4
5
6
CMAES_f9_DIM5.csv
y
x
0
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200
300
400
500
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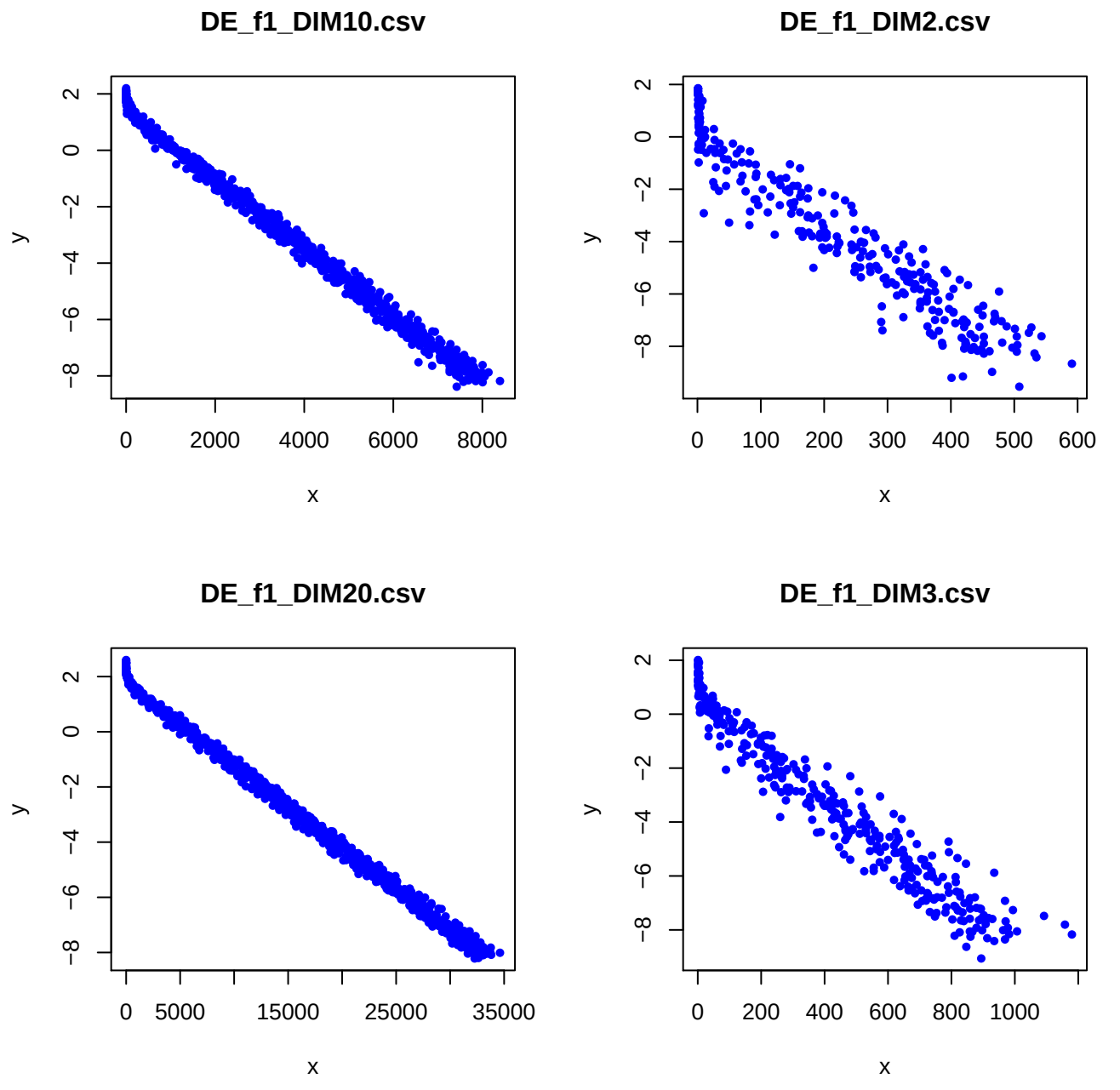
2
3
4
5


DE_f1_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
2000
4000
6000
8000
DE_f1_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
100
200
300
400
500
600
DE_f1_DIM20.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000
35000
DE_f1_DIM3.csv
y
x
2
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−2
−4
−6
−8
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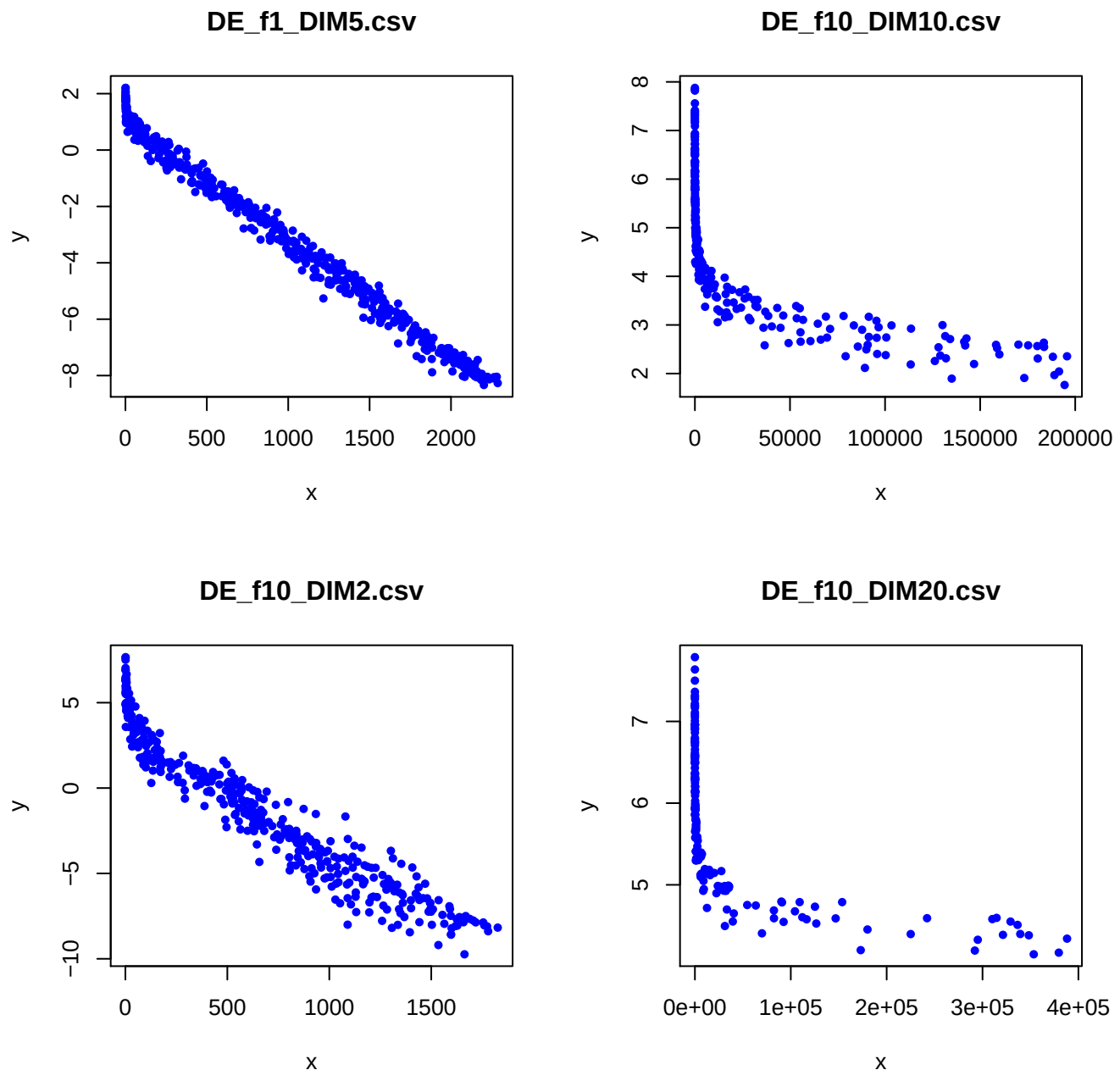
400
600
800
1000


DE_f1_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
500
1000
1500
2000
DE_f10_DIM10.csv
y
x
8
7
6
5
4
3
2
0
50000
100000
150000
200000
DE_f10_DIM2.csv
y
x
5
0
−5
−10
0
500
1000
1500
DE_f10_DIM20.csv
y
x
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6
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1e+05
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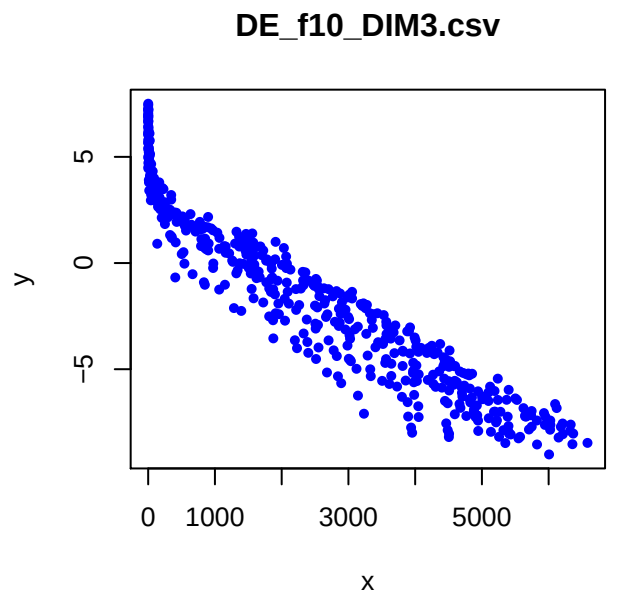
3e+05
4e+05


DE_f10_DIM3.csv
y
5
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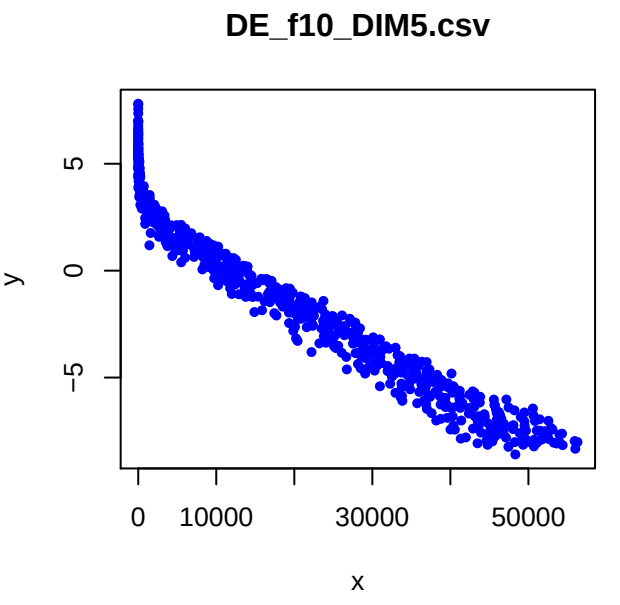
0
1000
3000
5000
x


DE_f10_DIM5.csv
y
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10000
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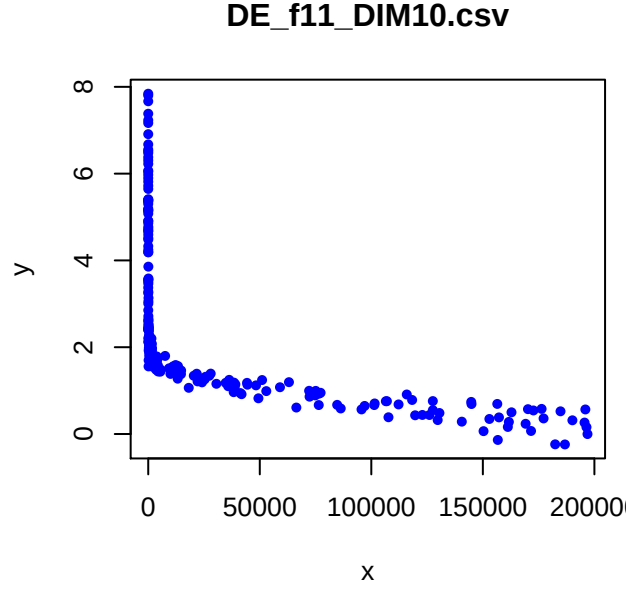
50000
x


DE_f11_DIM10.csv
y
8
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4
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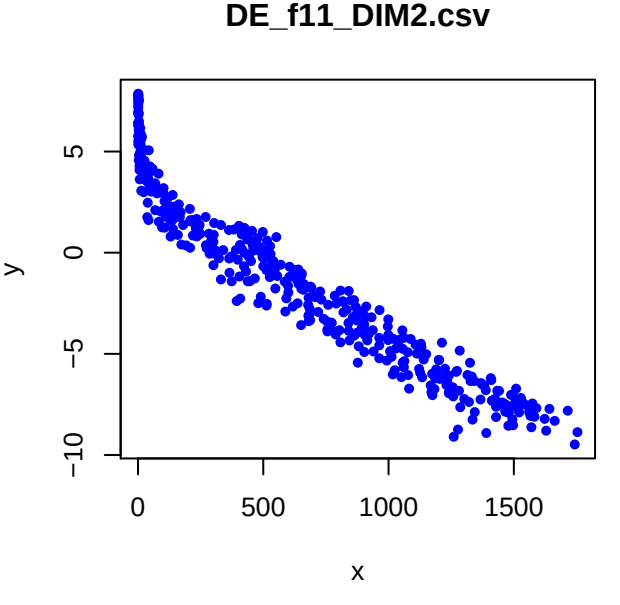
50000
100000
150000
200000
x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y
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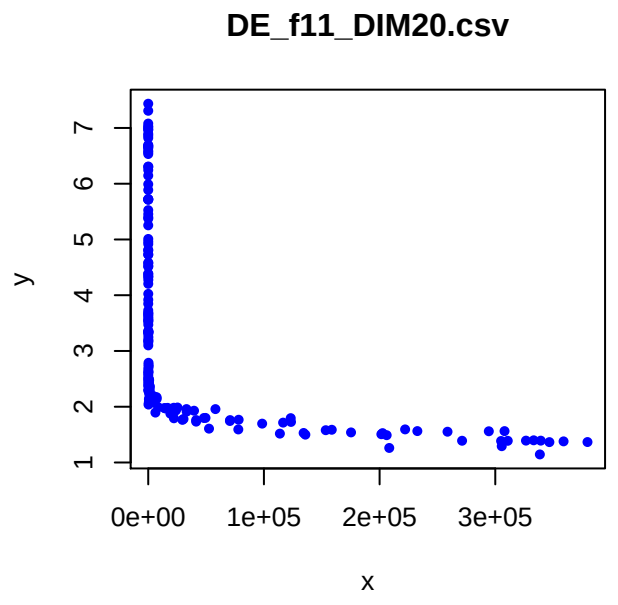
−10
0
500
1000
1500
x


DE_f11_DIM20.csv
y
x
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2e+05
3e+05
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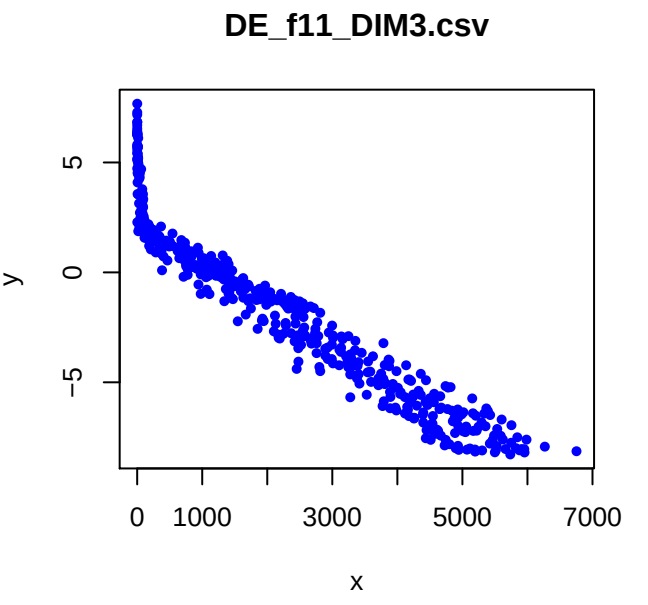
4
5
6
7


DE_f11_DIM3.csv
y
x
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1000
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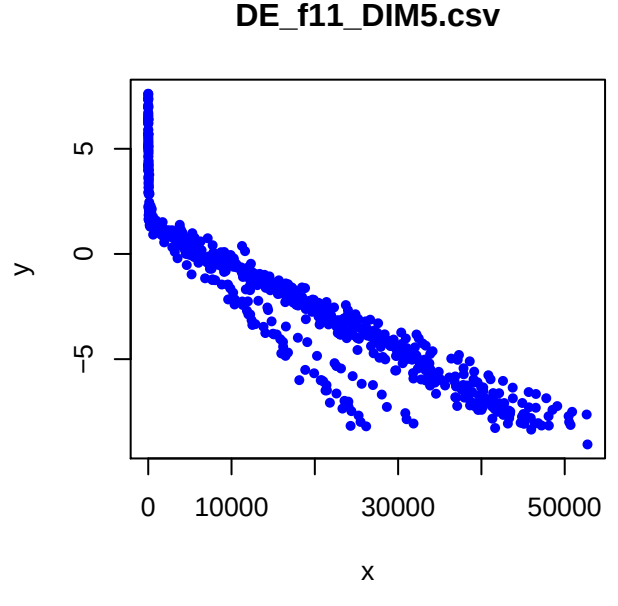
5000
7000
−5
0
5


DE_f11_DIM5.csv
y
x
0
10000
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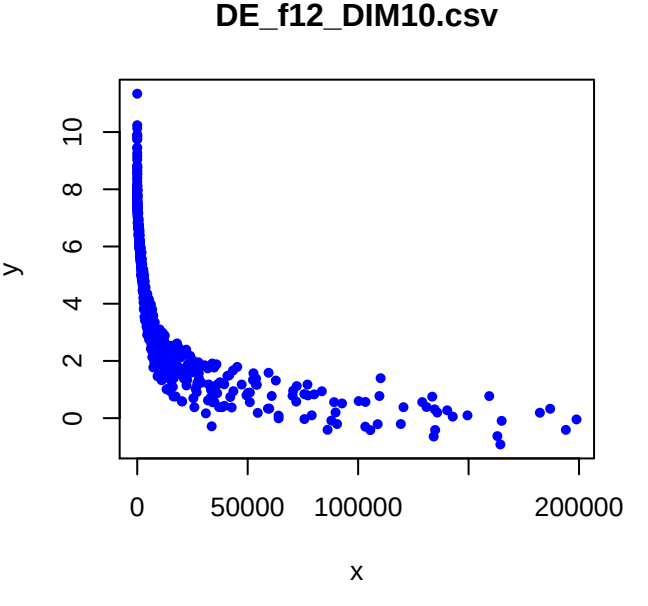
50000
−5
0
5


DE_f12_DIM10.csv
y
x
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50000
100000
200000
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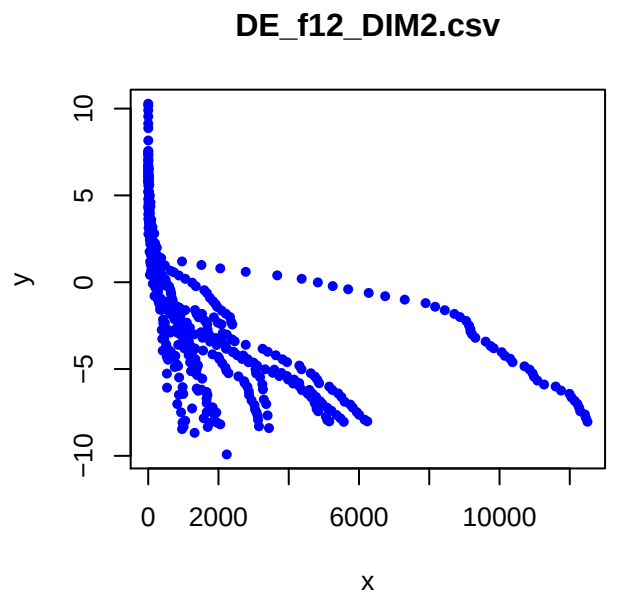
4
6
8
10


DE_f12_DIM2.csv
y
x
10
5
0
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−10
0
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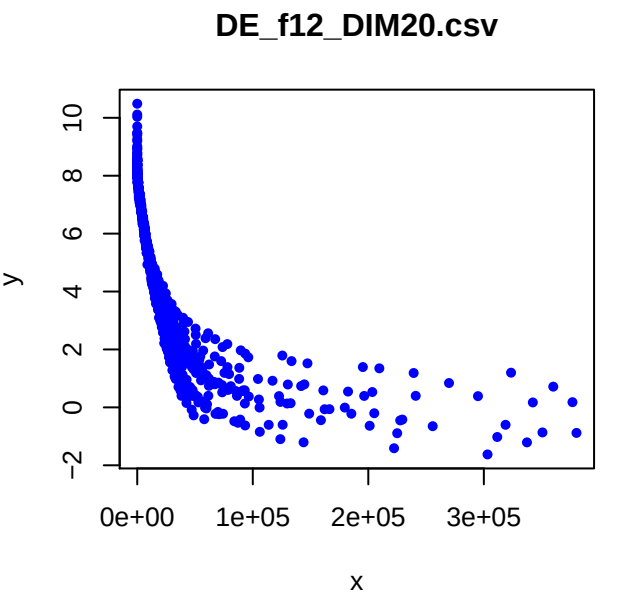
6000
10000


DE_f12_DIM20.csv
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x
10
8
6
4
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−2
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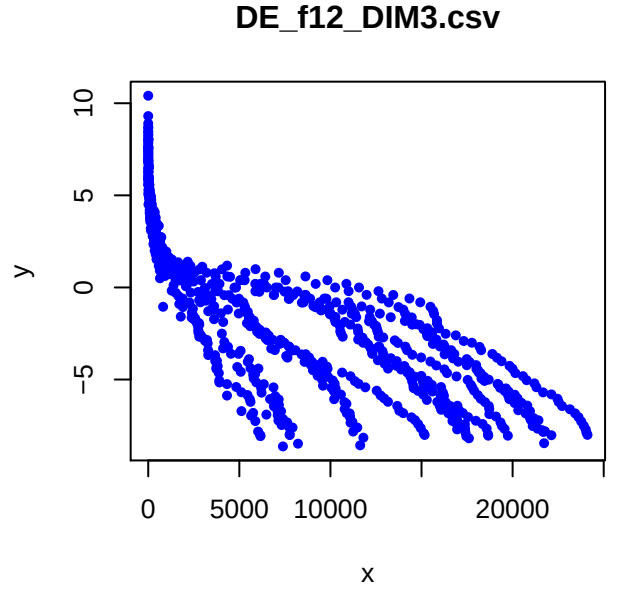
3e+05


DE_f12_DIM3.csv
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5000
10000
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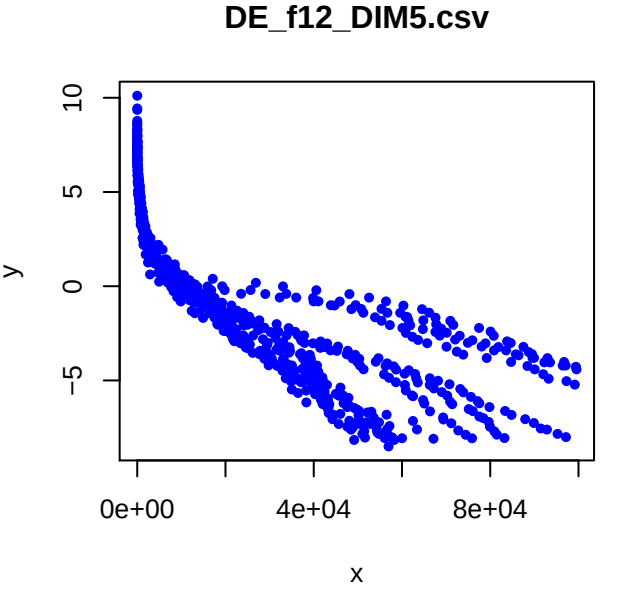
DE_f12_DIM5.csv
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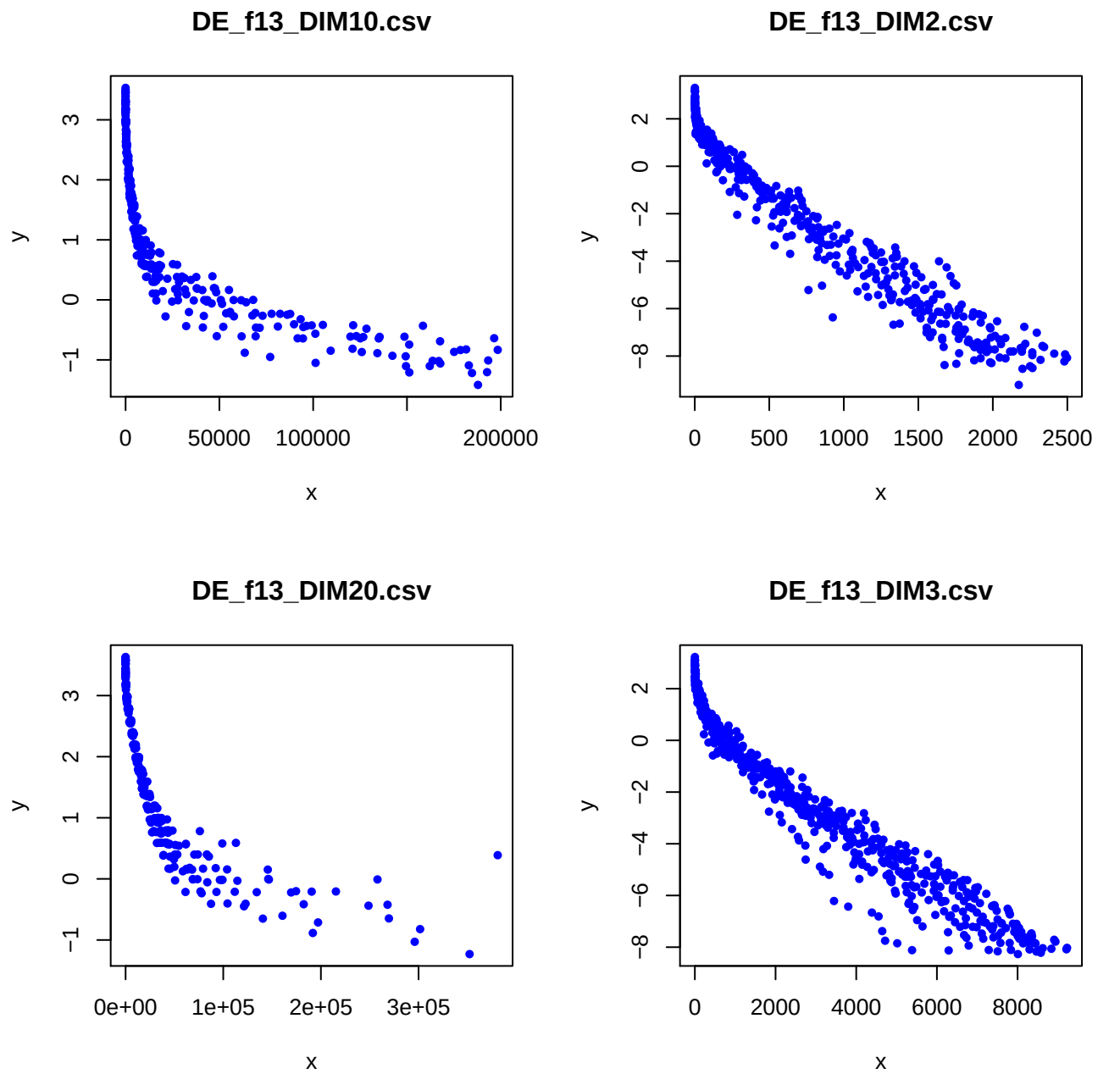
4e+04
8e+04


DE_f13_DIM10.csv
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x
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2
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0
−1
0
50000
100000
200000
DE_f13_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
500
1000
1500
2000
2500
DE_f13_DIM20.csv
y
x
3
2
1
0
−1
0e+00
1e+05
2e+05
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DE_f13_DIM3.csv
y
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6000
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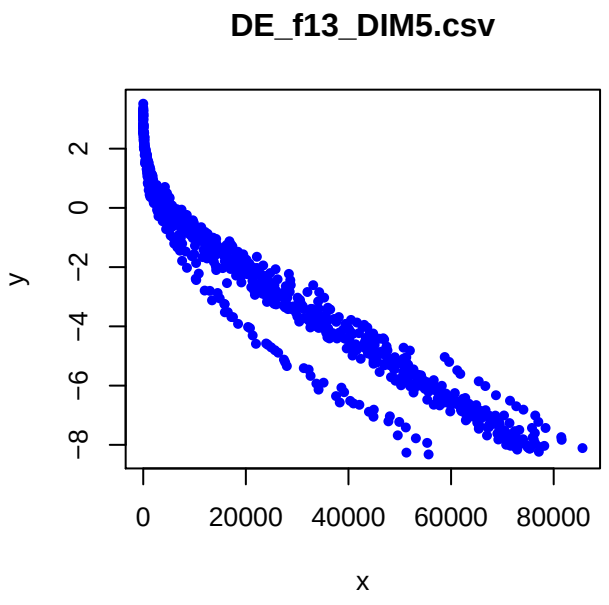
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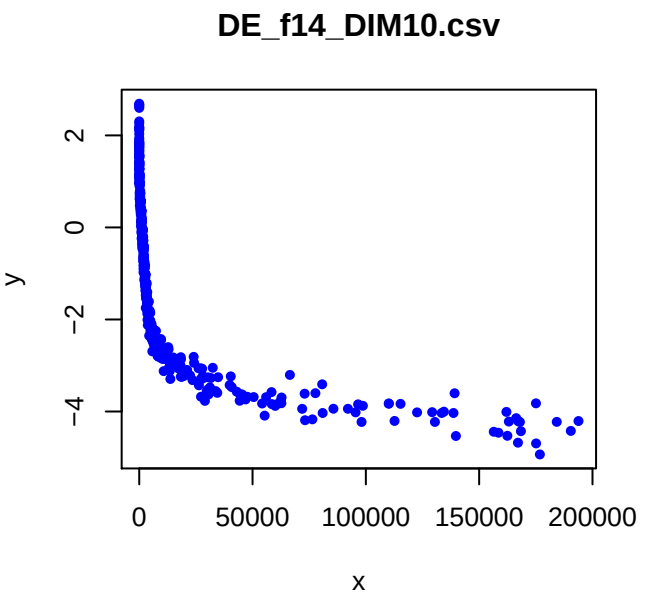
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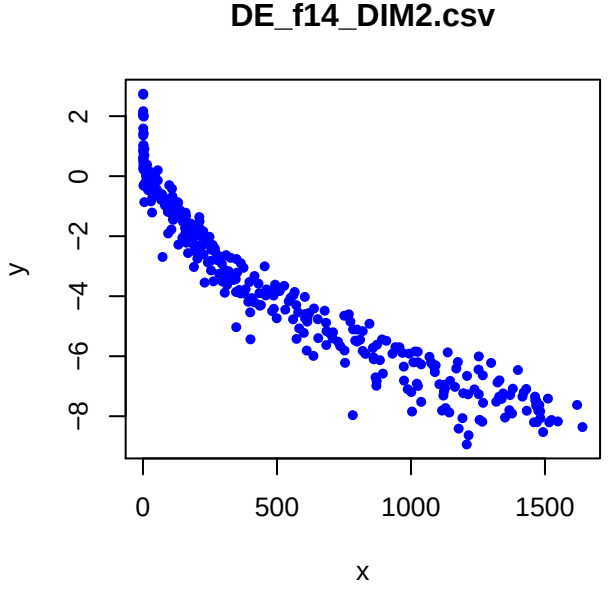
DE_f14_DIM2.csv
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x
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−4
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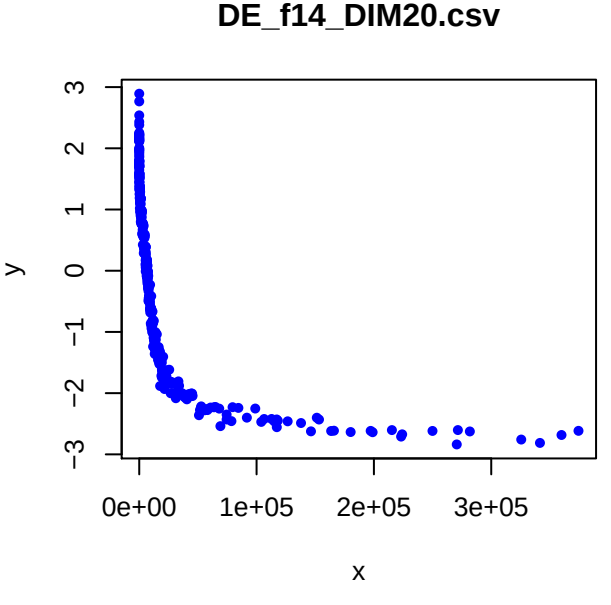
1000
1500


DE_f14_DIM20.csv
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x
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−2
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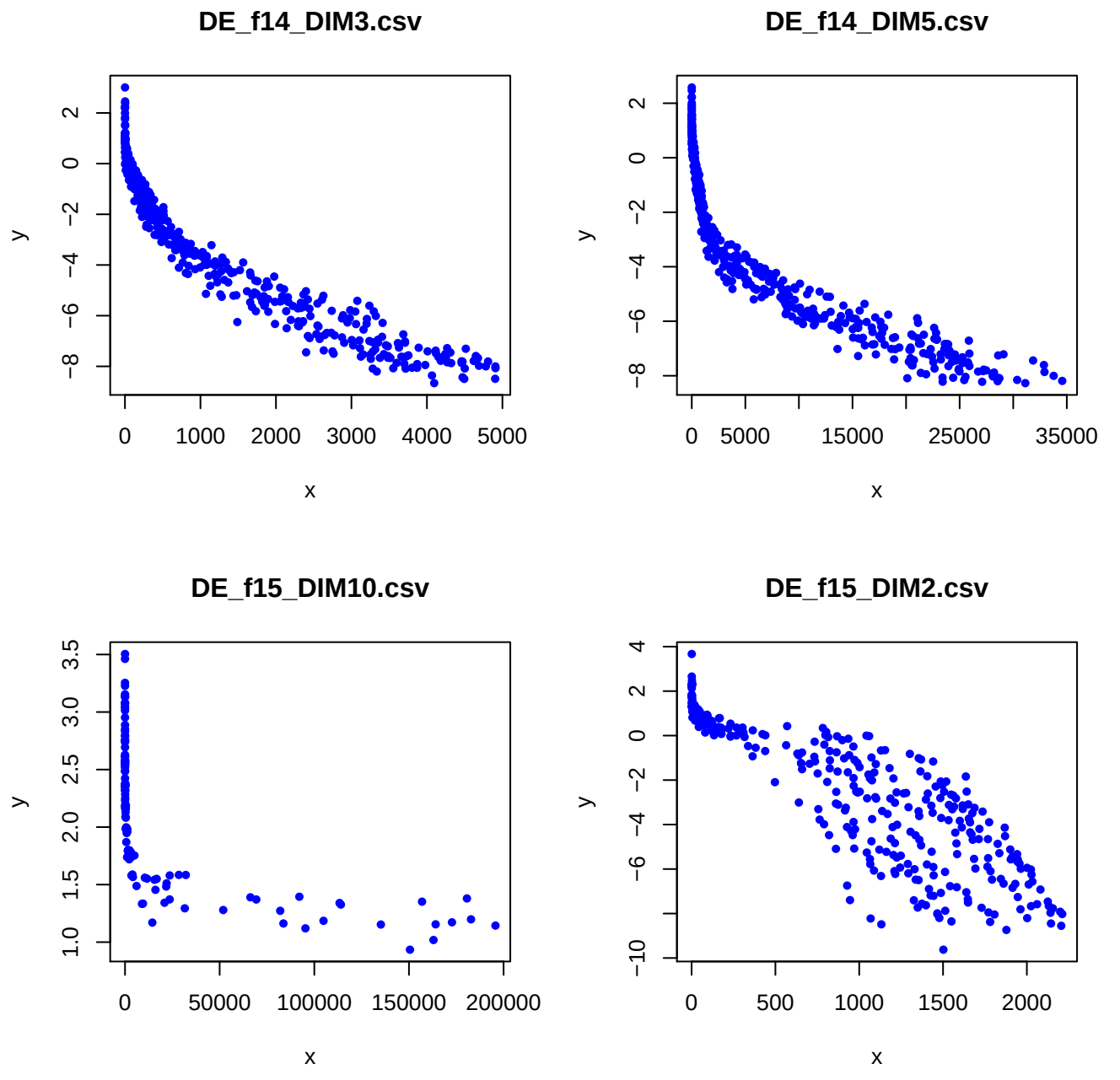
2e+05
3e+05


DE_f14_DIM3.csv
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−4
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−8
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1000
2000
3000
4000
5000
DE_f14_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000
35000
DE_f15_DIM10.csv
y
x
3.5
3.0
2.5
2.0
1.5
1.0
0
50000
100000
150000
200000
DE_f15_DIM2.csv
y
x
4
2
0
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−4
−6
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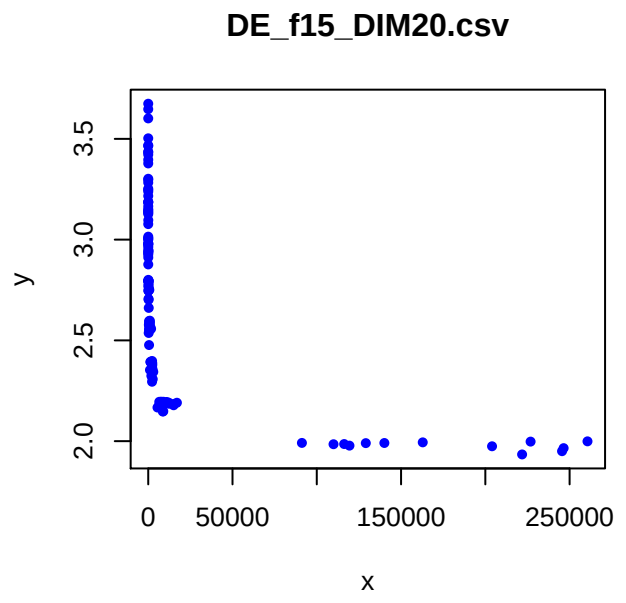
0
500
1000
1500
2000


DE_f15_DIM20.csv
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3.0
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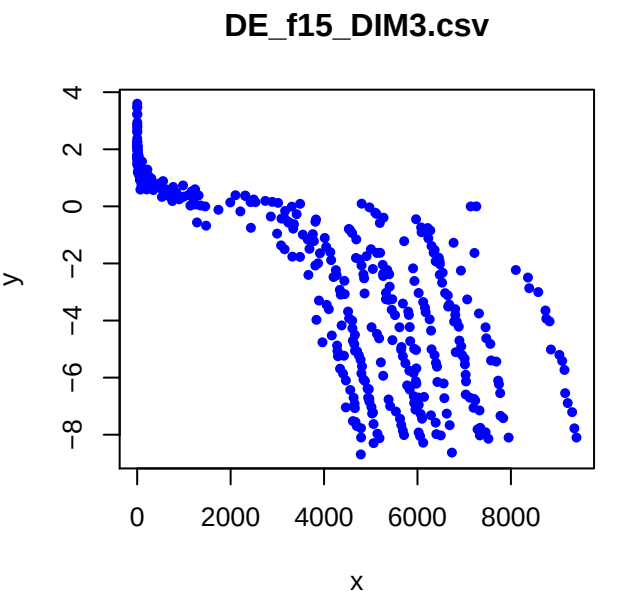
DE_f15_DIM3.csv
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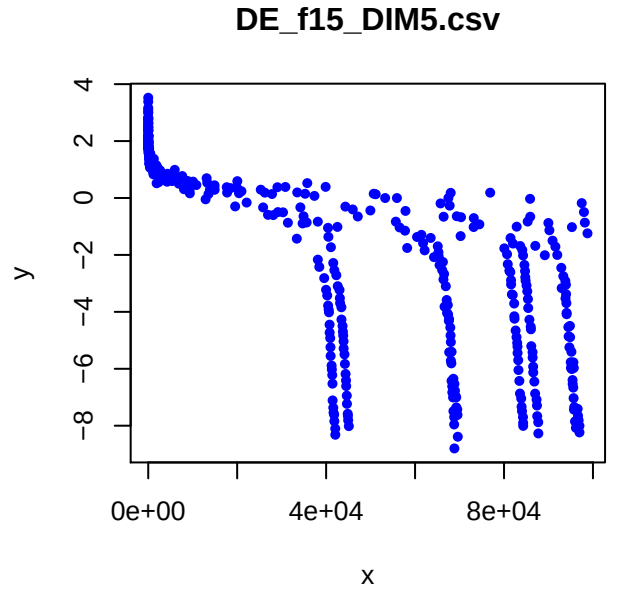
DE_f15_DIM5.csv
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x
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−6
−8
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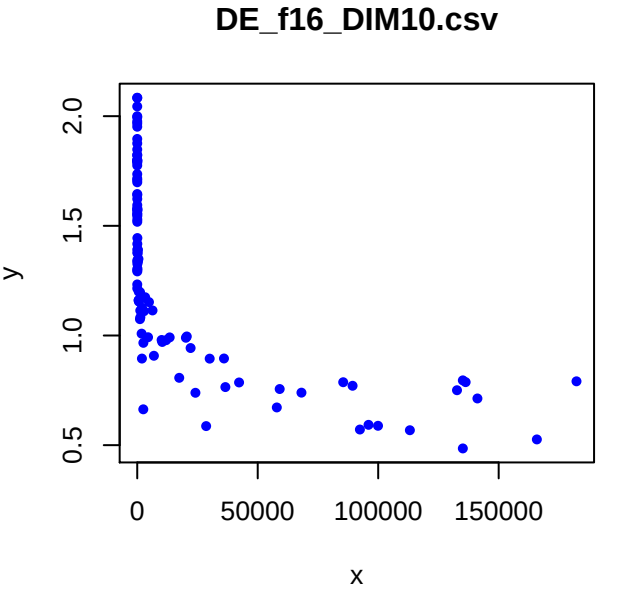
8e+04


DE_f16_DIM10.csv
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x
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1.5
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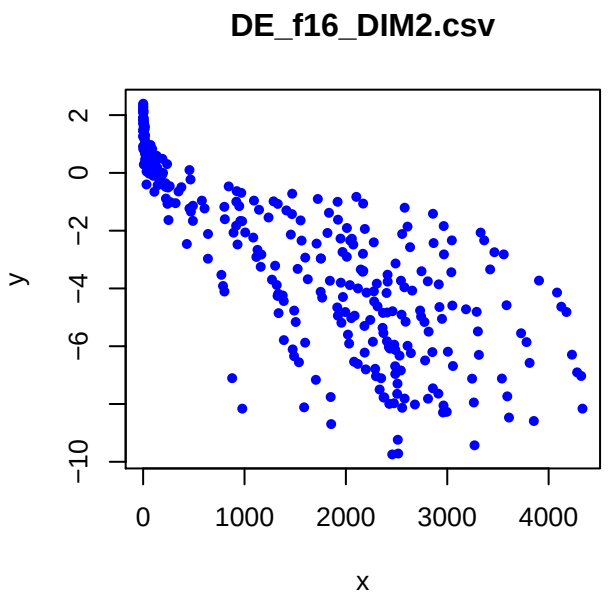
50000
100000
150000


DE_f16_DIM2.csv
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−2
−4
−6
−10
0
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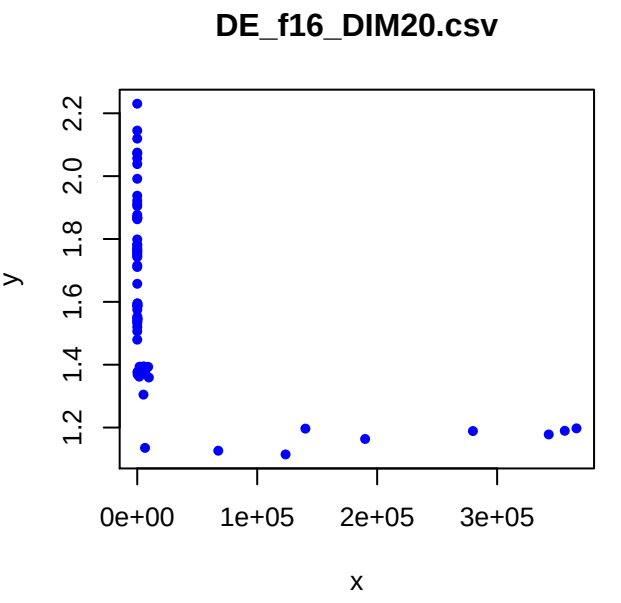
2000
3000
4000
x


DE_f16_DIM20.csv
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1.8
1.6
1.4
1.2
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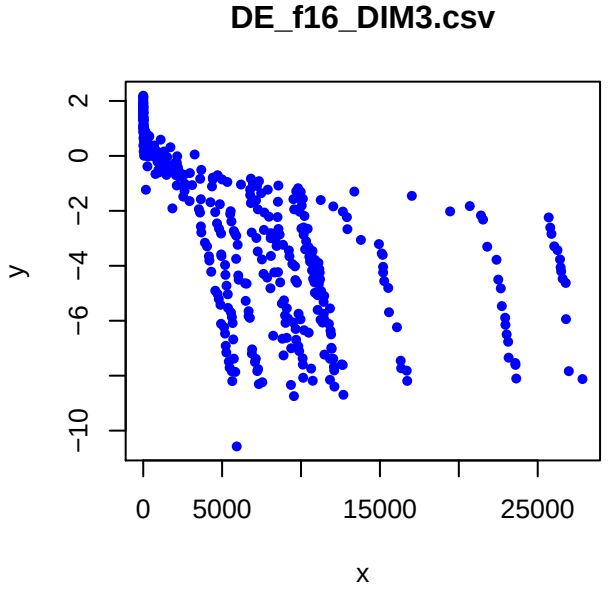
1e+05
2e+05
3e+05
x


DE_f16_DIM3.csv
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−6
−10
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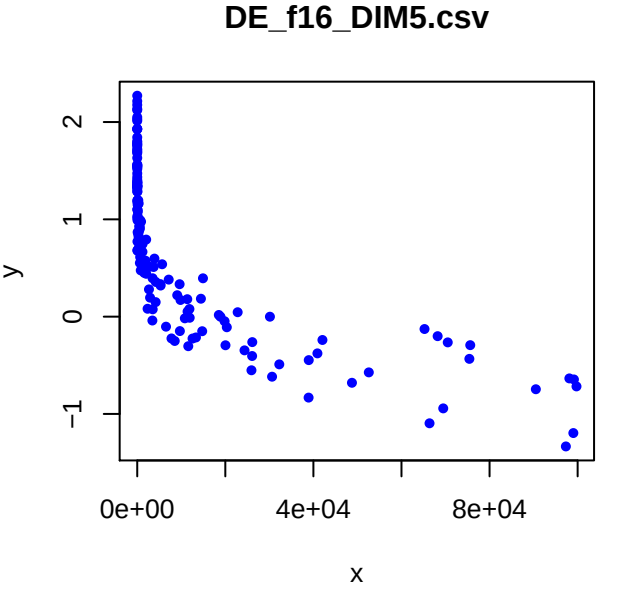
15000
25000
x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−1
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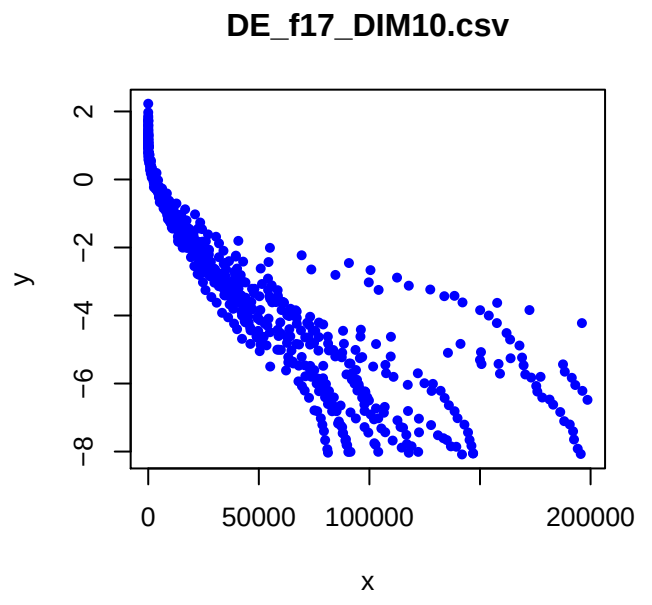
4e+04
8e+04
x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−4
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50000
100000
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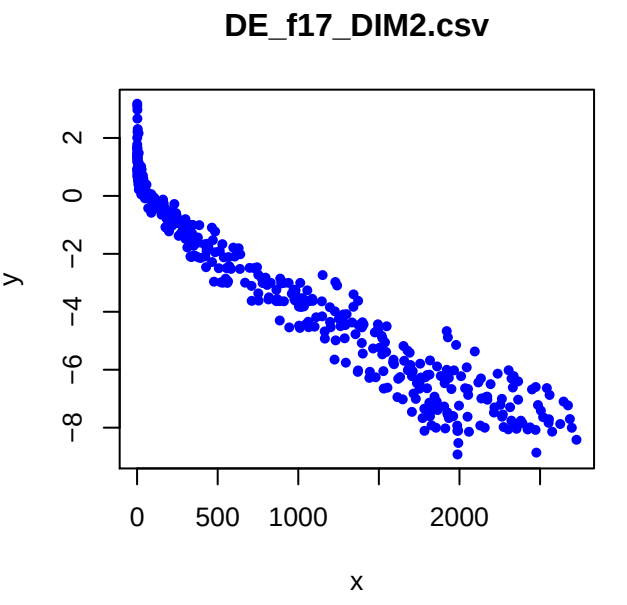
DE_f17_DIM2.csv
y
x
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−4
−6
−8
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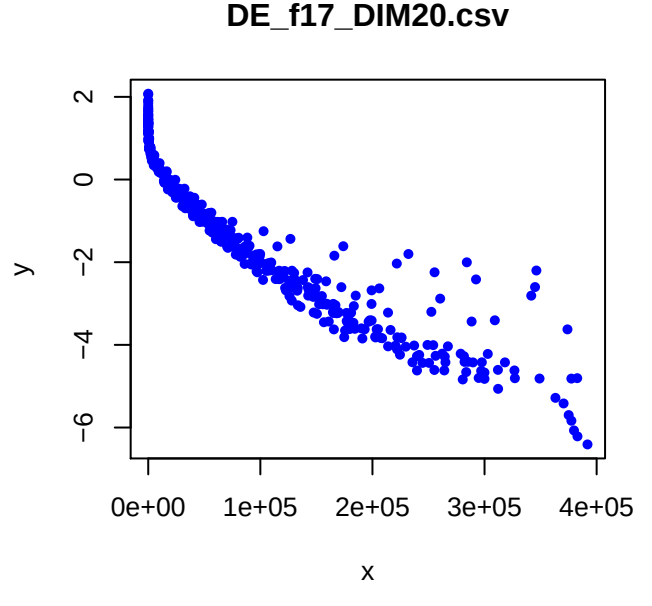
1000
2000


DE_f17_DIM20.csv
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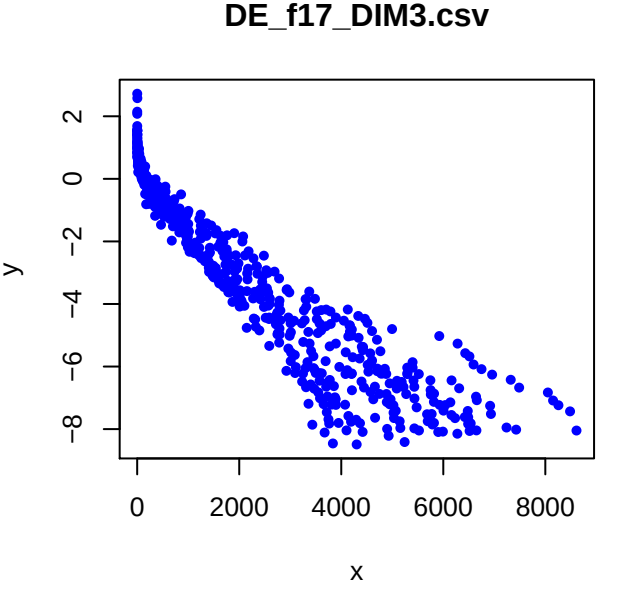
DE_f17_DIM3.csv
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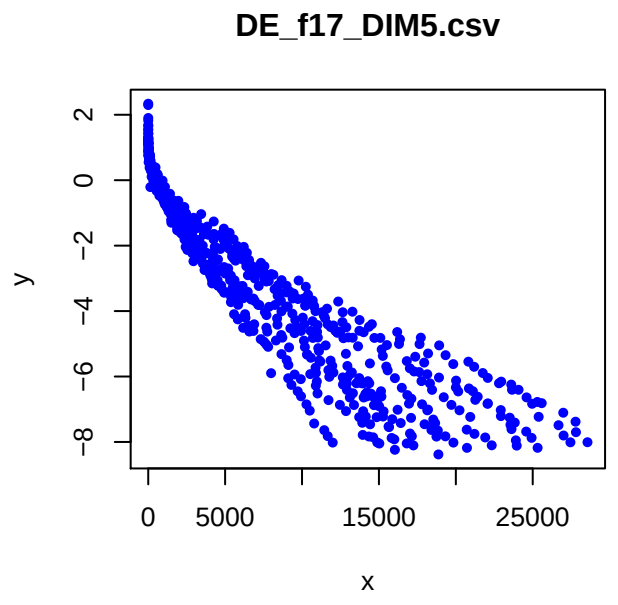
DE_f17_DIM5.csv
y
x
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−4
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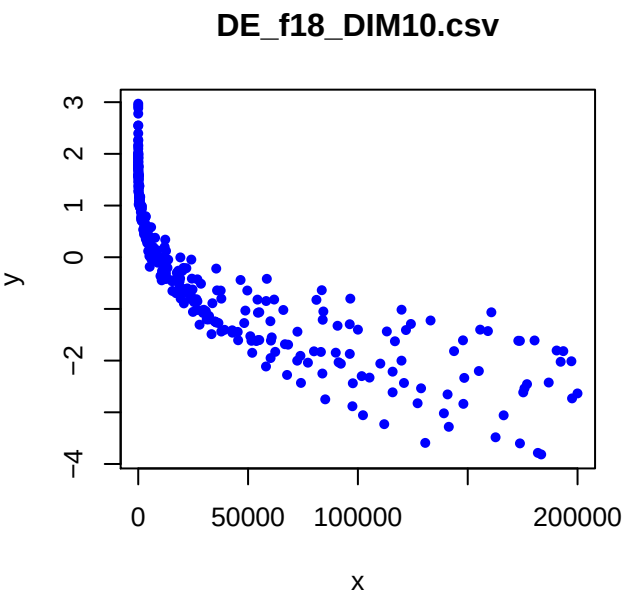
DE_f18_DIM10.csv
y
x
3
2
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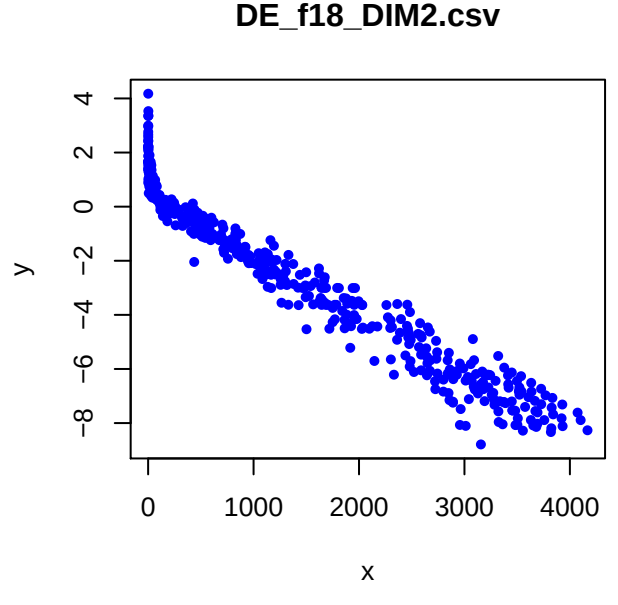
200000


DE_f18_DIM2.csv
y
x
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−6
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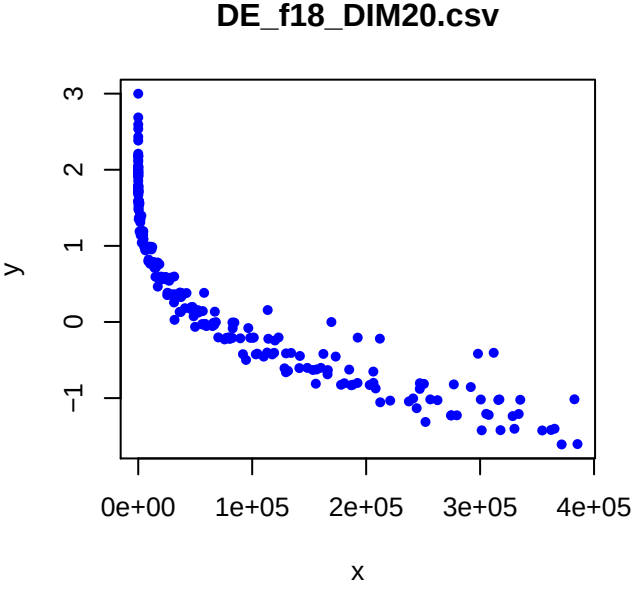
3000
4000


DE_f18_DIM20.csv
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x
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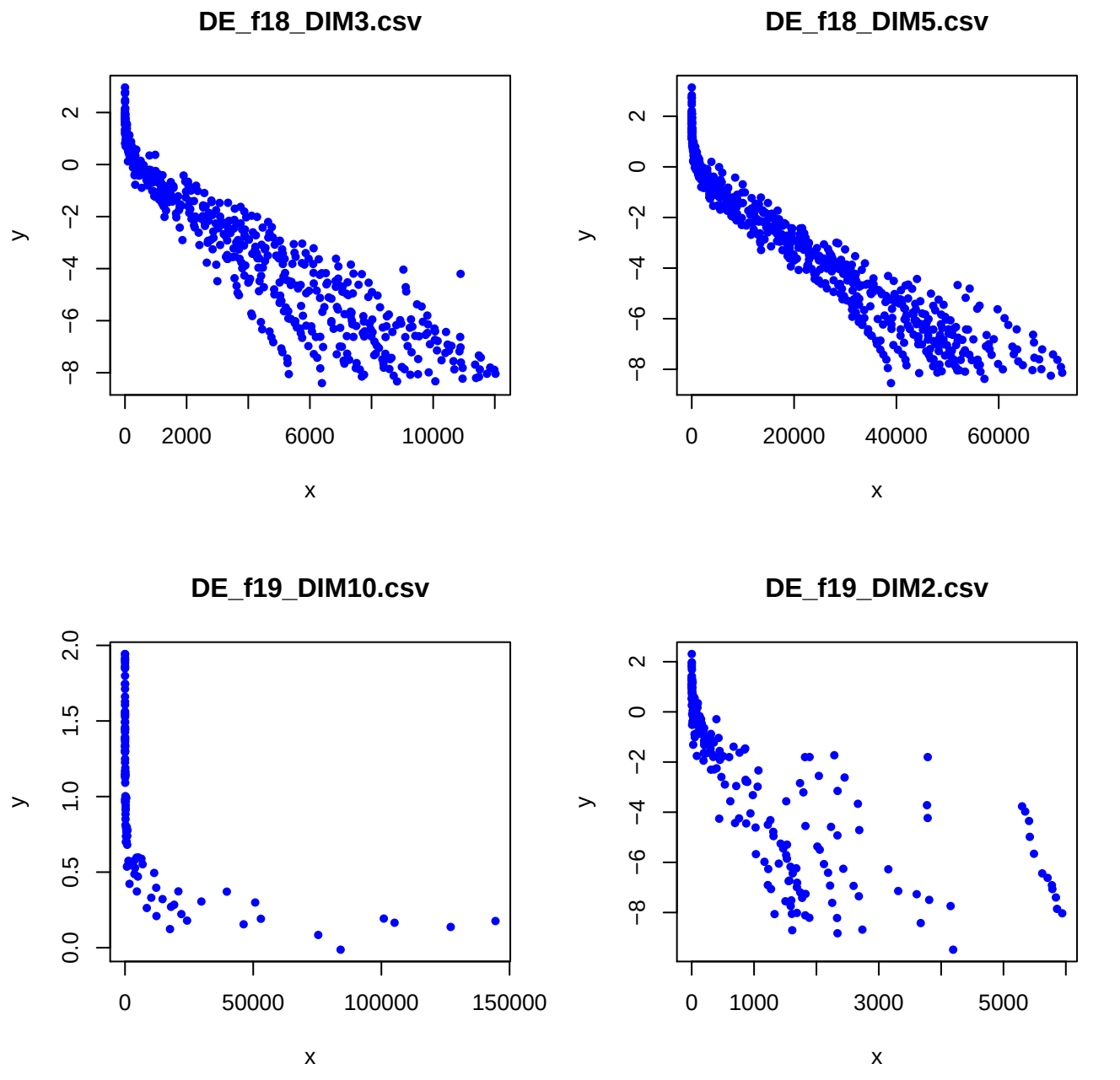
DE_f18_DIM3.csv
y
x
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0
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−4
−6
−8
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2000
6000
10000
DE_f18_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
20000
40000
60000
DE_f19_DIM10.csv
y
x
2.0
1.5
1.0
0.5
0.0
0
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x
2
0
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−4
−6
−8
0
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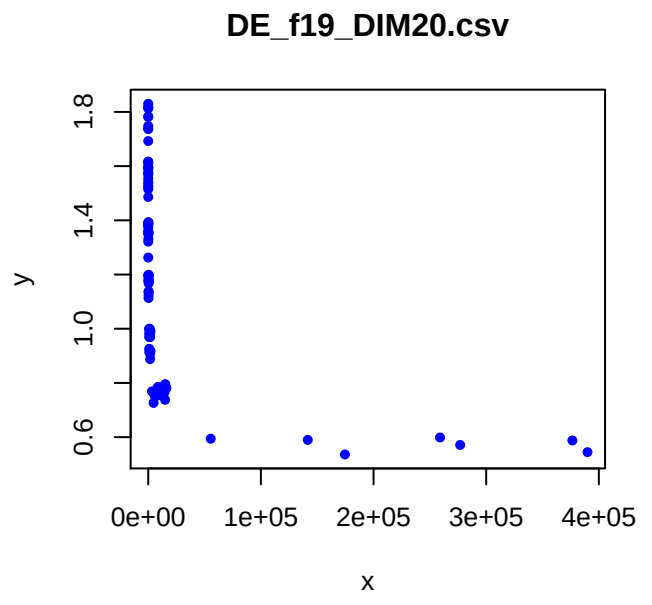
3000
5000


DE_f19_DIM20.csv
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0.6
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2e+05
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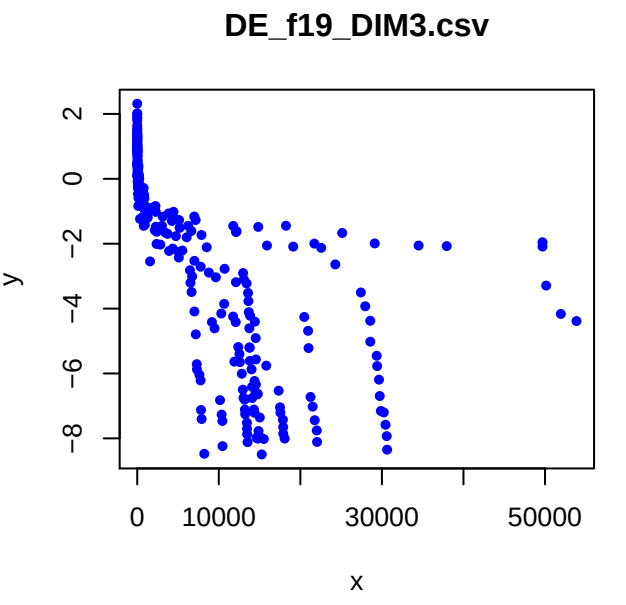
4e+05
x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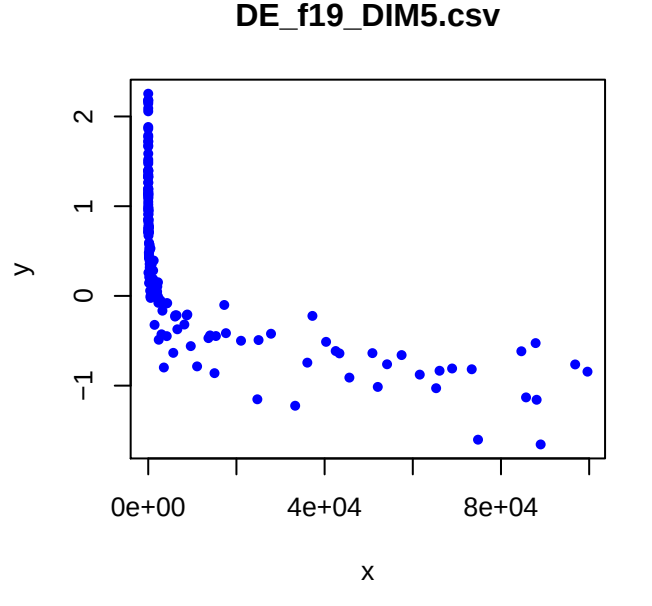
50000
x


DE_f19_DIM5.csv
y
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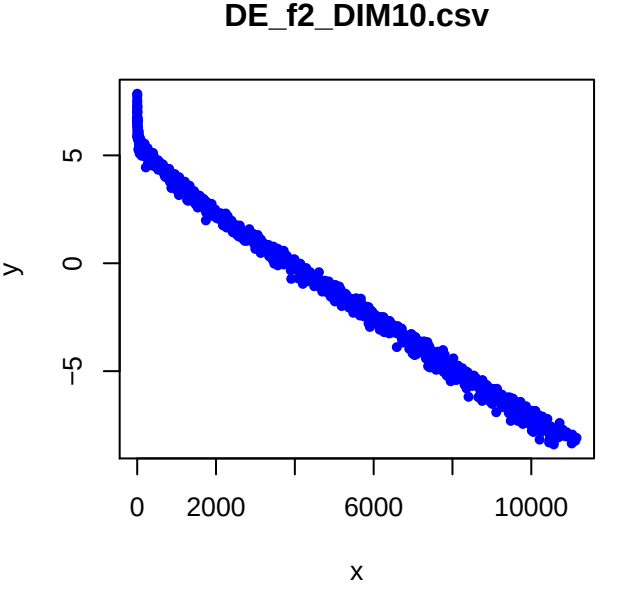
−1
0e+00
4e+04
8e+04
x


DE_f2_DIM10.csv
y
5
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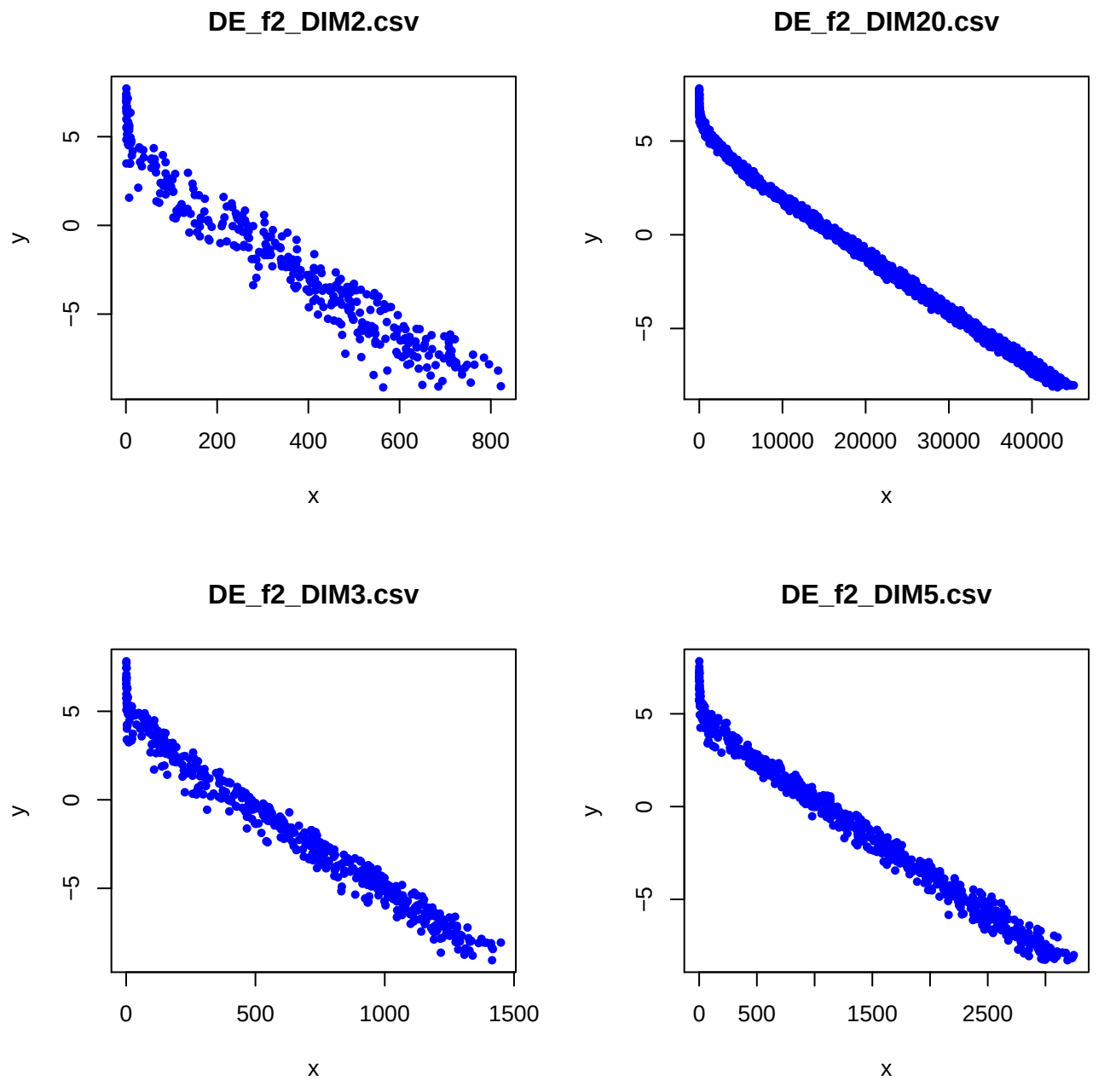
0
2000
6000
10000
x


DE_f2_DIM2.csv
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200
400
600
800
x
DE_f2_DIM20.csv
y
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0
10000
20000
30000
40000
x
DE_f2_DIM3.csv
y
5
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1000
1500
x
DE_f2_DIM5.csv
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−5
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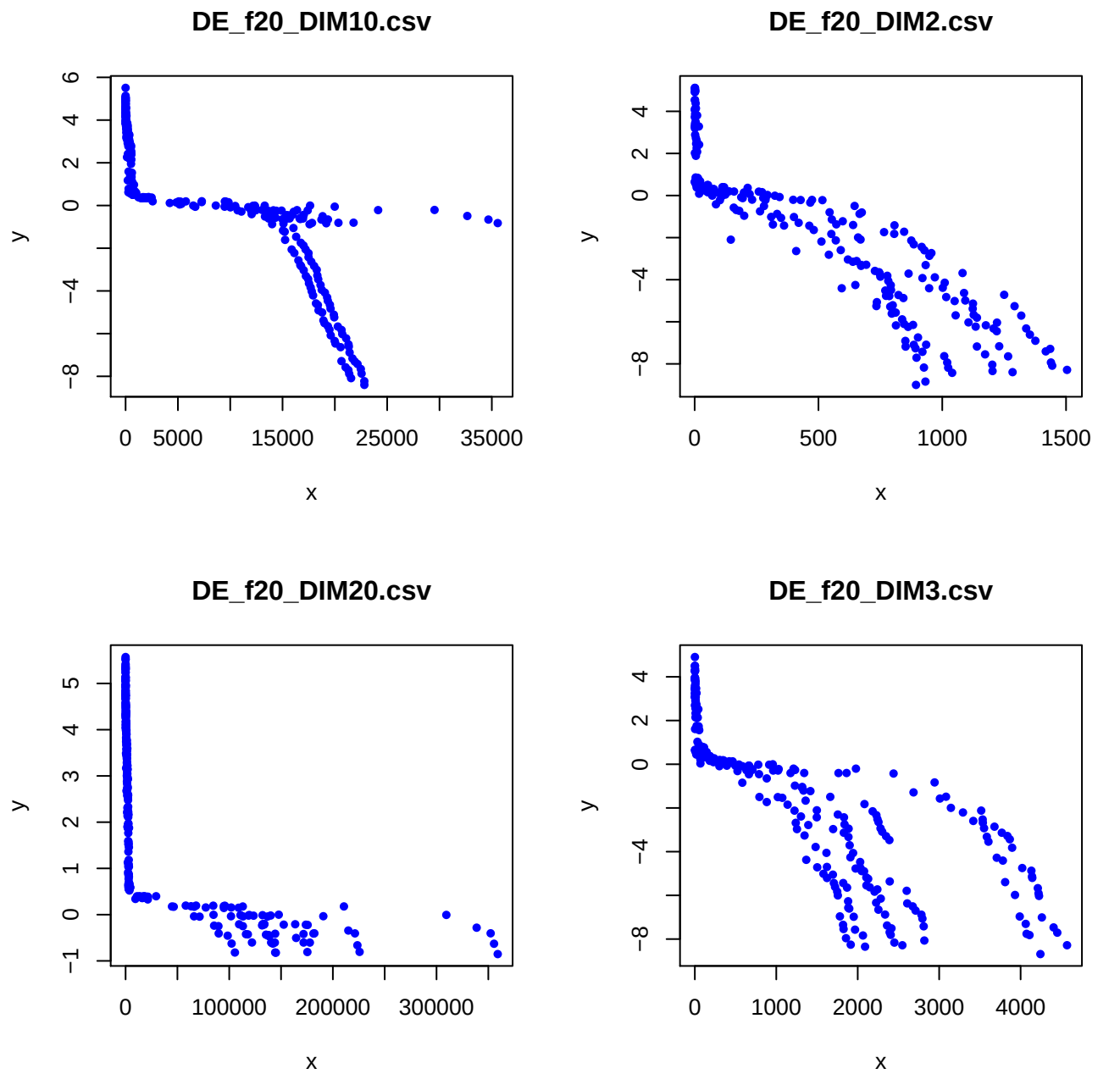
500
1500
2500
x


DE_f20_DIM10.csv
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15000
25000
35000
DE_f20_DIM2.csv
y
x
4
2
0
−4
−8
0
500
1000
1500
DE_f20_DIM20.csv
y
x
5
4
3
2
1
0
−1
0
100000
200000
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DE_f20_DIM3.csv
y
x
4
2
0
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1000
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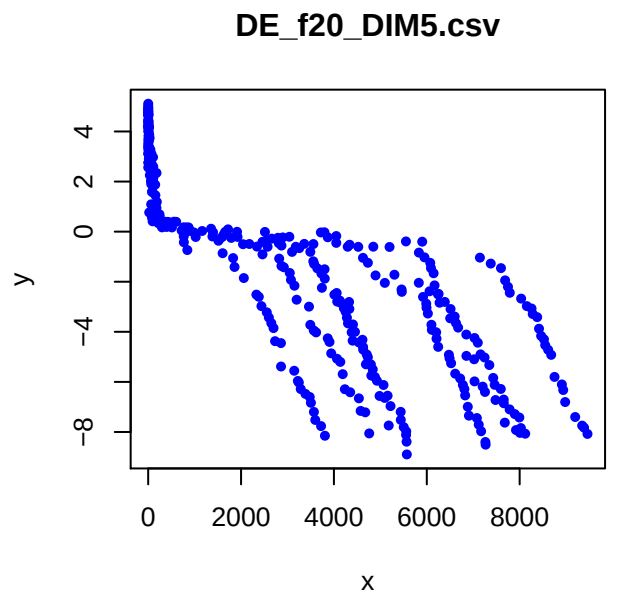
3000
4000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x
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−4
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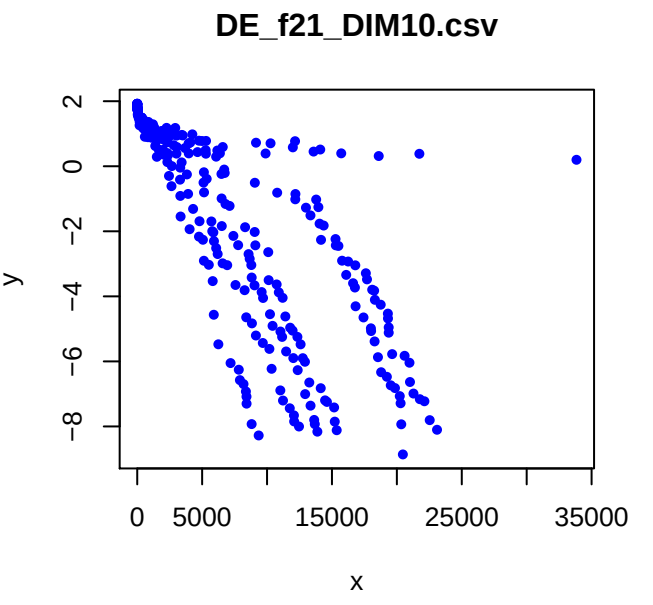
6000
8000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−6
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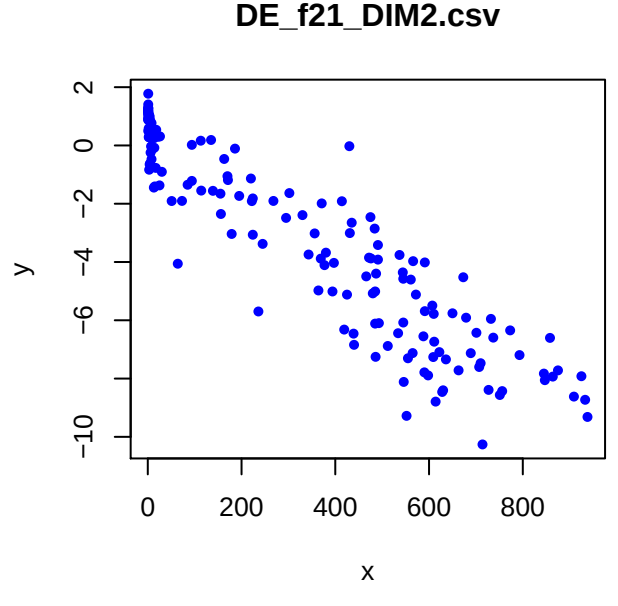
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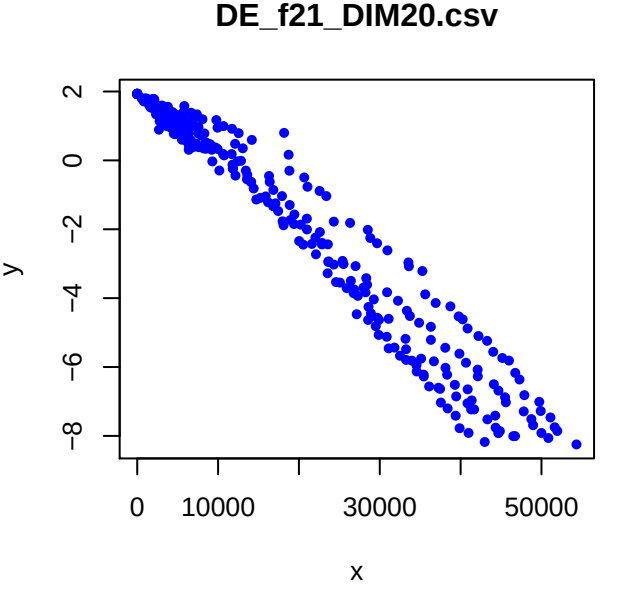
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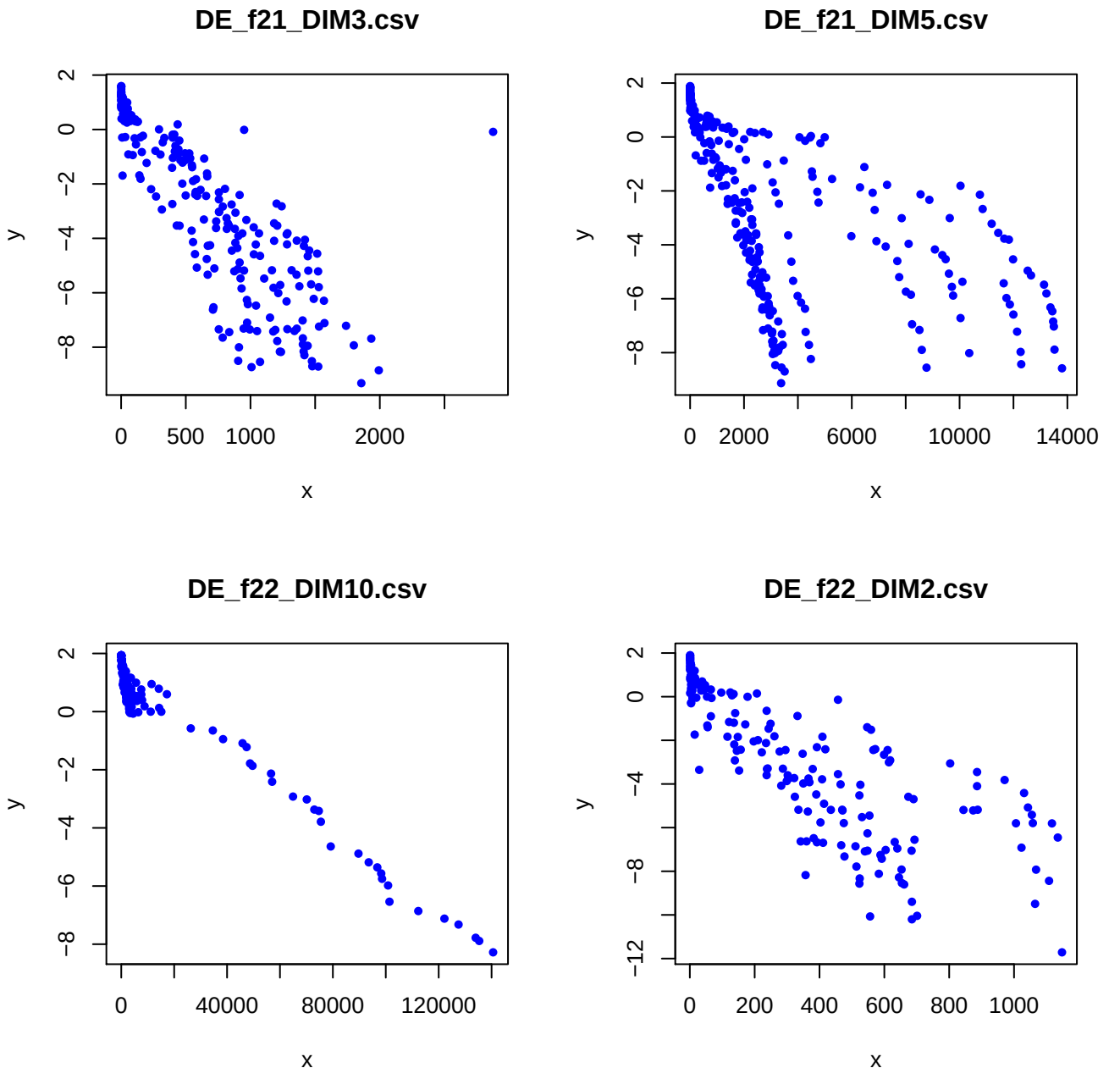
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−6
−8
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500
1000
2000
DE_f21_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
2000
6000
10000
14000
DE_f22_DIM10.csv
y
x
2
0
−2
−4
−6
−8
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40000
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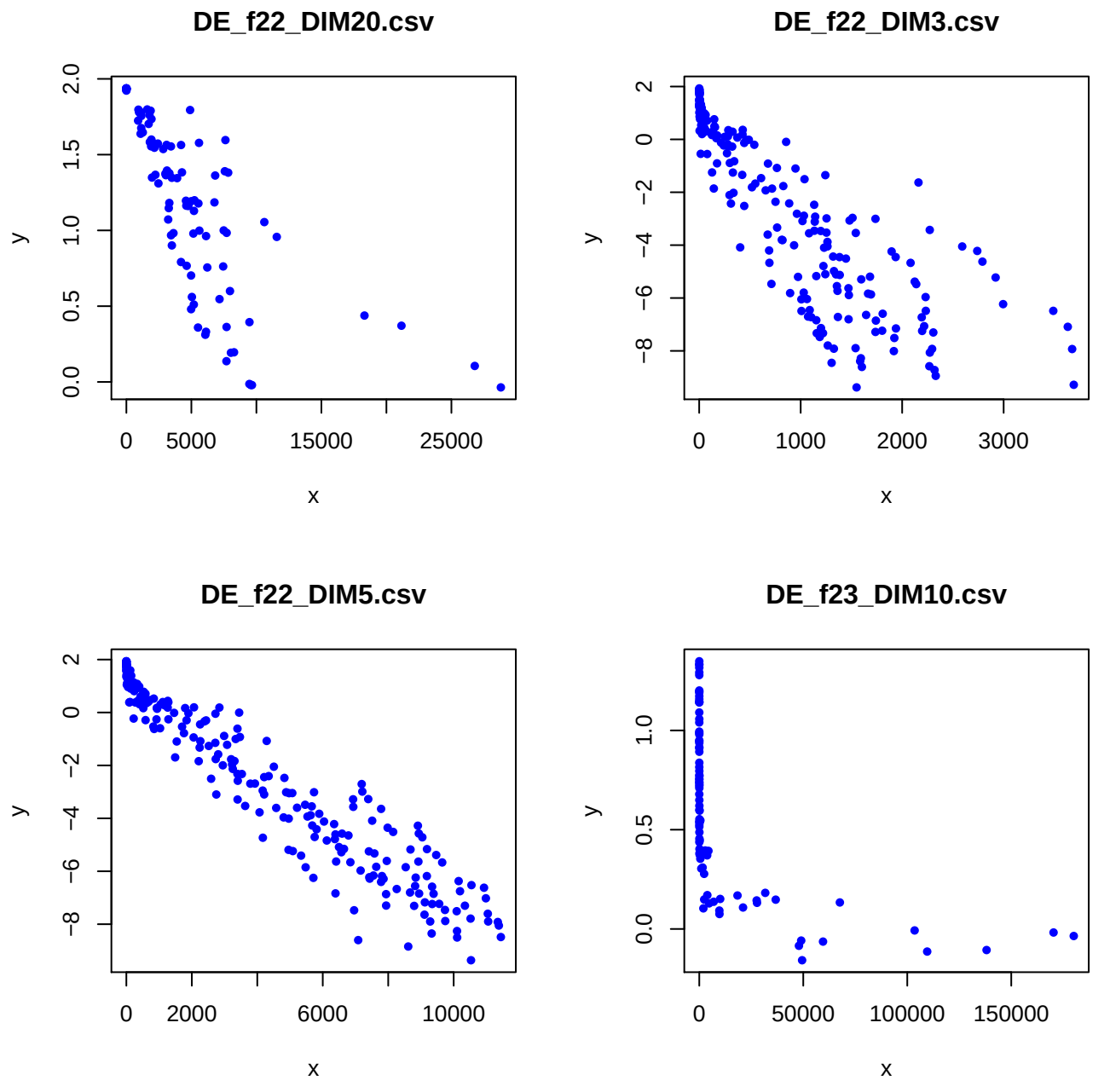
600
800
1000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1.5
2.0
0
5000
15000
25000
x
DE_f22_DIM3.csv
y
2
0
−2
−4
−6
−8
0
1000
2000
3000
x
DE_f22_DIM5.csv
y
2
0
−2
−4
−6
−8
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6000
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x
DE_f23_DIM10.csv
y
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1.0
0
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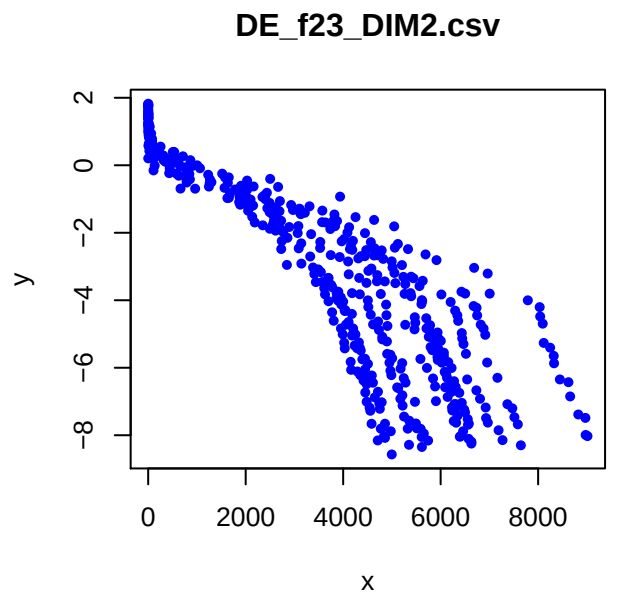
100000
150000
x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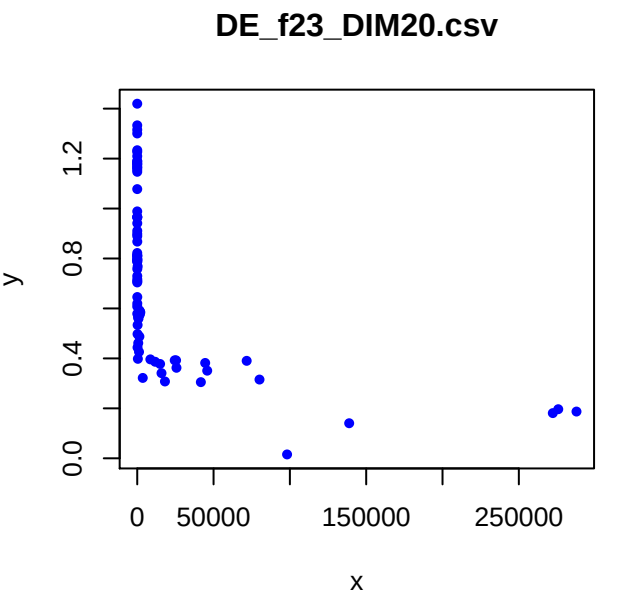
6000
8000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x
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0.4
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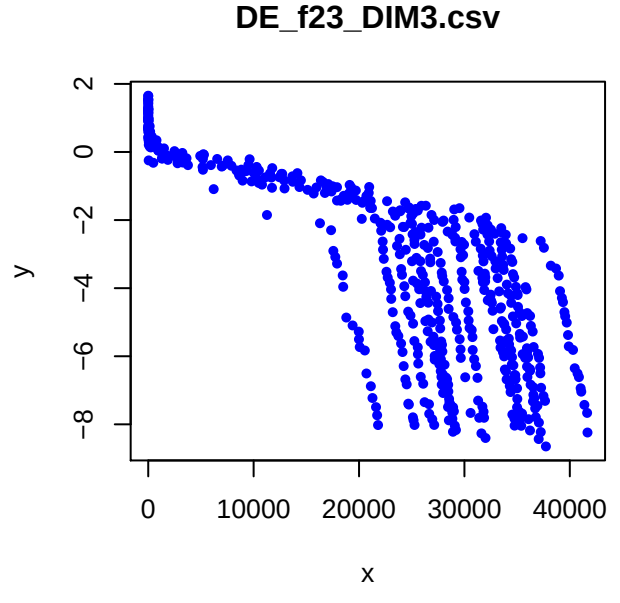
250000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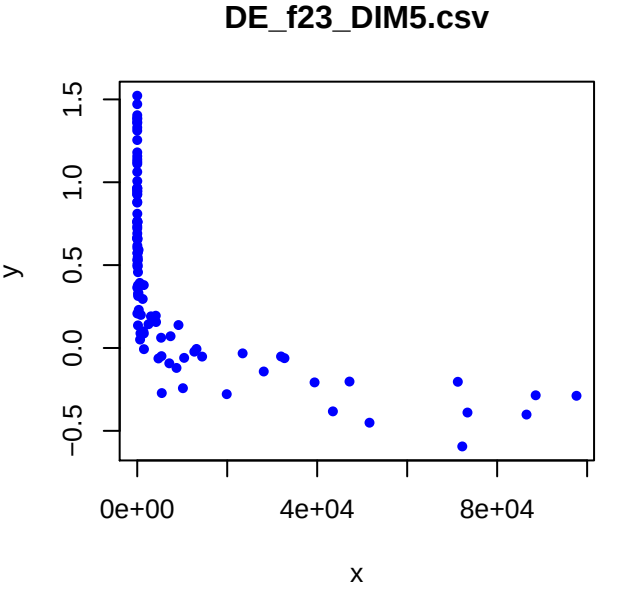
DE_f23_DIM5.csv
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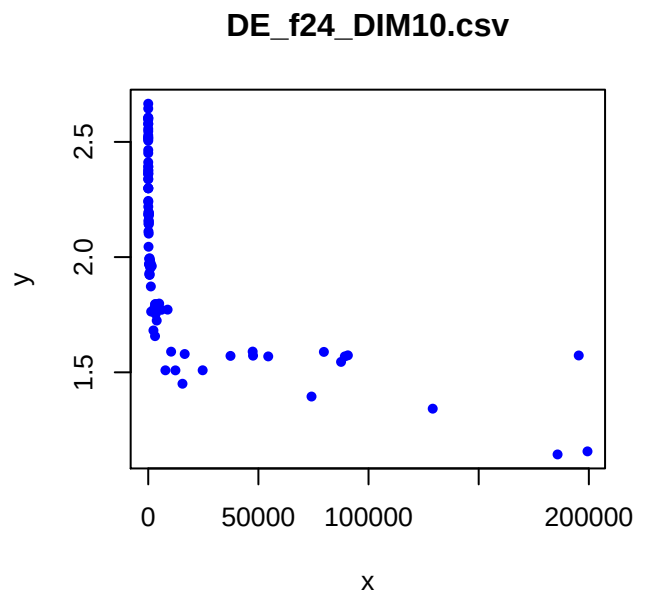
4e+04
8e+04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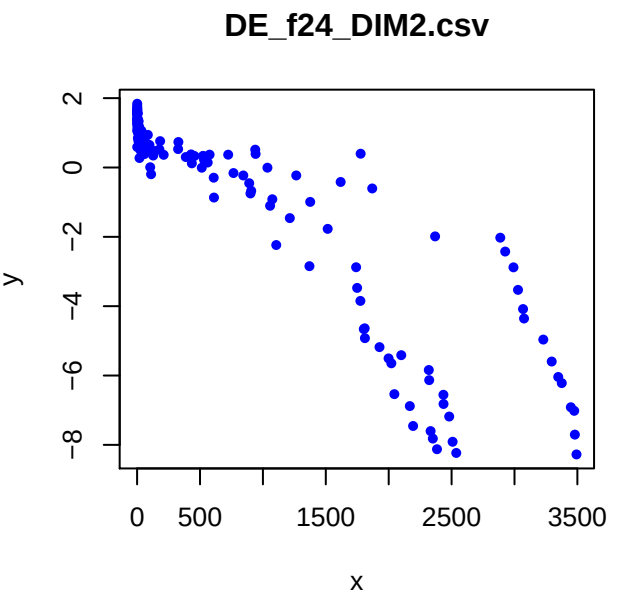
200000
x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−4
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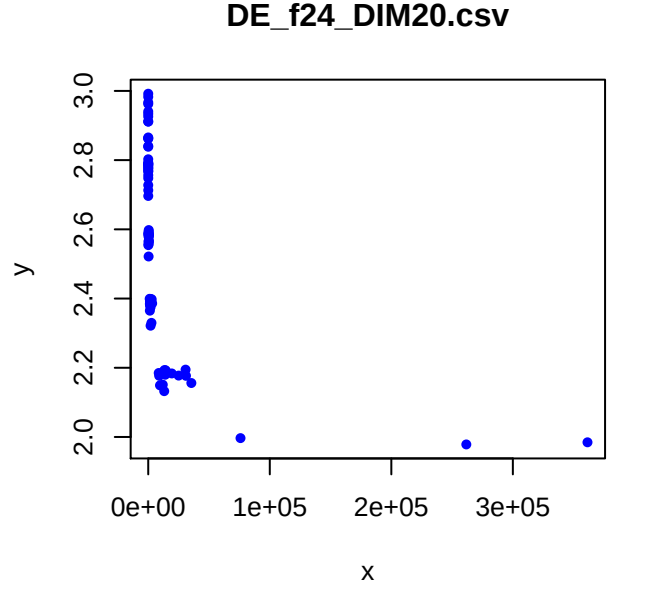
1500
2500
3500
x


DE_f24_DIM20.csv
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2.6
2.4
2.2
2.0
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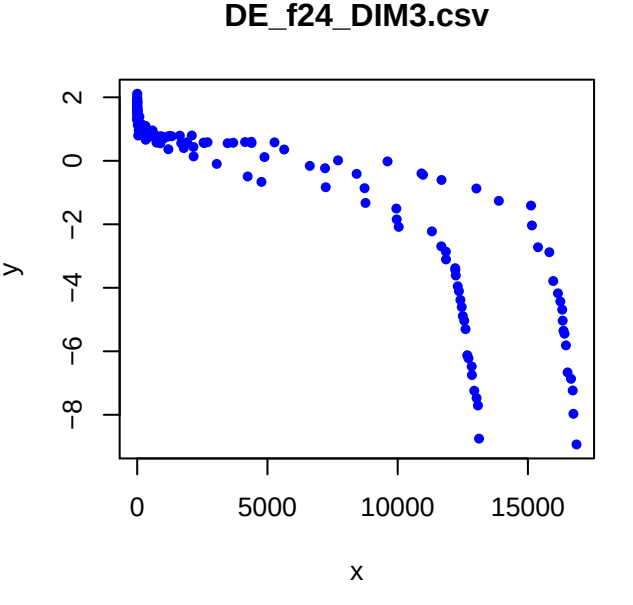
x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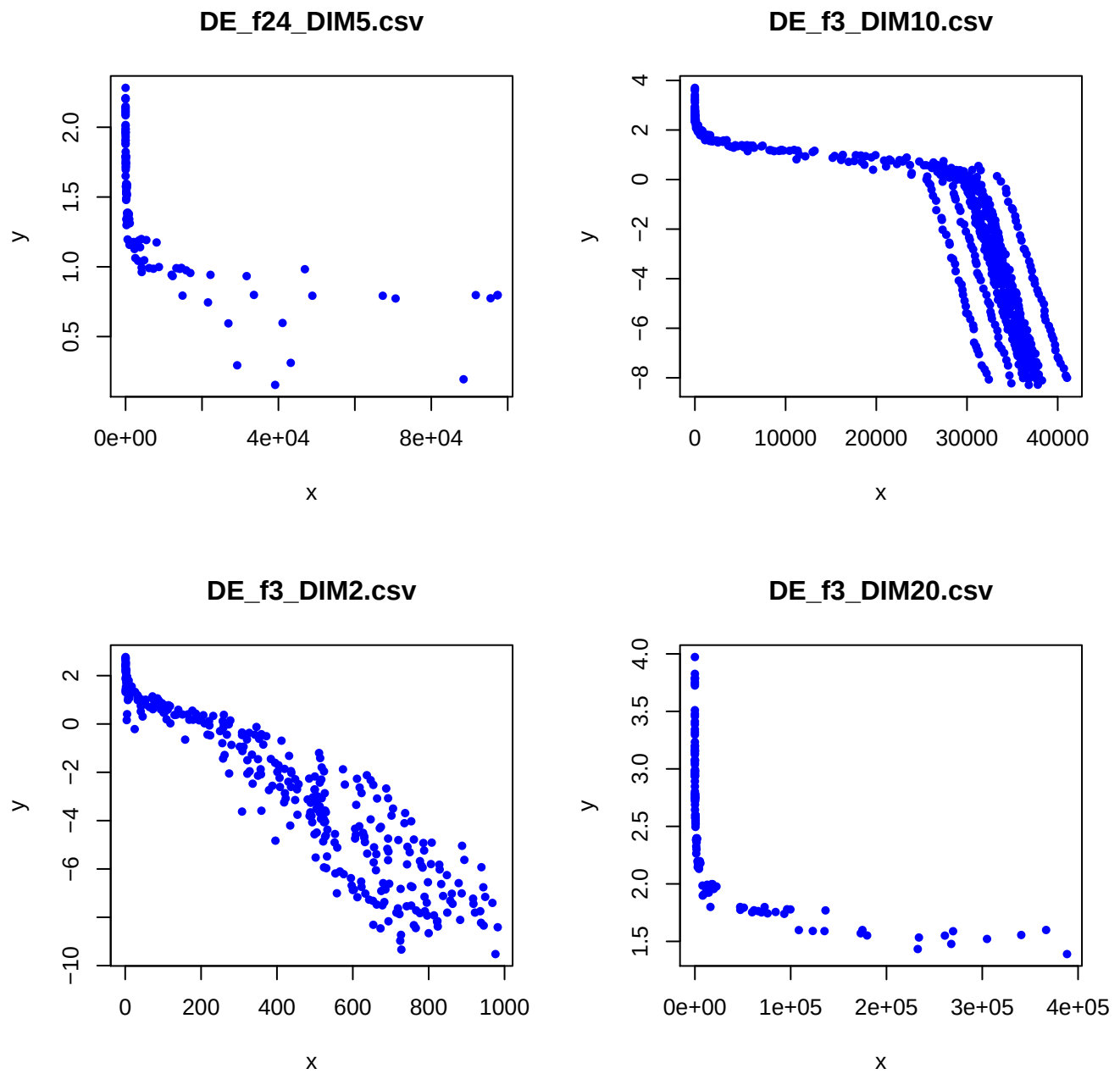
15000
x


DE_f24_DIM5.csv
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1.5
2.0
0e+00
4e+04
8e+04
x
DE_f3_DIM10.csv
y
4
2
0
−2
−4
−6
−8
0
10000
20000
30000
40000
x
DE_f3_DIM2.csv
y
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x
DE_f3_DIM20.csv
y
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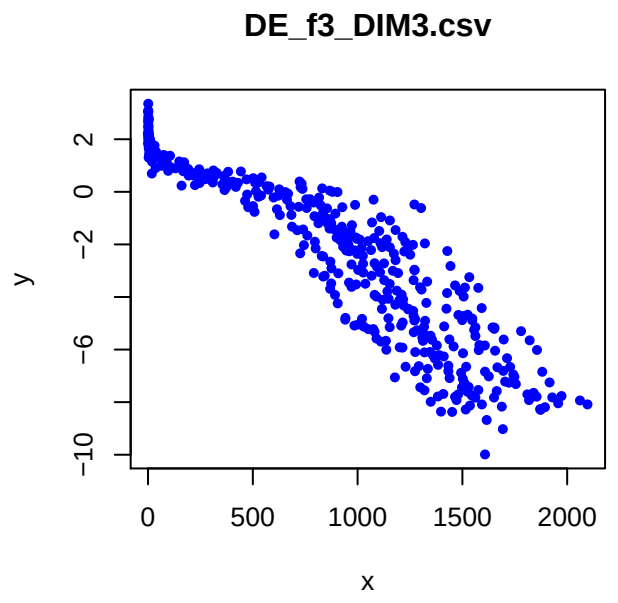
4e+05
x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1500
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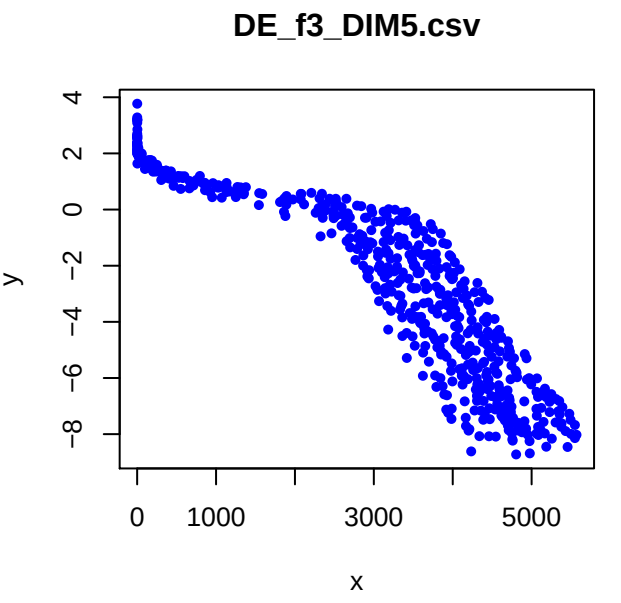
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x
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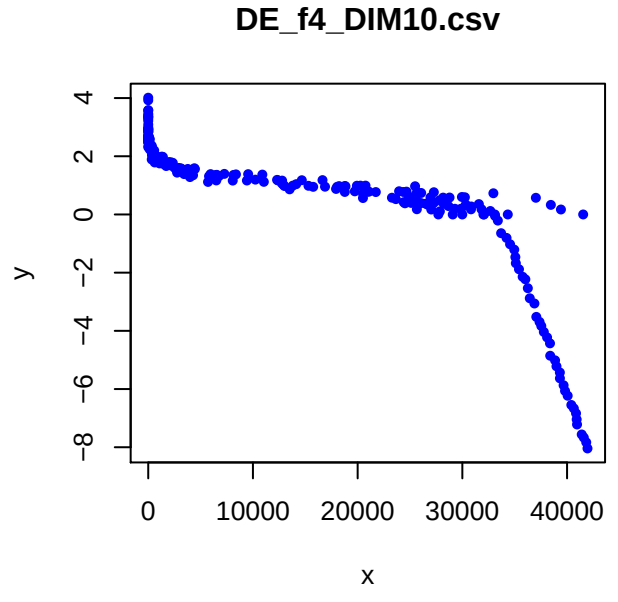
3000
5000


DE_f4_DIM10.csv
y
x
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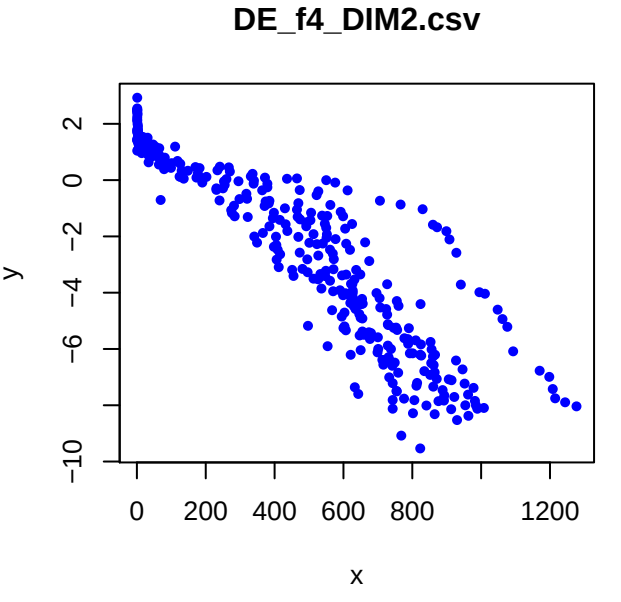
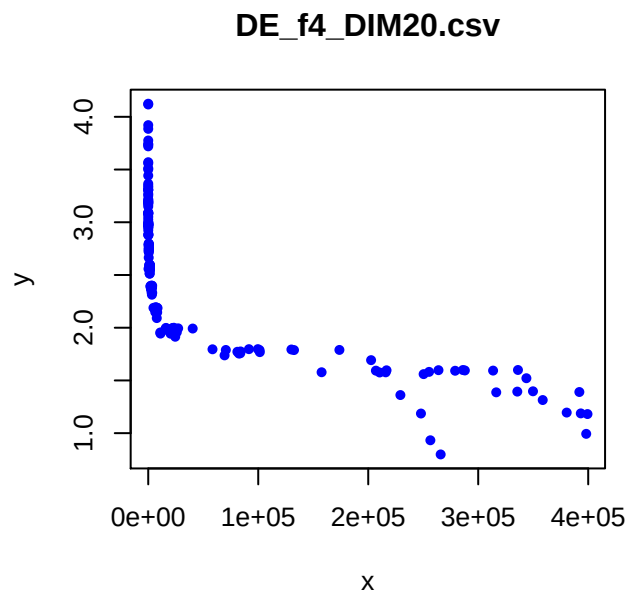
2
0
−2
−4
−6
−8
0
10000
20000
30000
40000


DE_f4_DIM2.csv
y
x
2
0
−2
−4
−6
−10
0
200
400
600
800
1200


DE_f4_DIM20.csv
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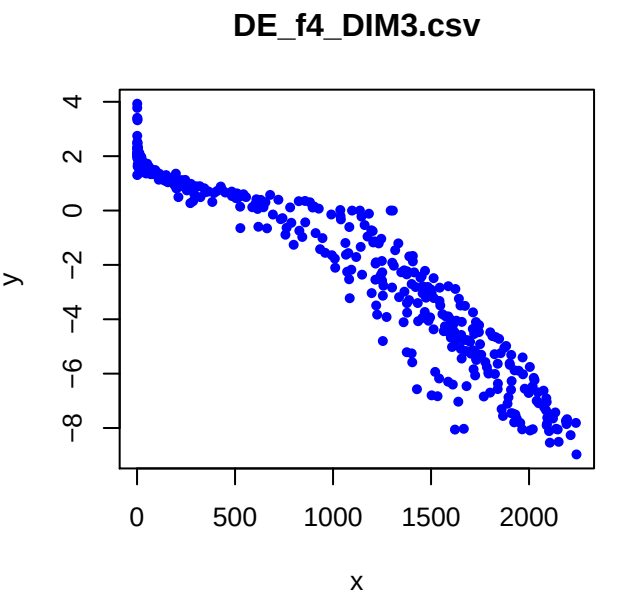
3.0
2.0
1.0
0e+00
1e+05
2e+05
3e+05
4e+05
x


DE_f4_DIM3.csv
y
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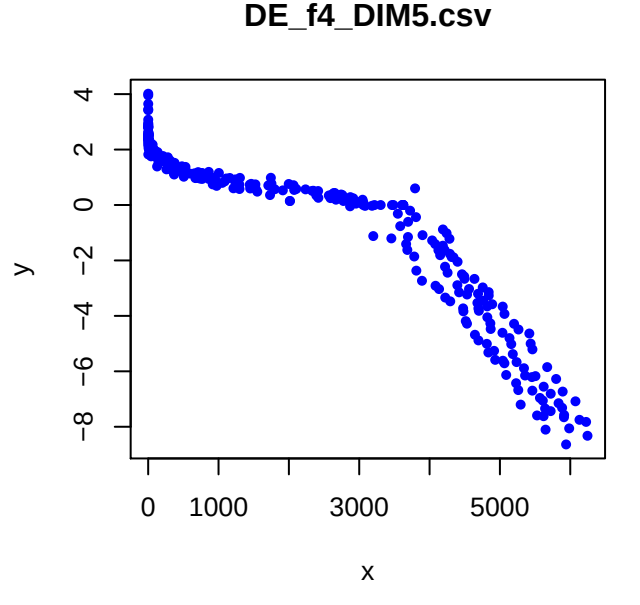
0
−2
−4
−6
−8
0
500
1000
1500
2000
x


DE_f4_DIM5.csv
y
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−6
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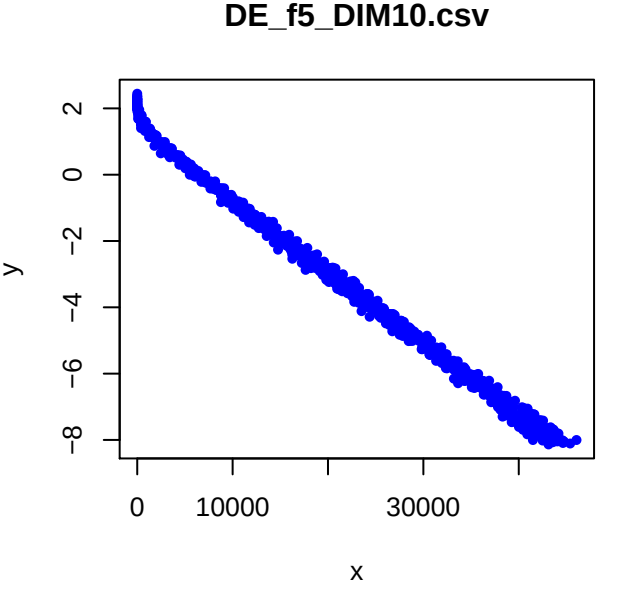
1000
3000
5000
x


DE_f5_DIM10.csv
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−4
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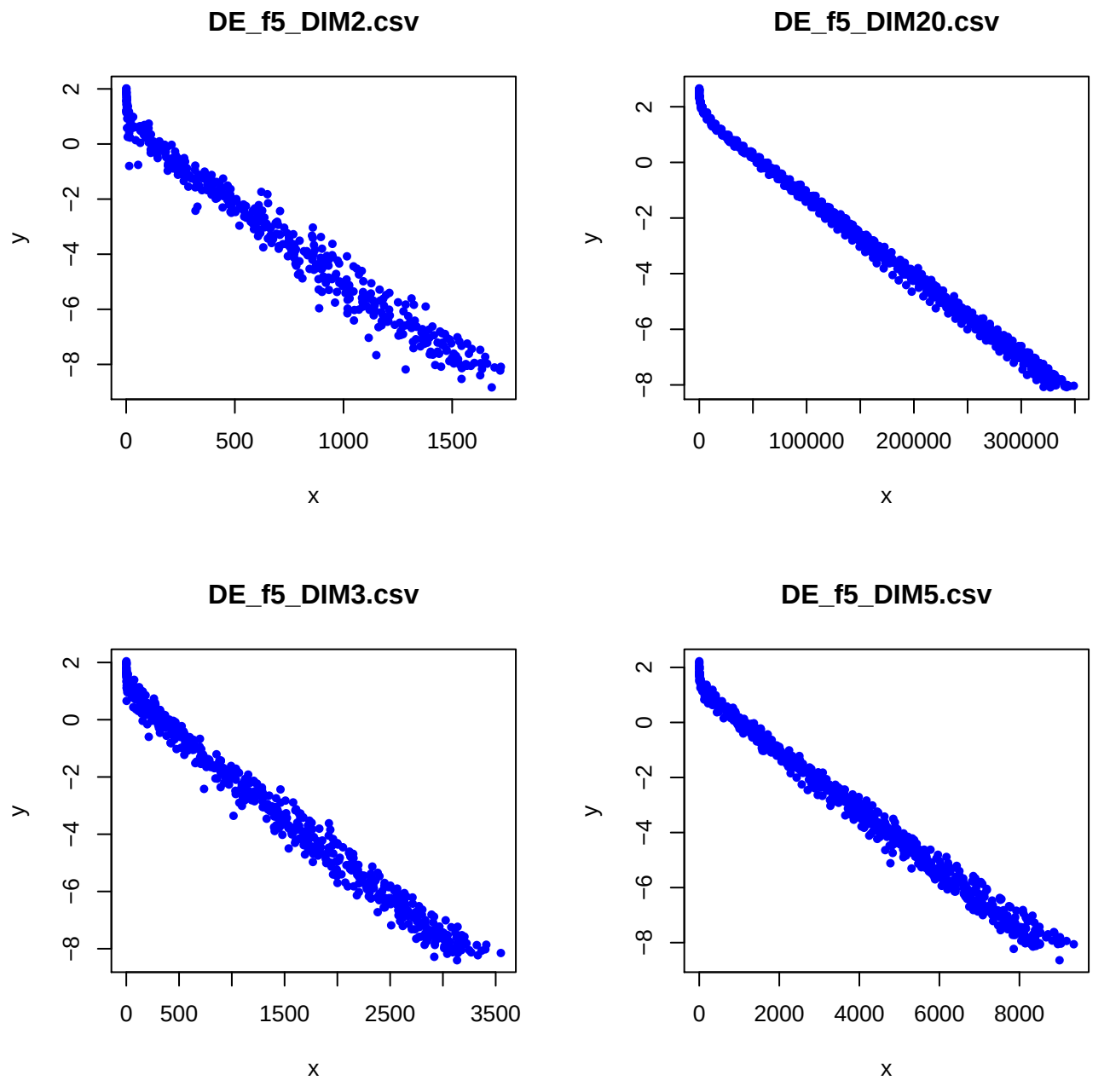
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DE_f5_DIM20.csv
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300000
DE_f5_DIM3.csv
y
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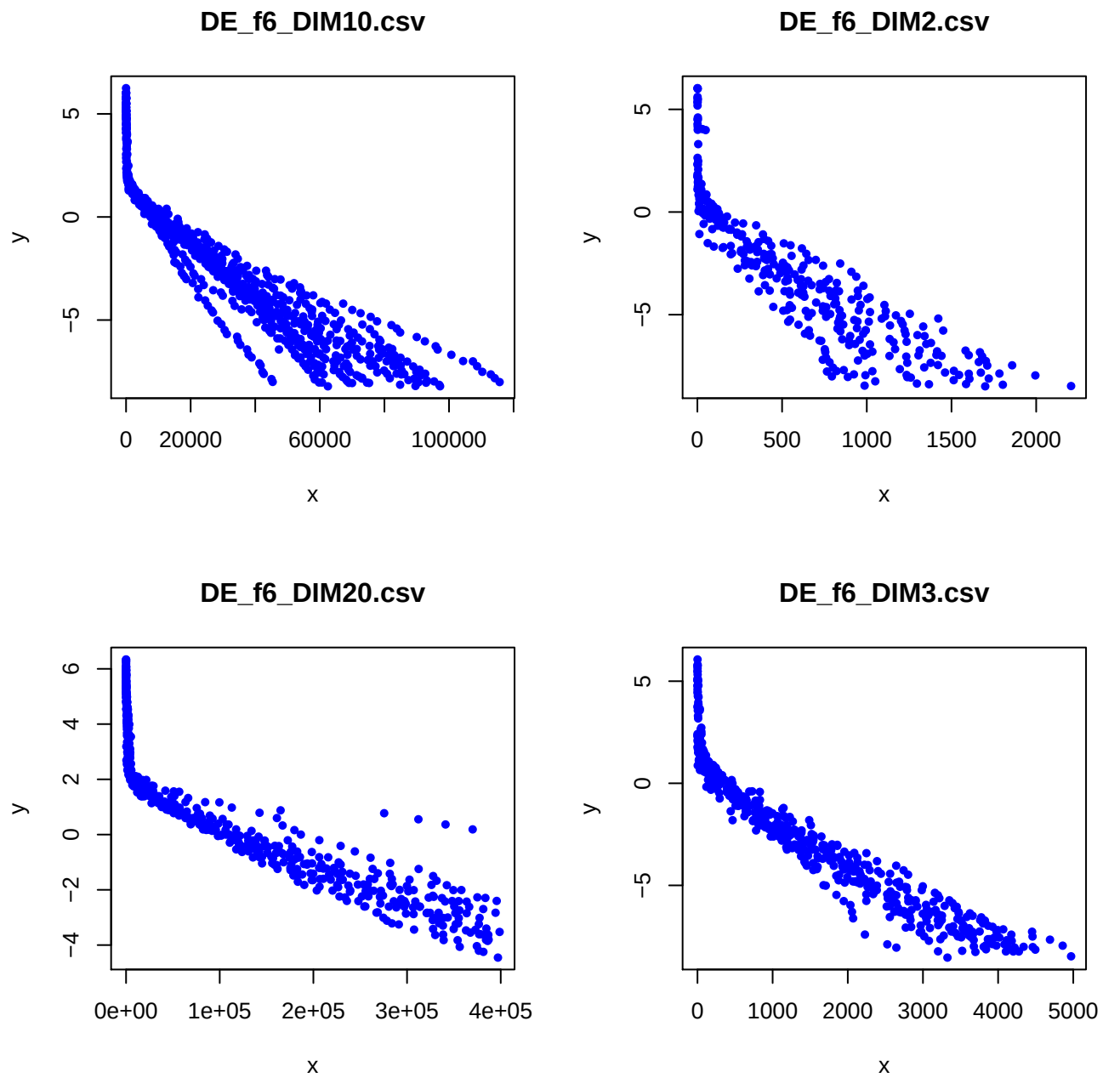
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x
DE_f6_DIM20.csv
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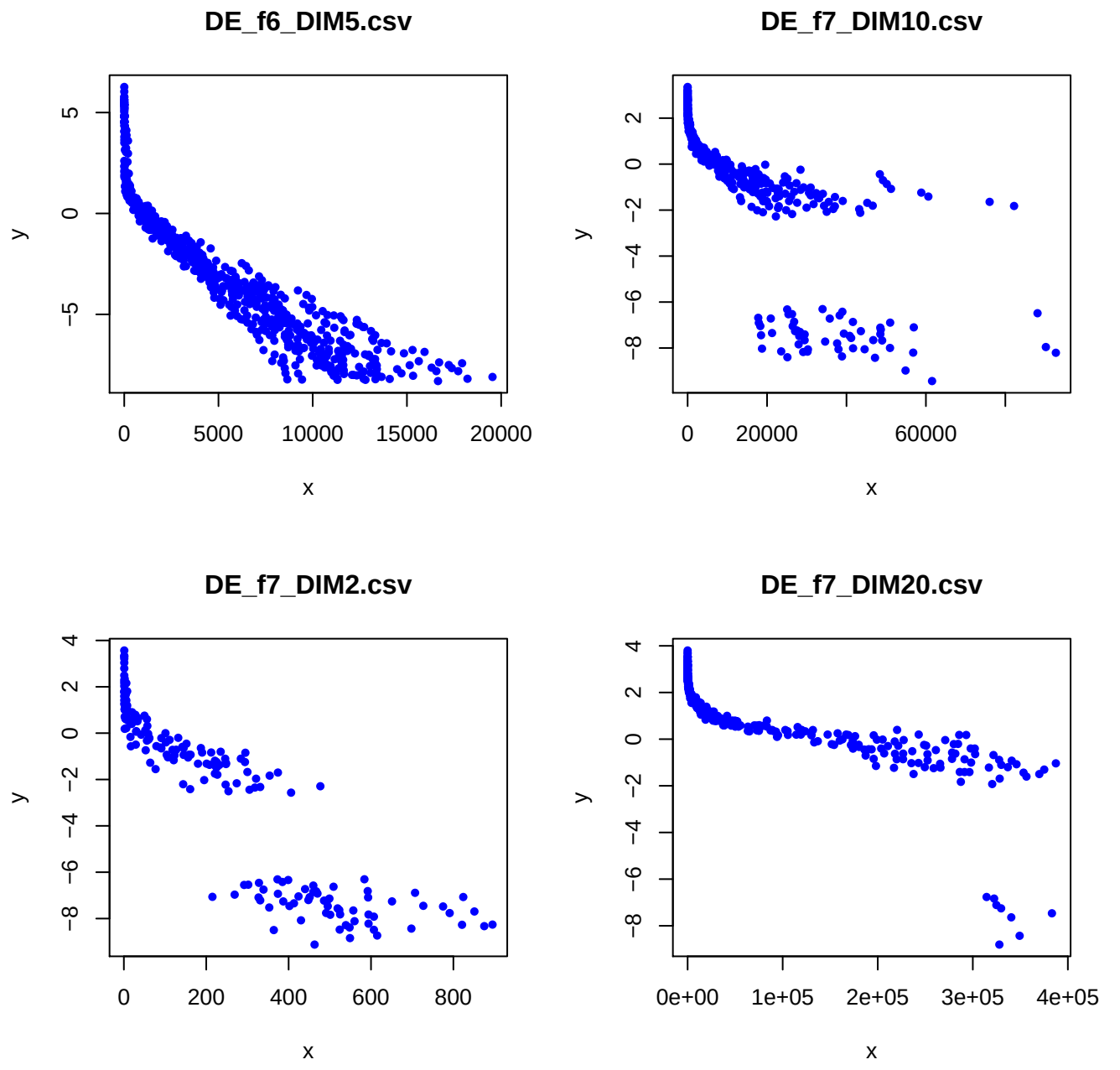
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DE_f7_DIM2.csv
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DE_f7_DIM20.csv
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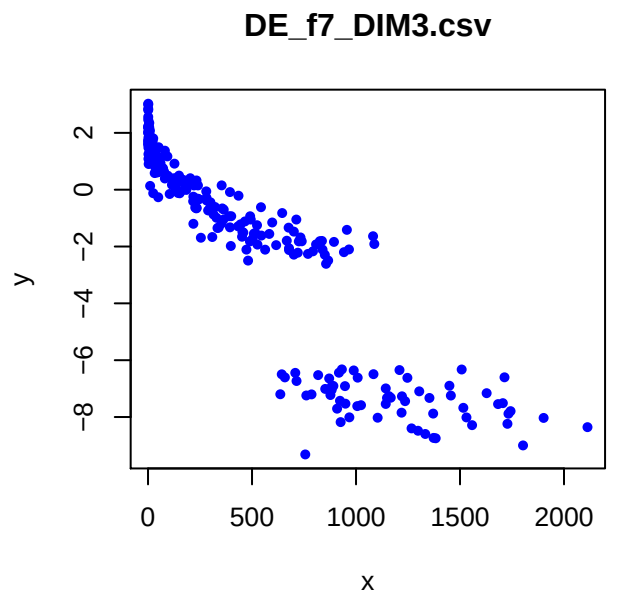
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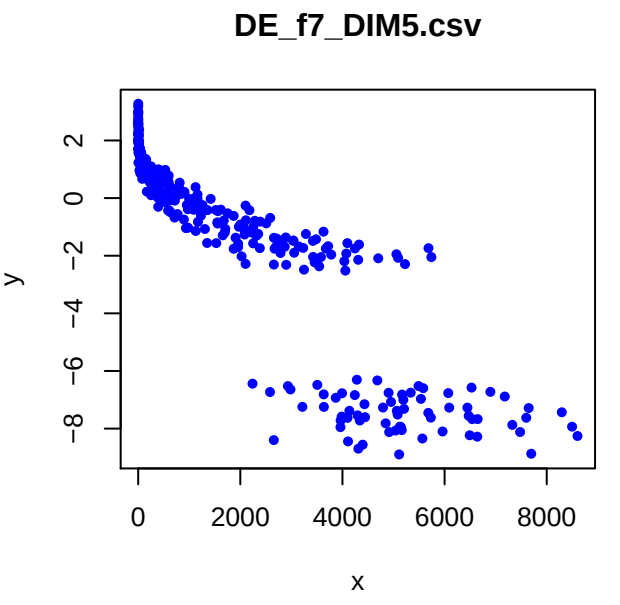
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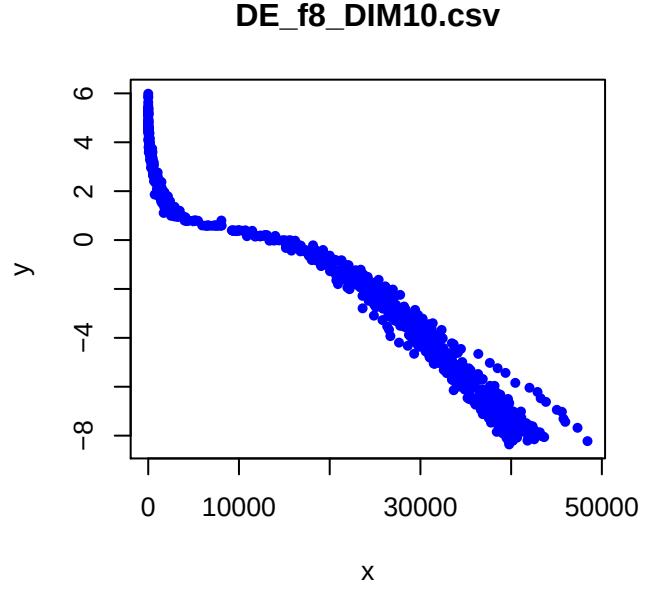
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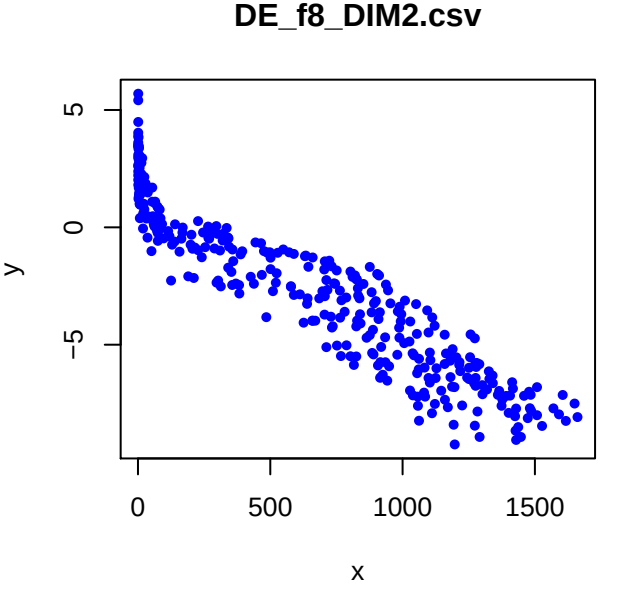
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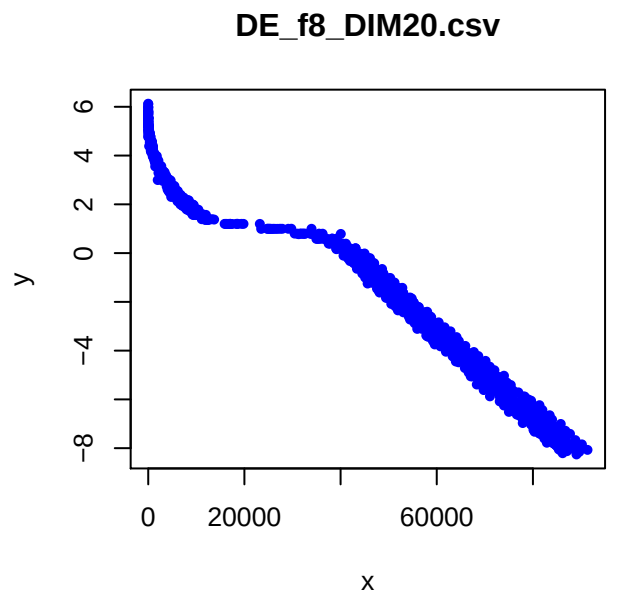
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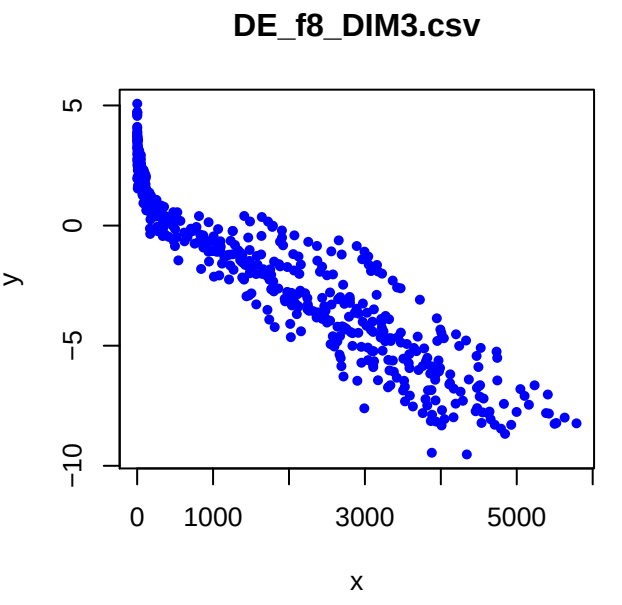
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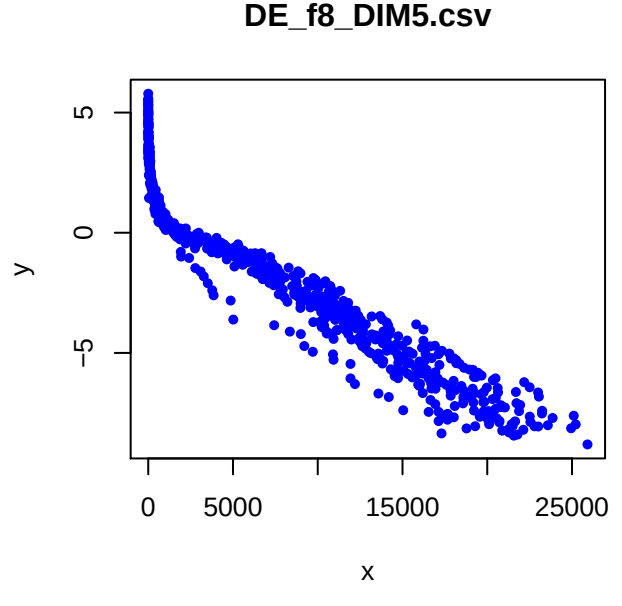
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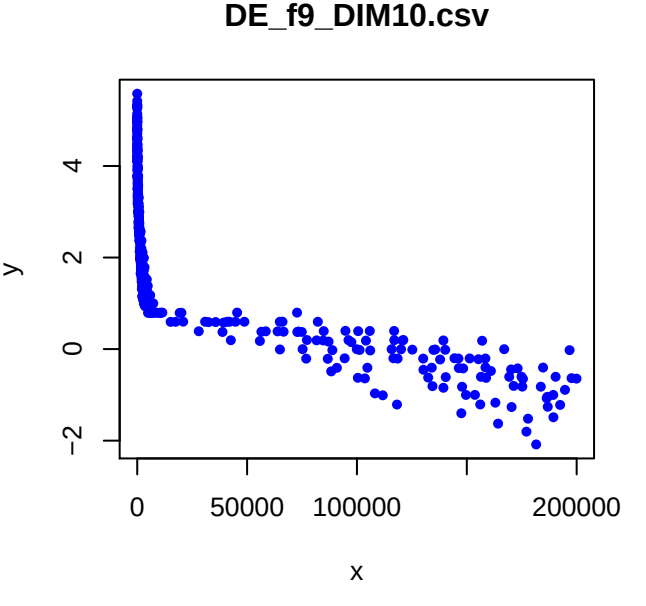
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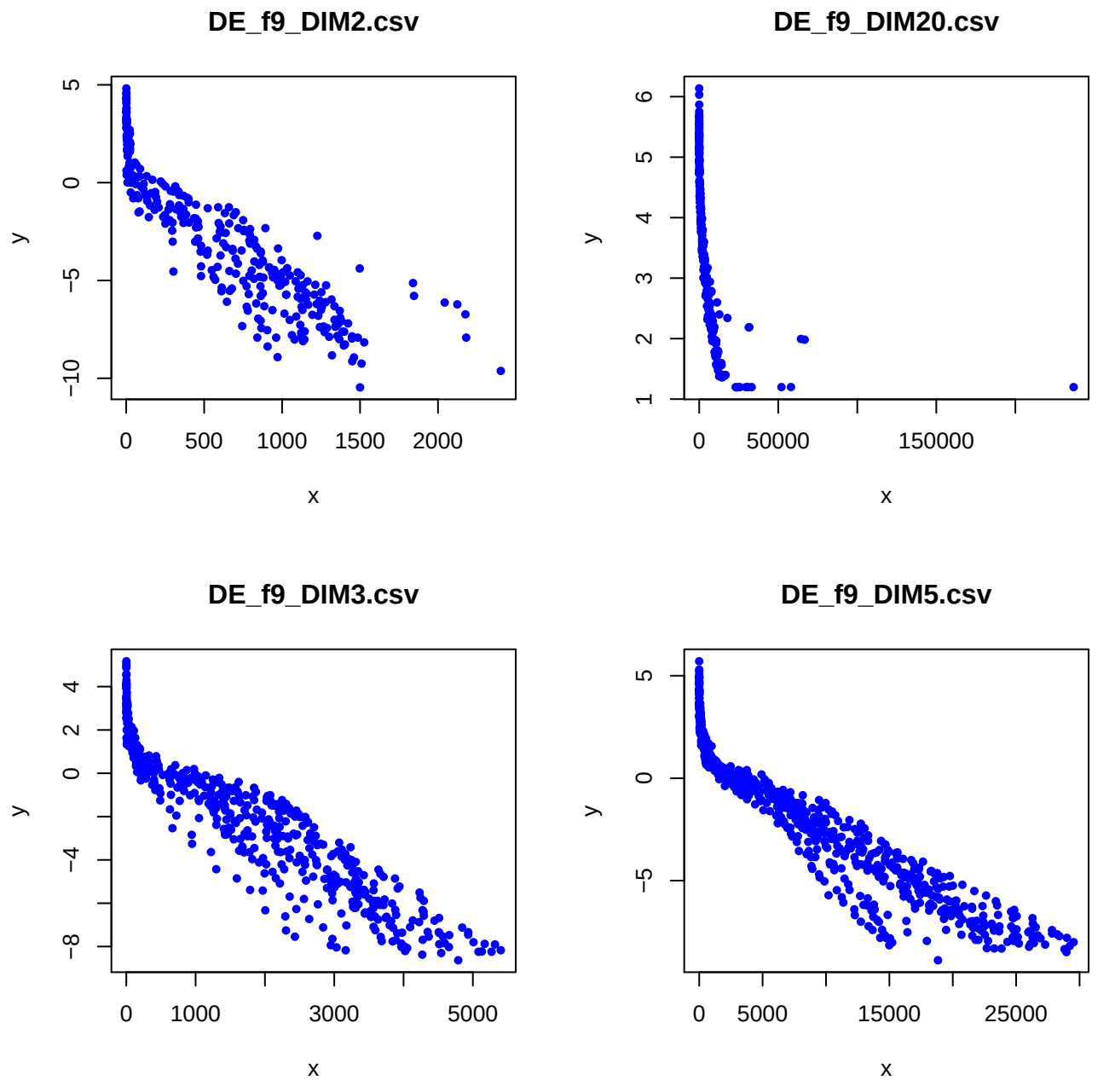
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DE_f9_DIM3.csv
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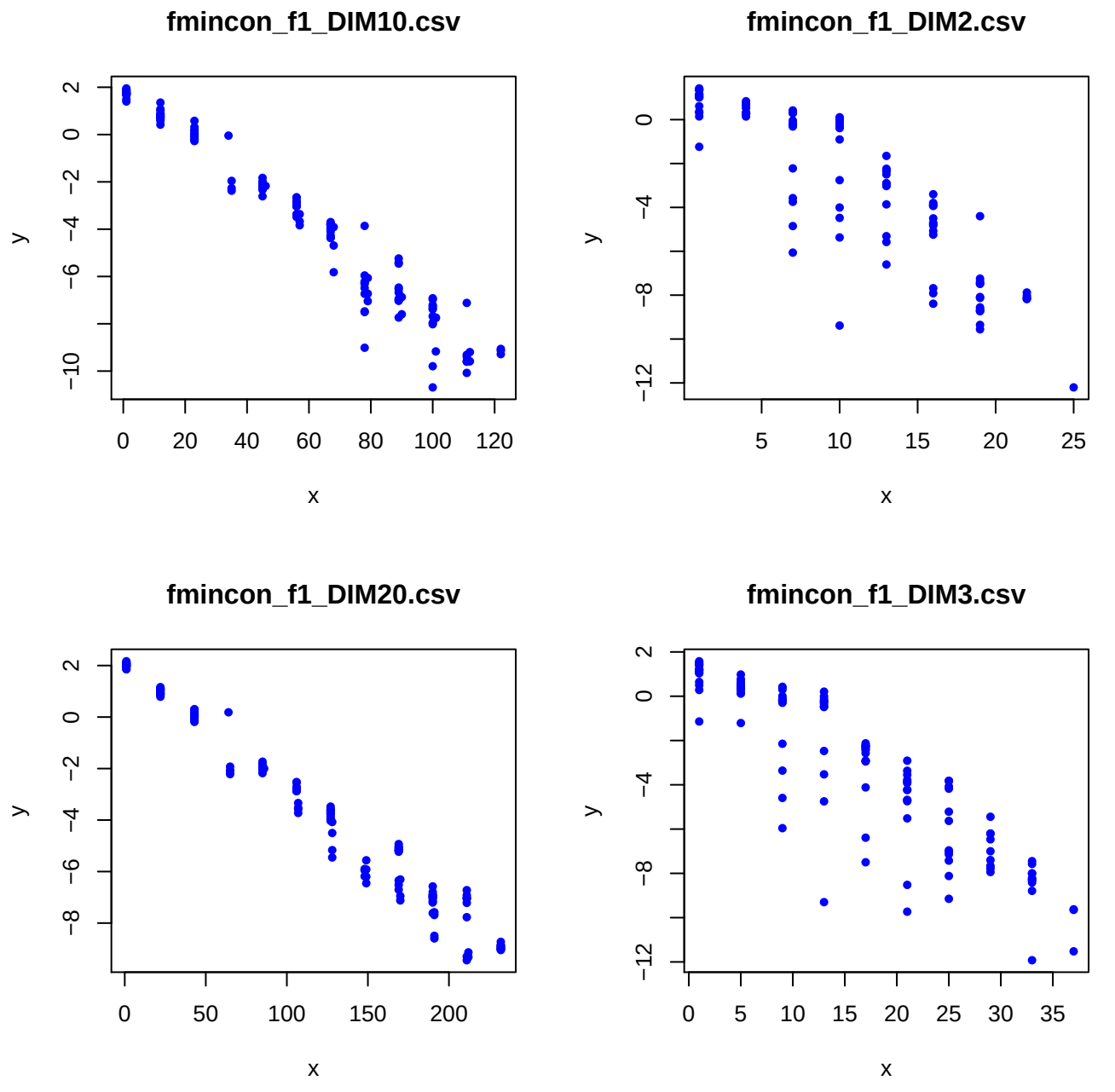
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fmincon_f1_DIM2.csv
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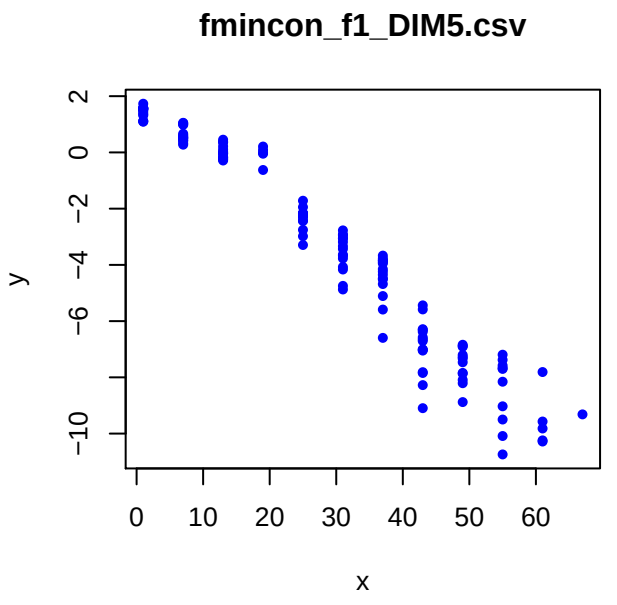
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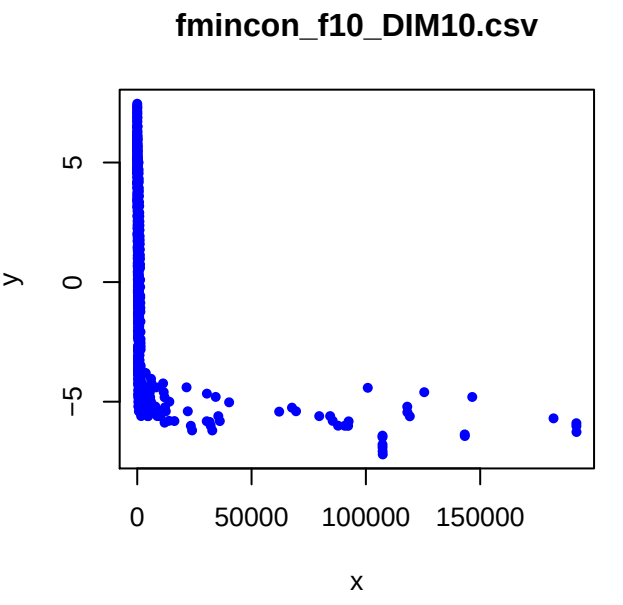
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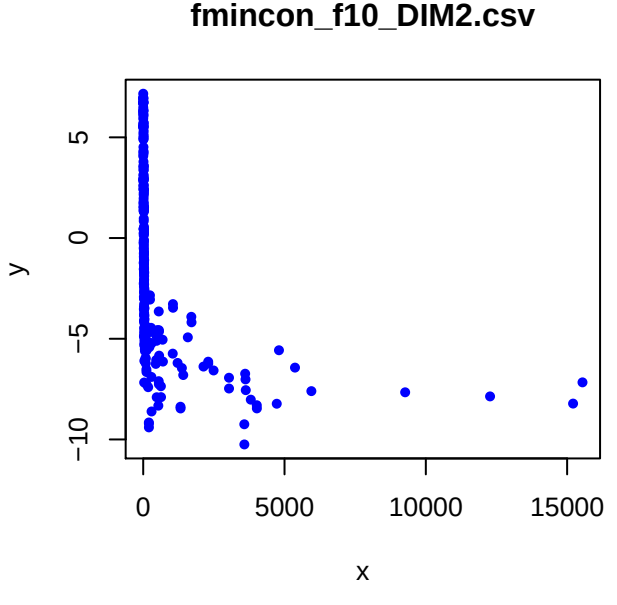
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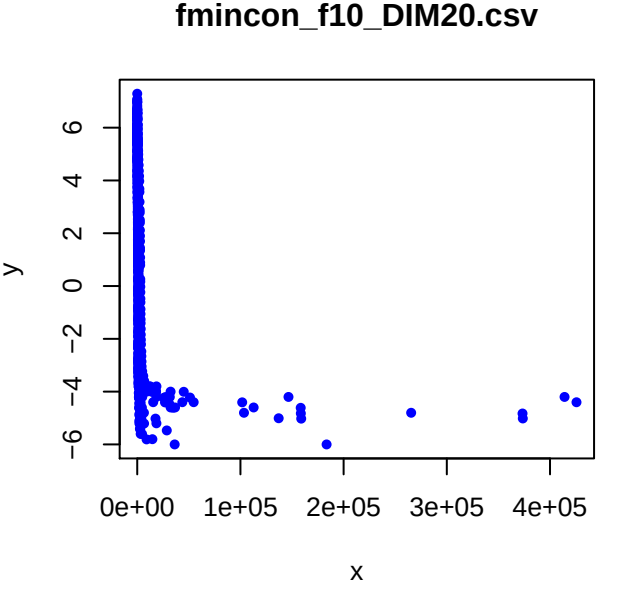
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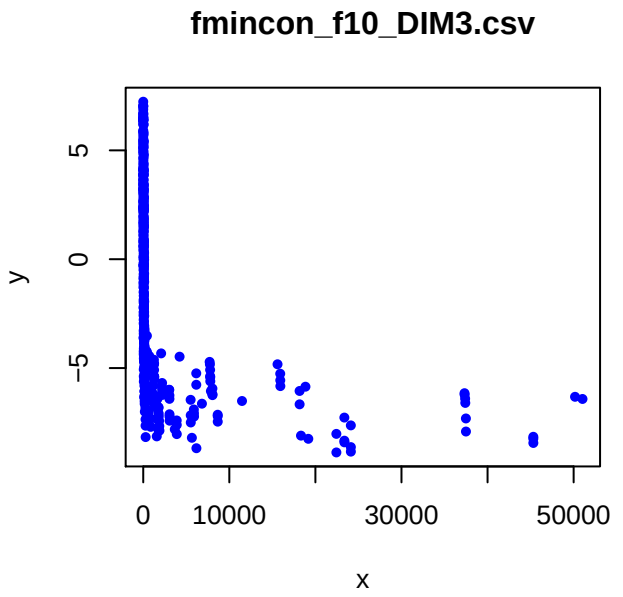
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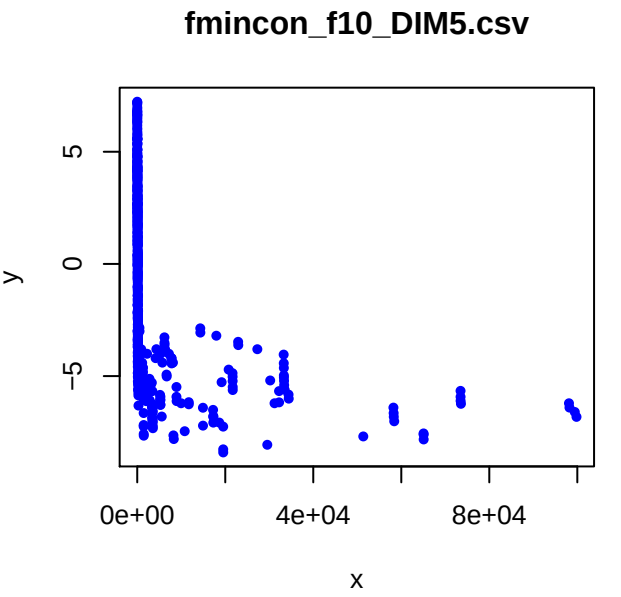
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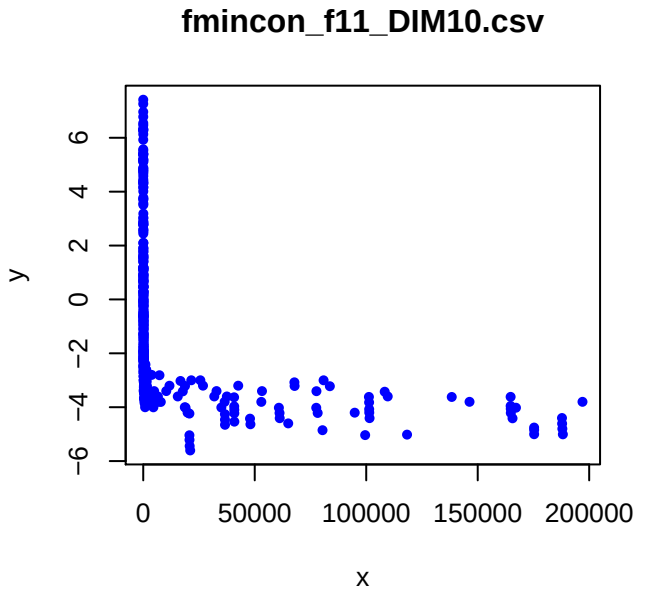
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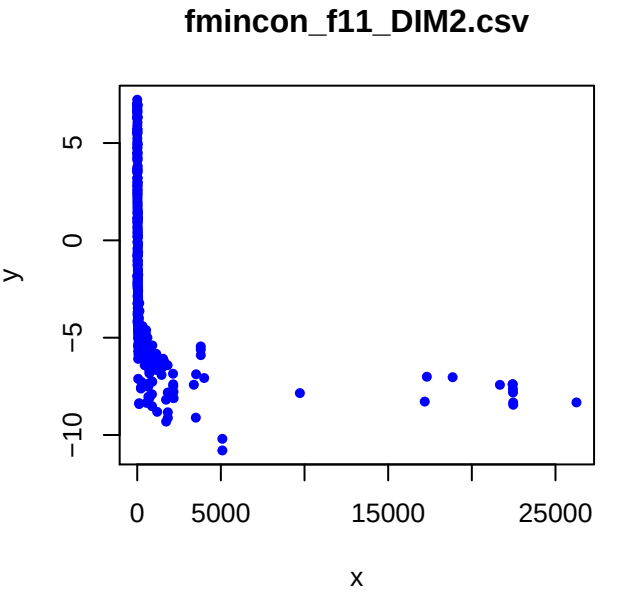
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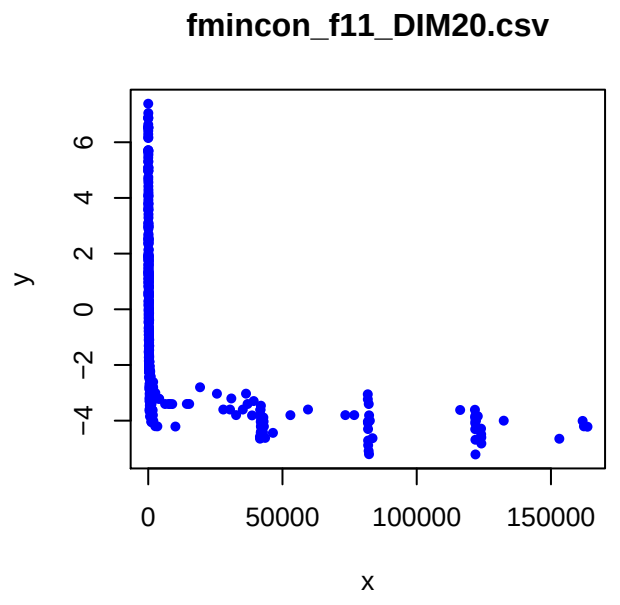
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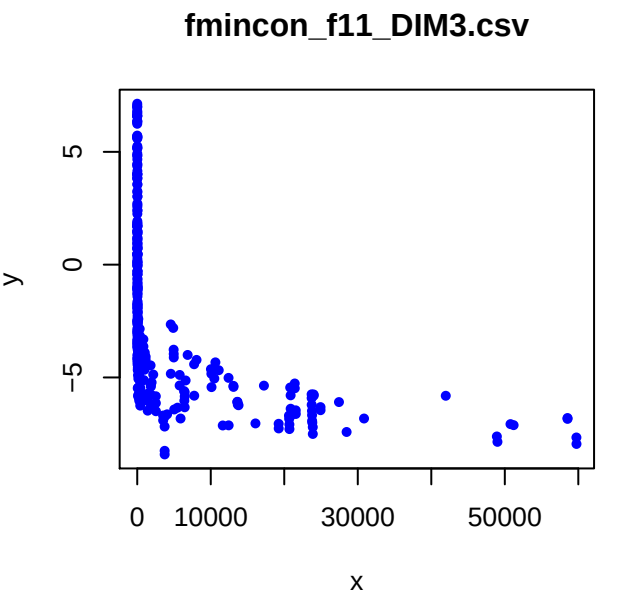
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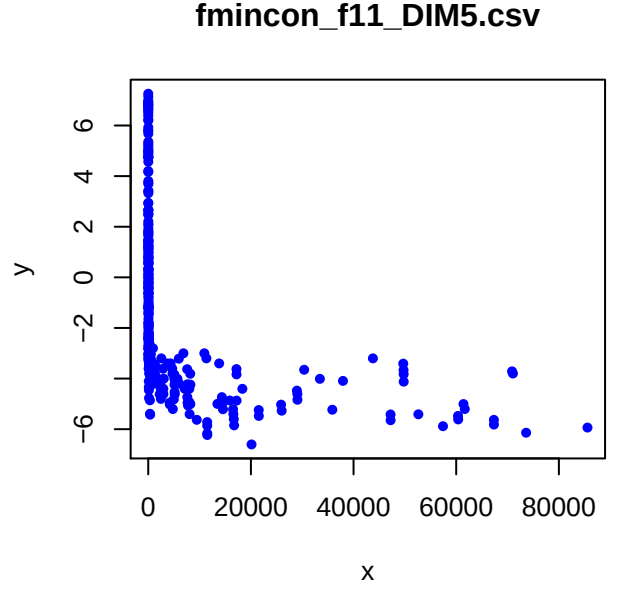
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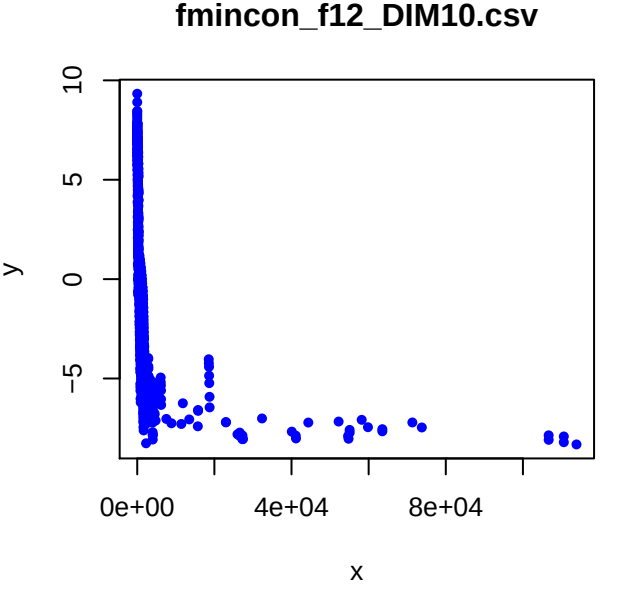
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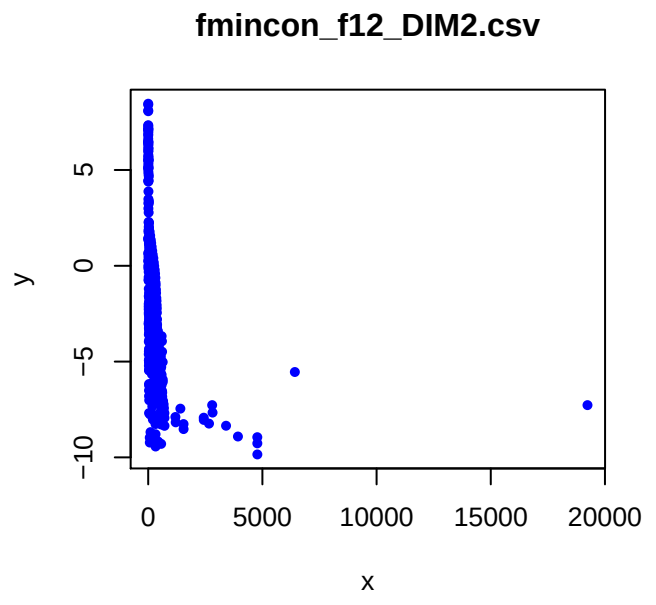
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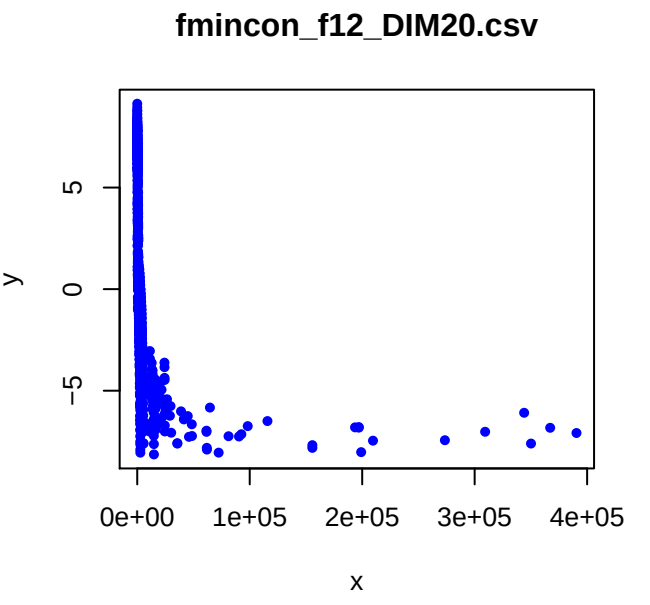
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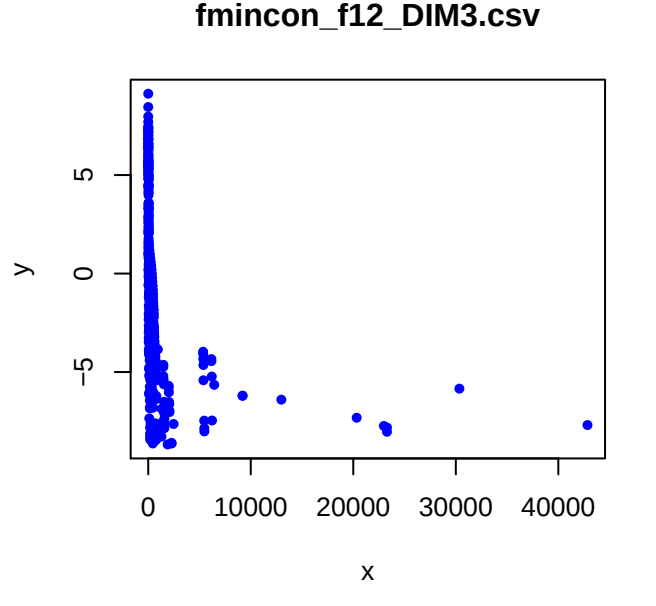
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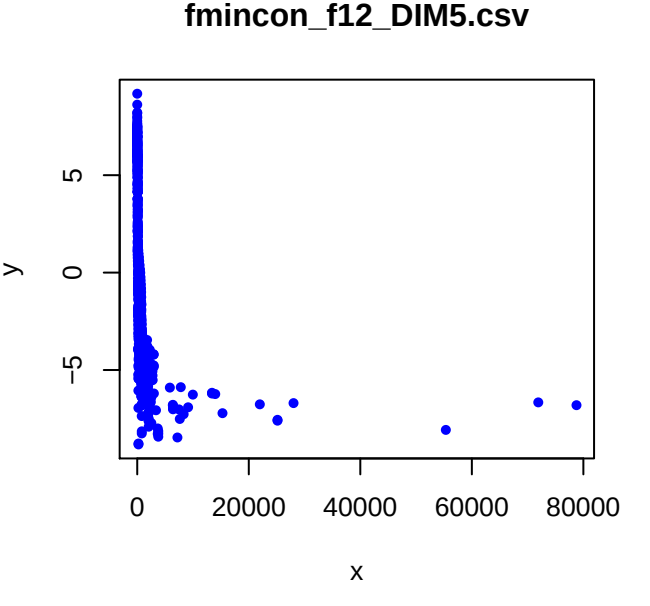
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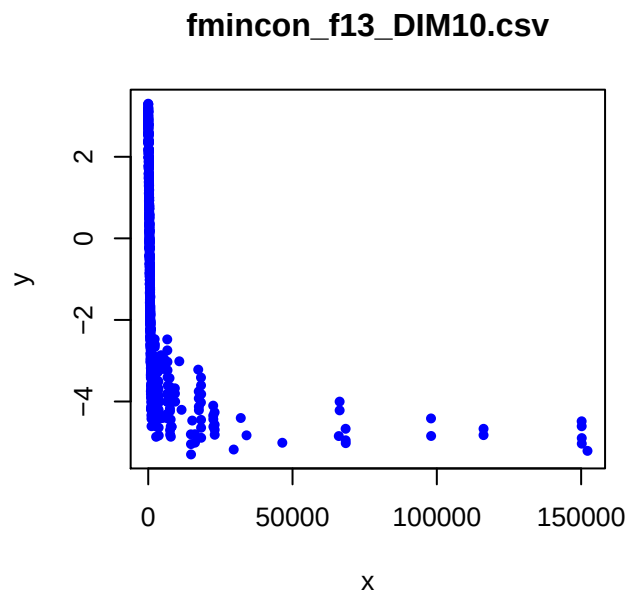
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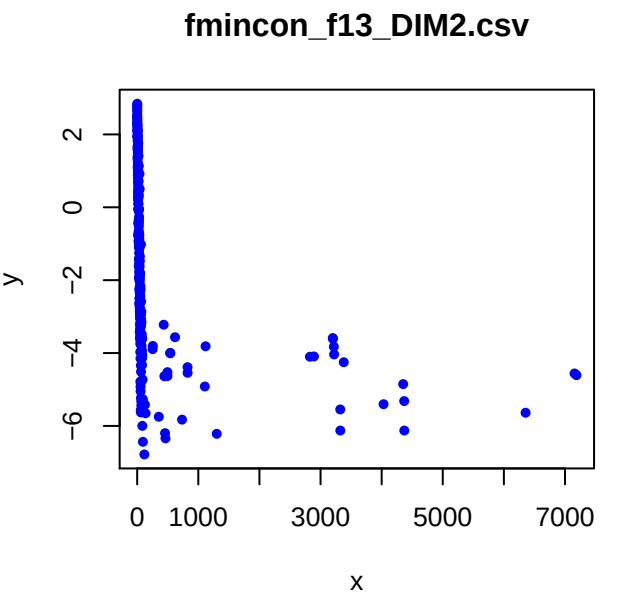
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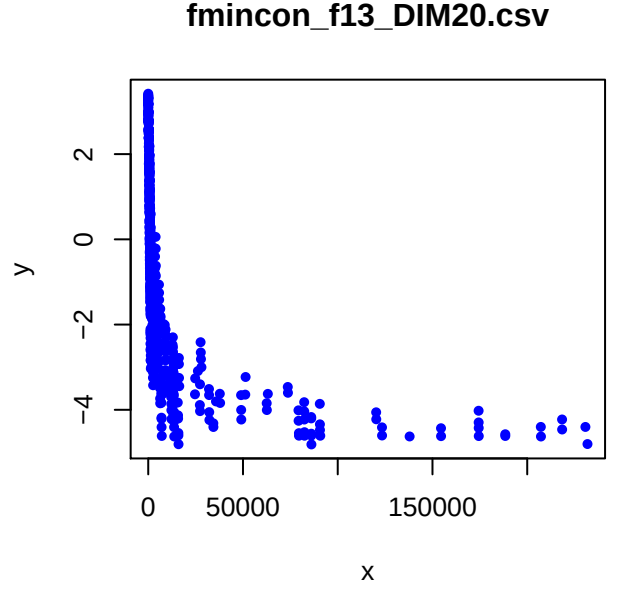
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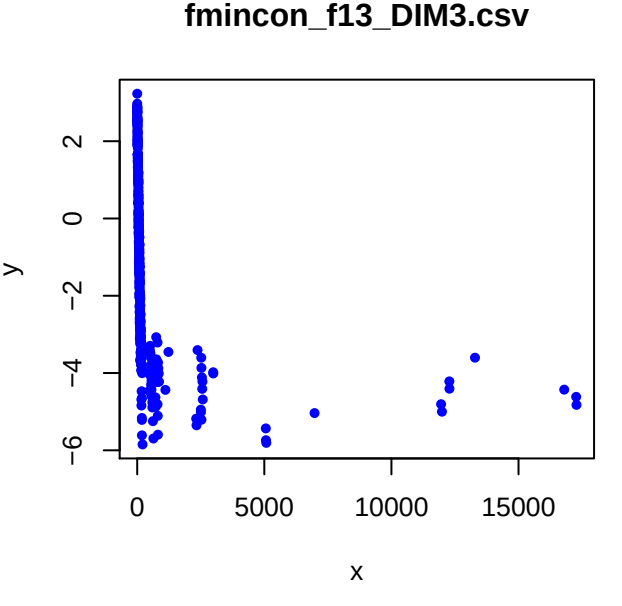
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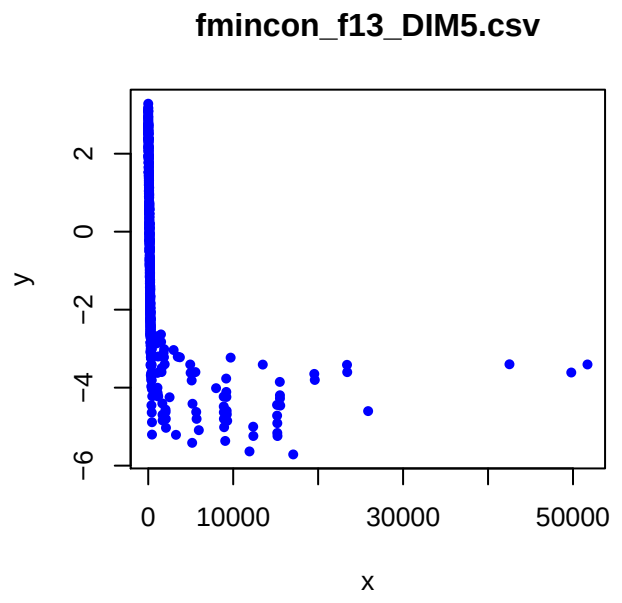
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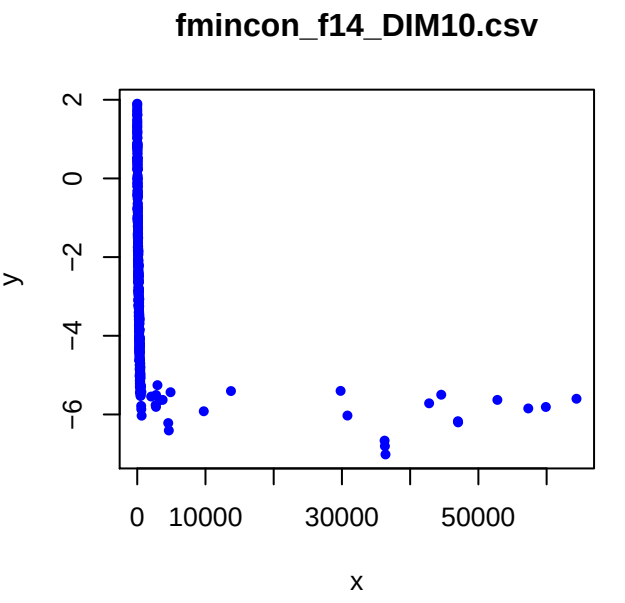
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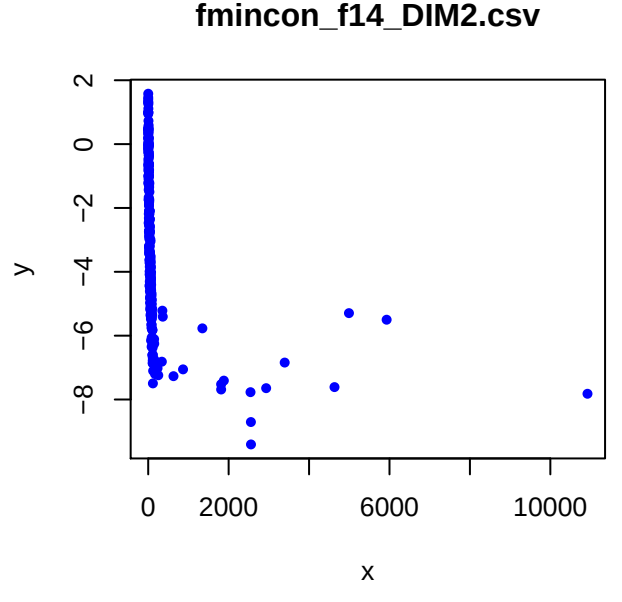
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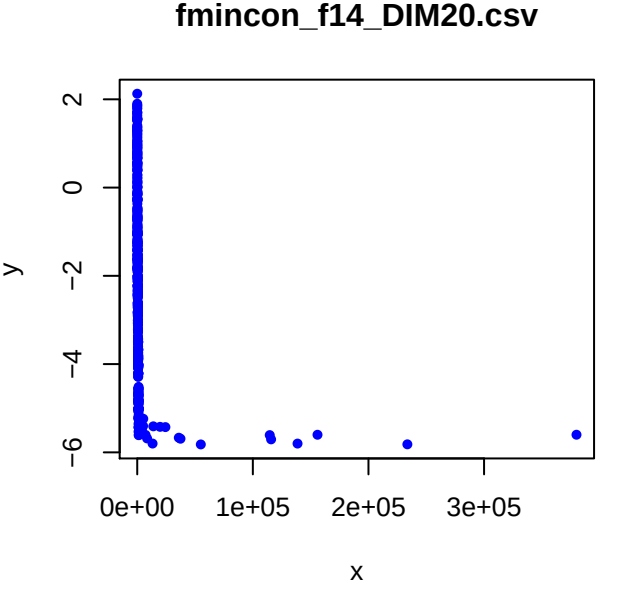
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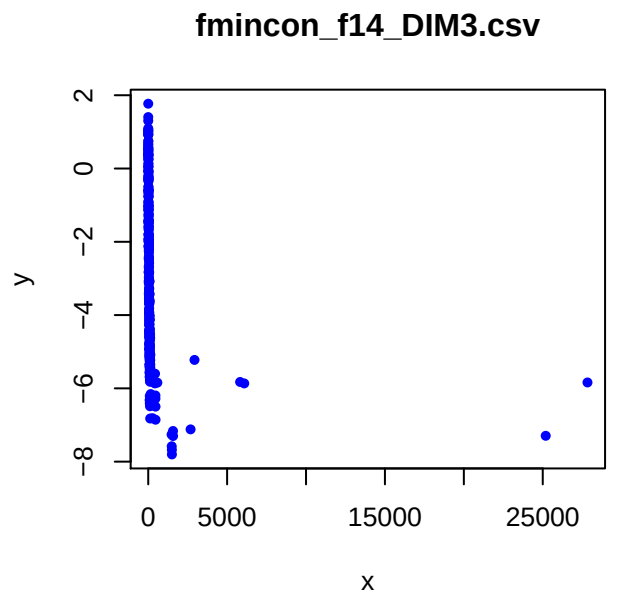
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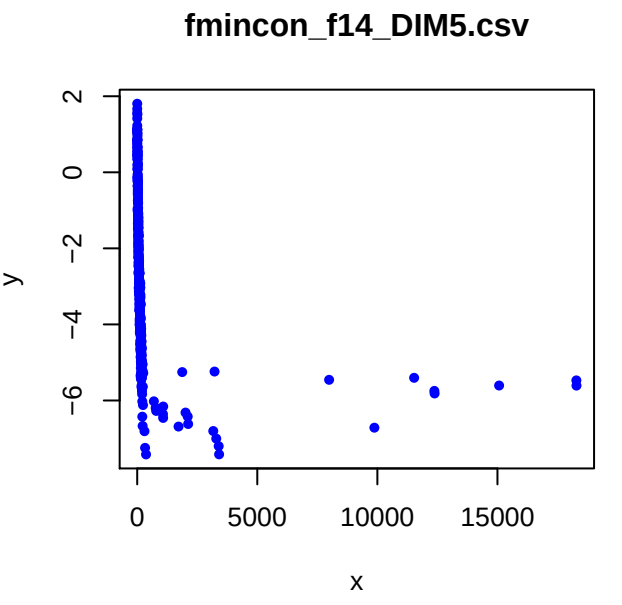
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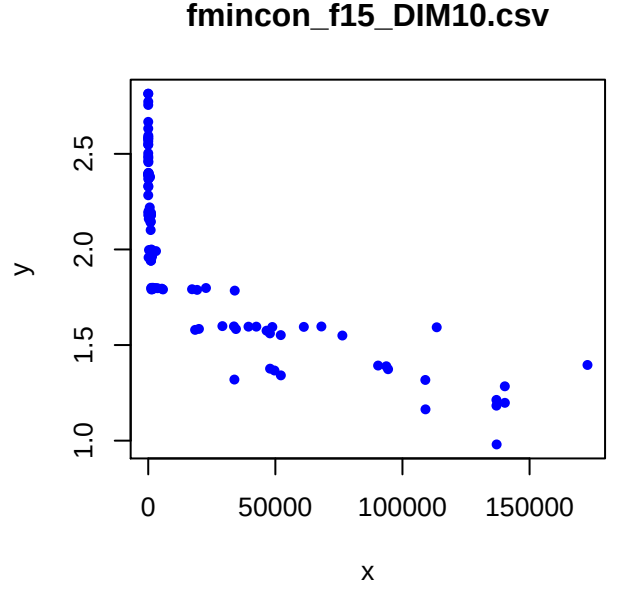
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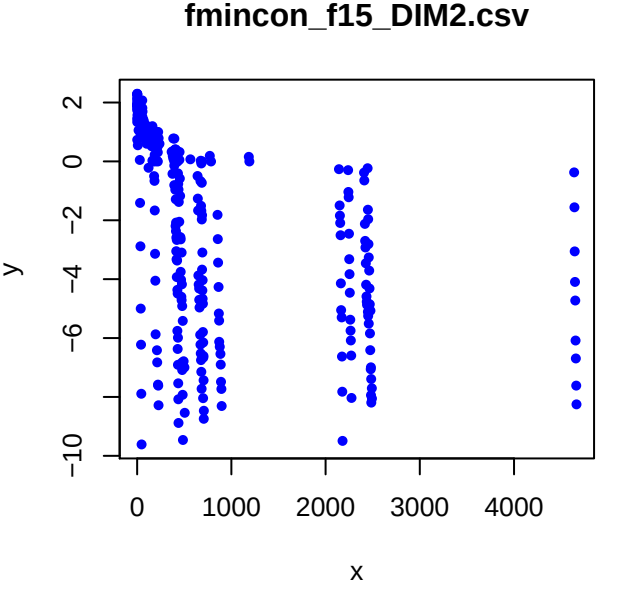
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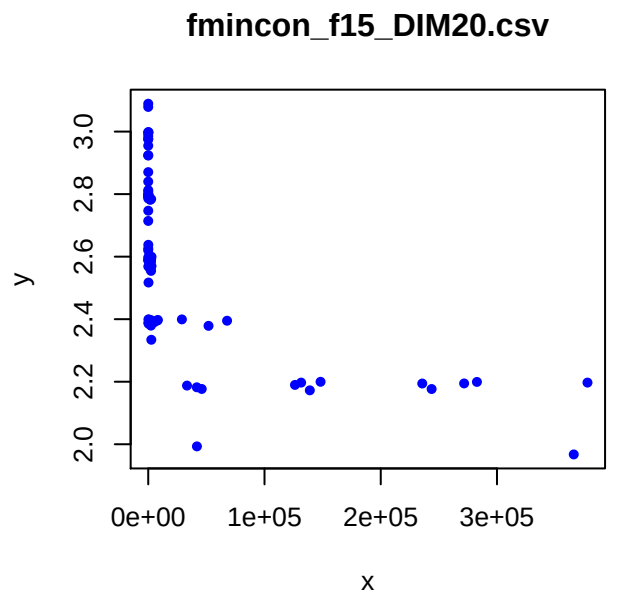
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2.8
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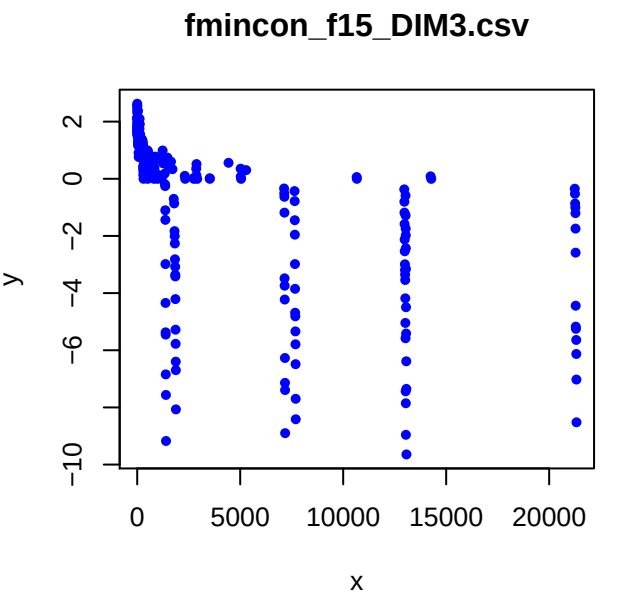
x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15000
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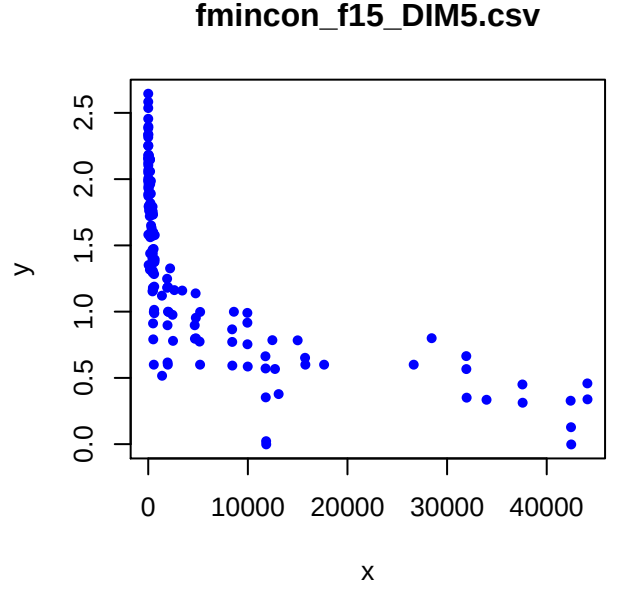
x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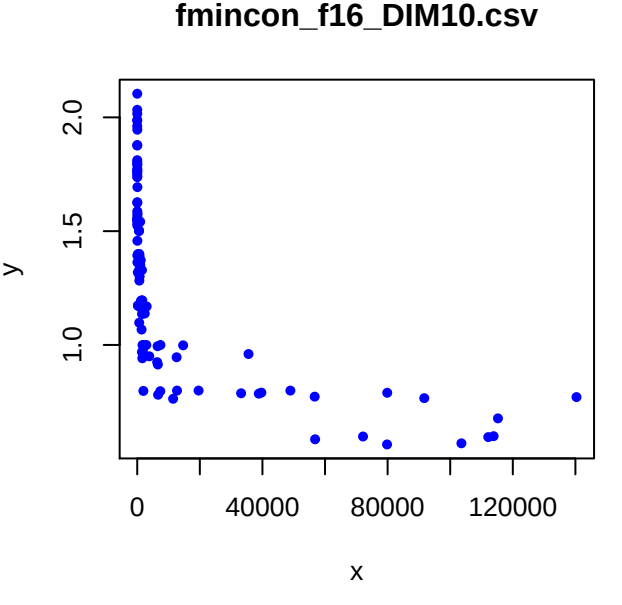
x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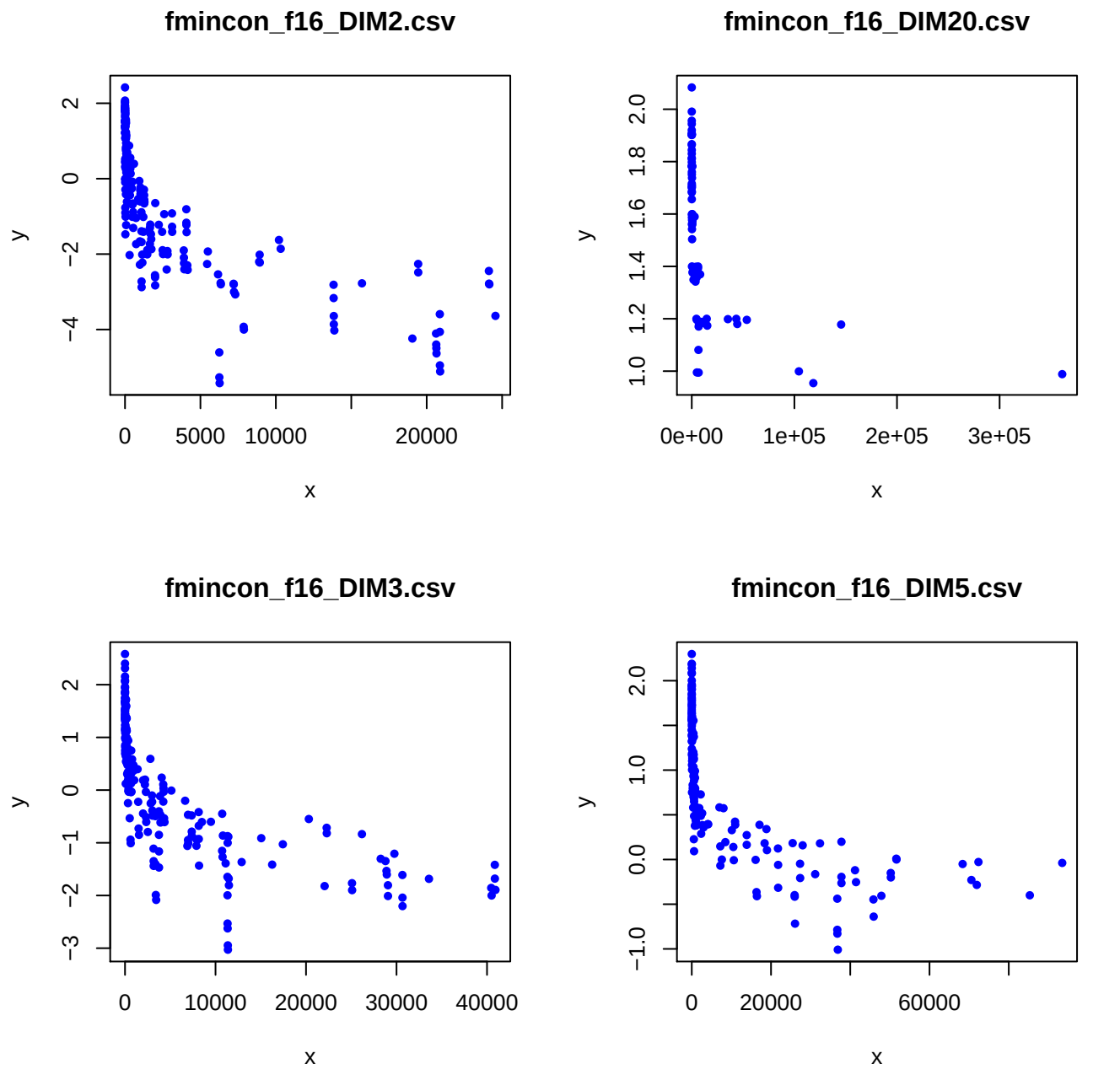
fmincon_f16_DIM2.csv
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x
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0
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fmincon_f16_DIM20.csv
y
x
2.0
1.8
1.6
1.4
1.2
1.0
0e+00
1e+05
2e+05
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fmincon_f16_DIM3.csv
y
x
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1
0
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−2
−3
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10000
20000
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x
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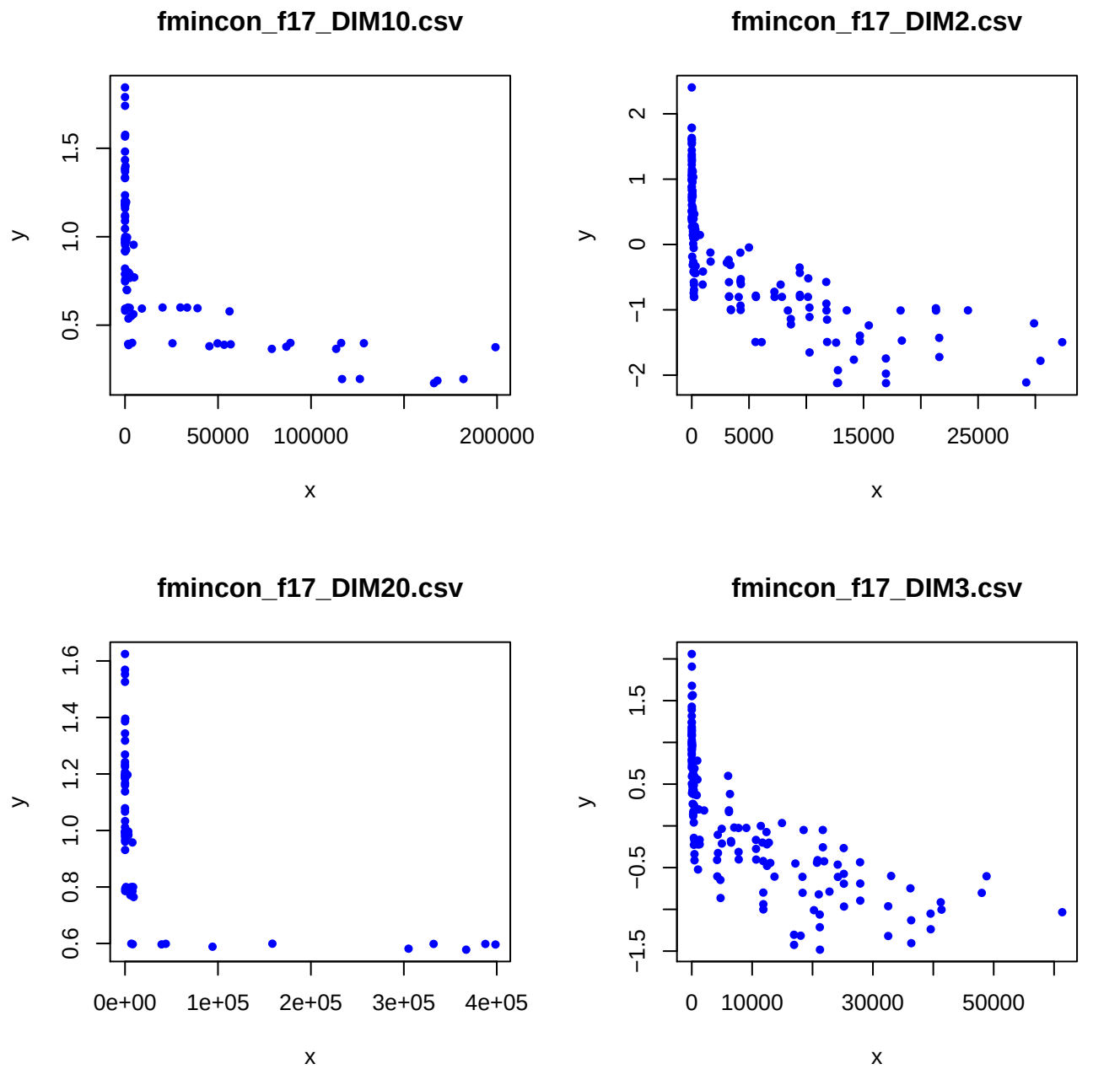
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x
fmincon_f17_DIM2.csv
y
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0
1
2
0
5000
15000
25000
x
fmincon_f17_DIM20.csv
y
0.6
0.8
1.0
1.2
1.4
1.6
0e+00
1e+05
2e+05
3e+05
4e+05
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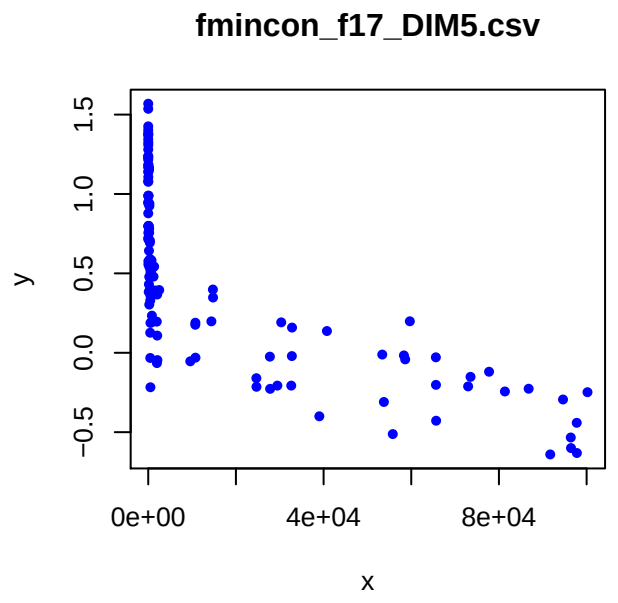
1.5
0
10000
30000
50000
x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x
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1.0
0.5
0.0
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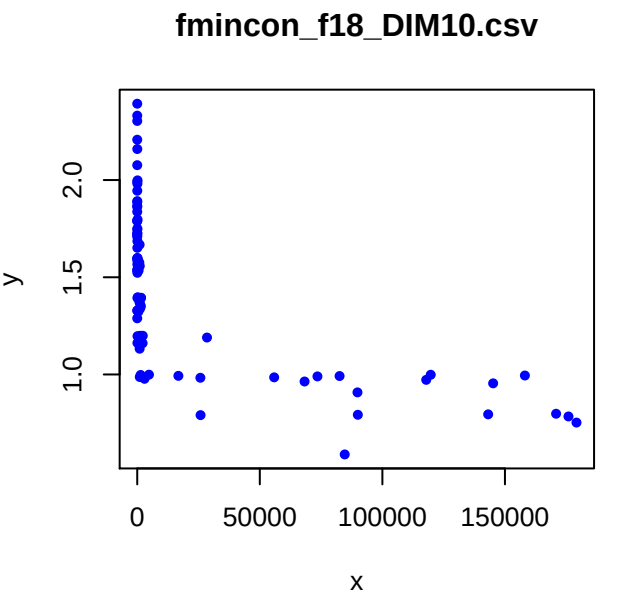
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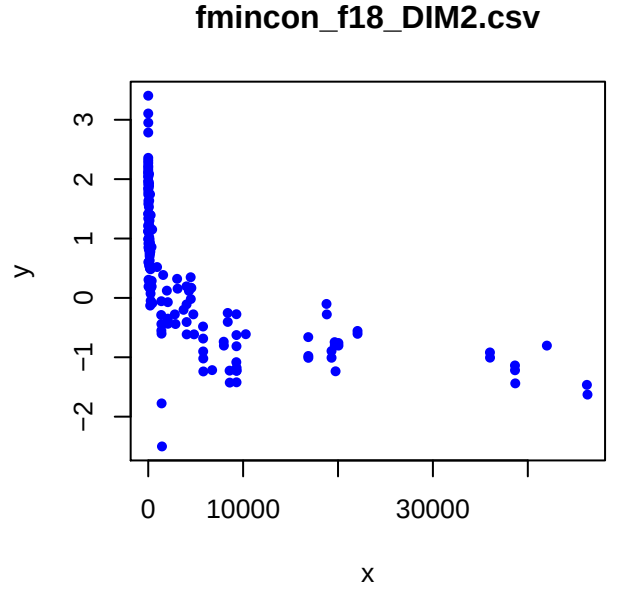
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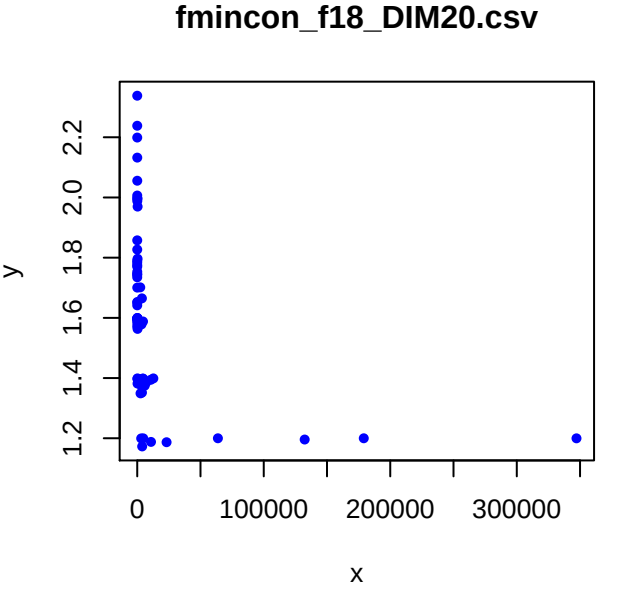
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x
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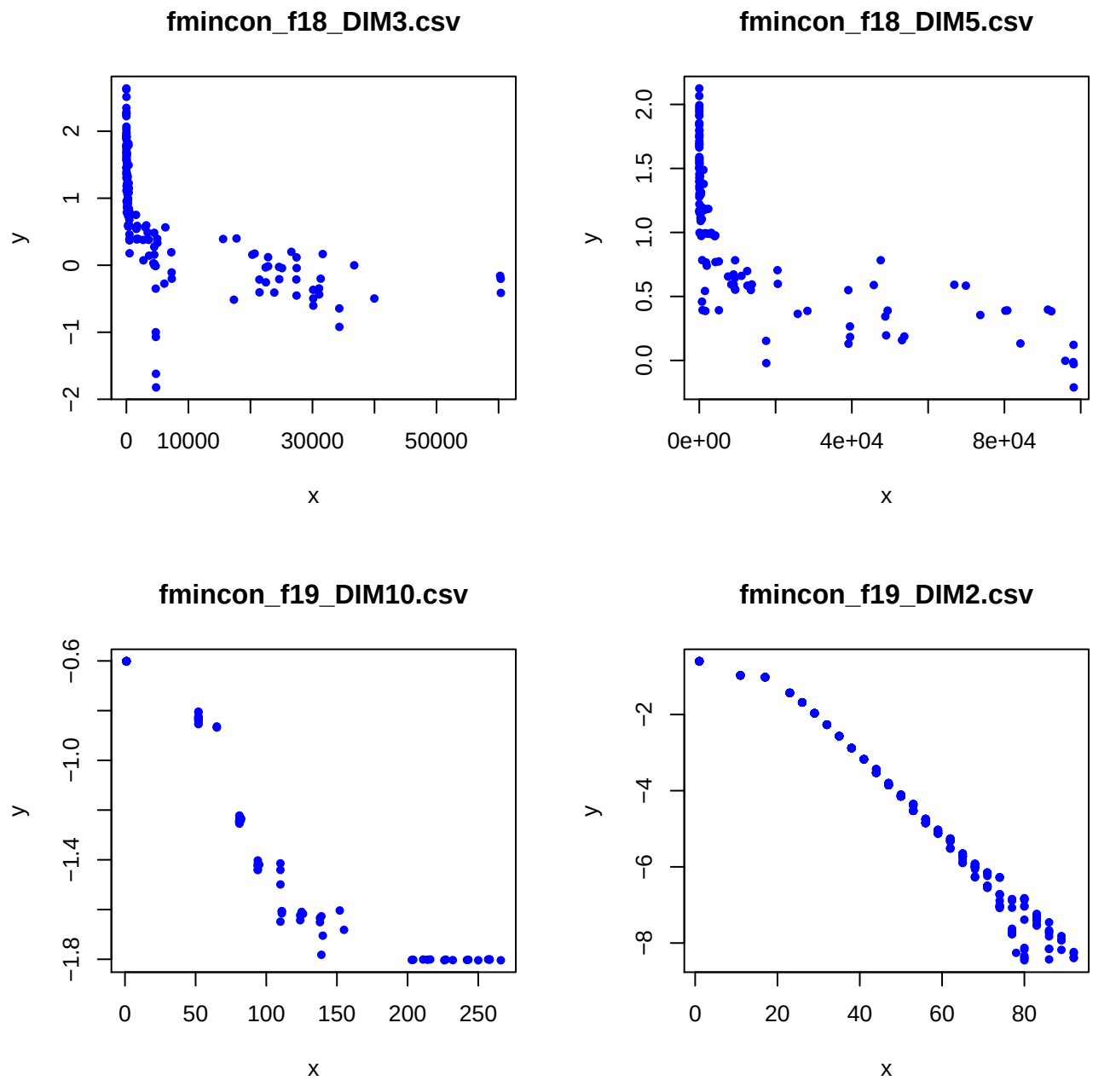
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fmincon_f18_DIM5.csv
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1.0
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0.0
0e+00
4e+04
8e+04
fmincon_f19_DIM10.csv
y
x
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−1.4
−1.8
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50
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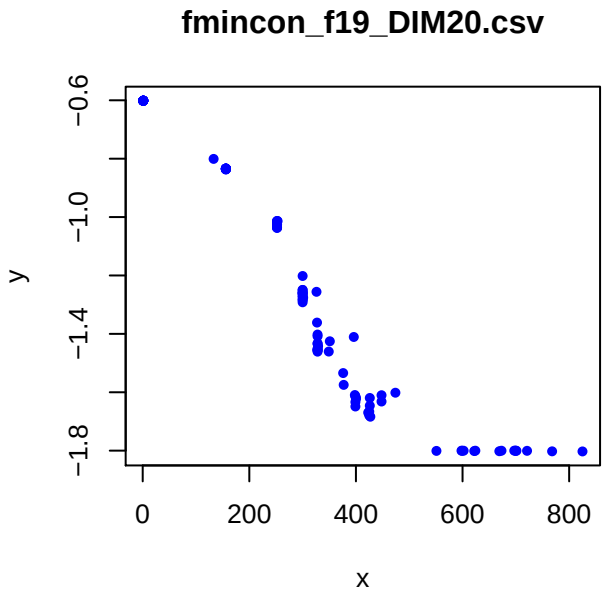
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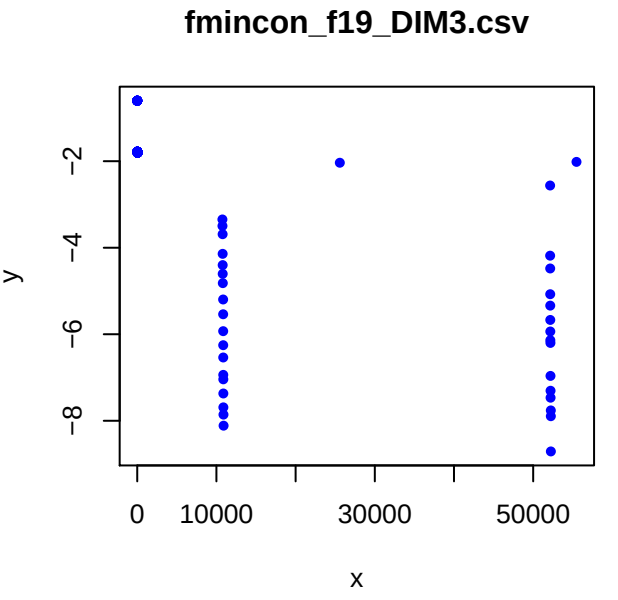
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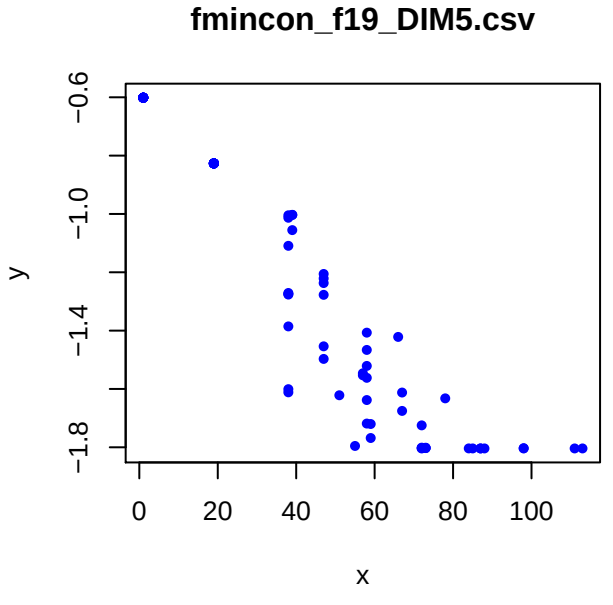
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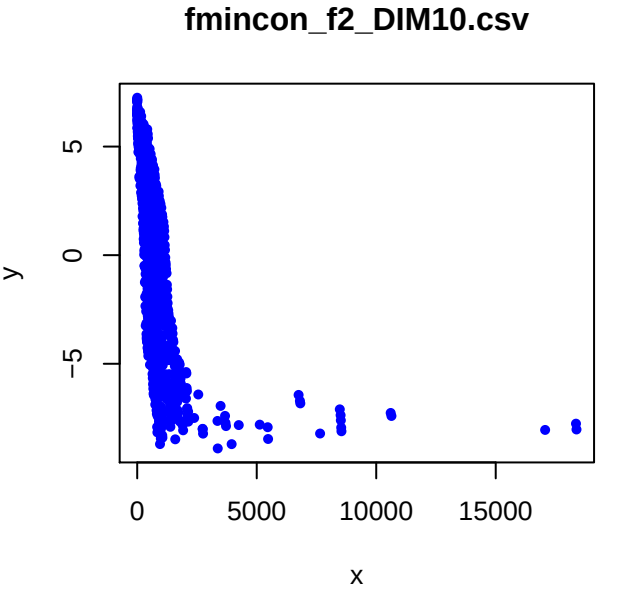
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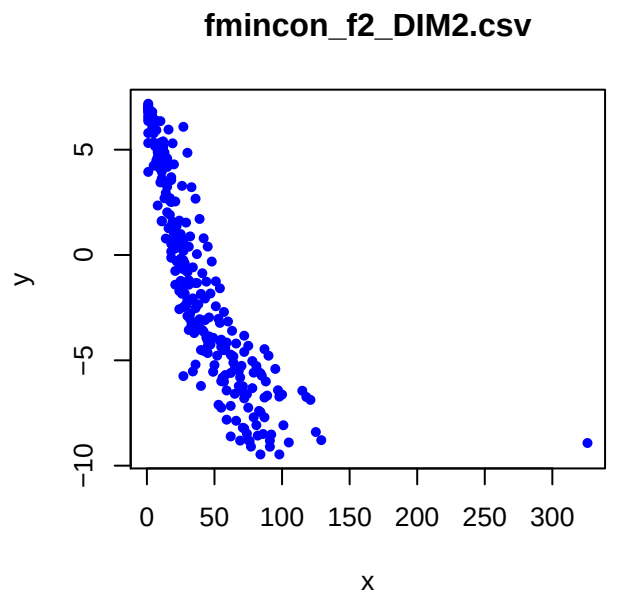
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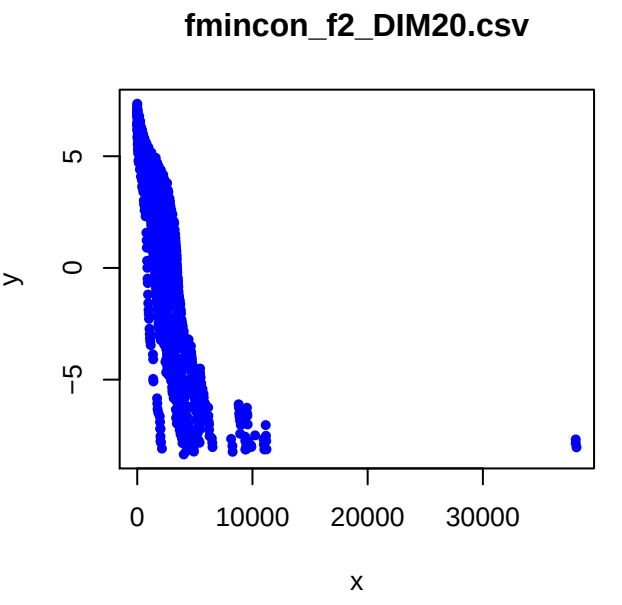
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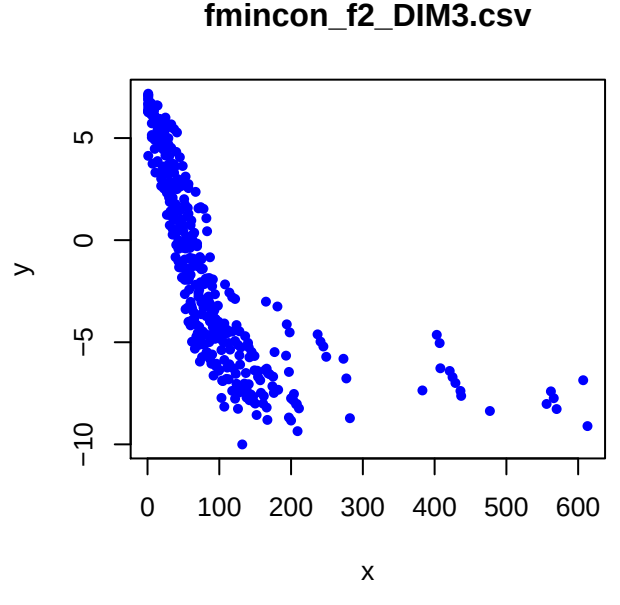
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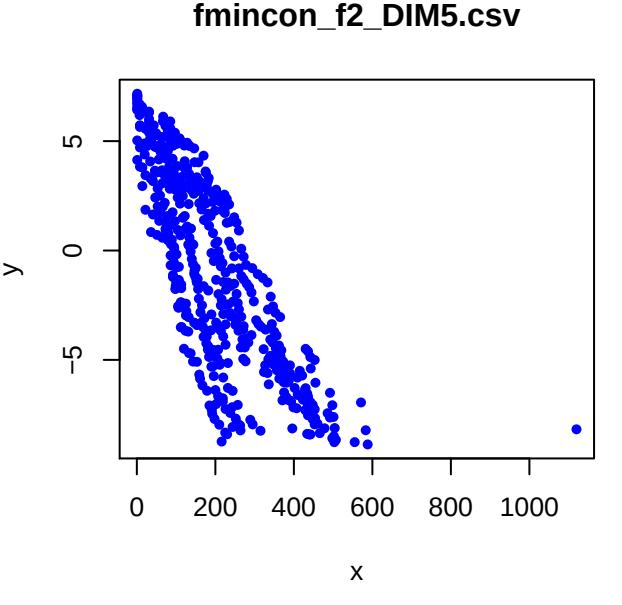
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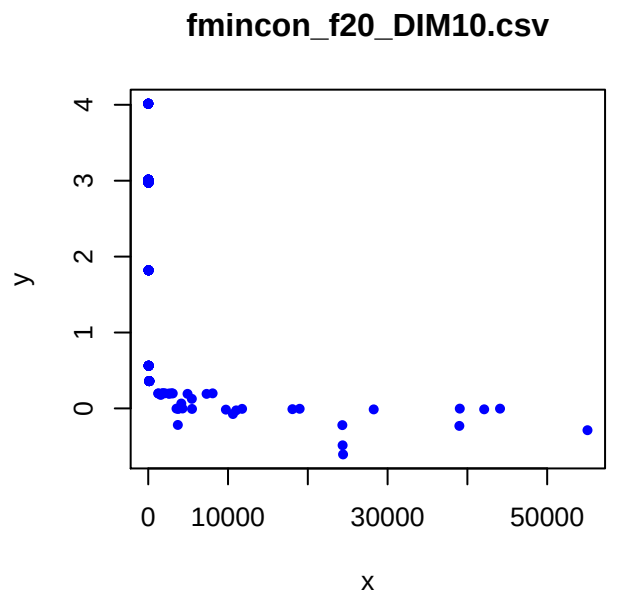
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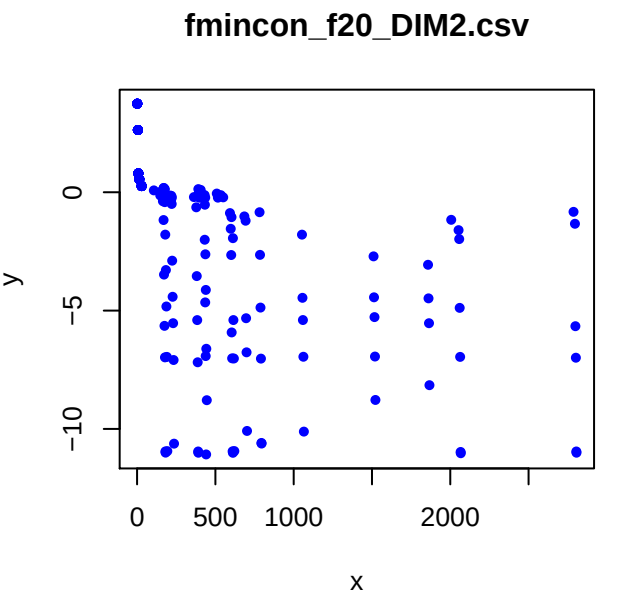
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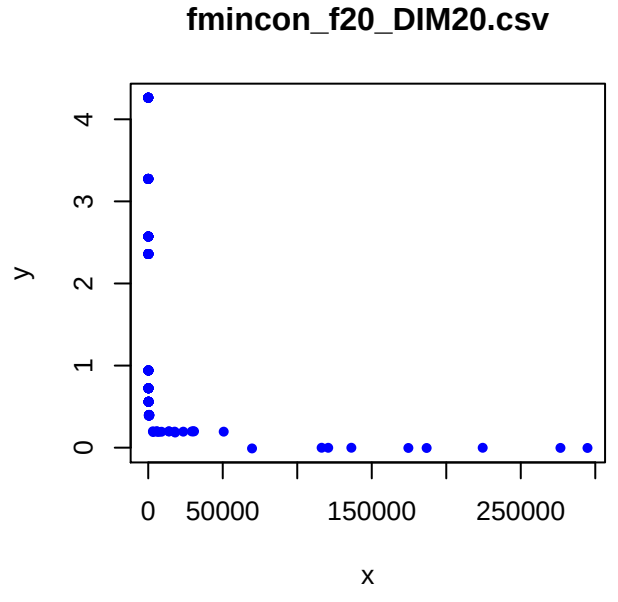
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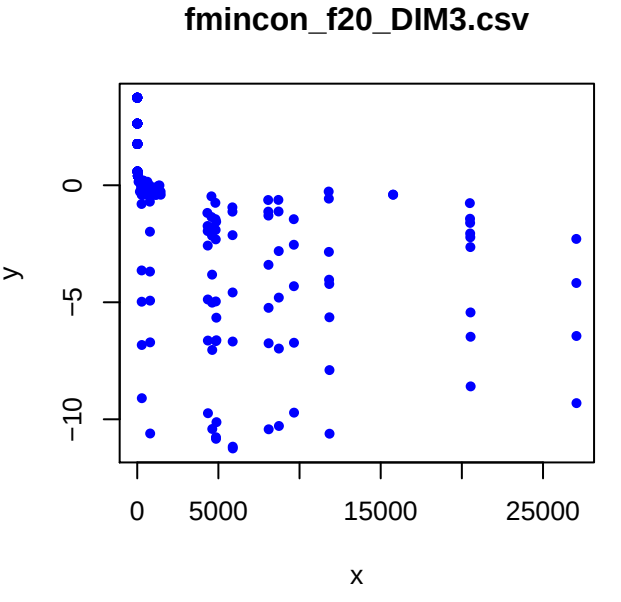
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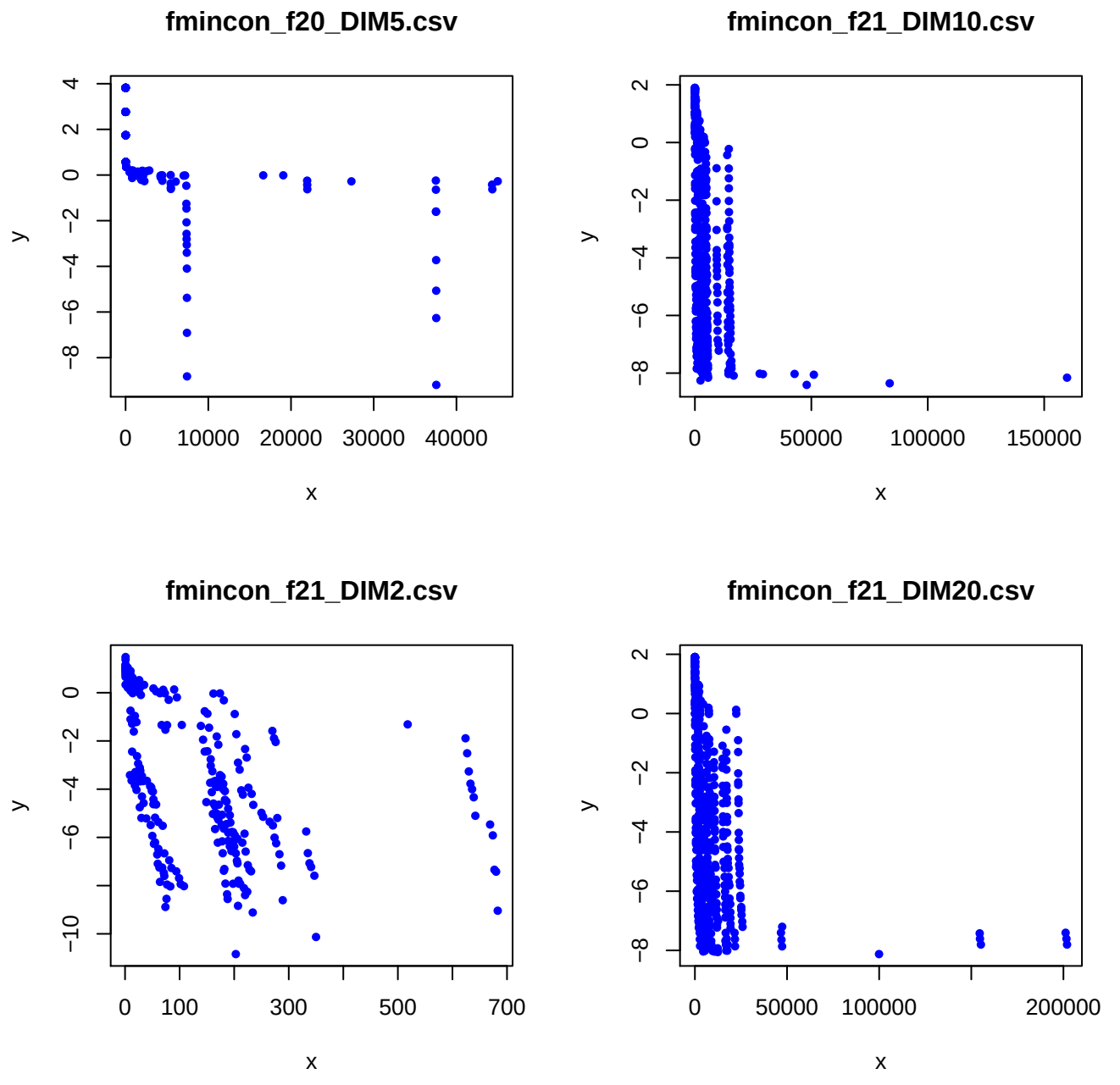
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fmincon_f21_DIM10.csv
y
x
2
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fmincon_f21_DIM2.csv
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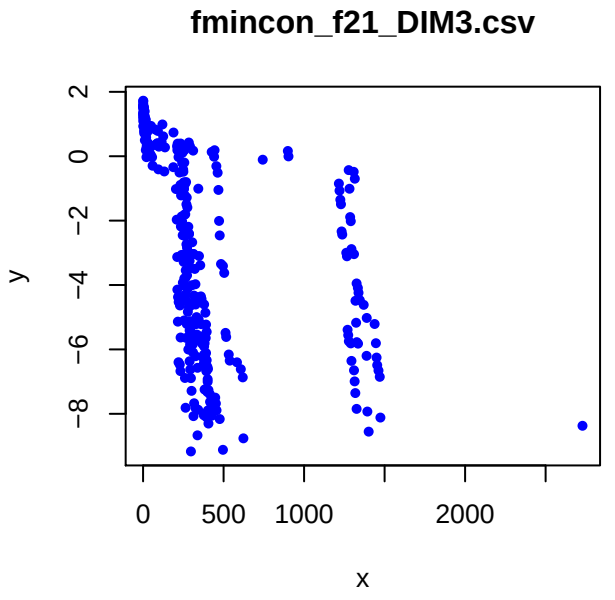
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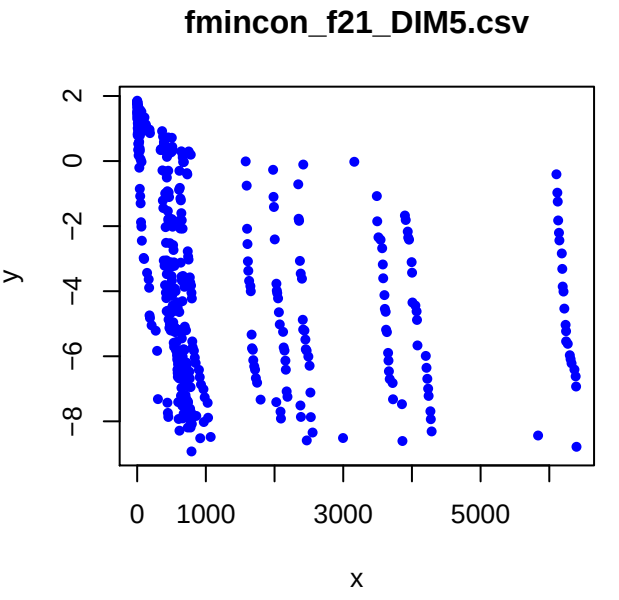
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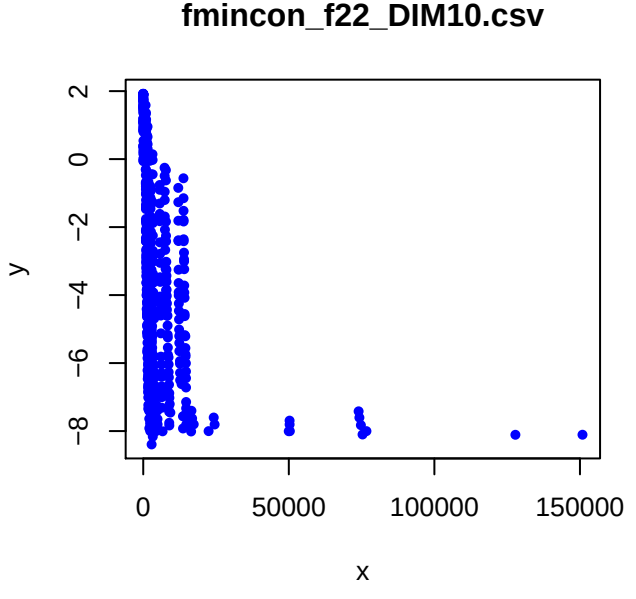
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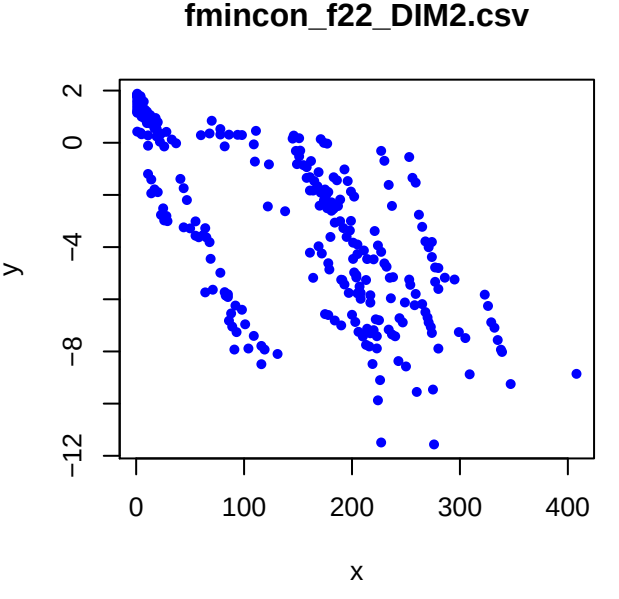
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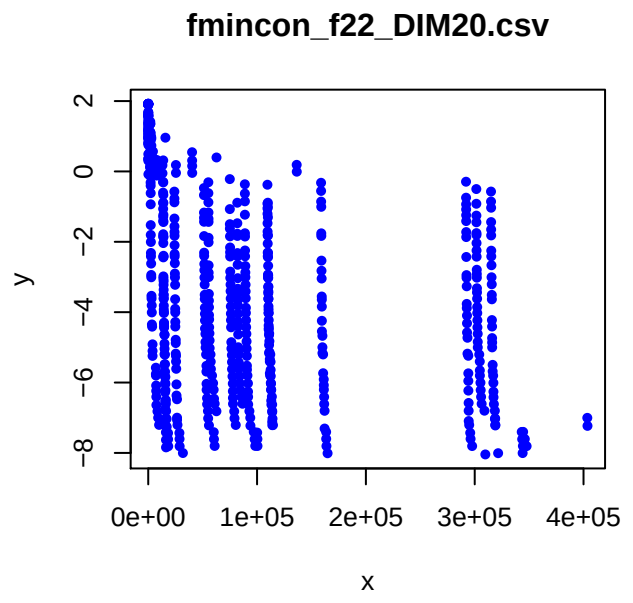
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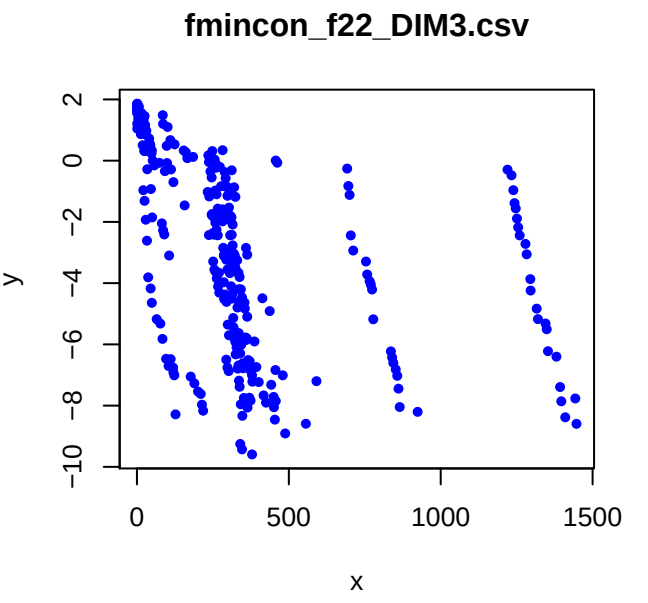
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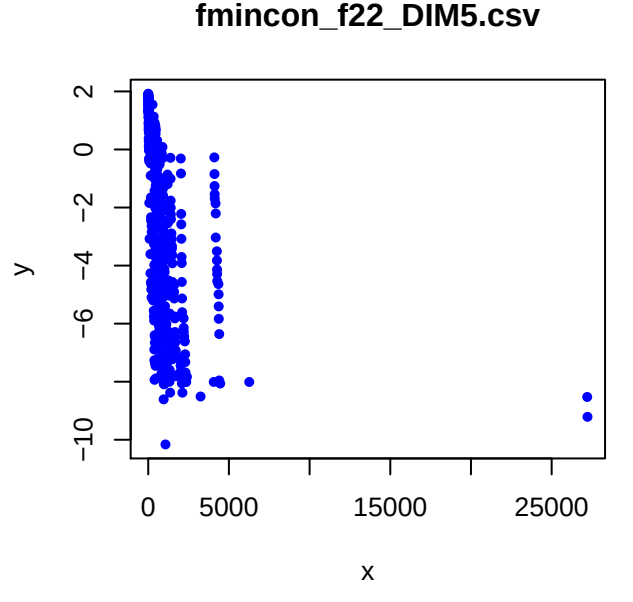
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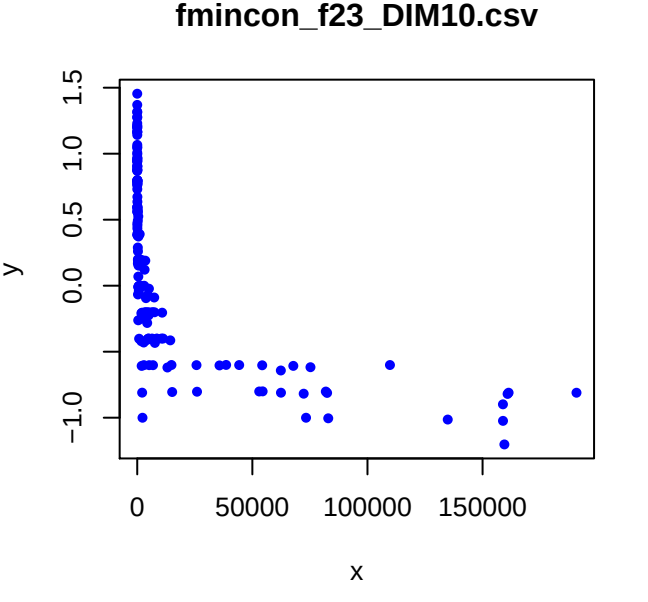
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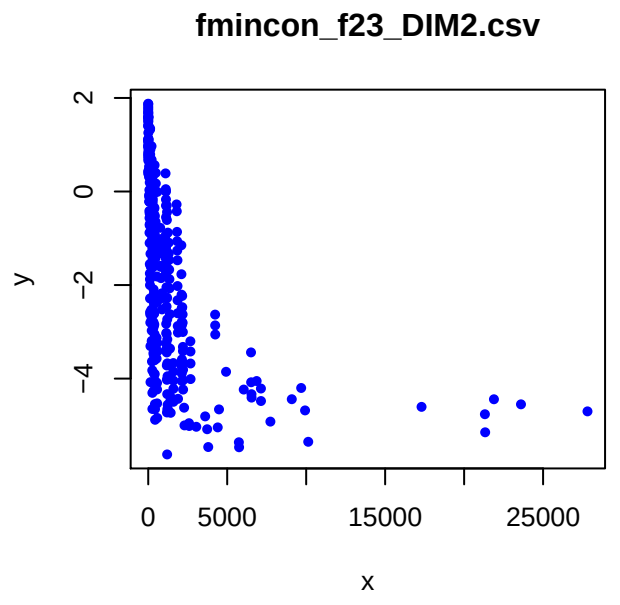
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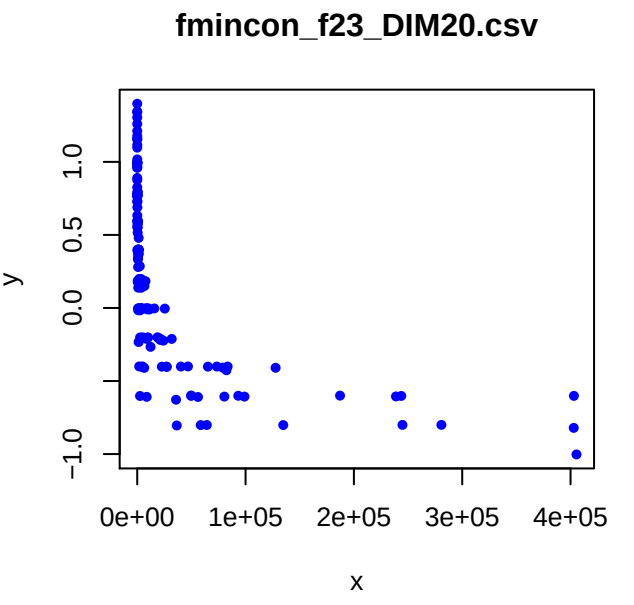
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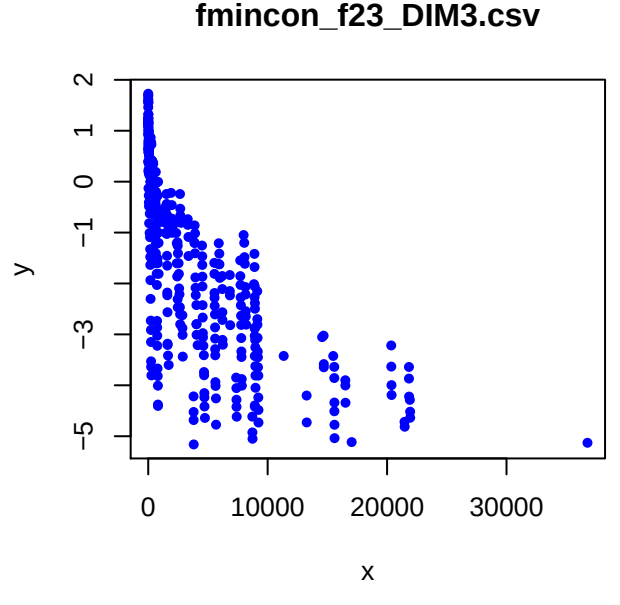
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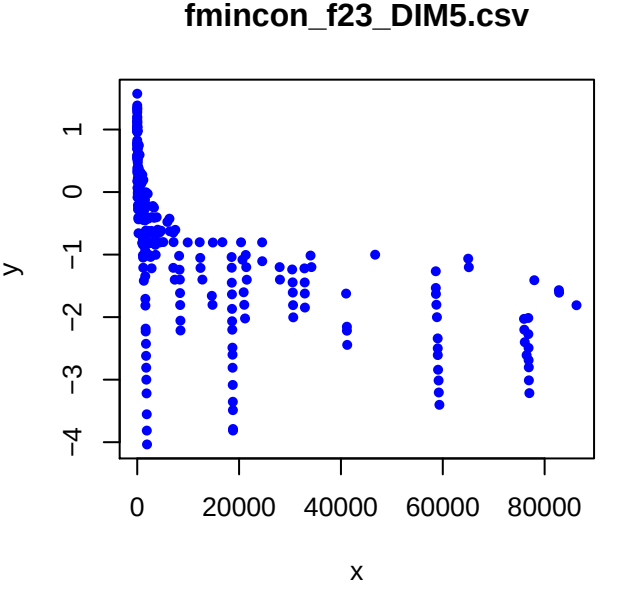
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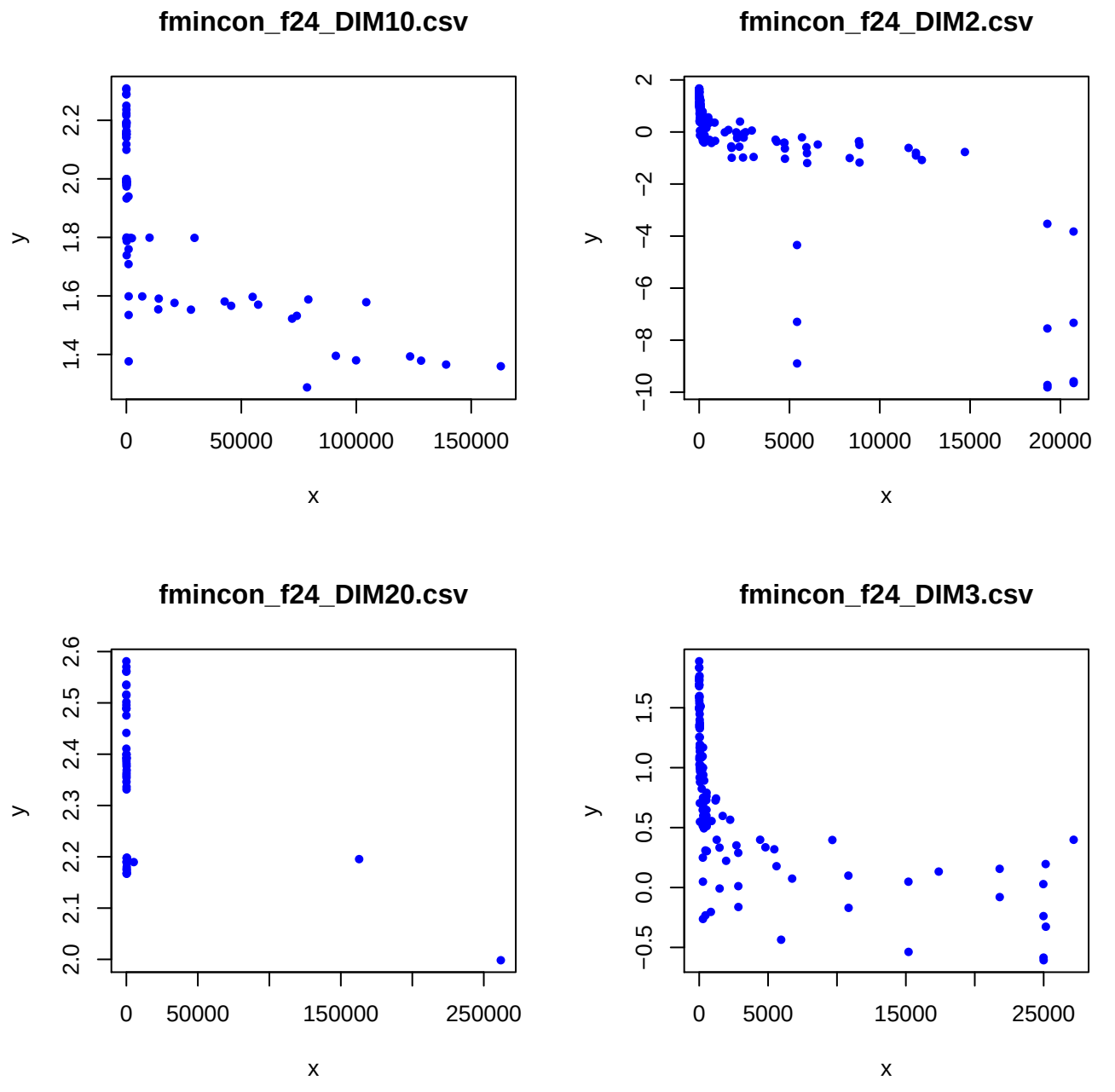
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x
fmincon_f24_DIM2.csv
y
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−8
−6
−4
−2
0
2
0
5000
10000
15000
20000
x
fmincon_f24_DIM20.csv
y
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2.1
2.2
2.3
2.4
2.5
2.6
0
50000
150000
250000
x
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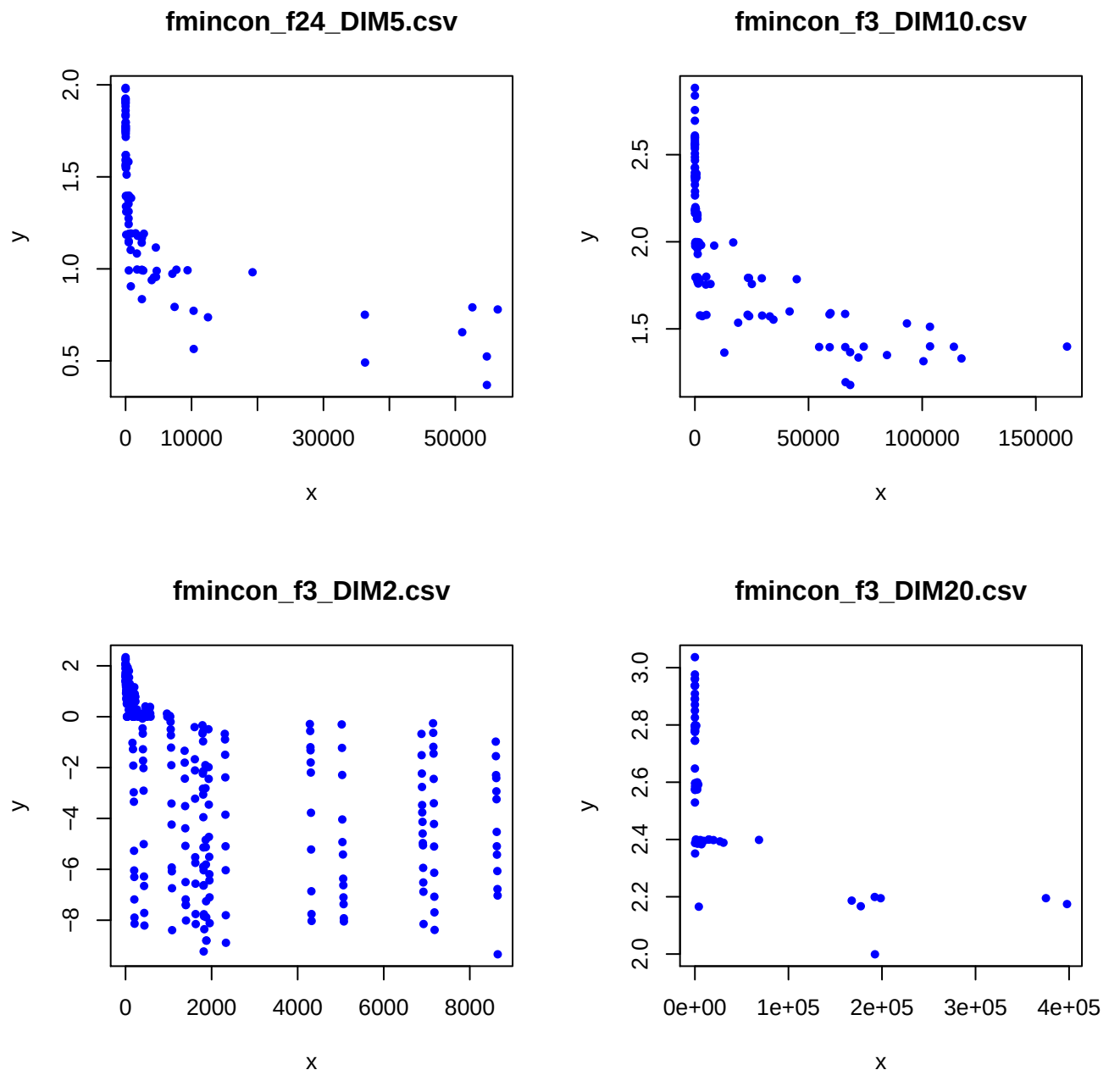
25000
x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50000
fmincon_f3_DIM10.csv
y
x
1.5
2.0
2.5
0
50000
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150000
fmincon_f3_DIM2.csv
y
x
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−6
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6000
8000
fmincon_f3_DIM20.csv
y
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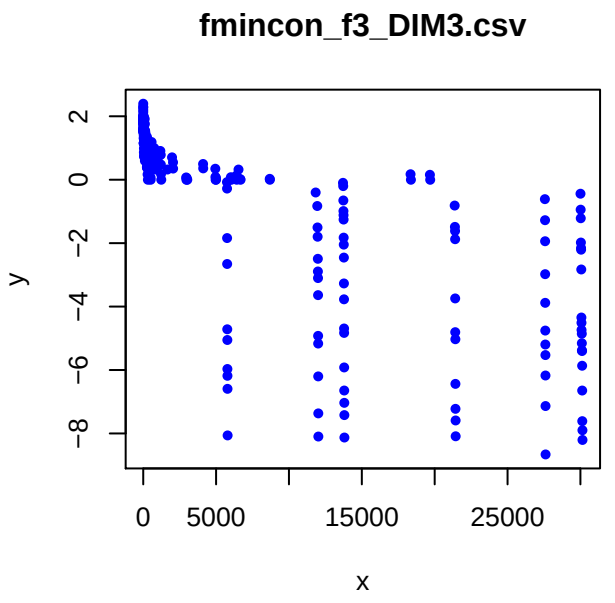
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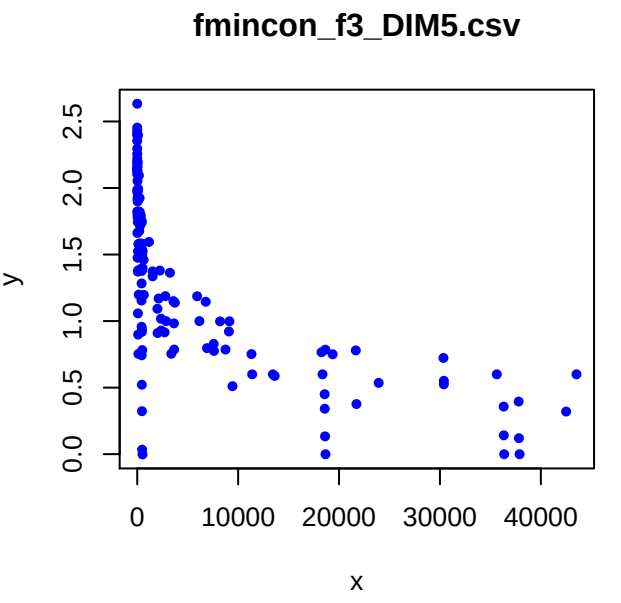
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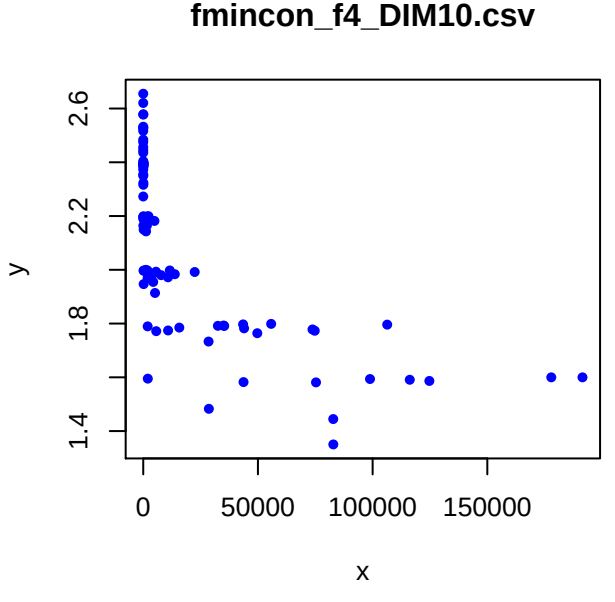
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x
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2.2
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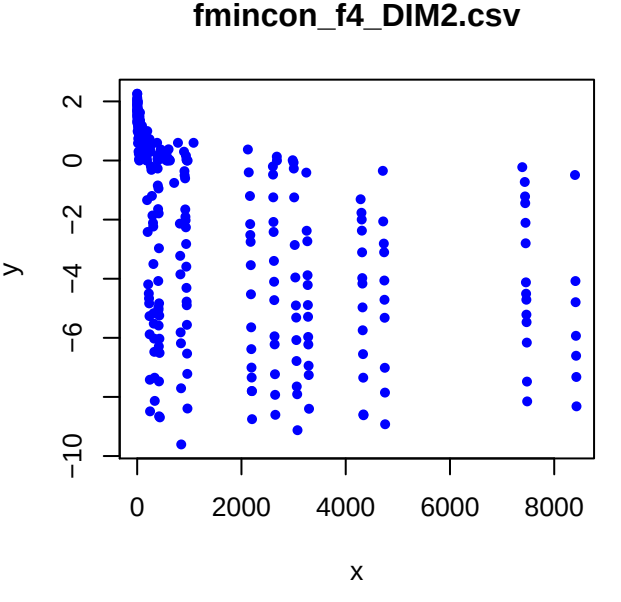
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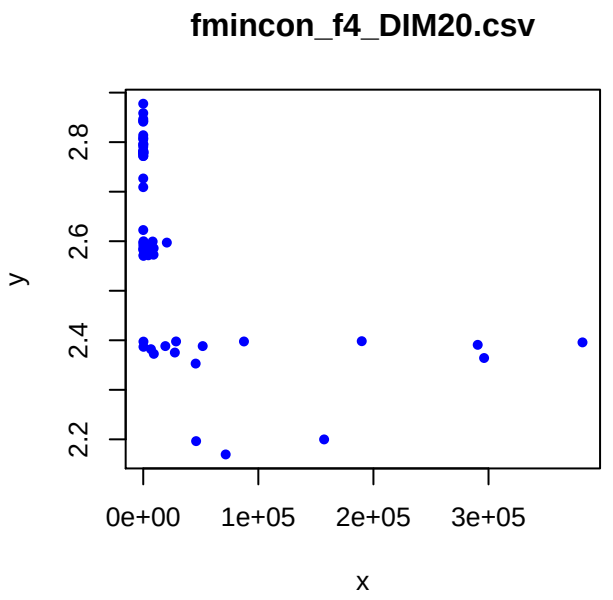
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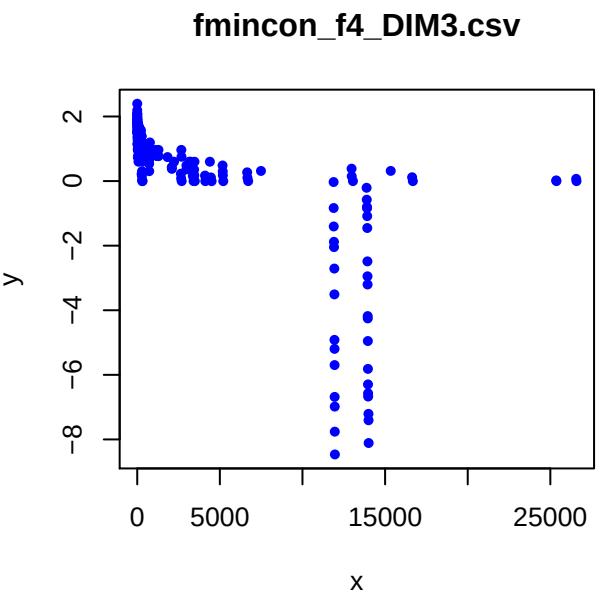
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−8
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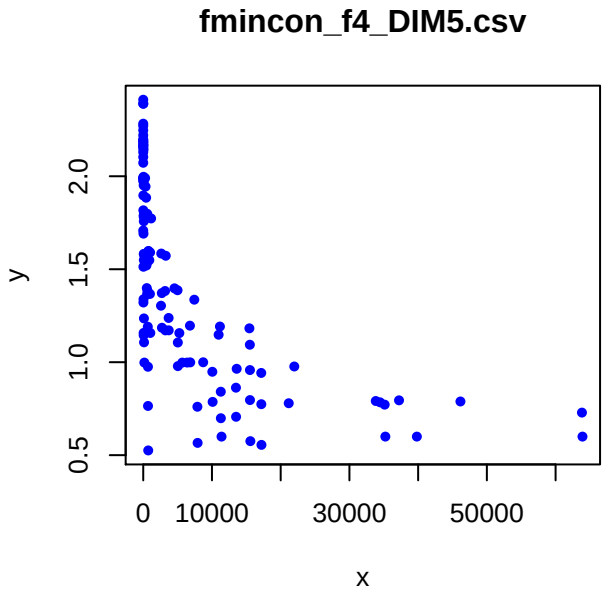
25000
x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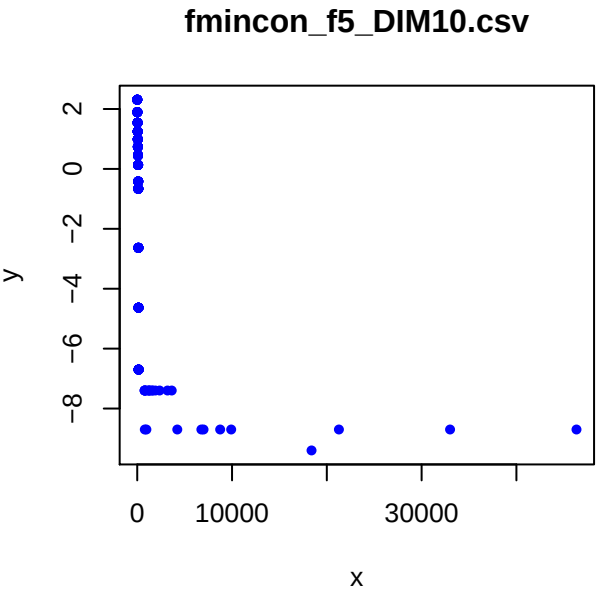
x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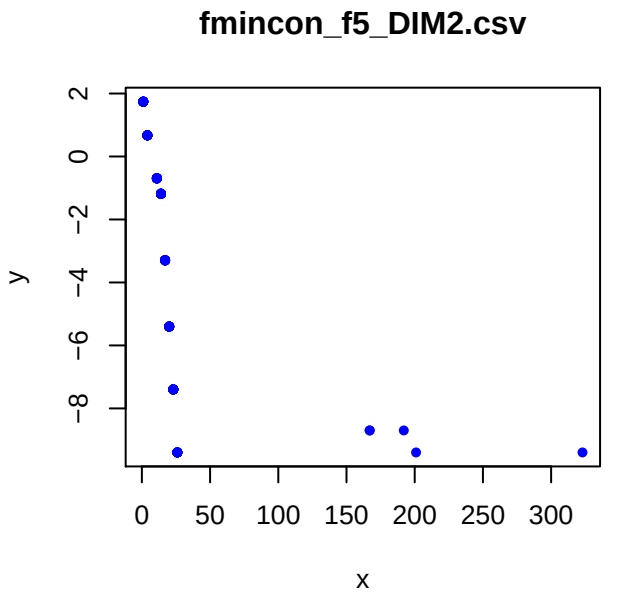
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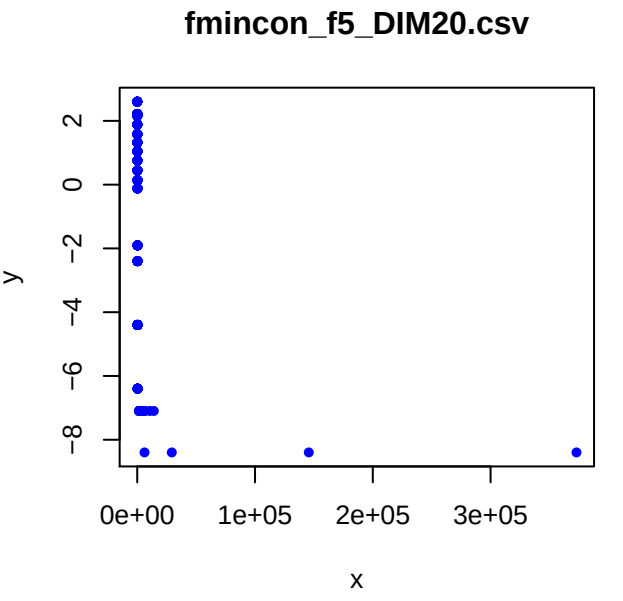
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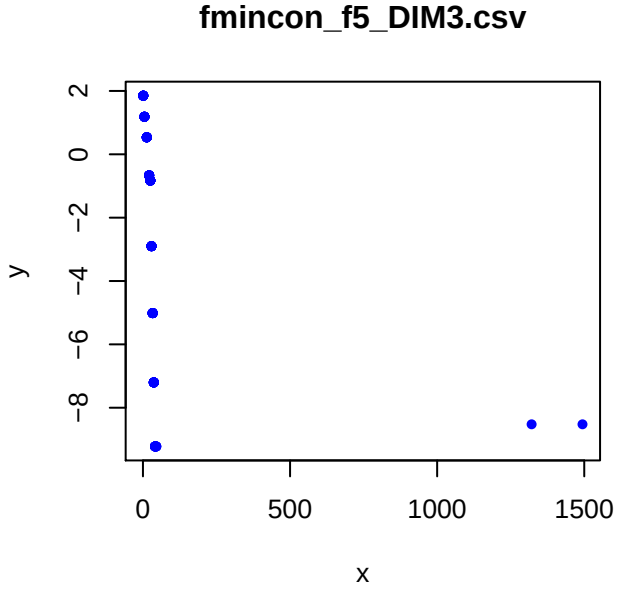
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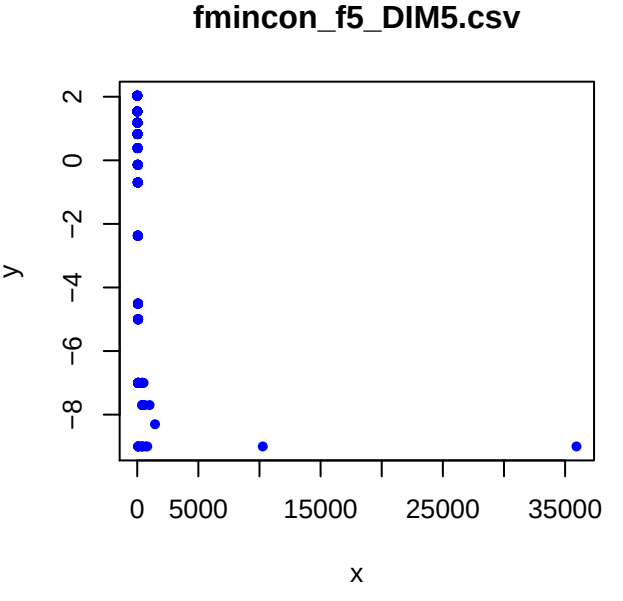
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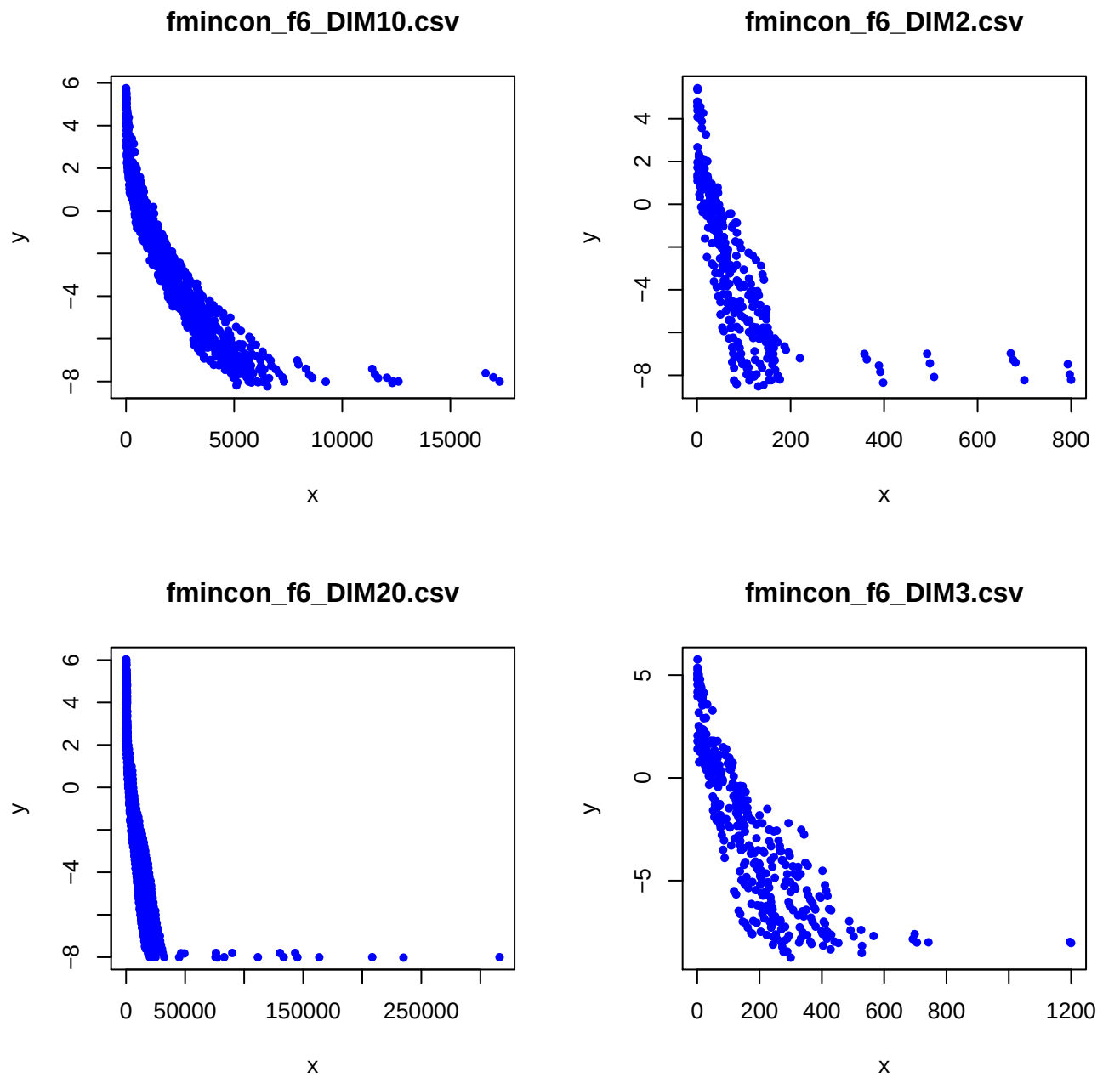
fmincon_f6_DIM10.csv
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4
2
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x
fmincon_f6_DIM2.csv
y
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800
x
fmincon_f6_DIM20.csv
y
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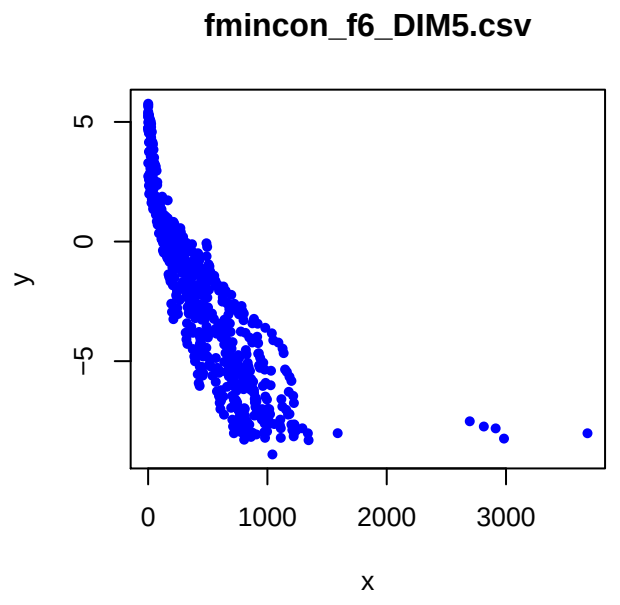
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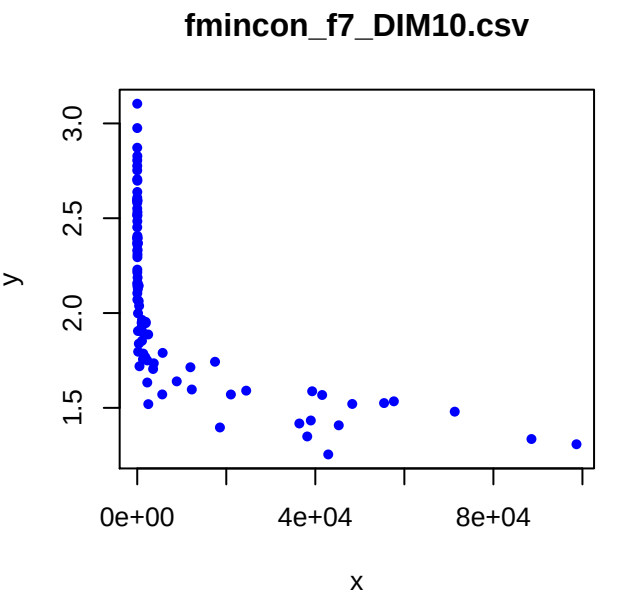
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1.5
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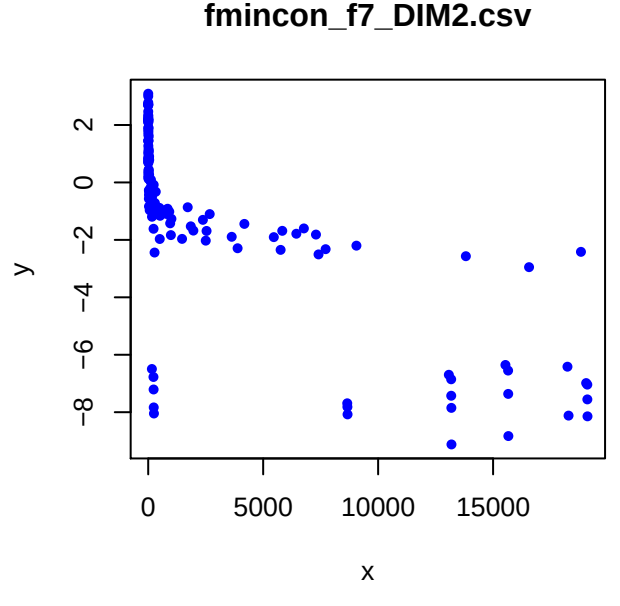
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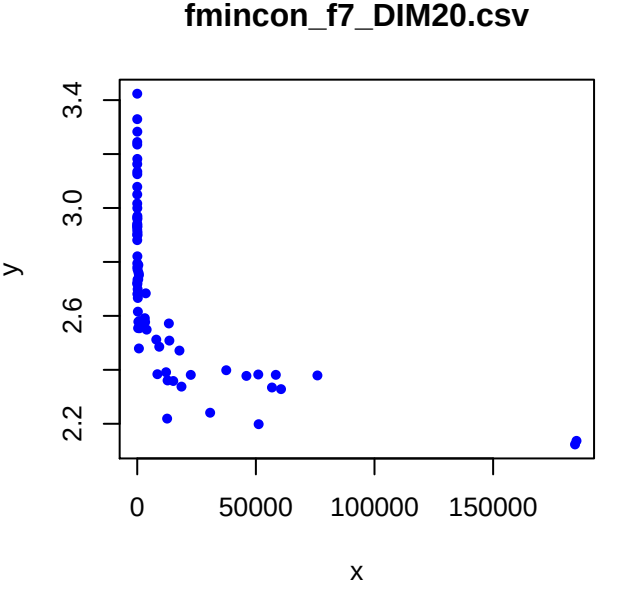
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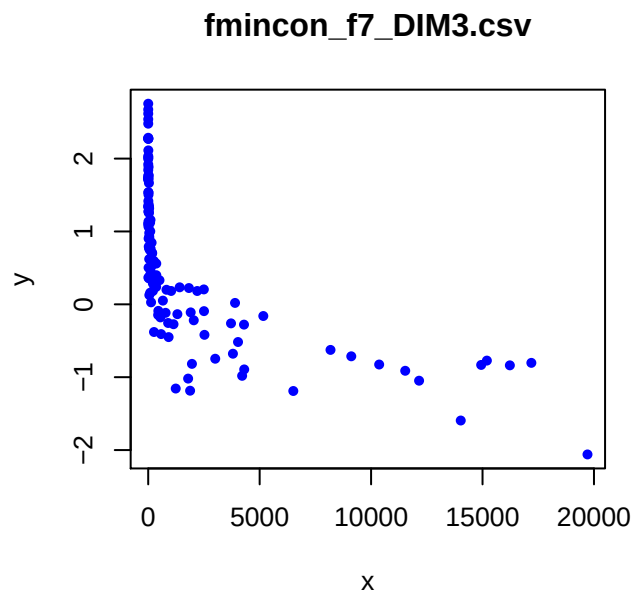
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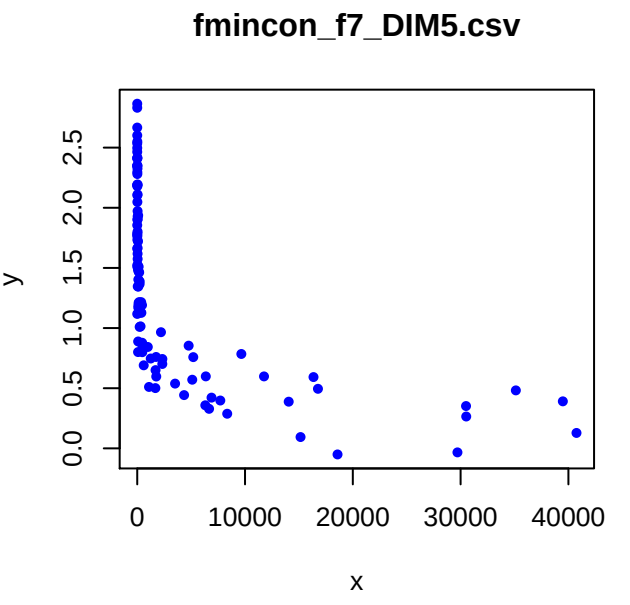
fmincon_f7_DIM5.csv
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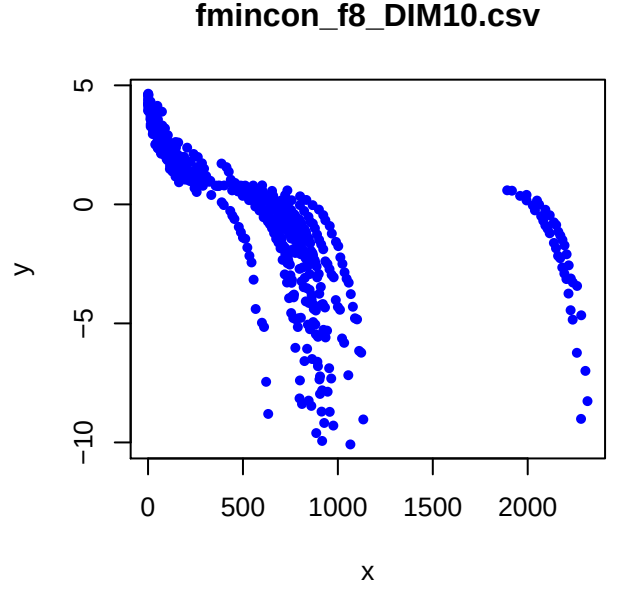
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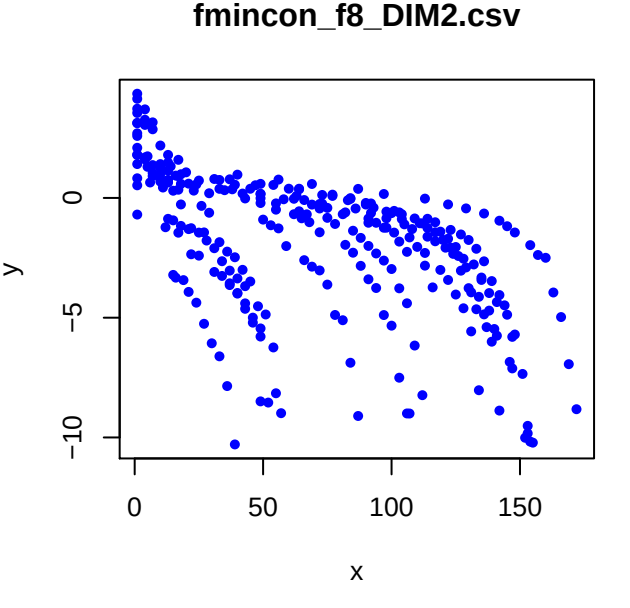
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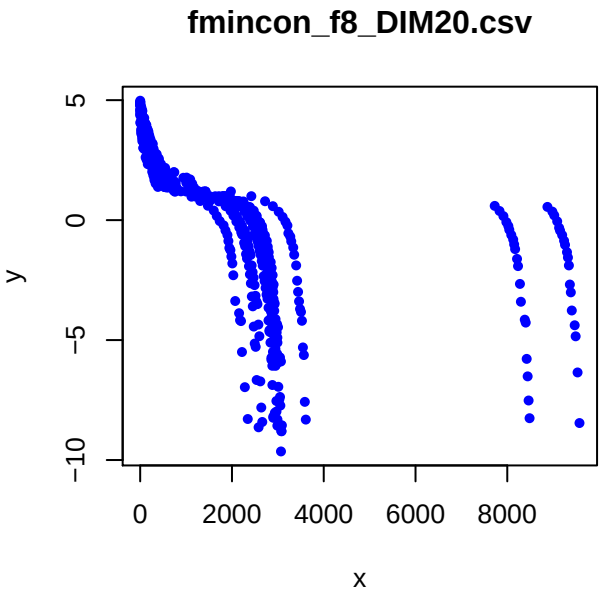
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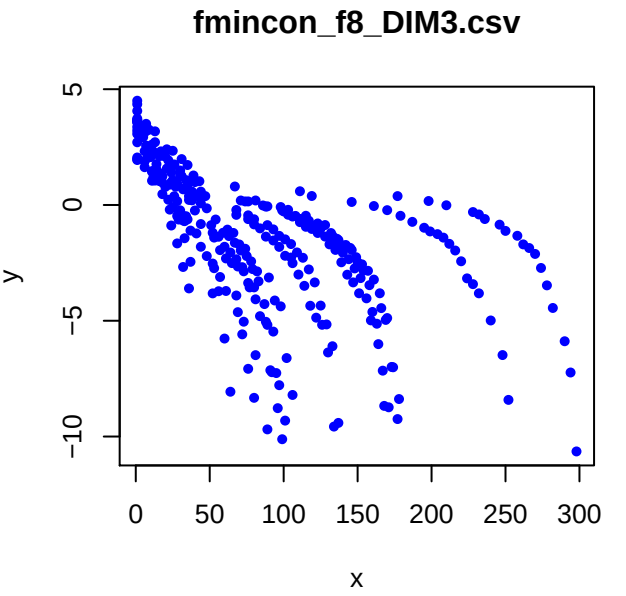
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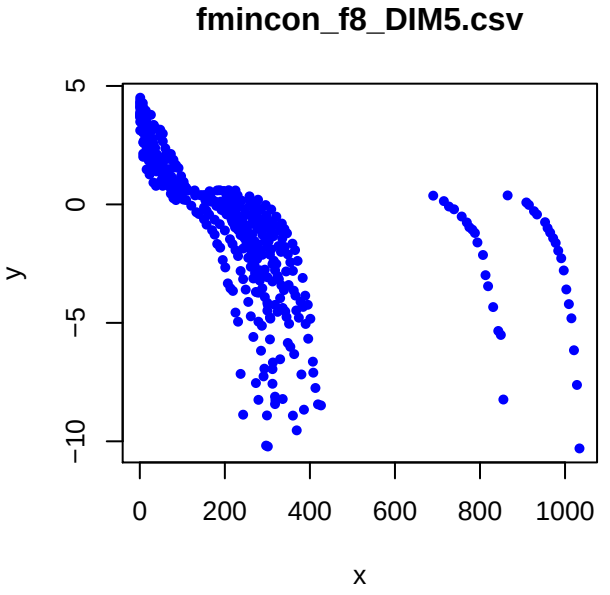
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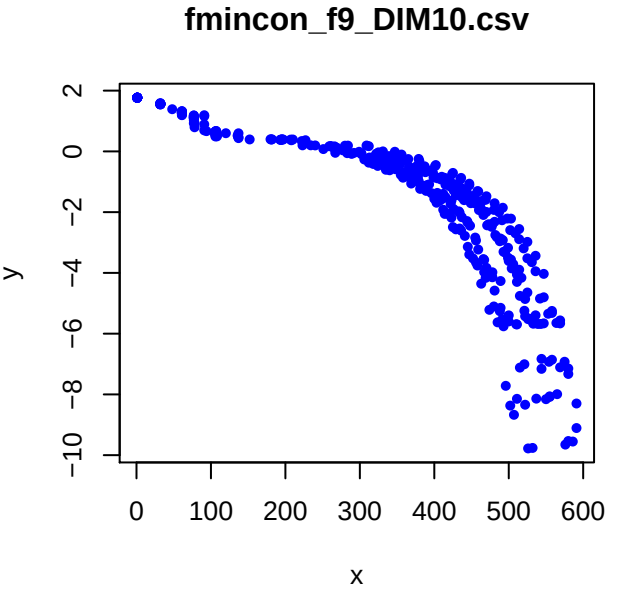
fmincon_f9_DIM10.csv
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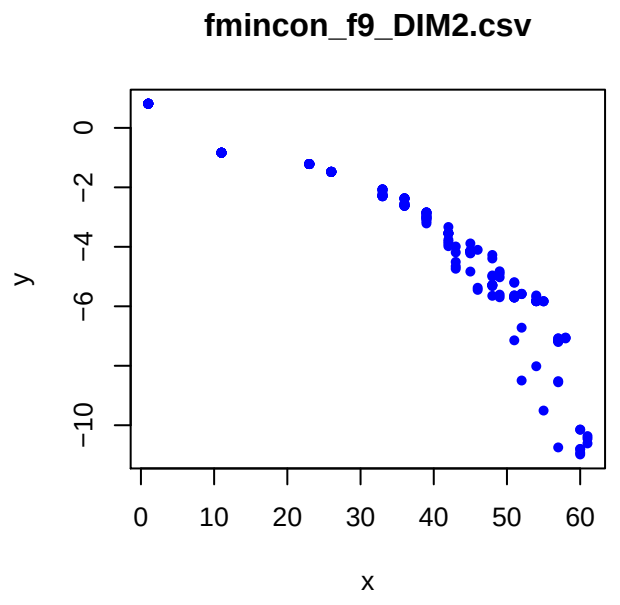
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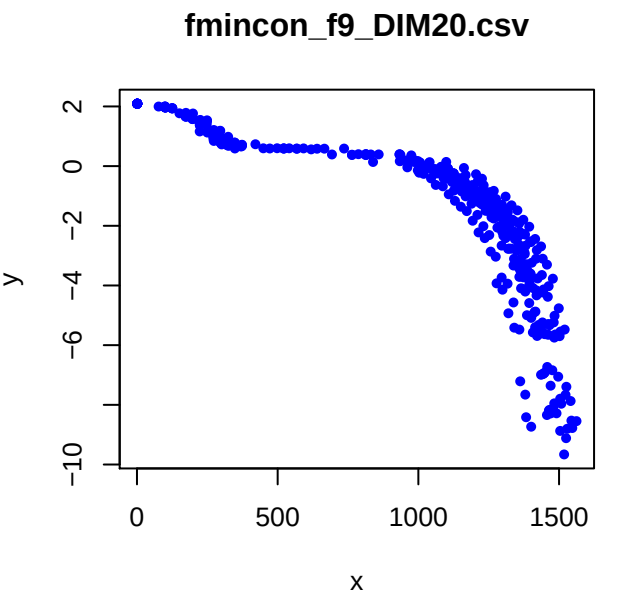
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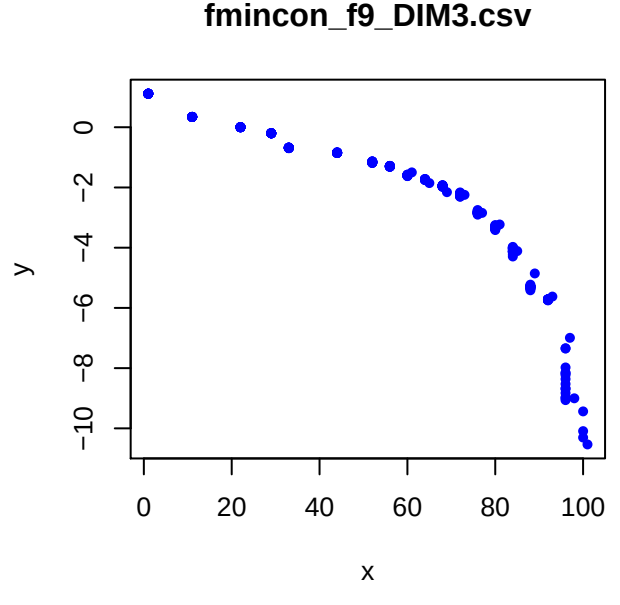
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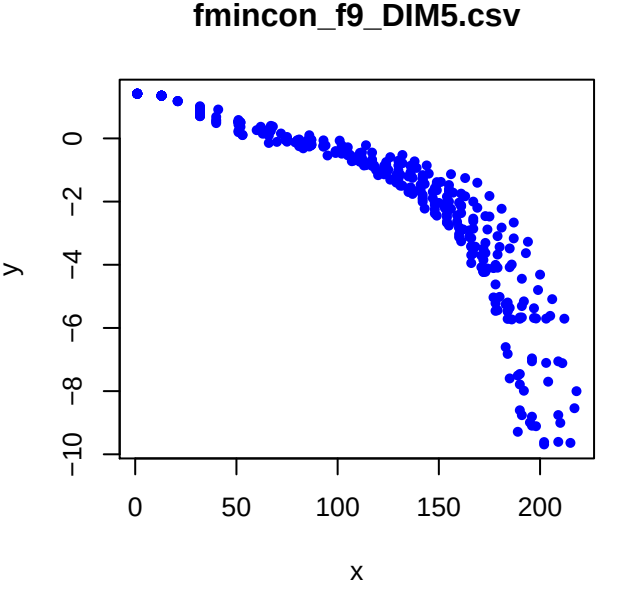
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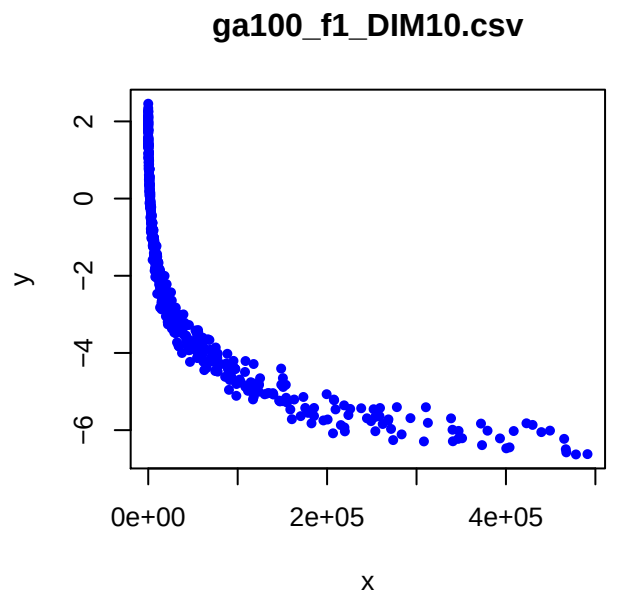
ga100_f1_DIM10.csv
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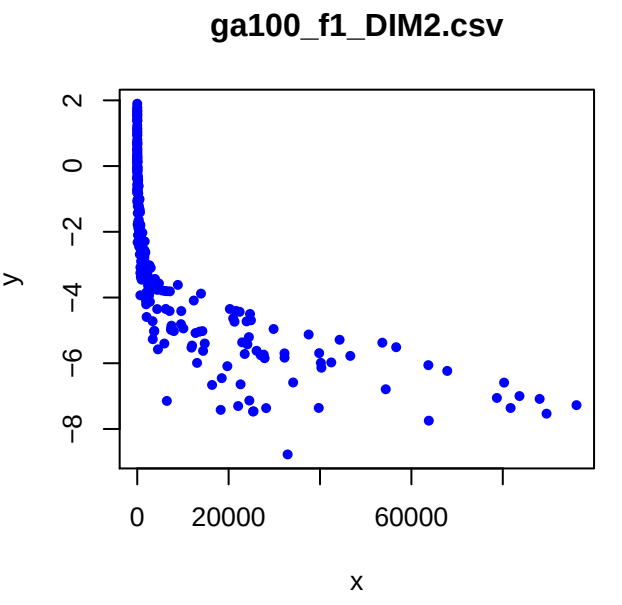
x


ga100_f1_DIM2.csv
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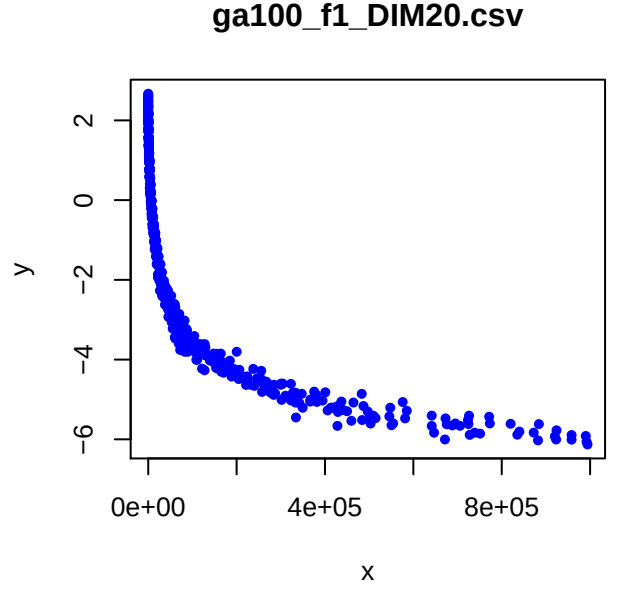
x


ga100_f1_DIM20.csv
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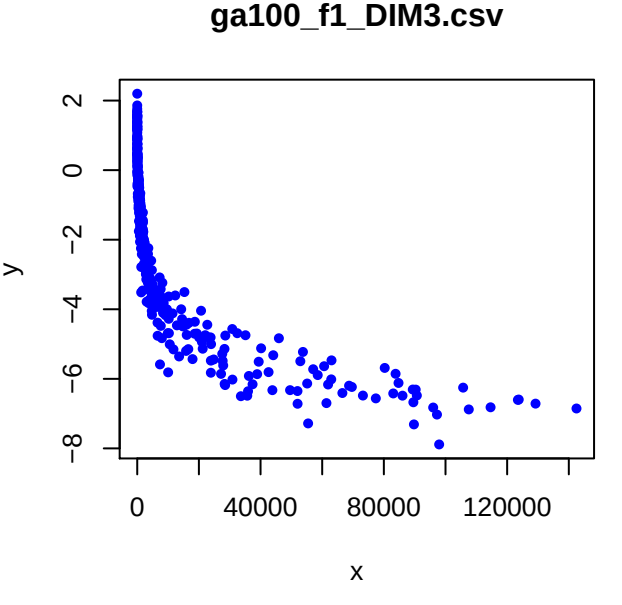
x


ga100_f1_DIM3.csv
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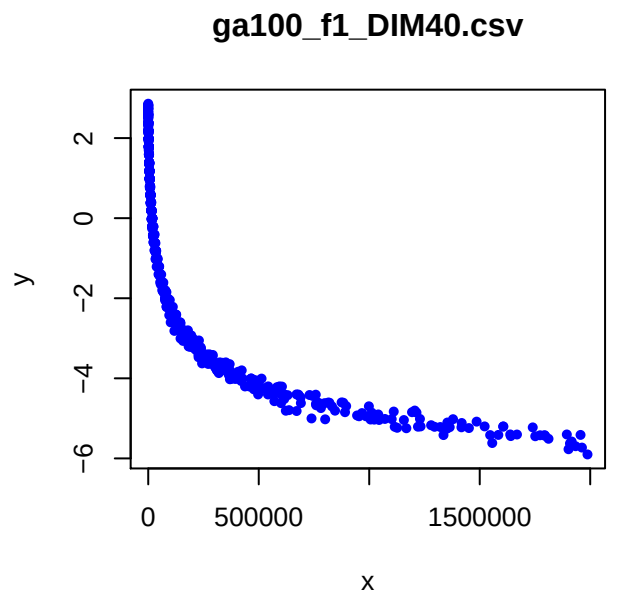
x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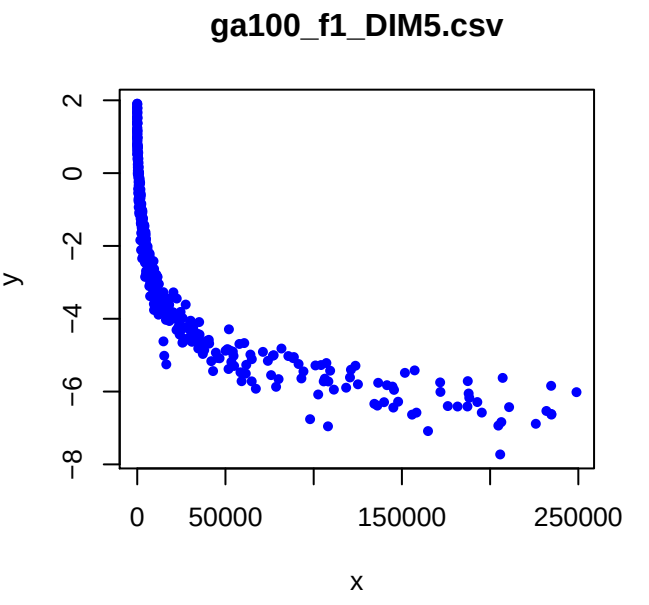
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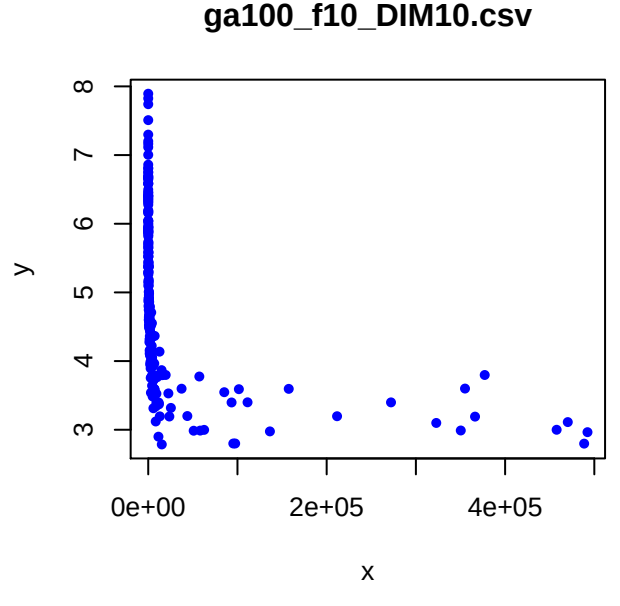
ga100_f10_DIM10.csv
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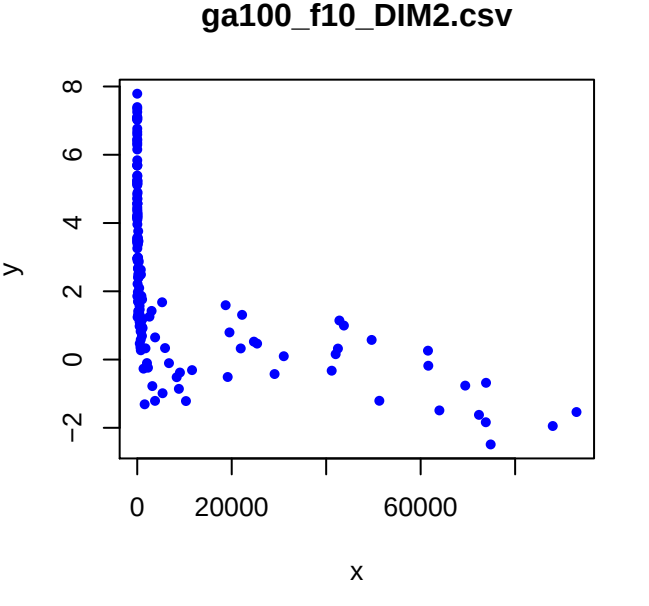
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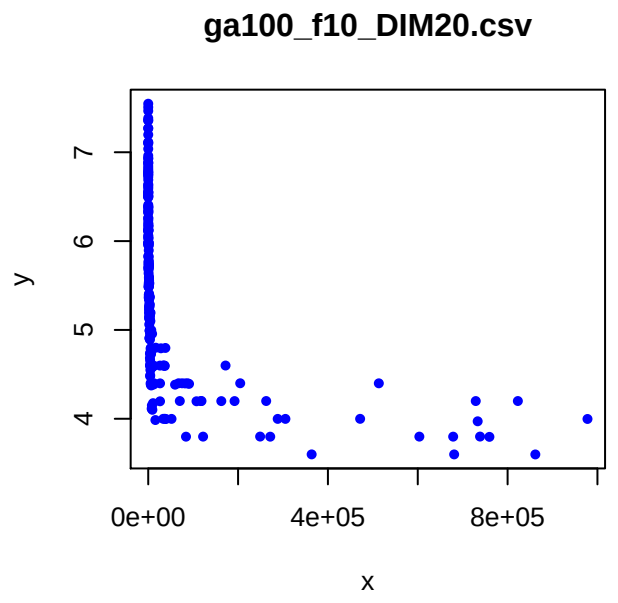
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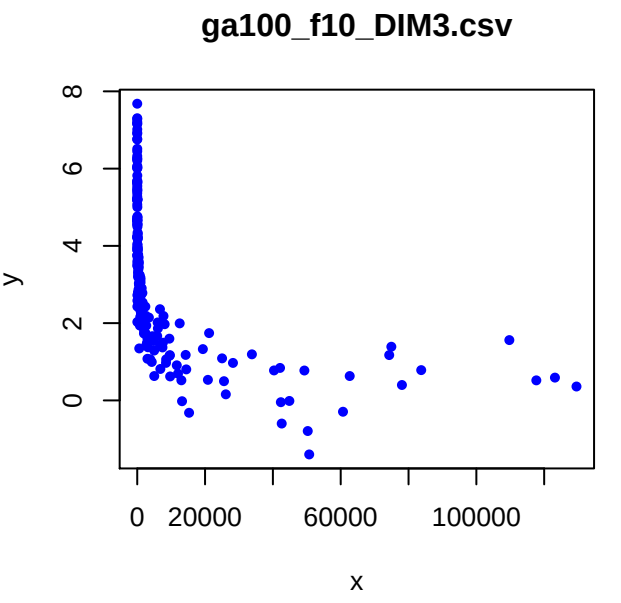
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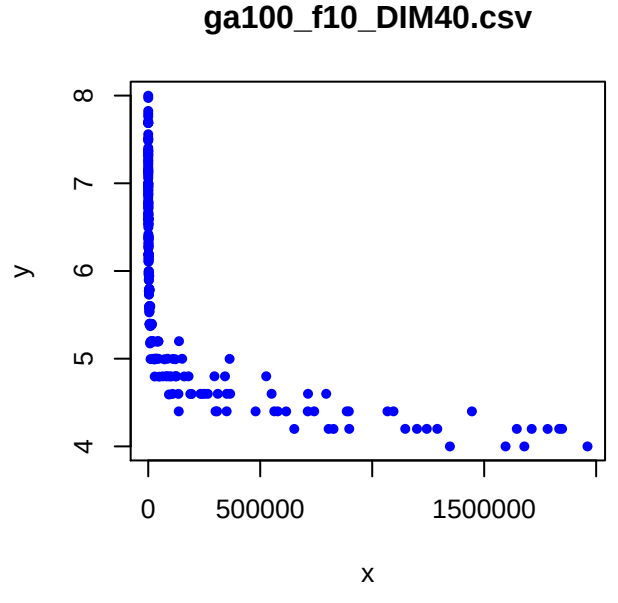
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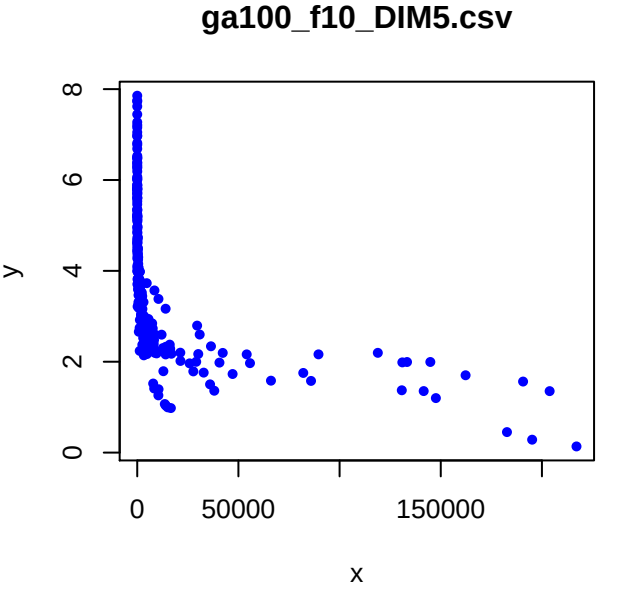
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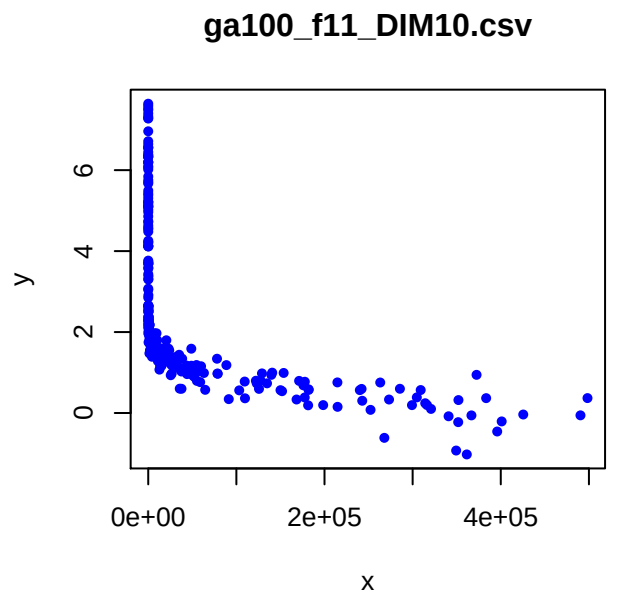
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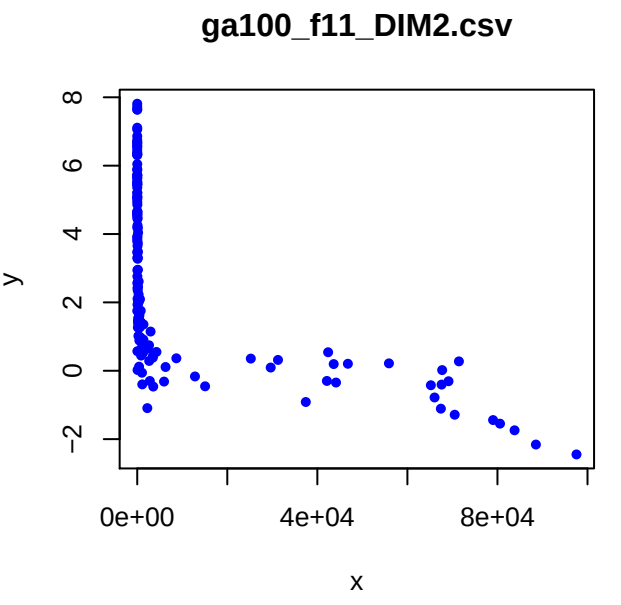
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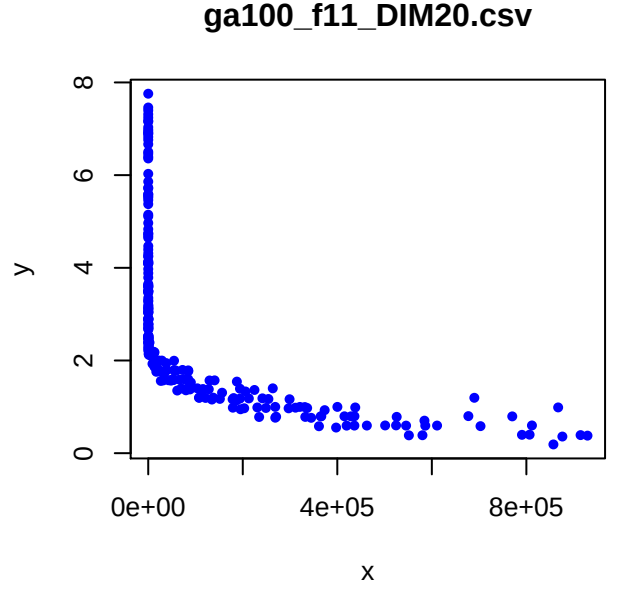
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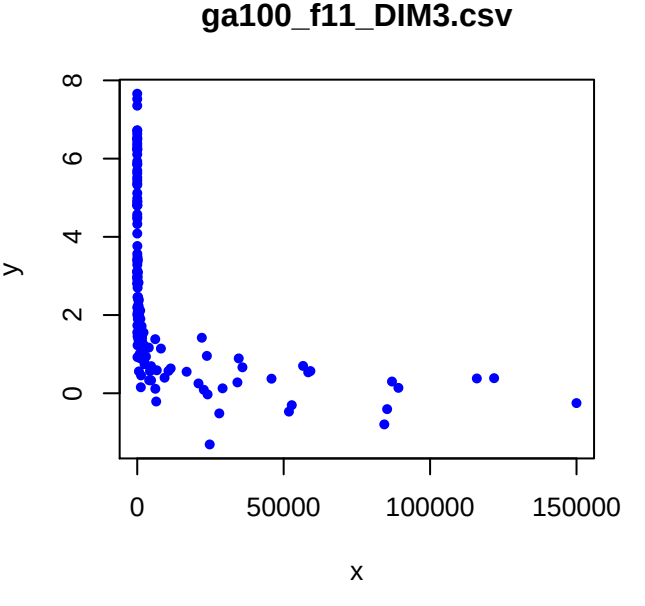
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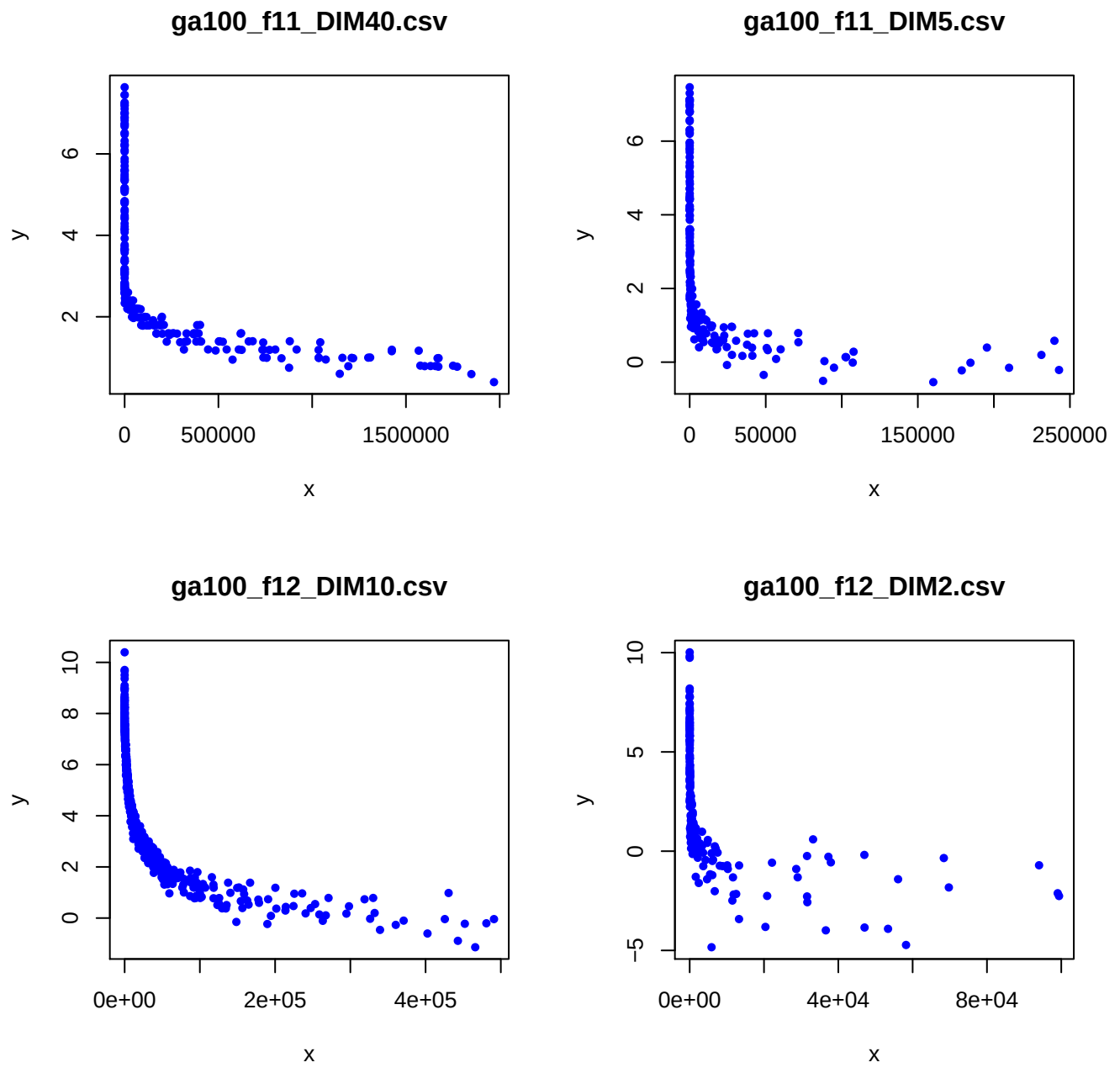
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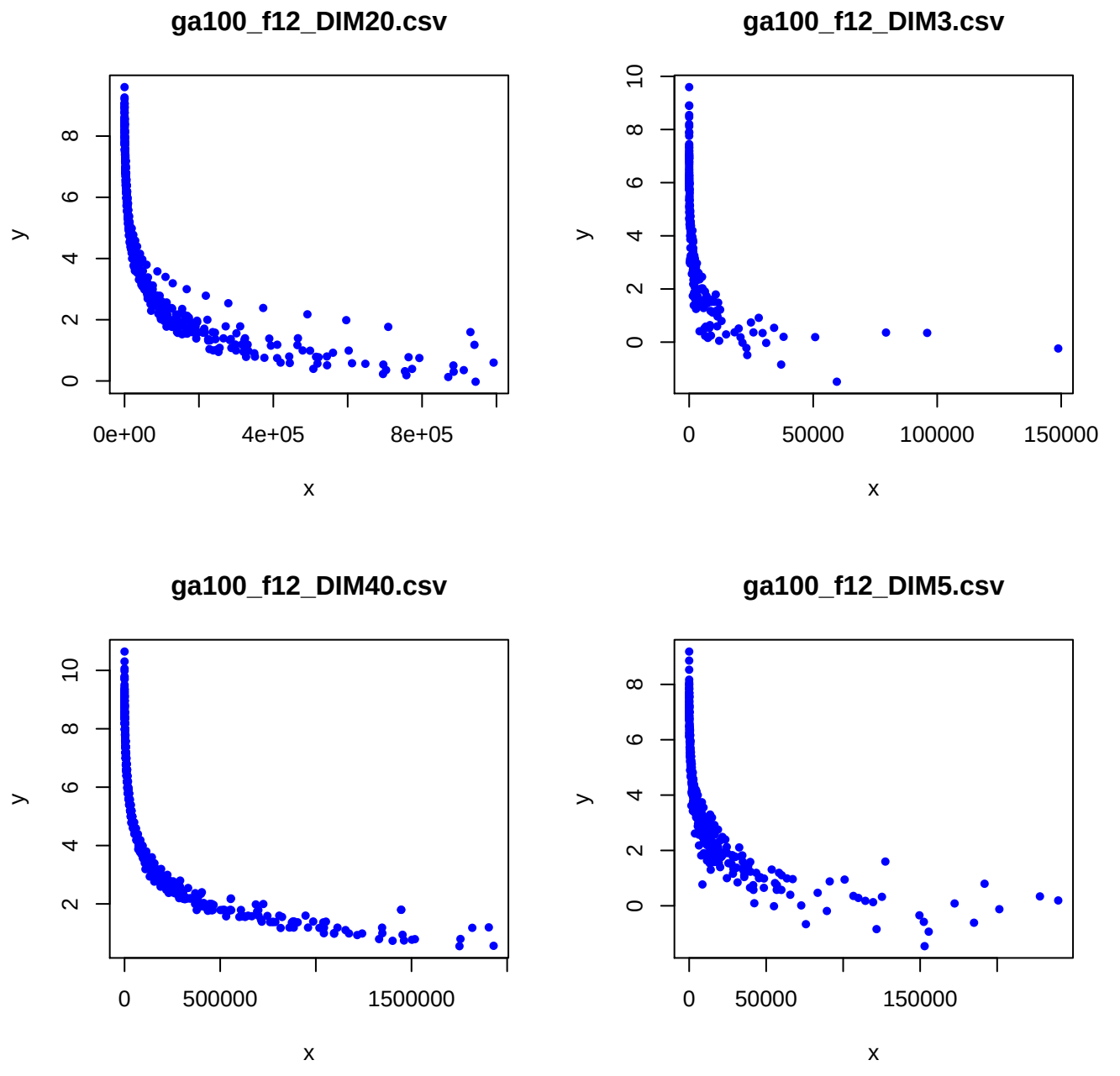
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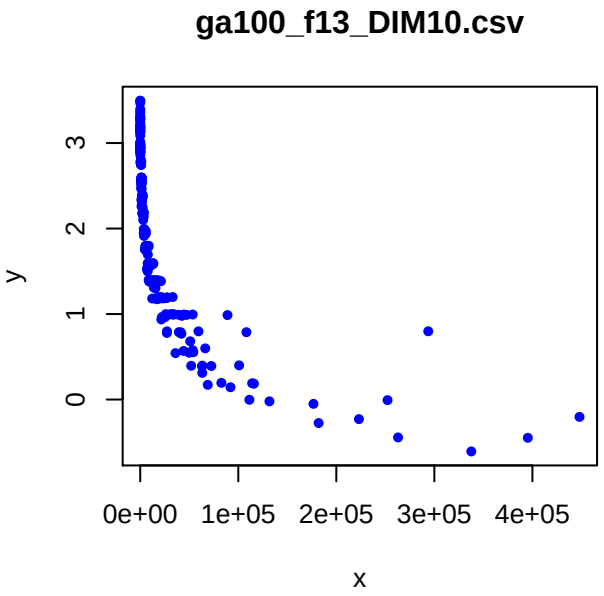
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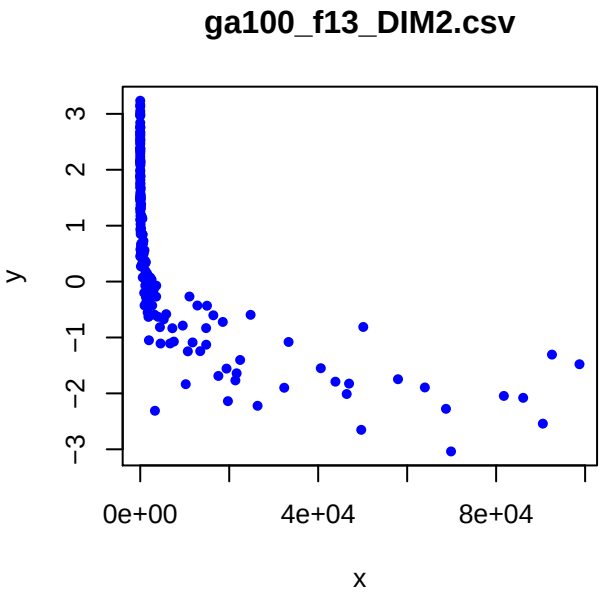
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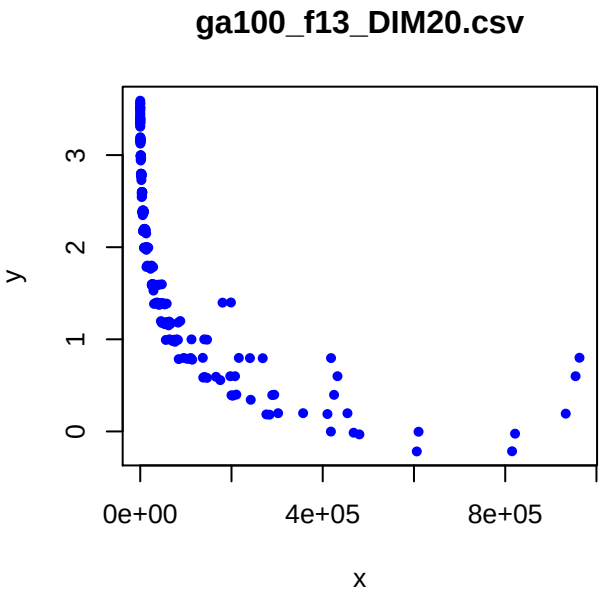
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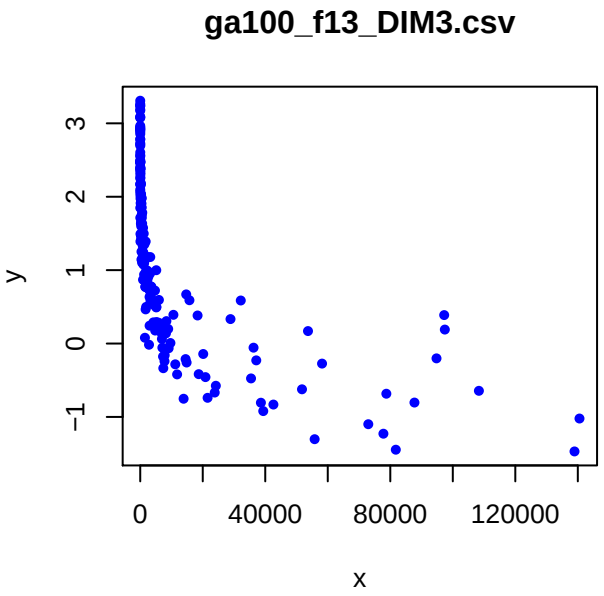
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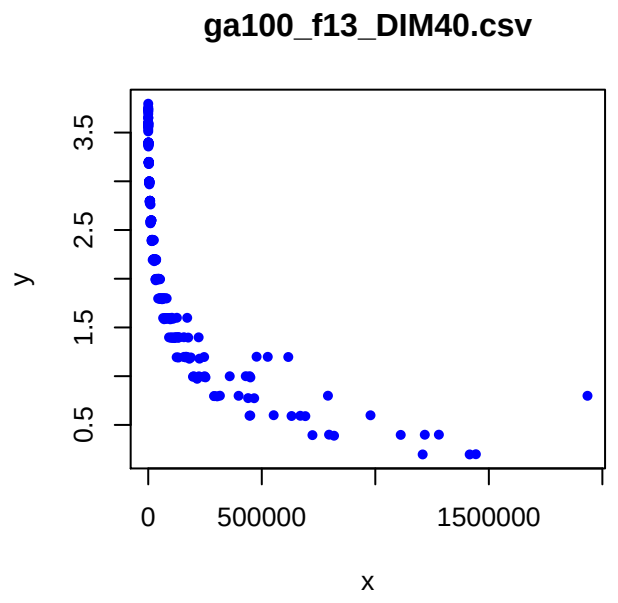
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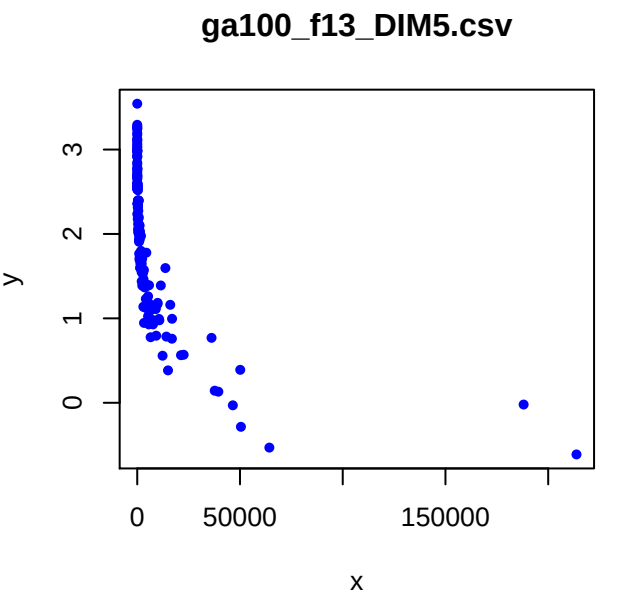
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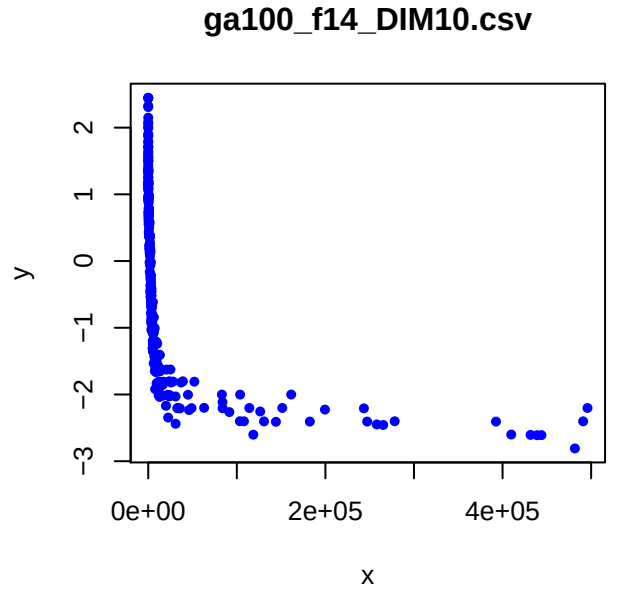
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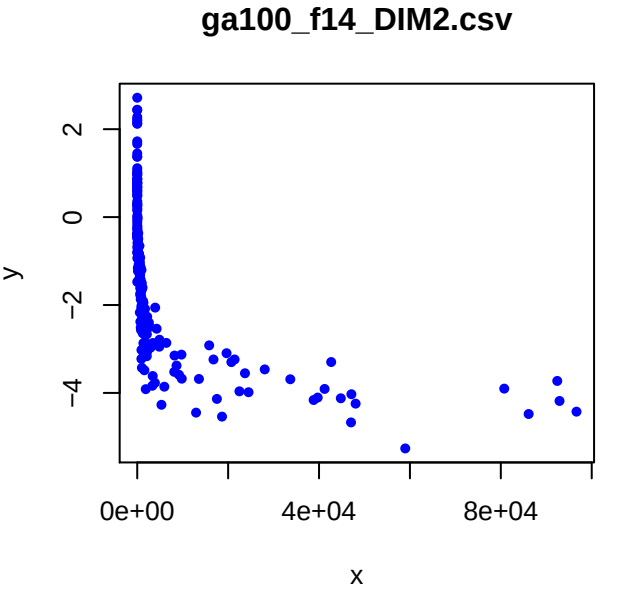
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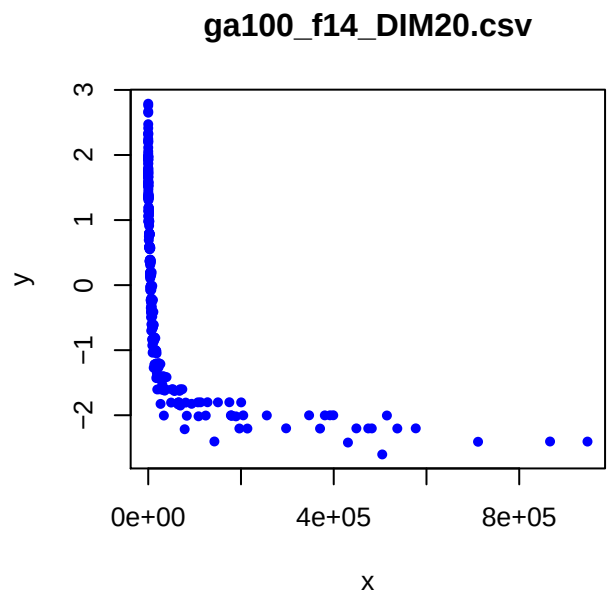
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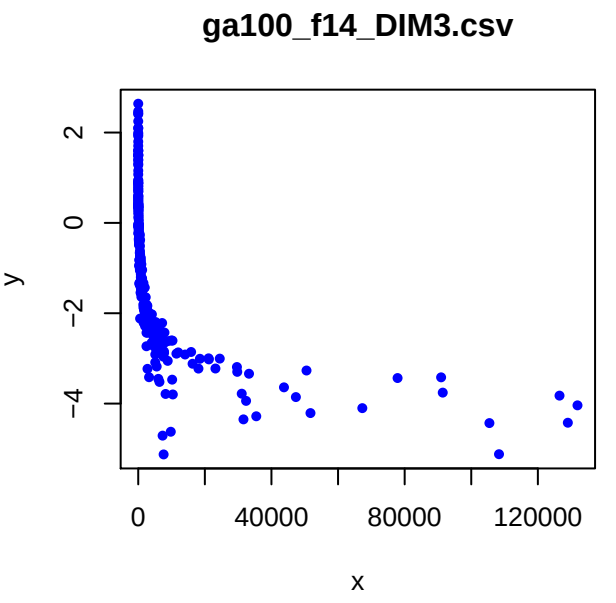
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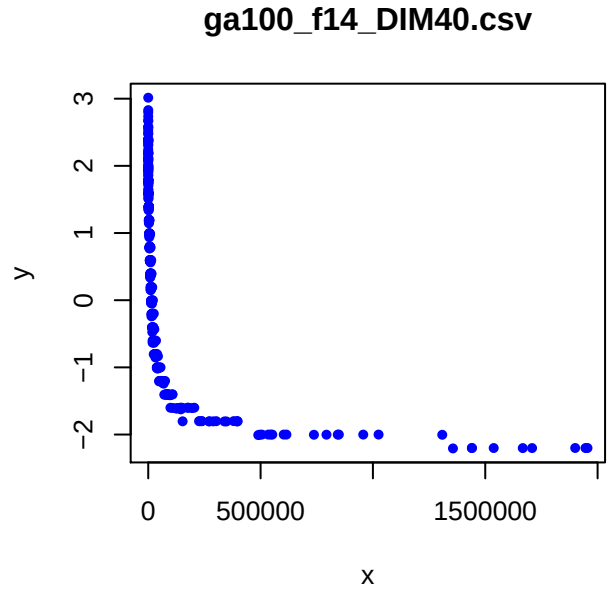
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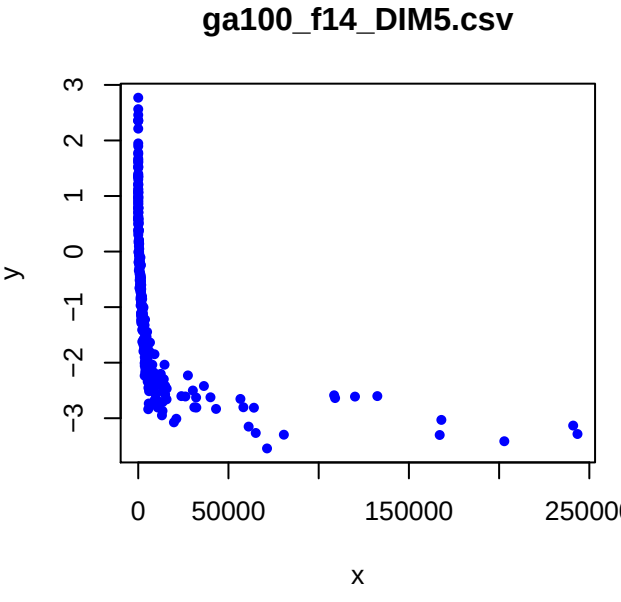
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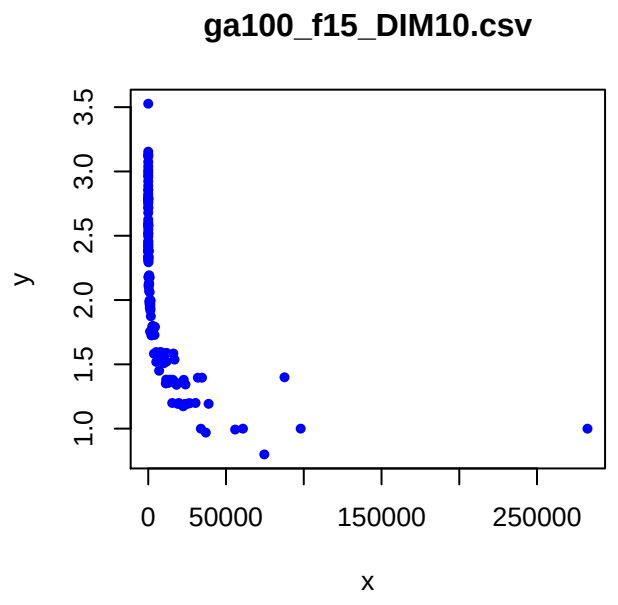
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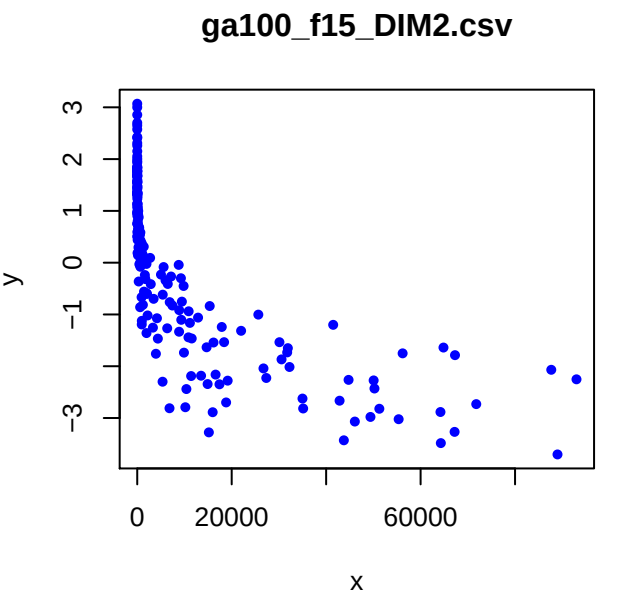
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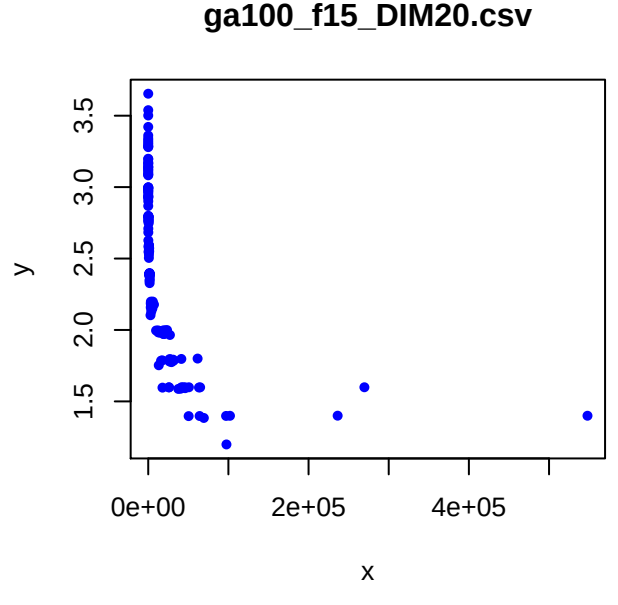
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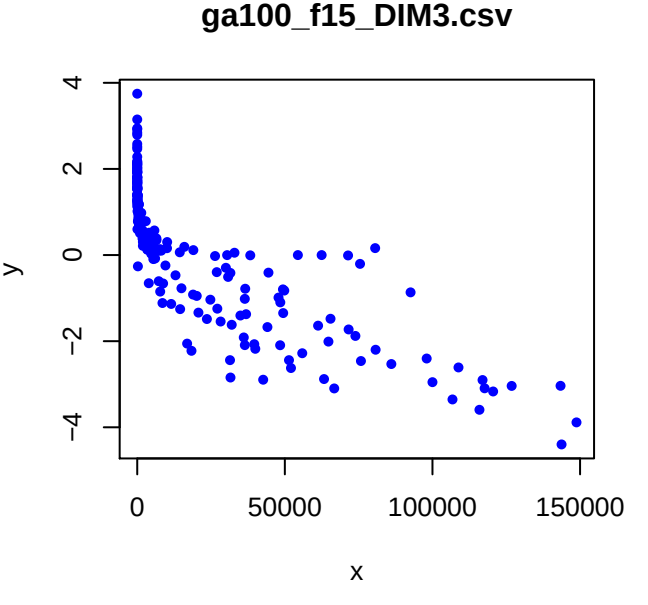
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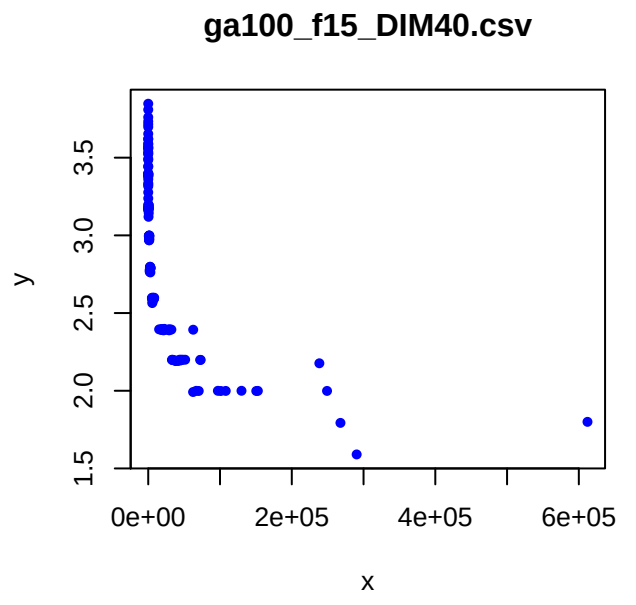
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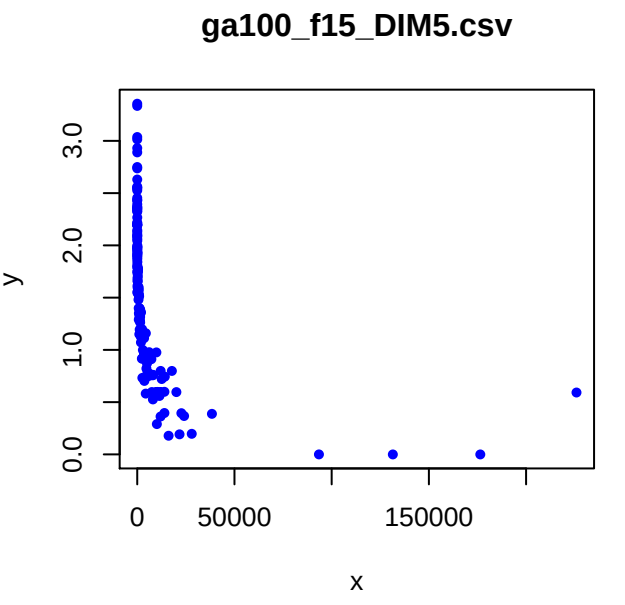
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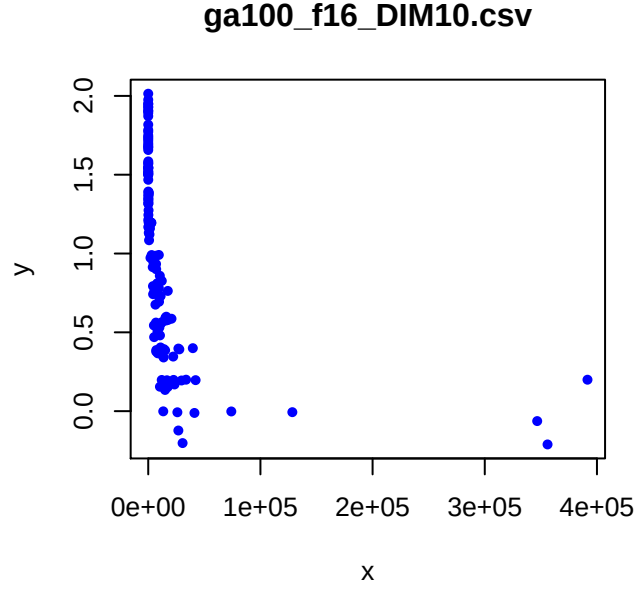
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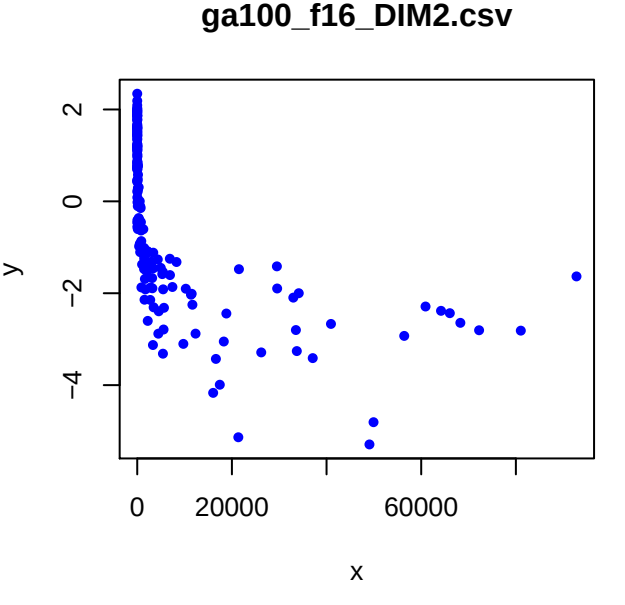
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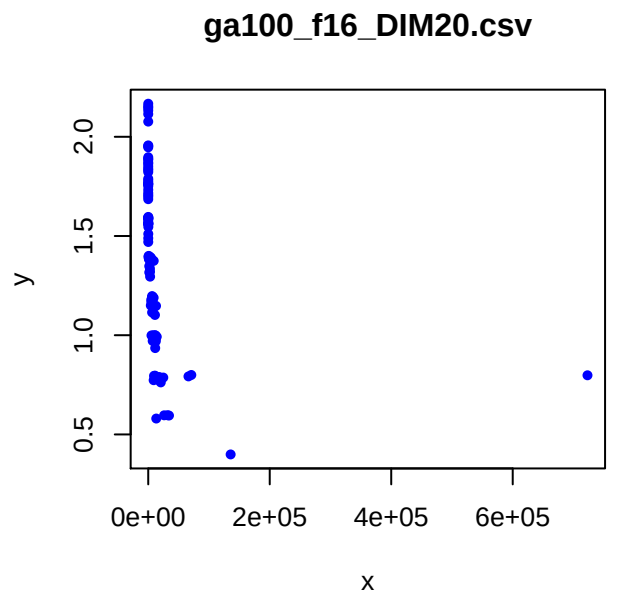
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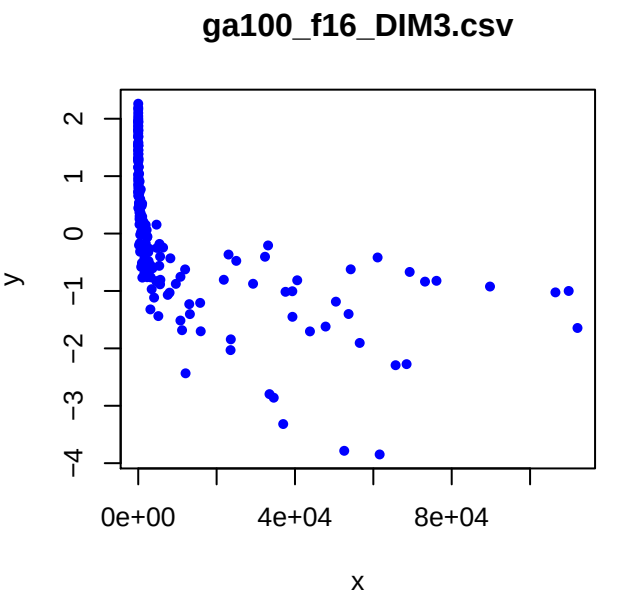
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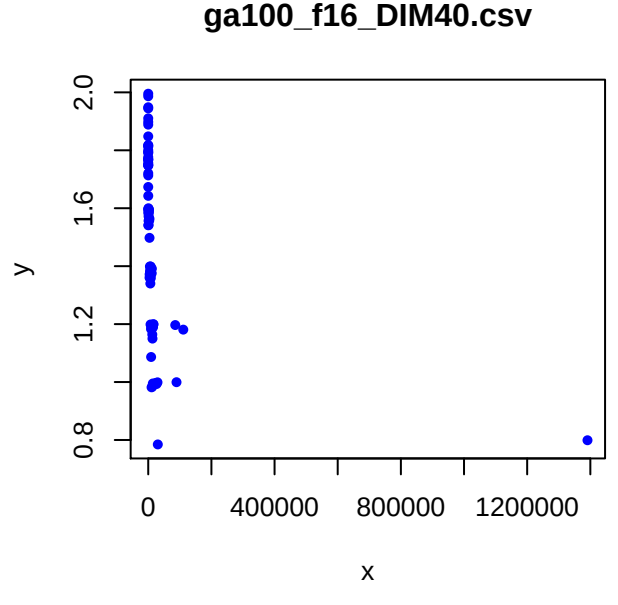
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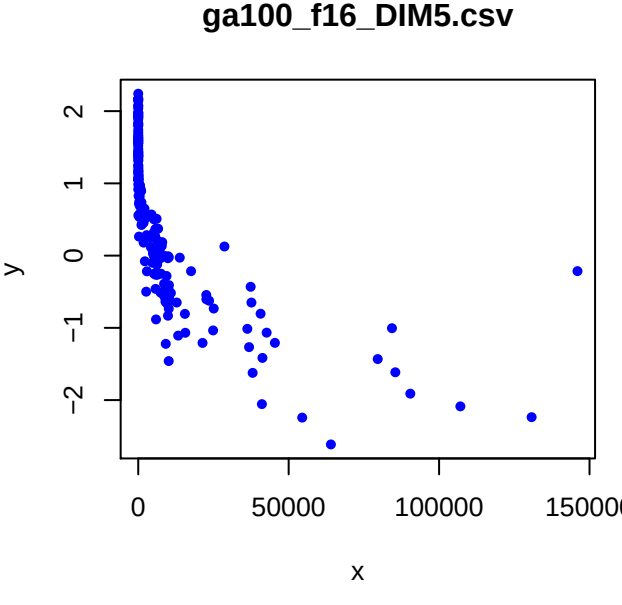
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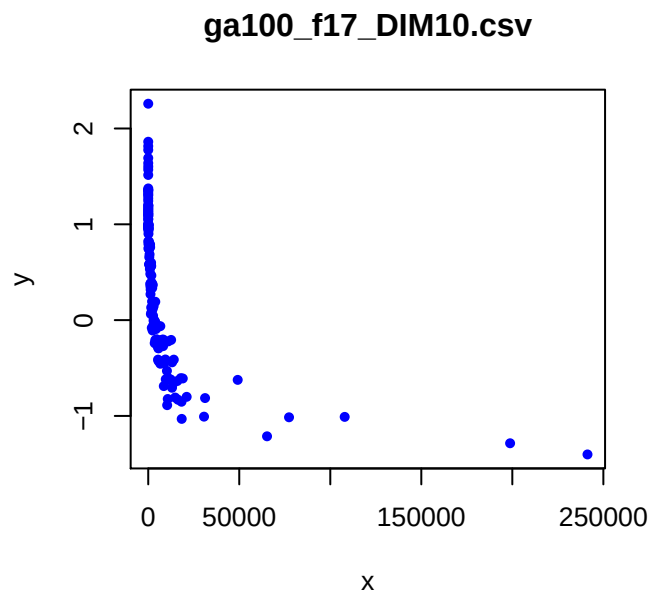
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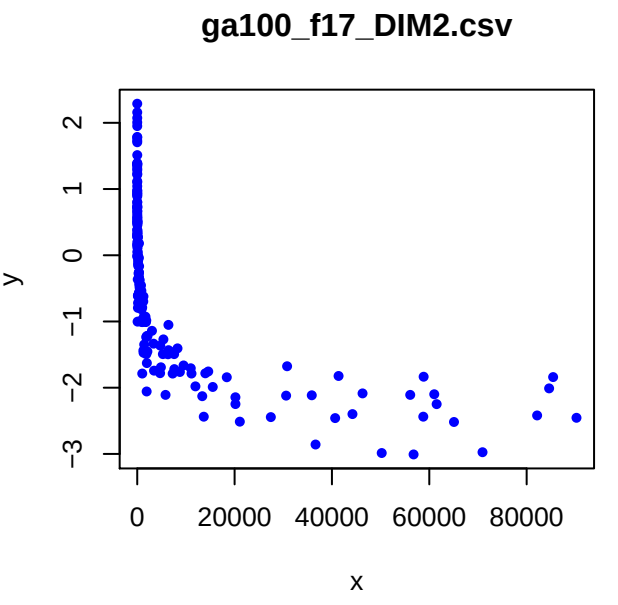
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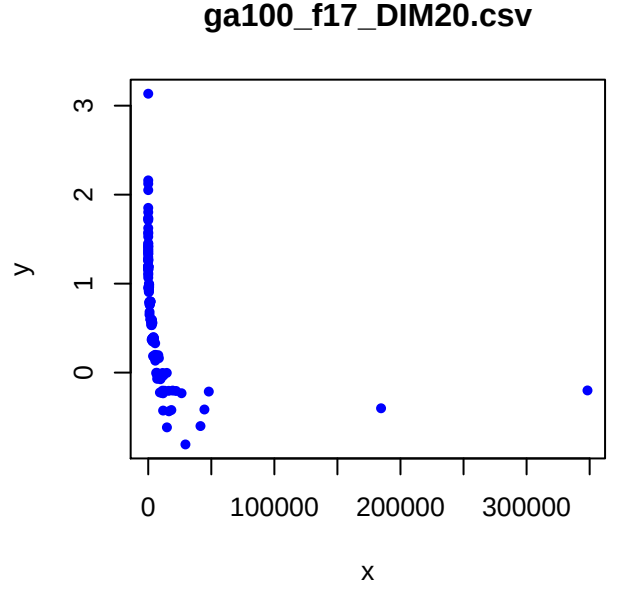
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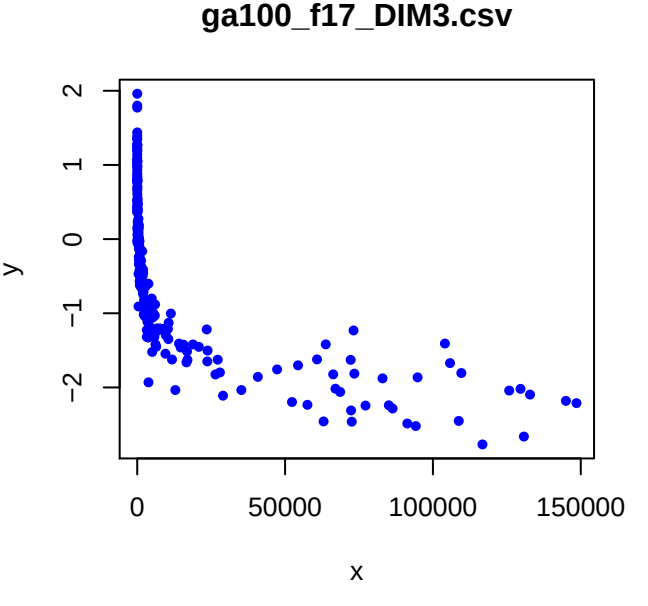
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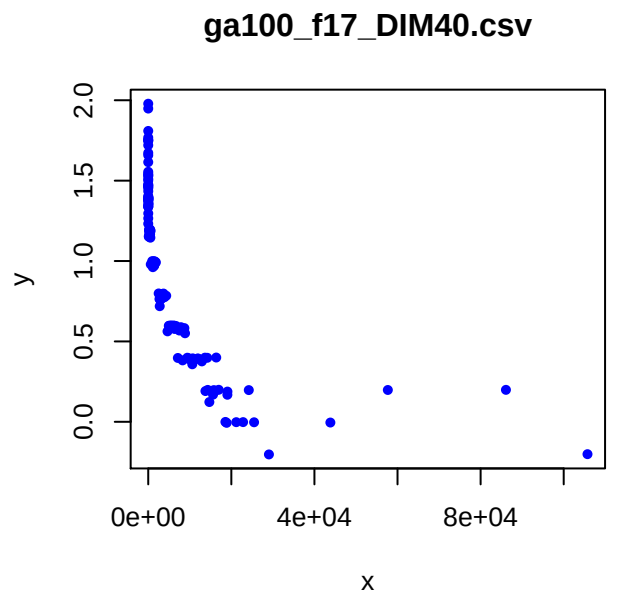
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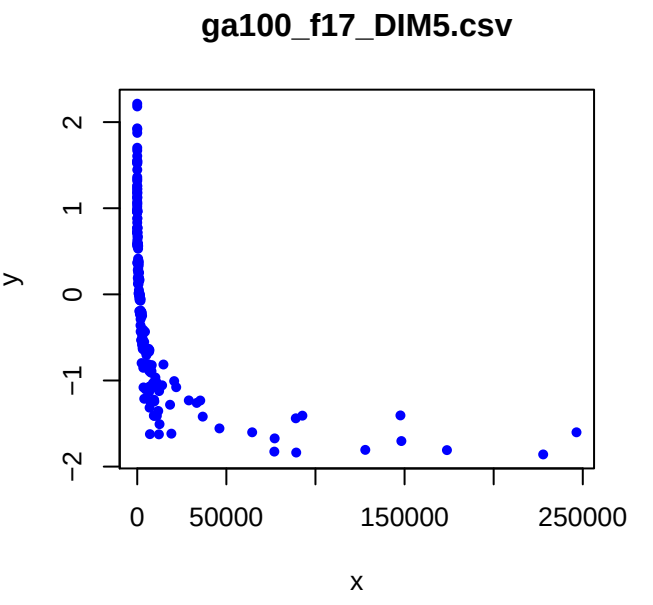
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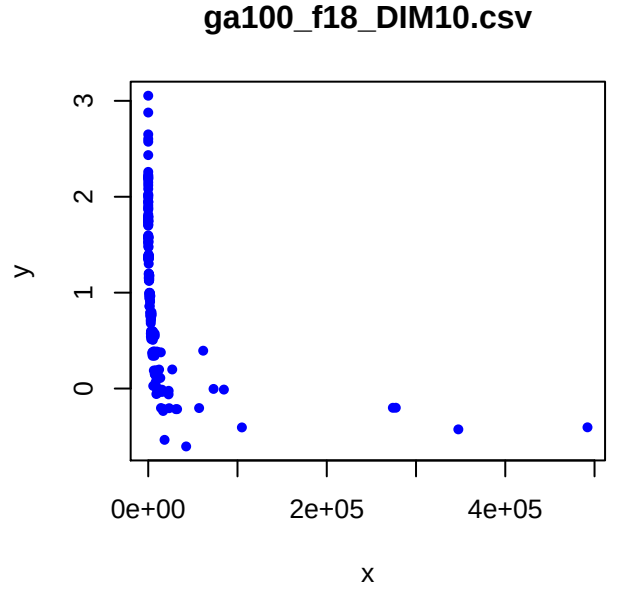
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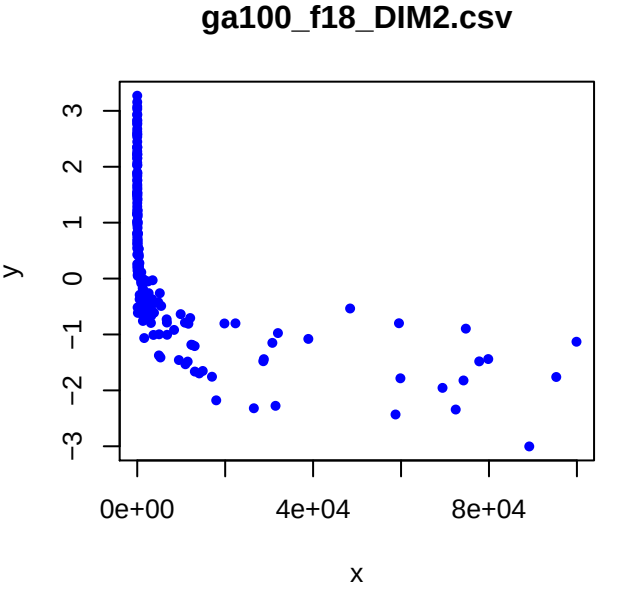
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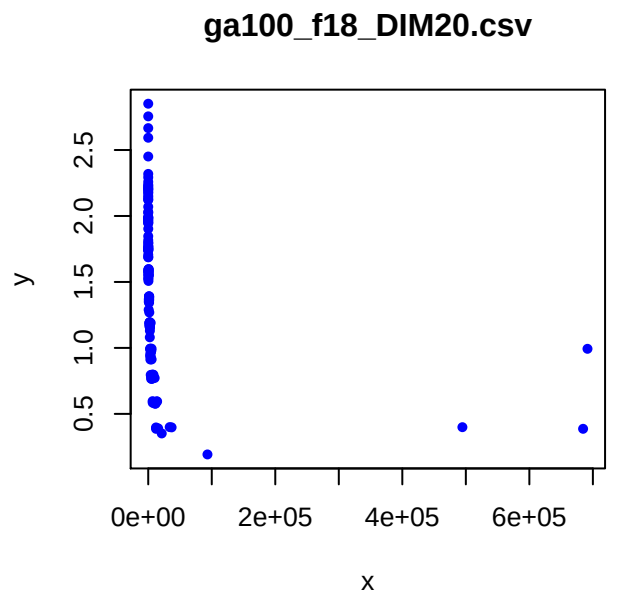
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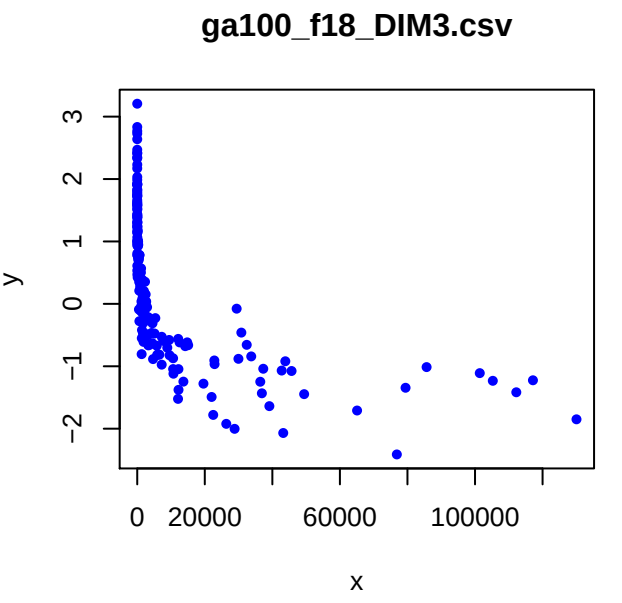
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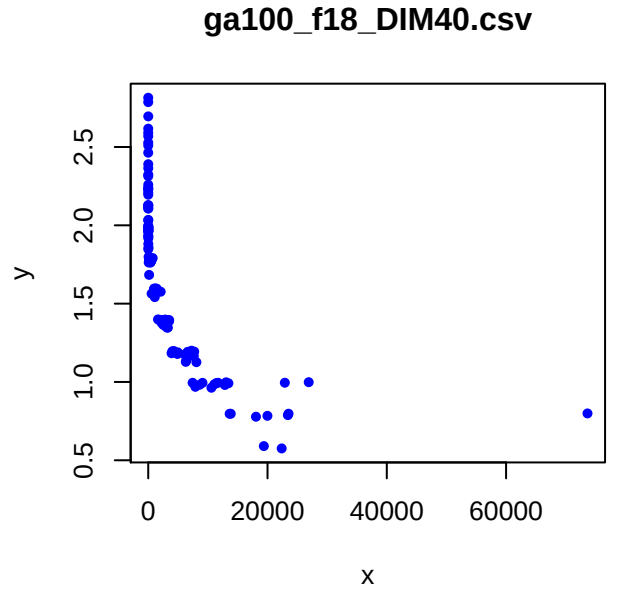
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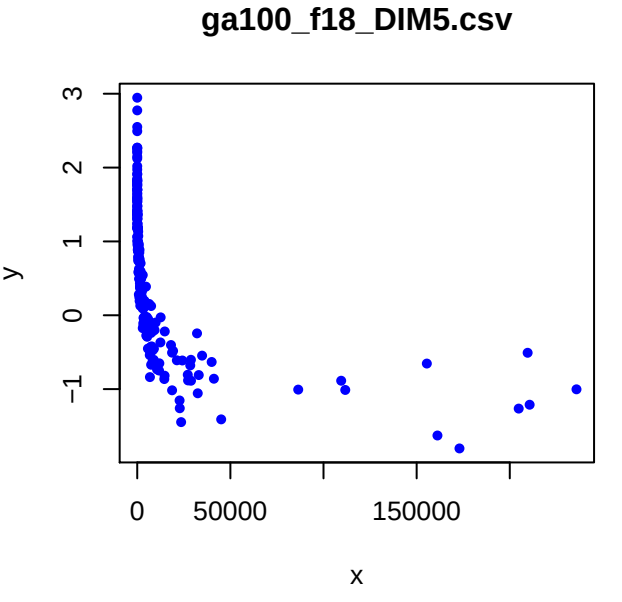
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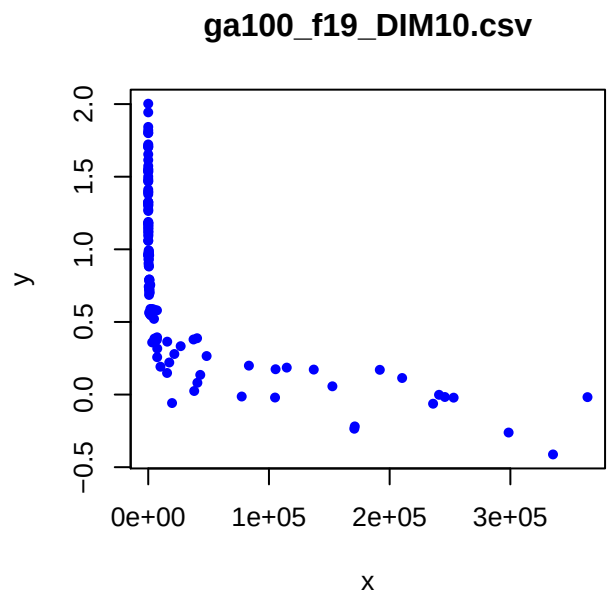
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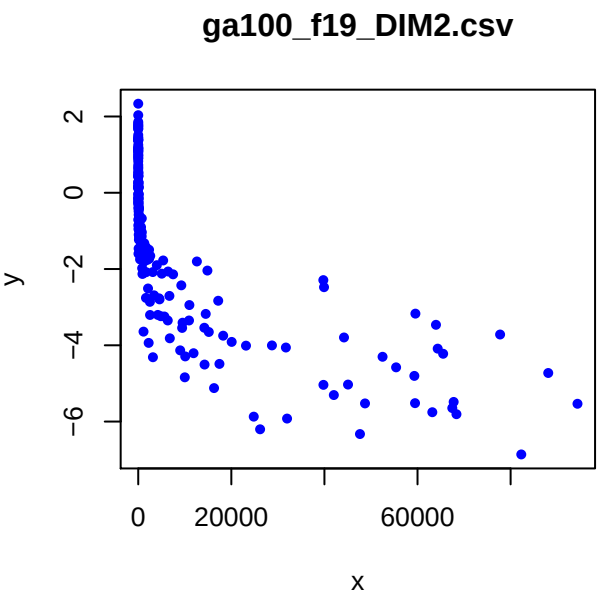
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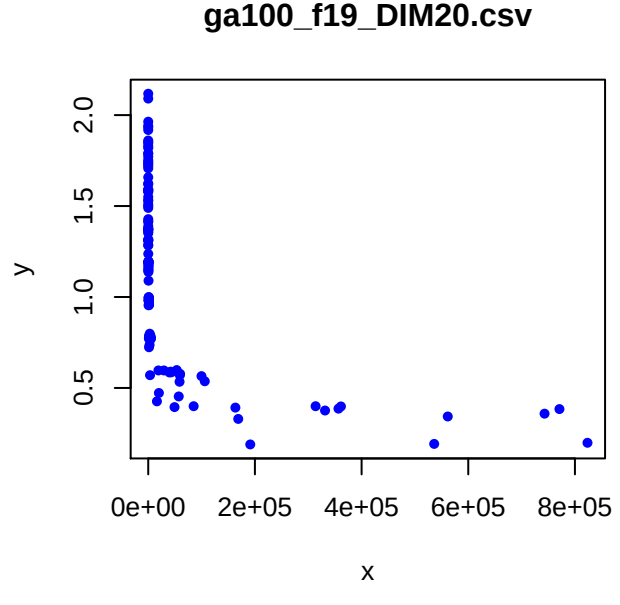
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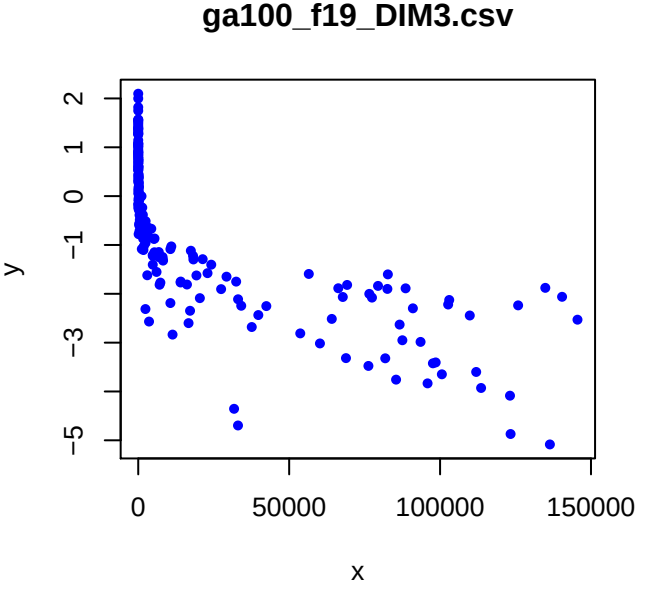
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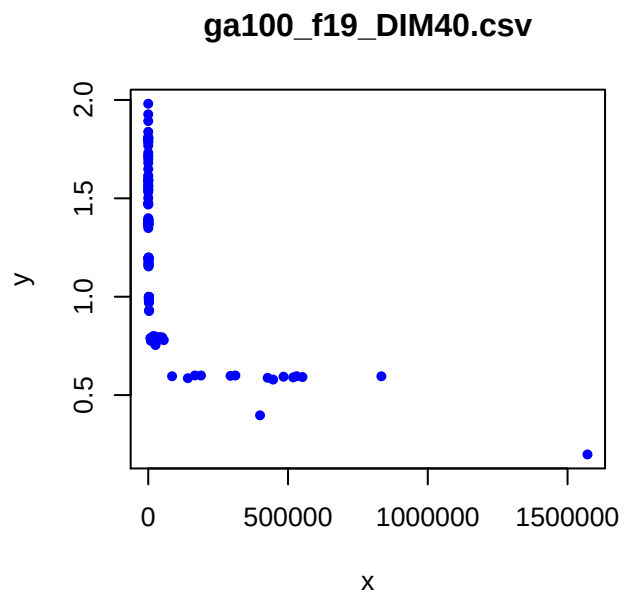
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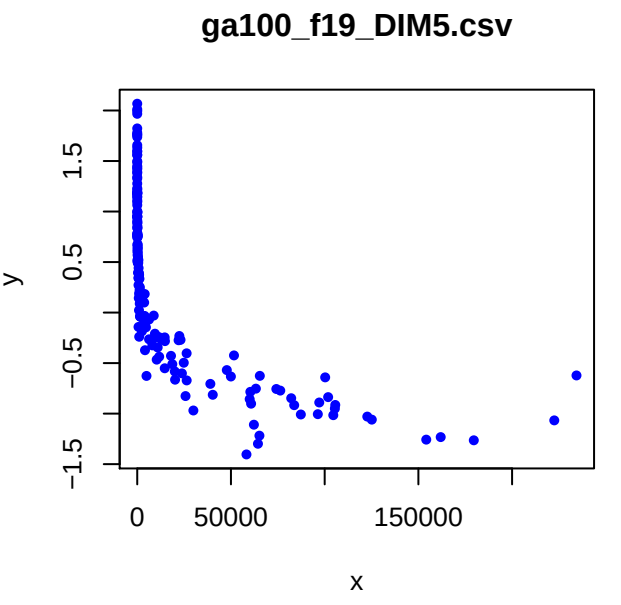
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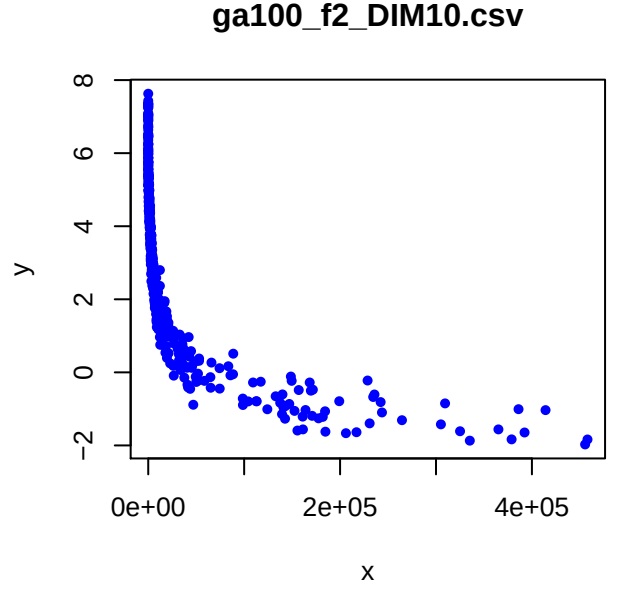
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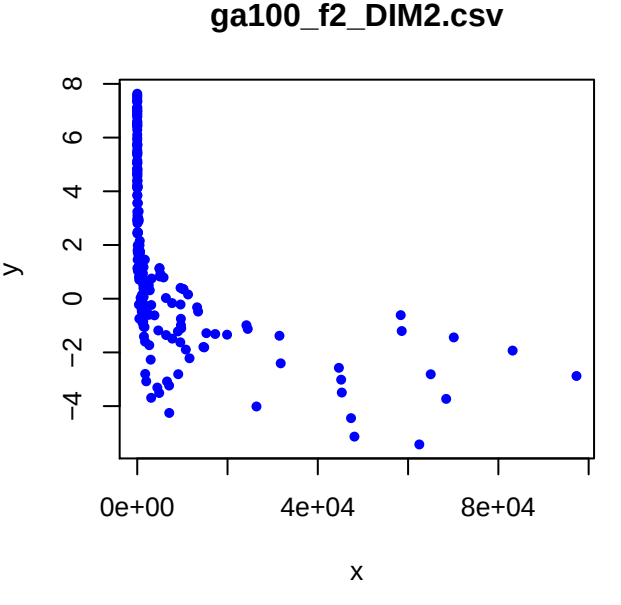
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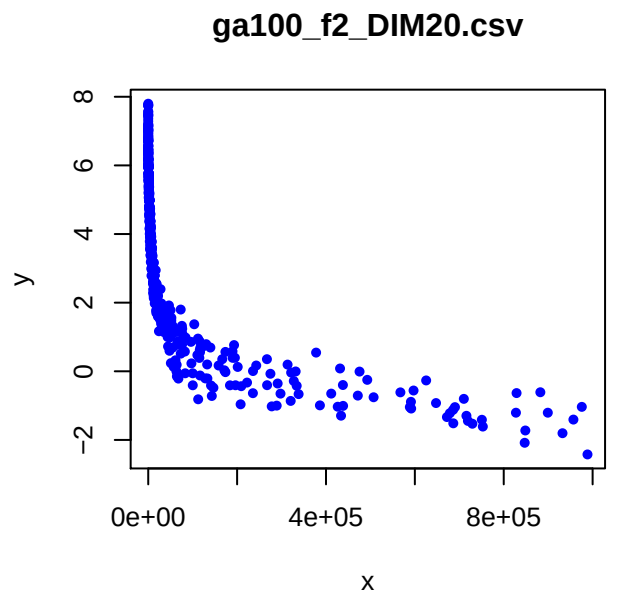
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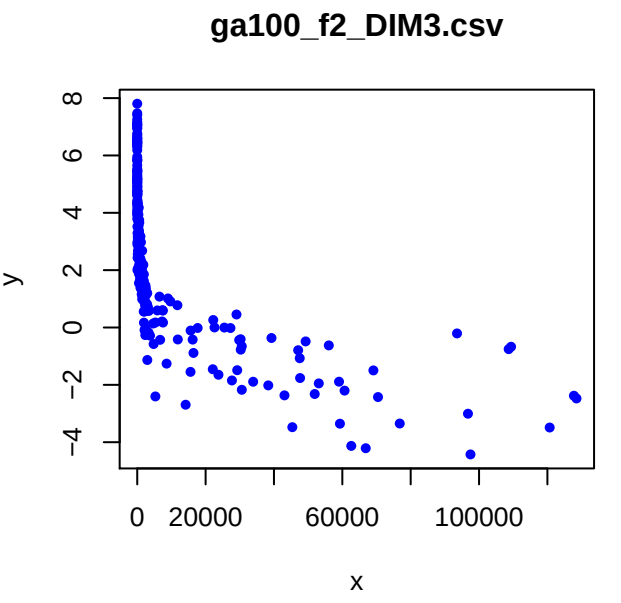
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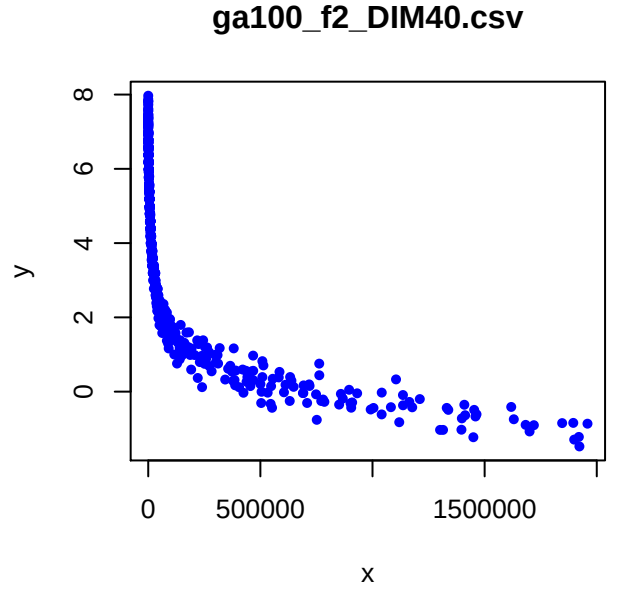
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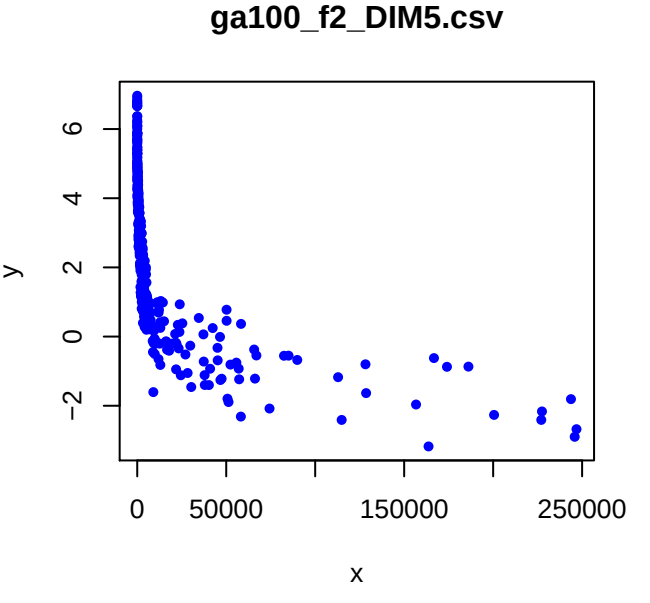
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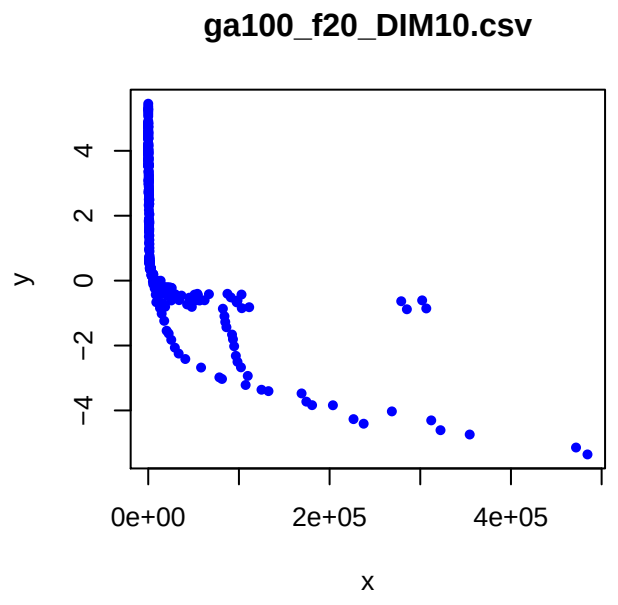
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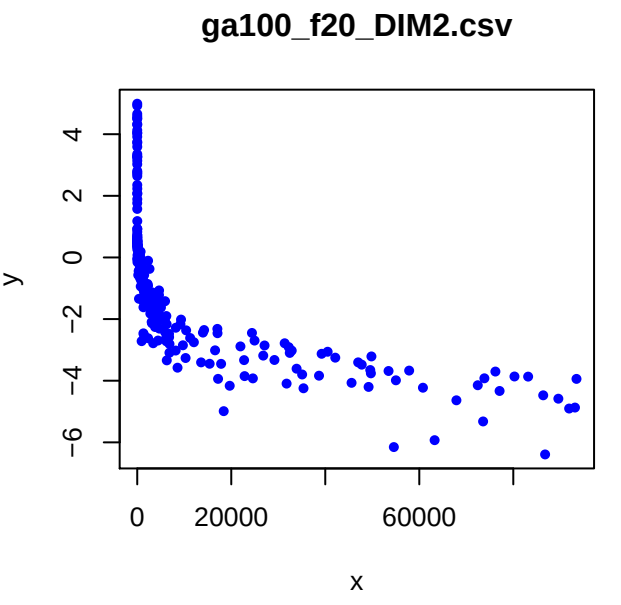
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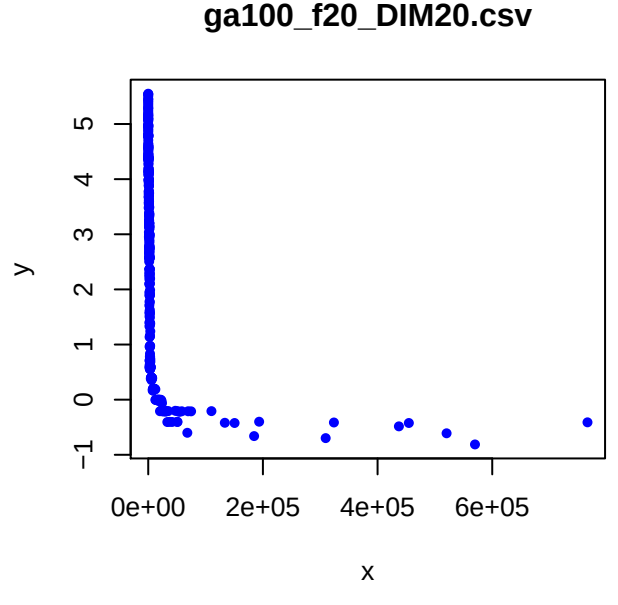
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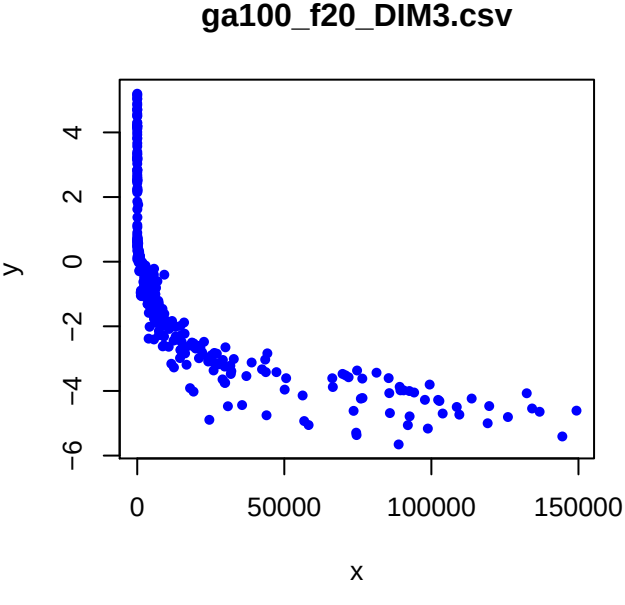
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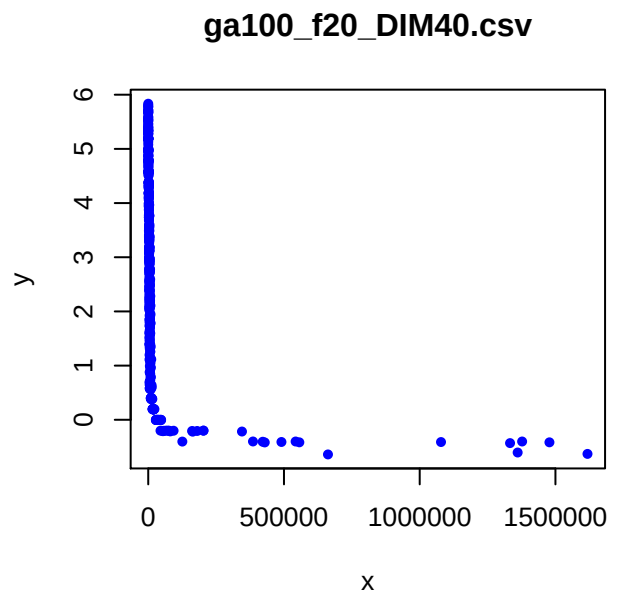
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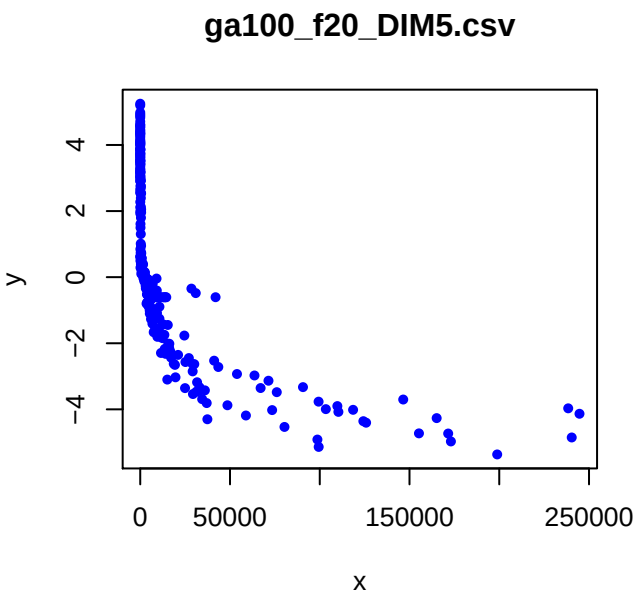
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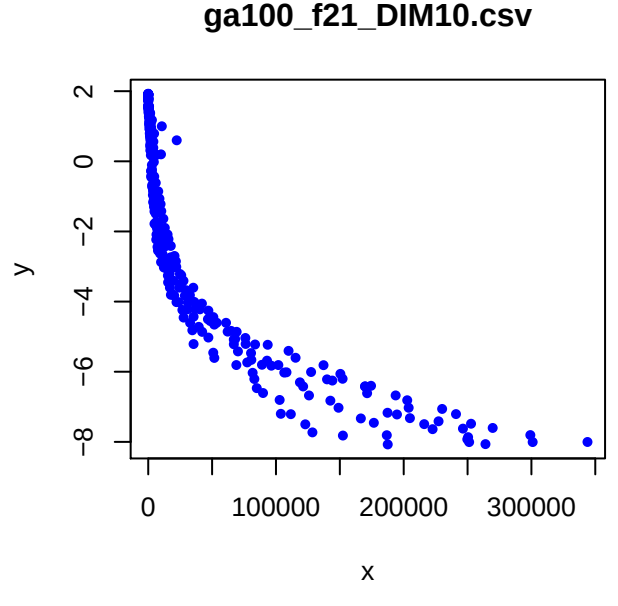
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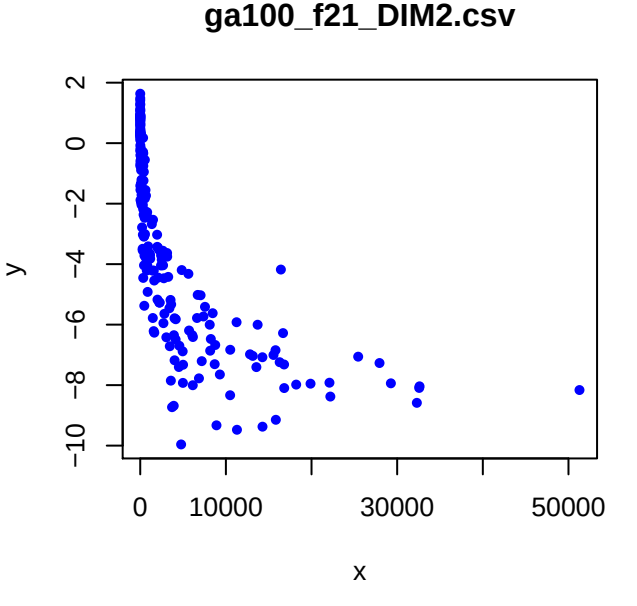
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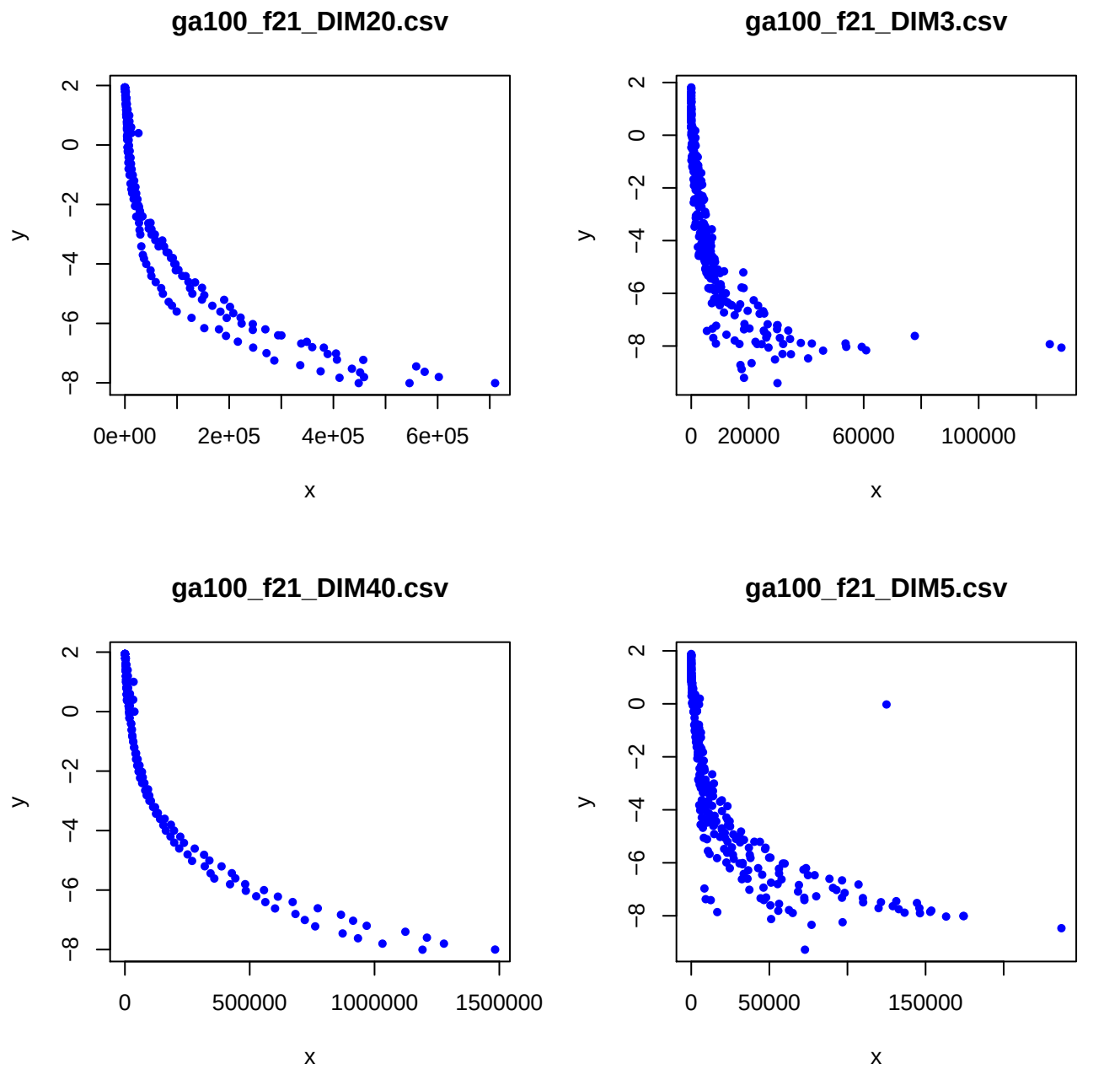
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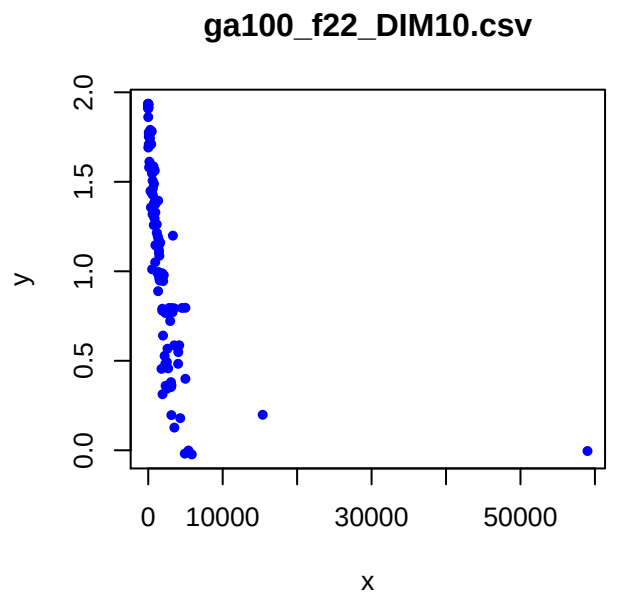
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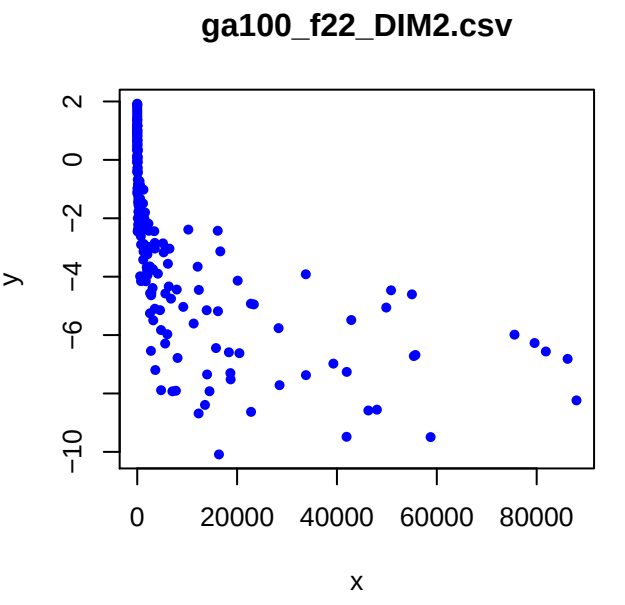
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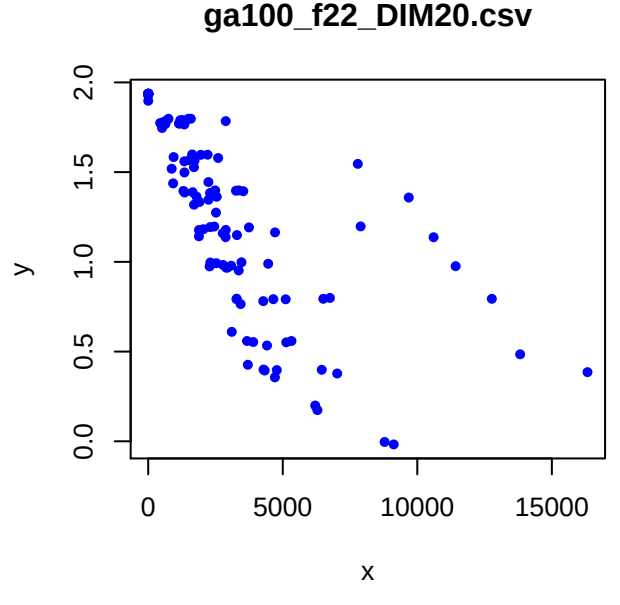
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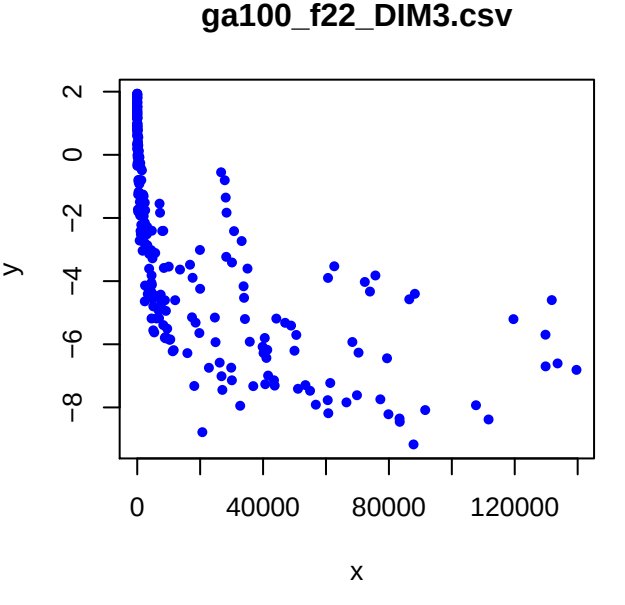
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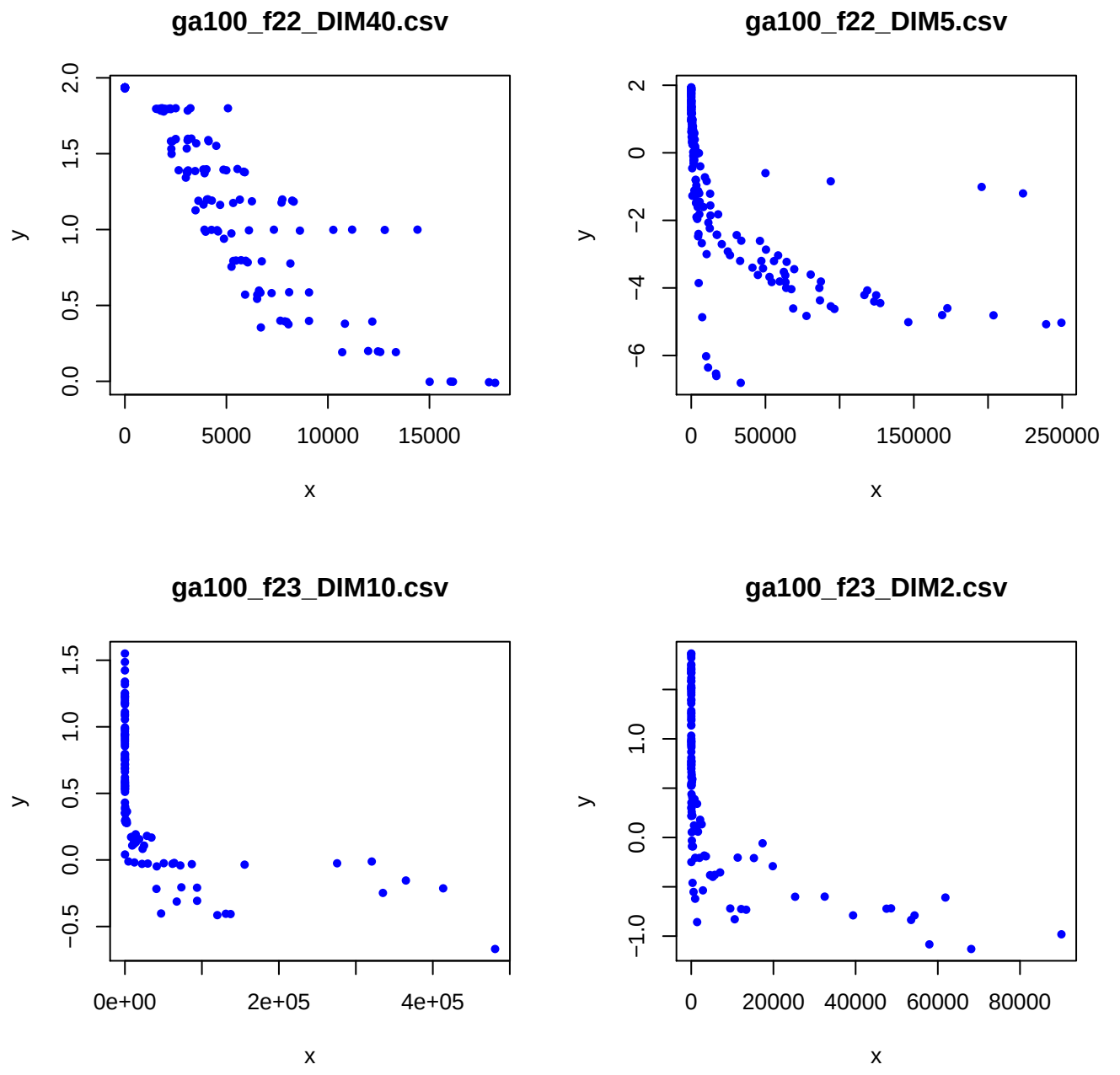
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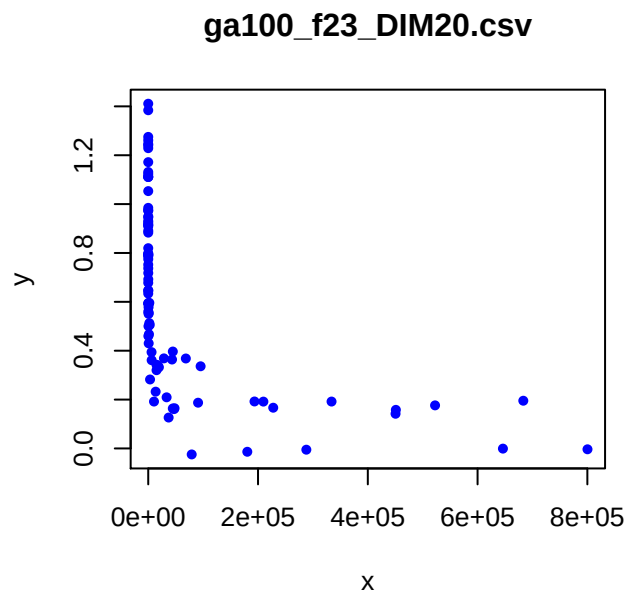
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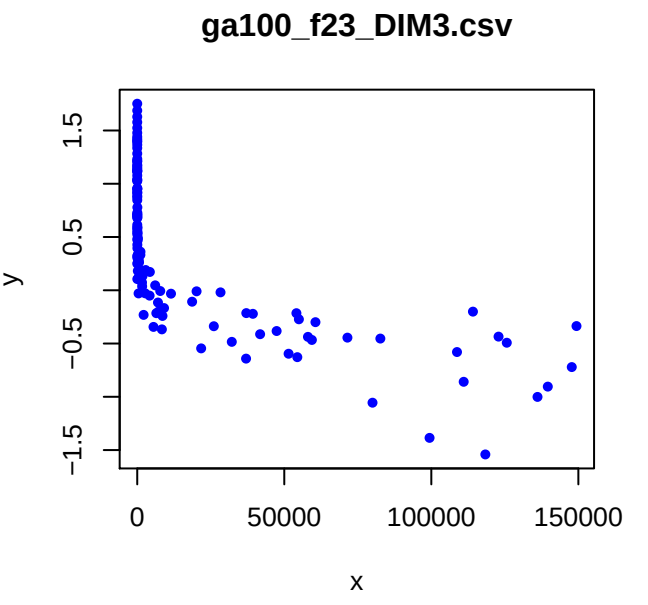
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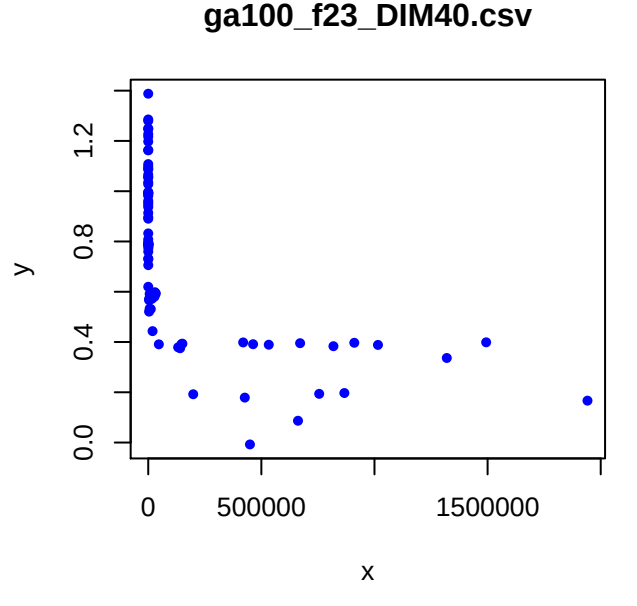
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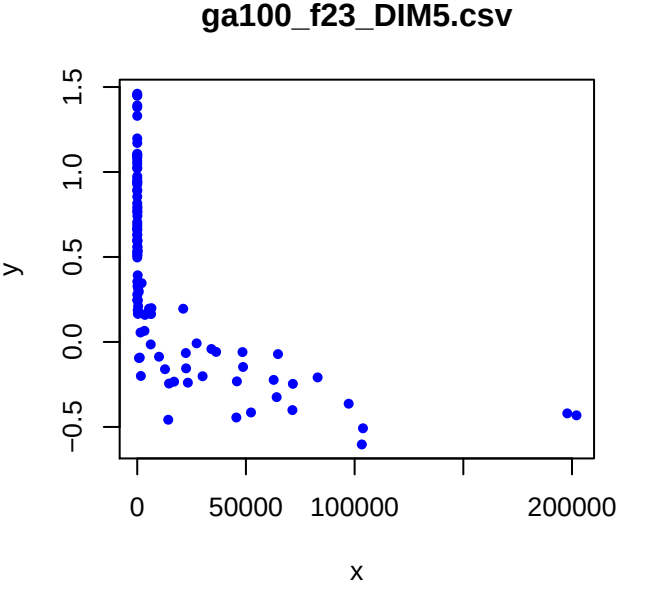
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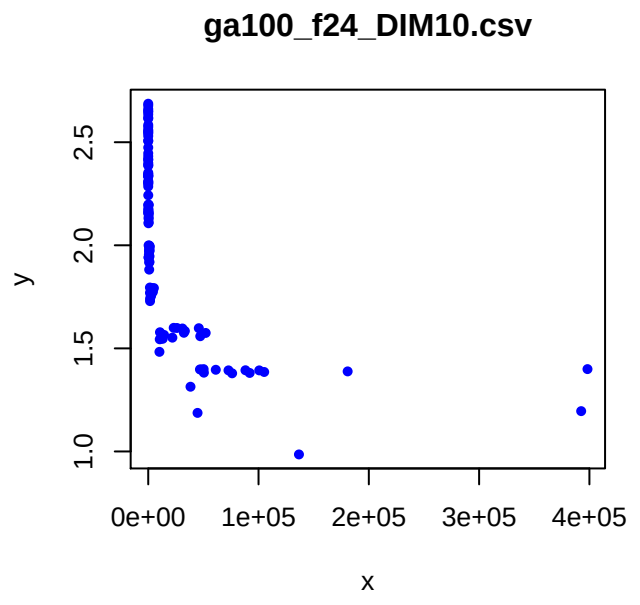
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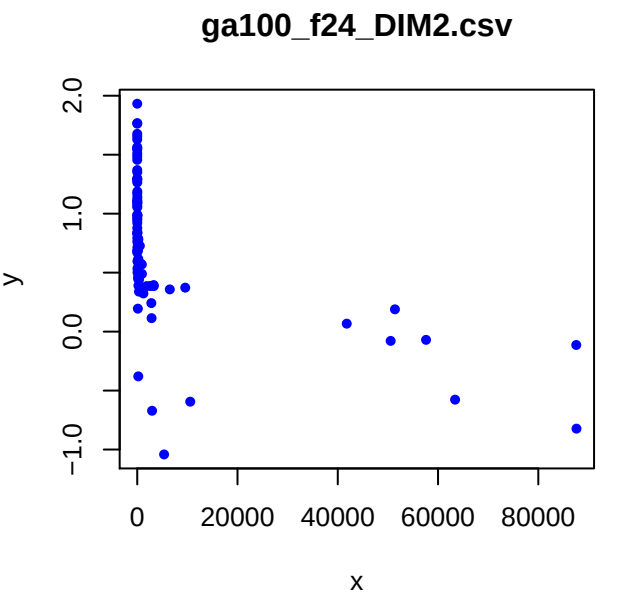
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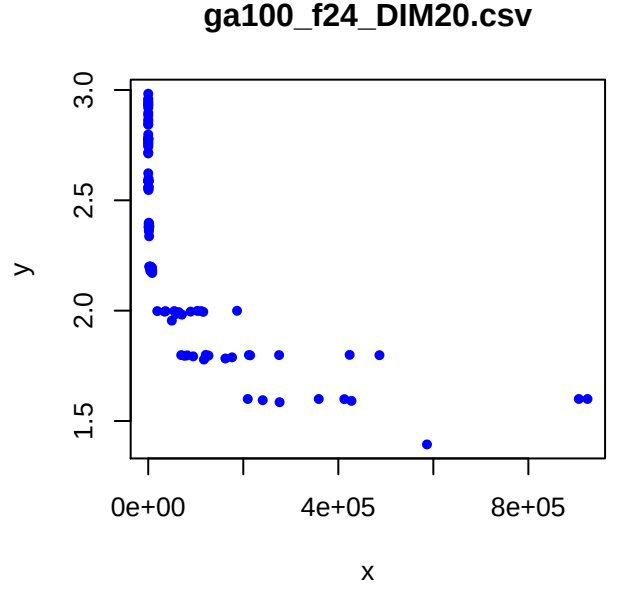
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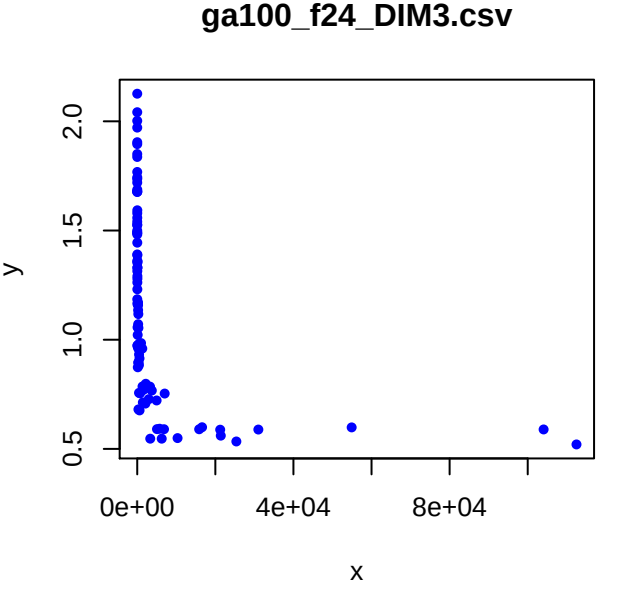
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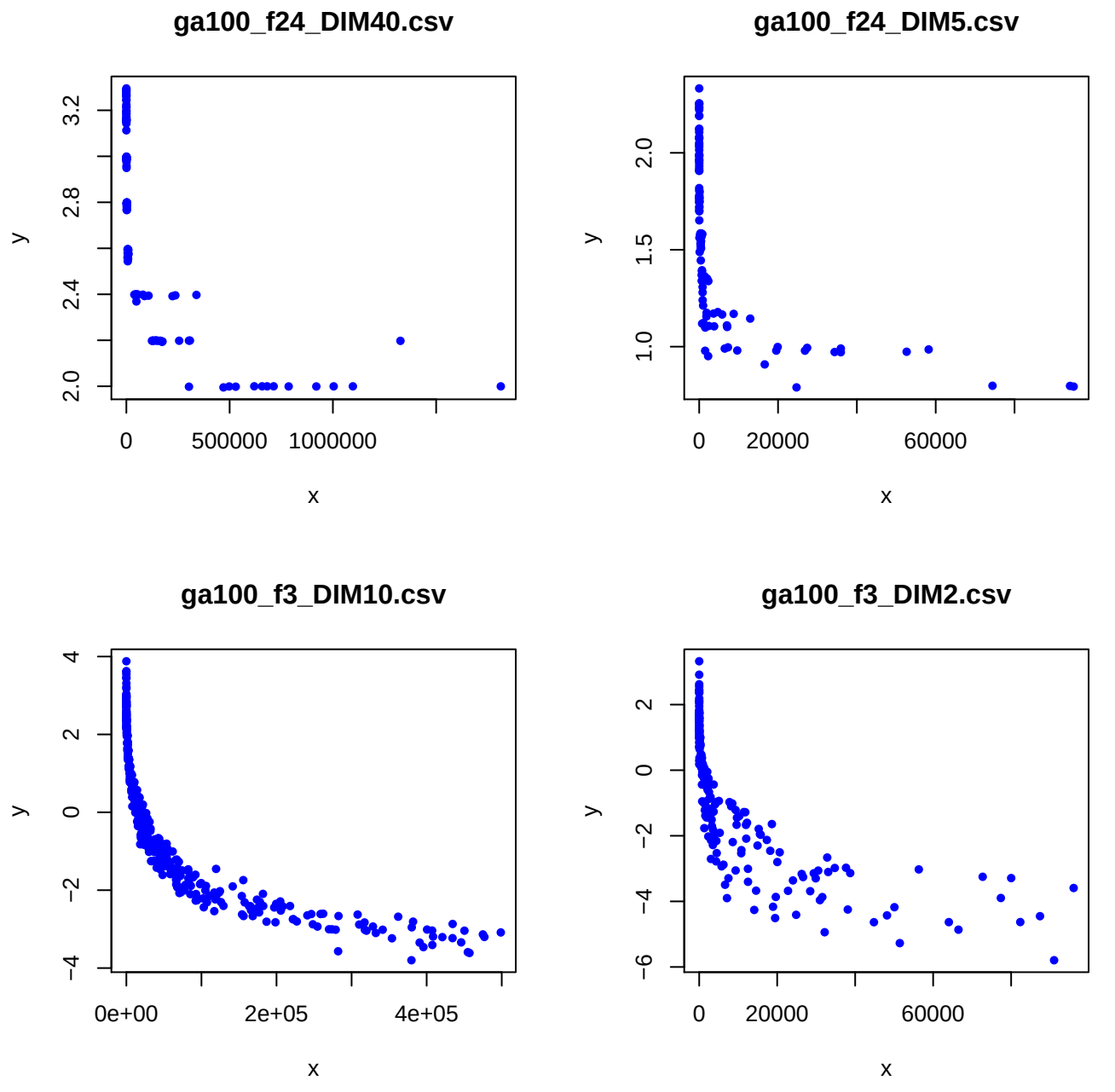
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x
ga100_f24_DIM5.csv
y
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1.5
1.0
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x
ga100_f3_DIM10.csv
y
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ga100_f3_DIM2.csv
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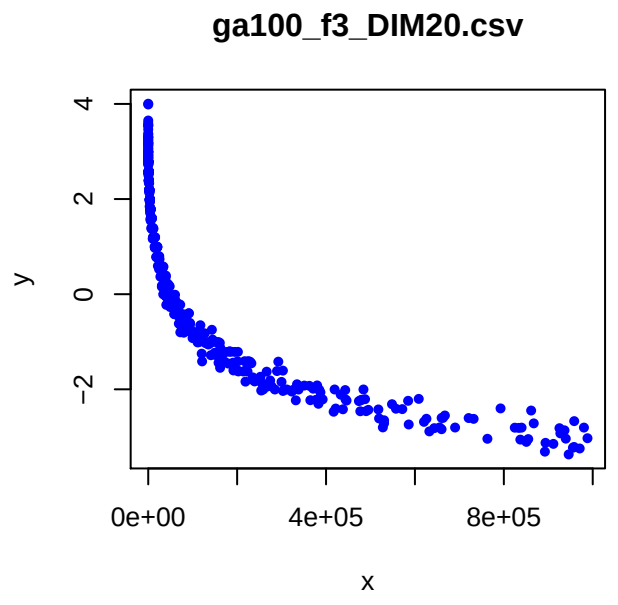
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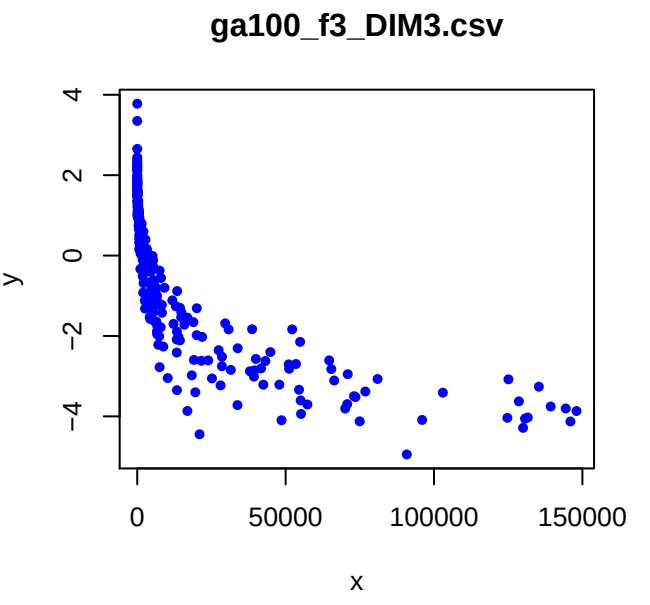
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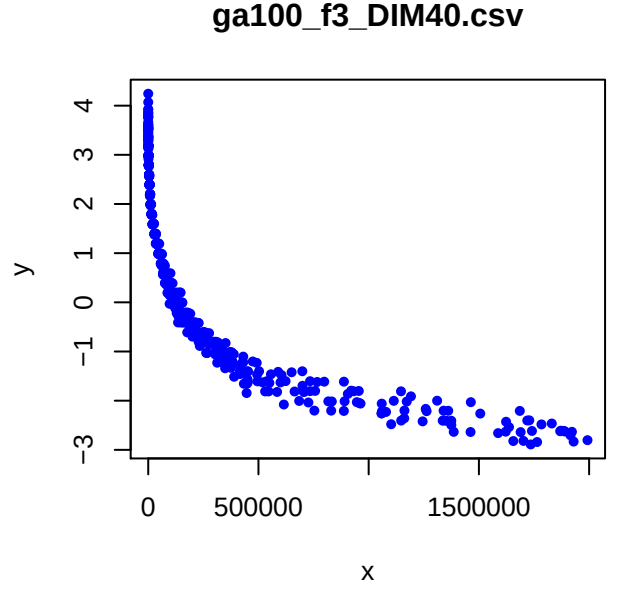
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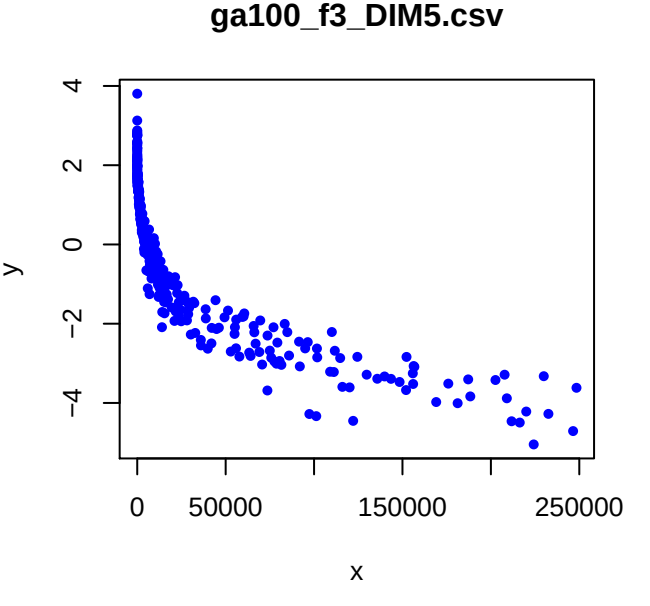
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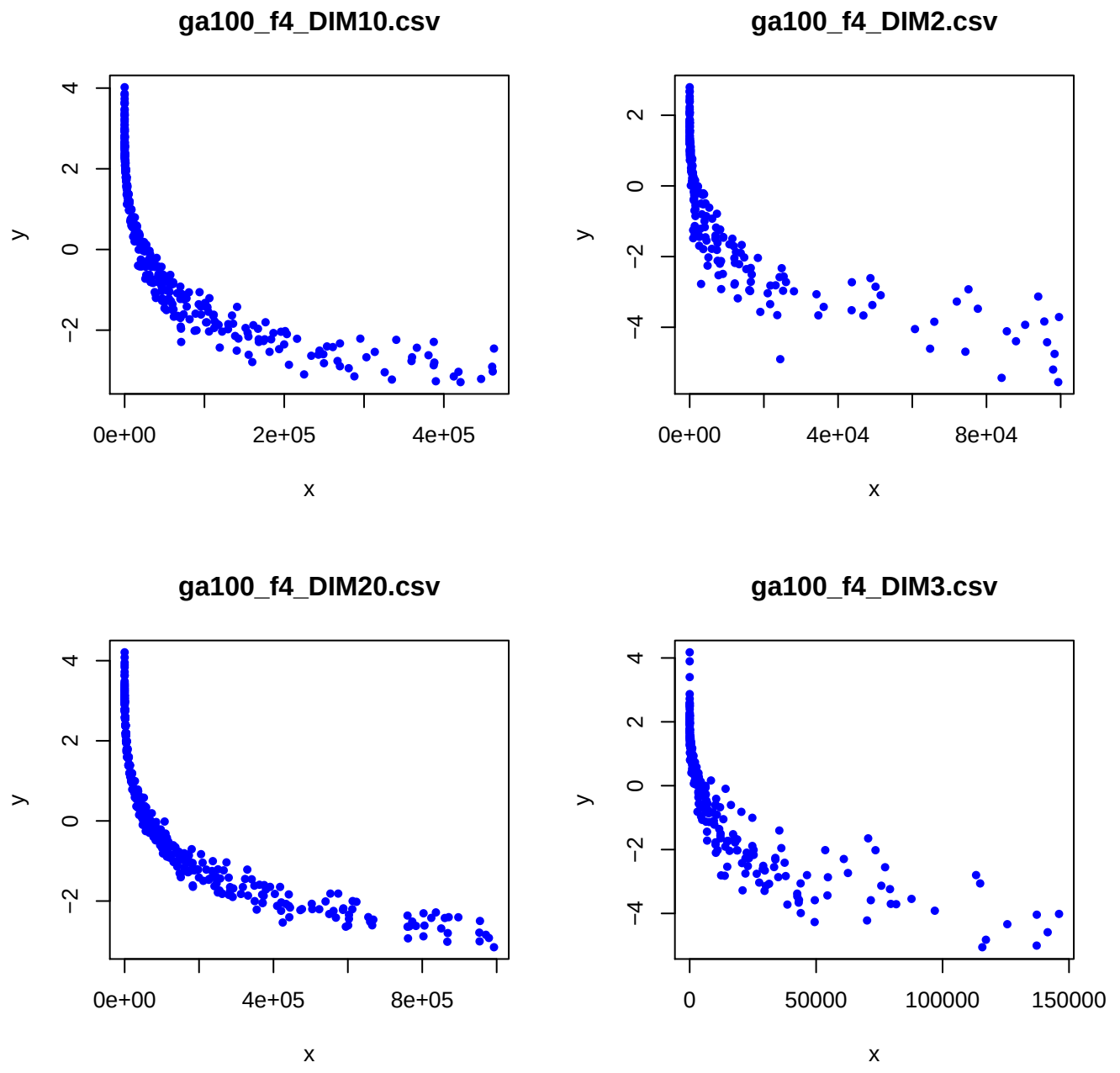
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ga100_f4_DIM2.csv
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−4
0e+00
4e+04
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x
ga100_f4_DIM20.csv
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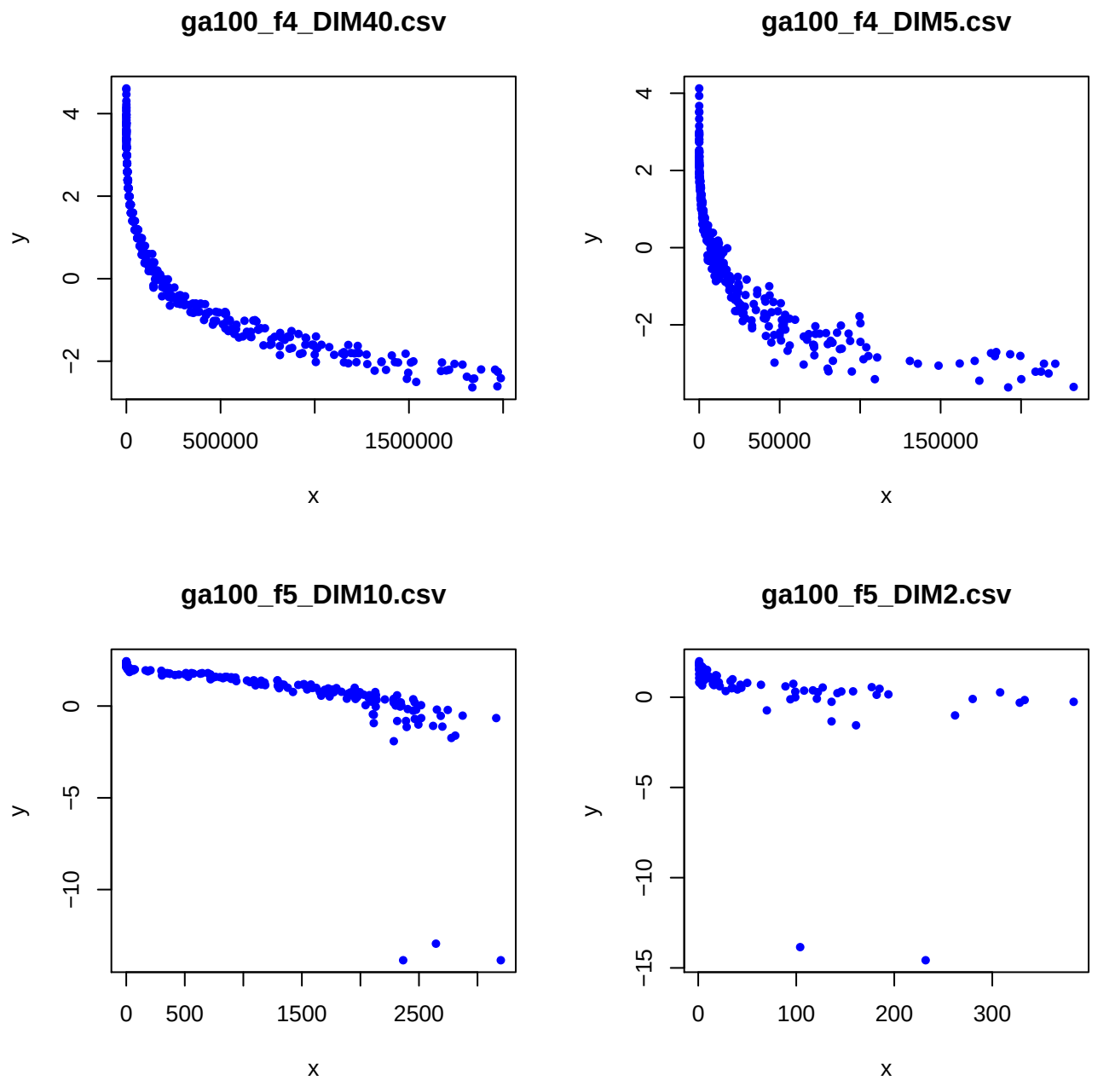
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ga100_f5_DIM10.csv
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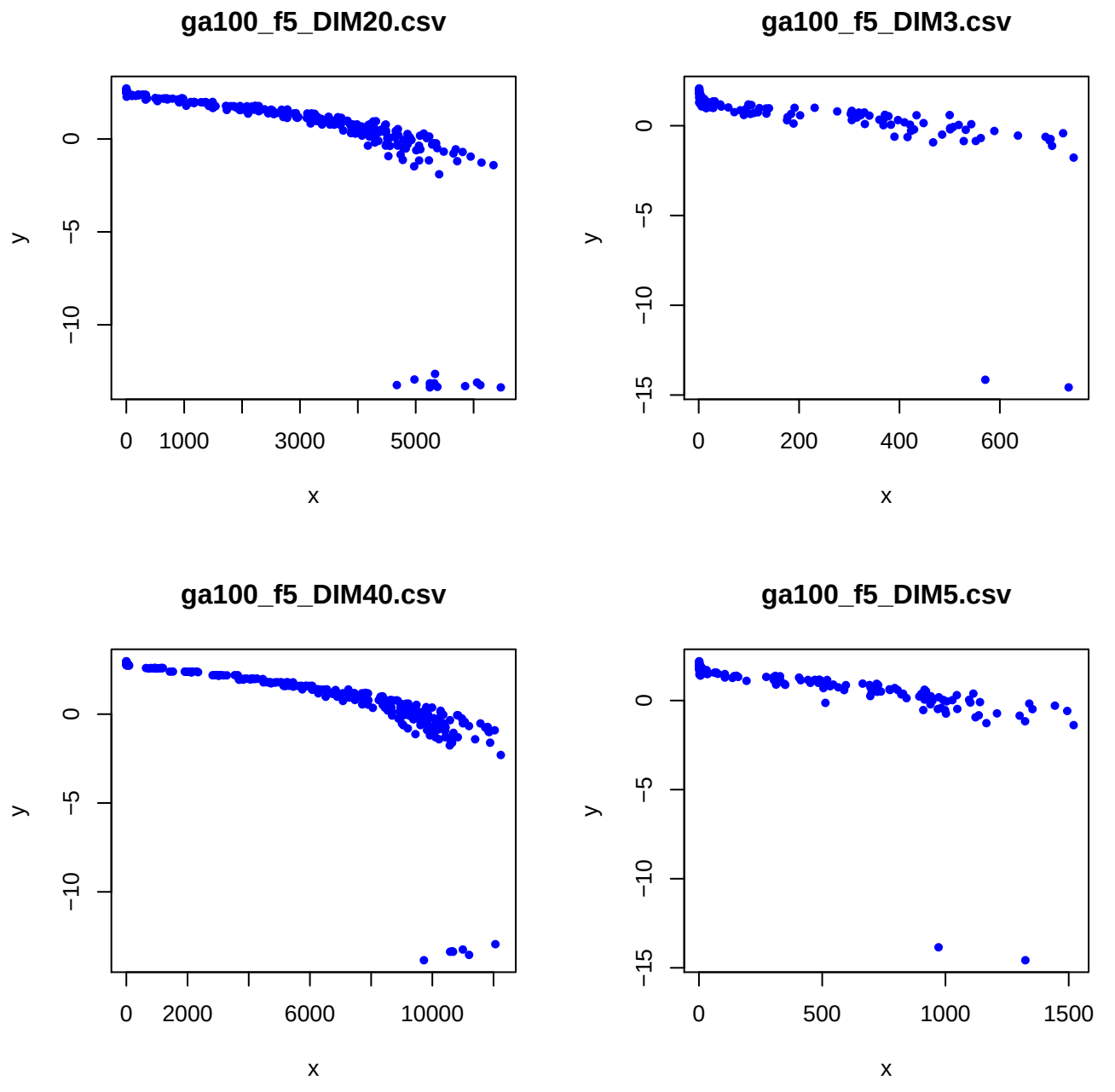
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400
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ga100_f5_DIM40.csv
y
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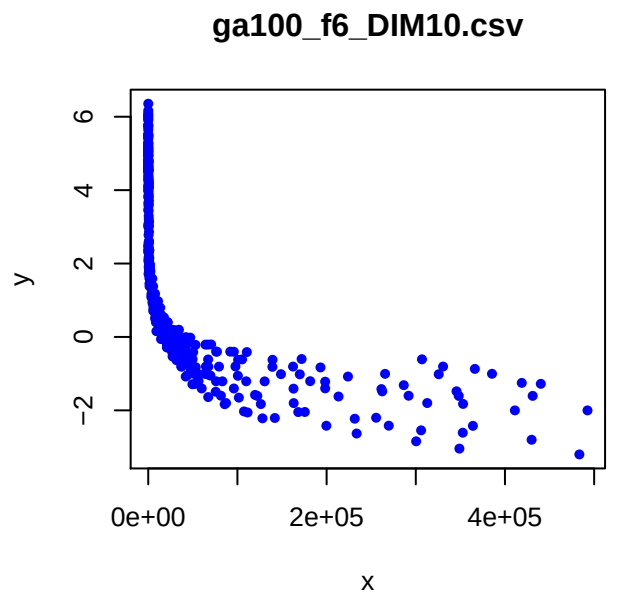
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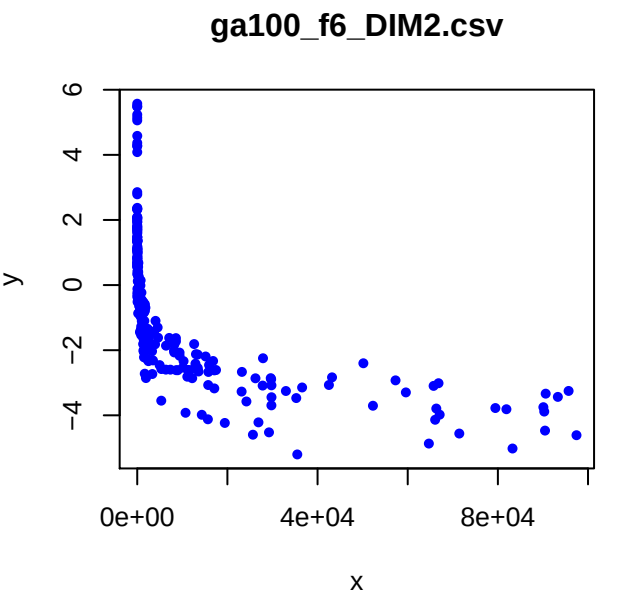
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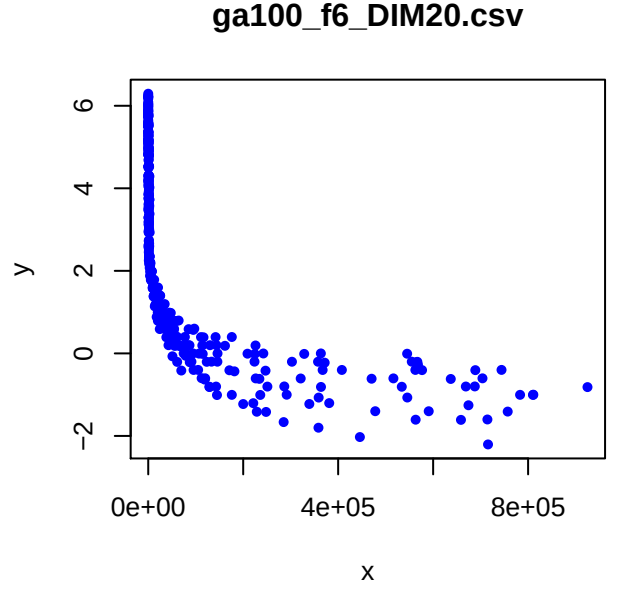
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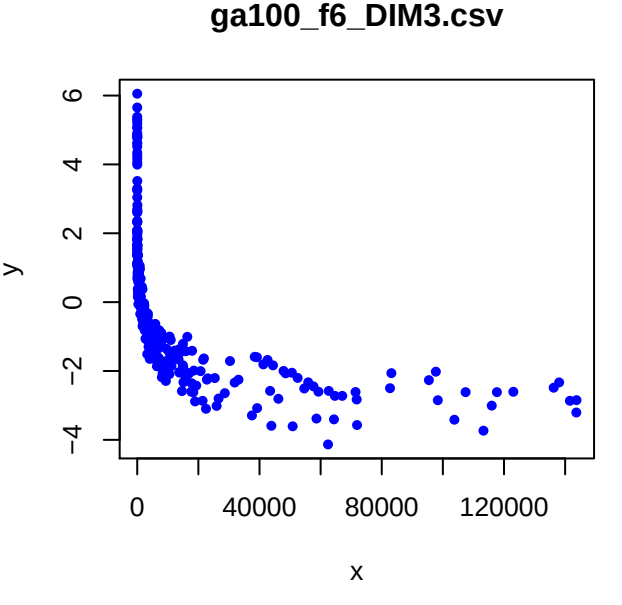
x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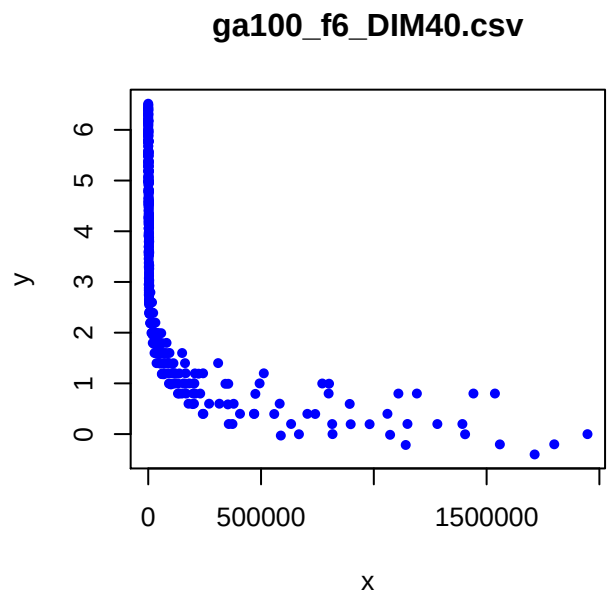
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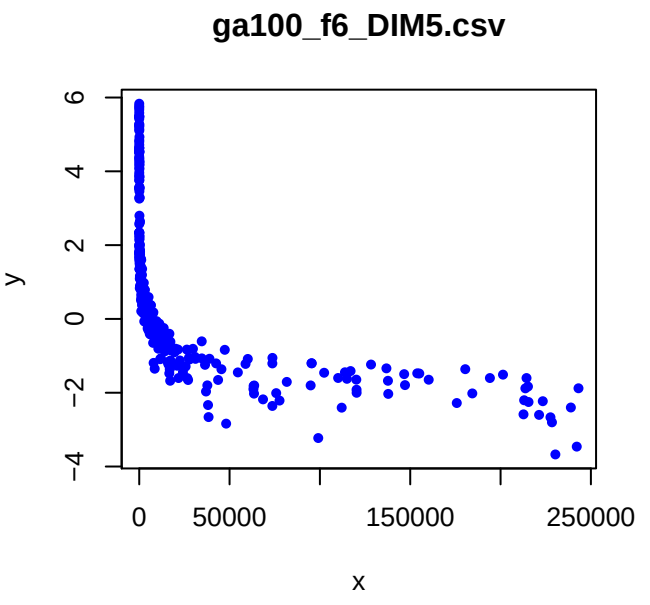
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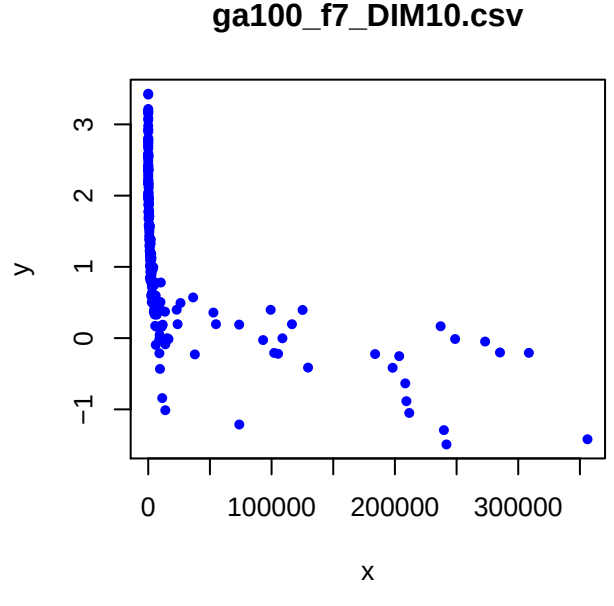
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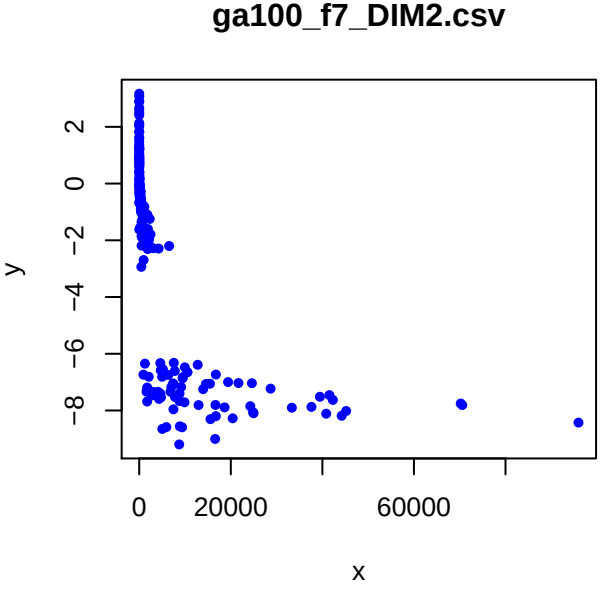
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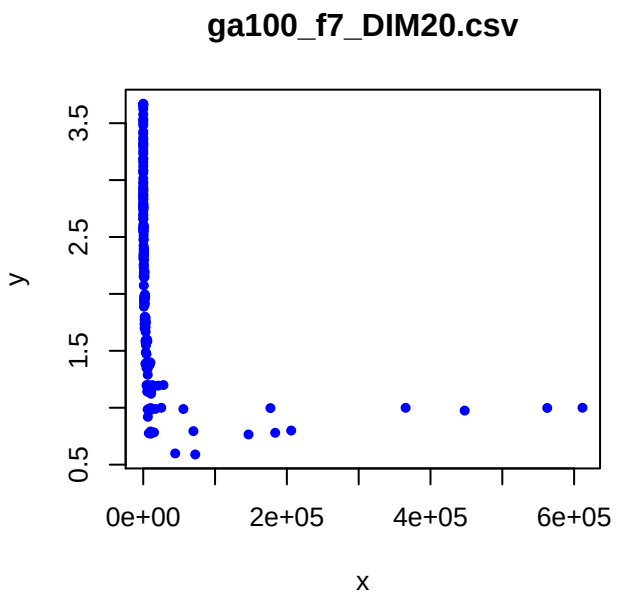
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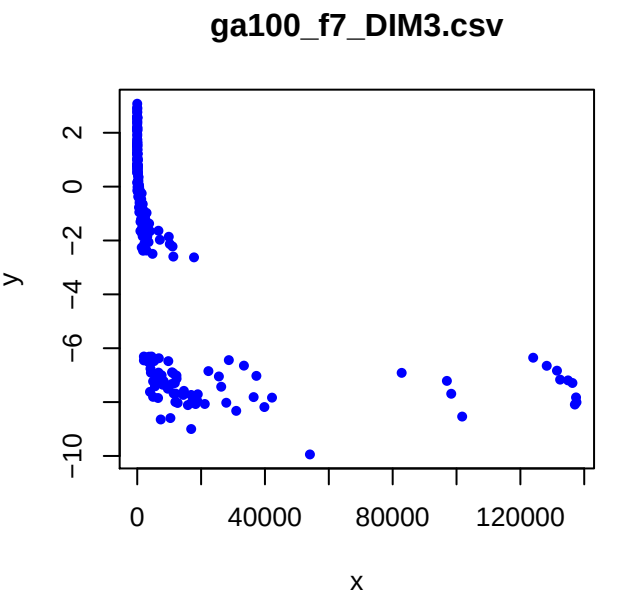
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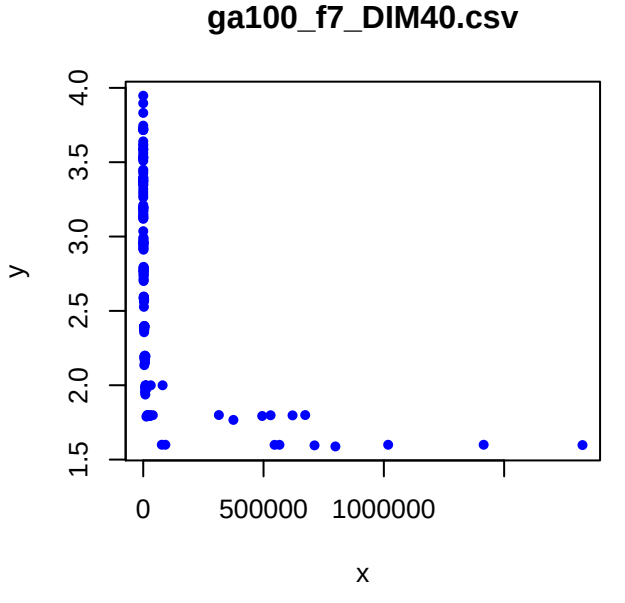
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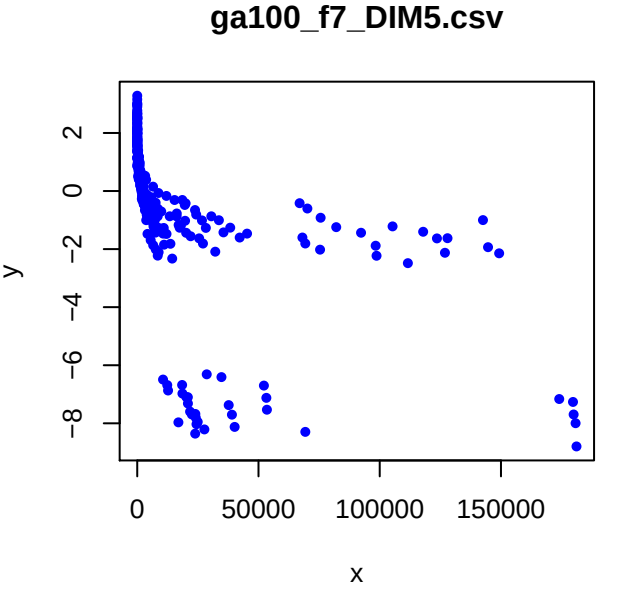
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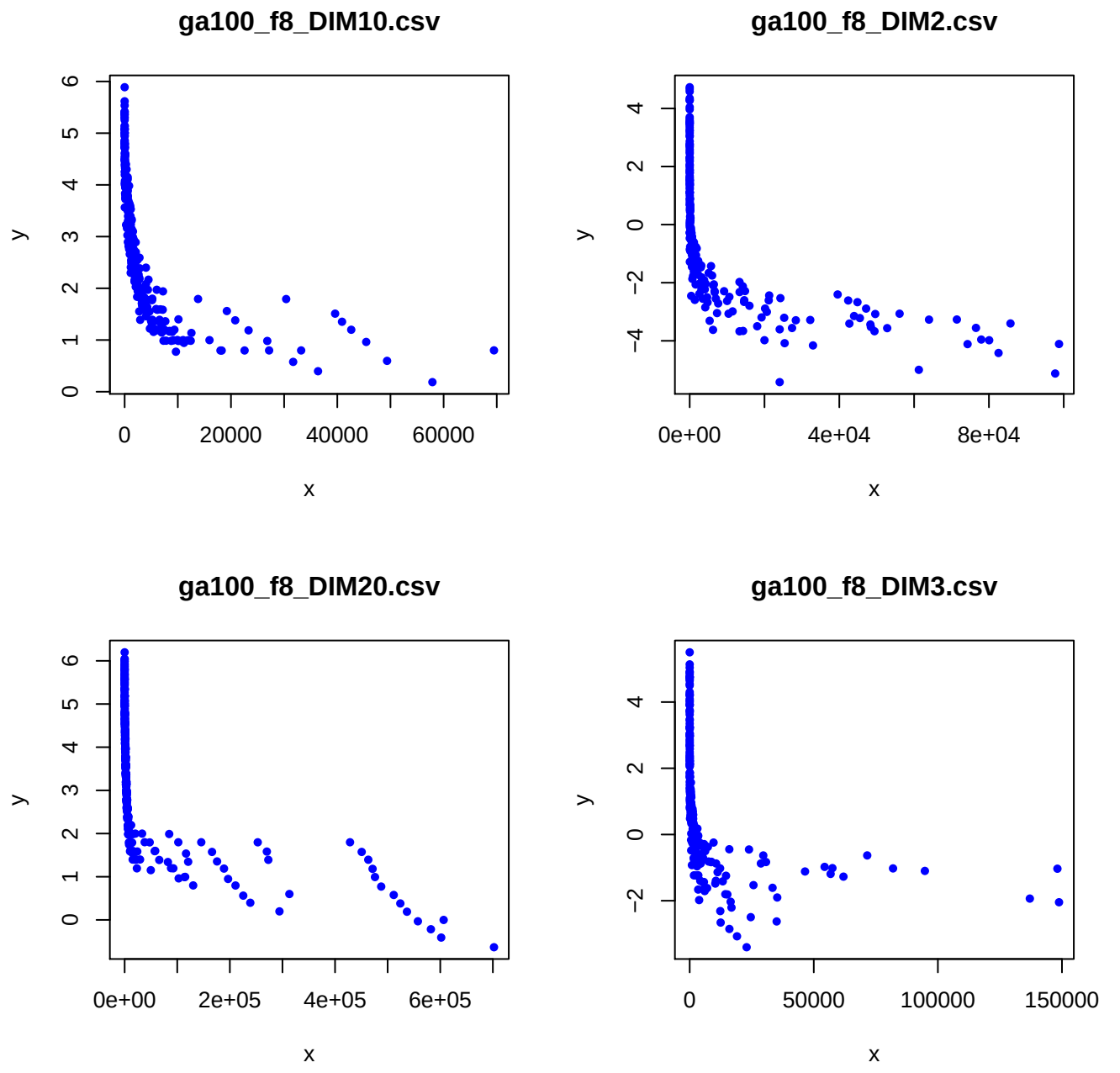
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ga100_f8_DIM2.csv
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ga100_f8_DIM20.csv
y
x
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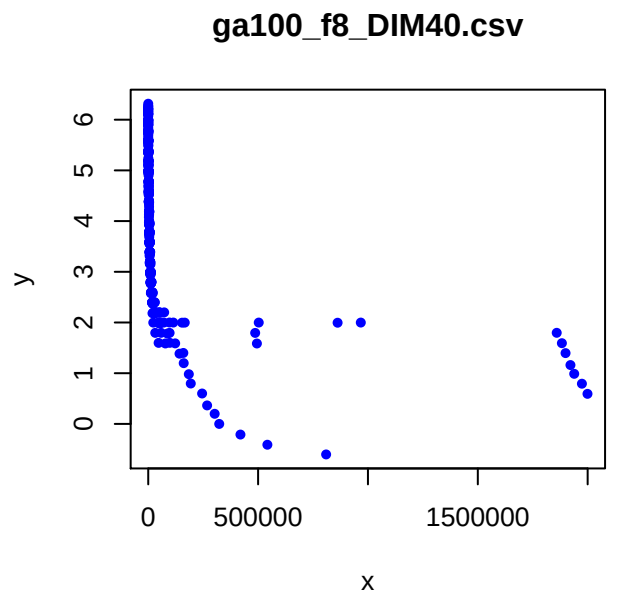
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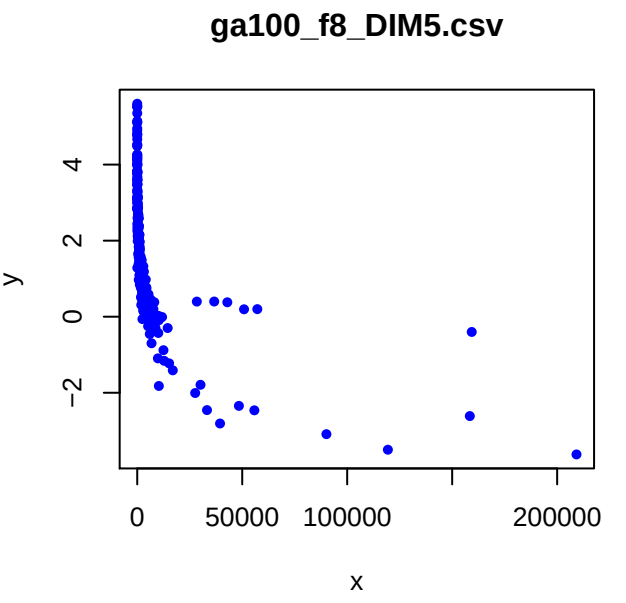
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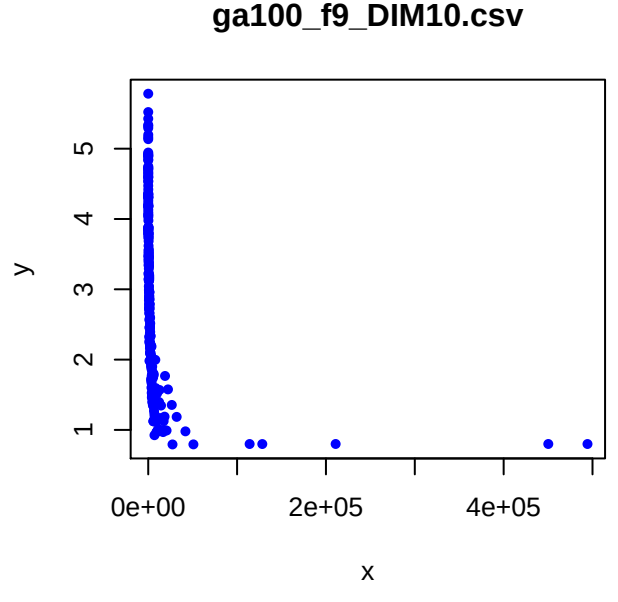
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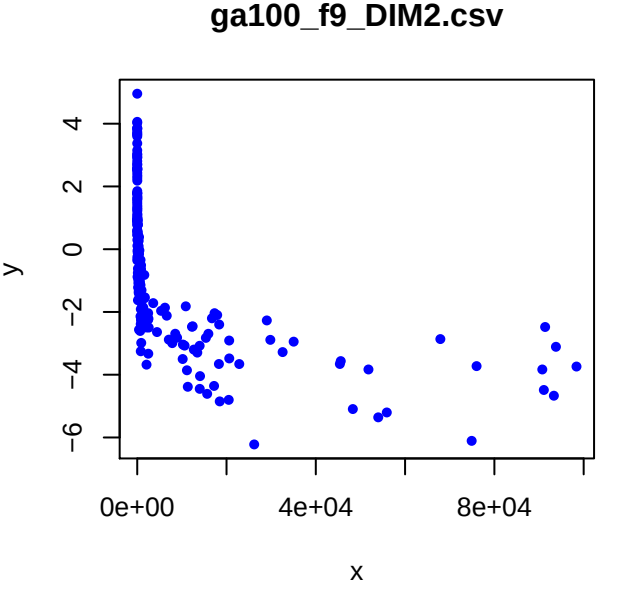
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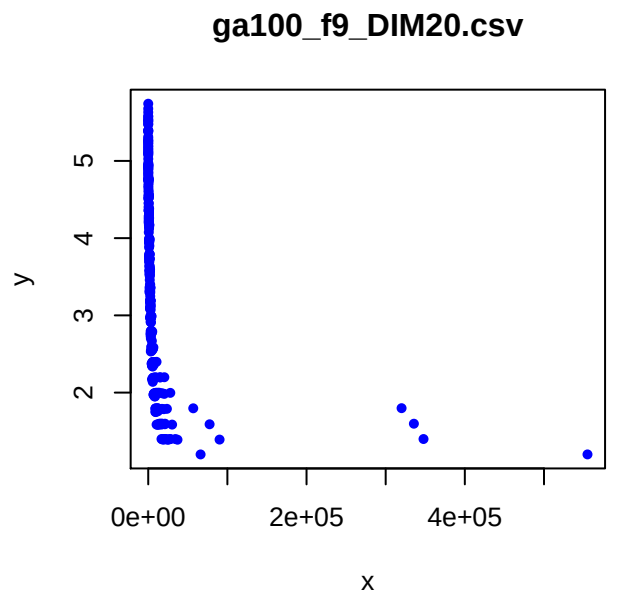
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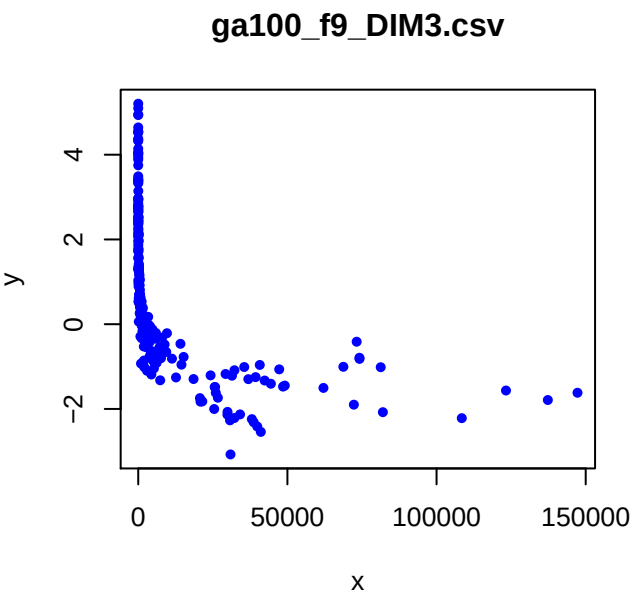
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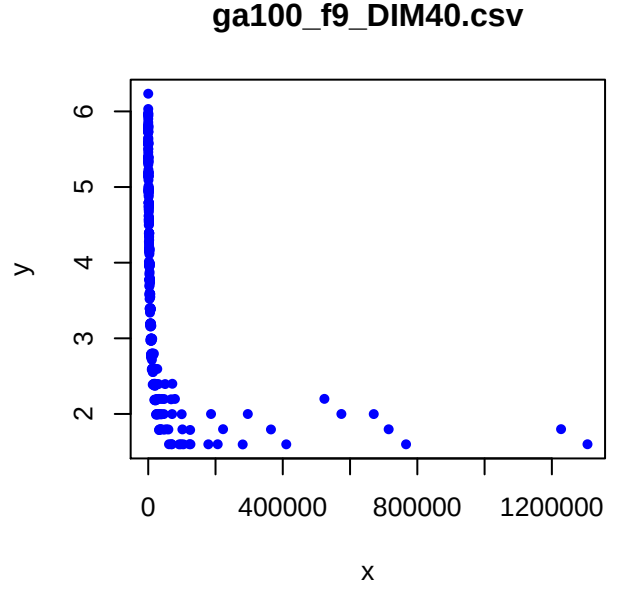
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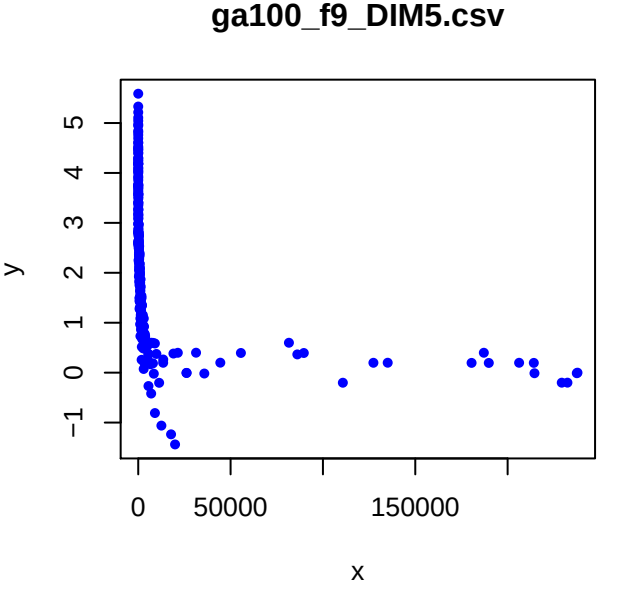
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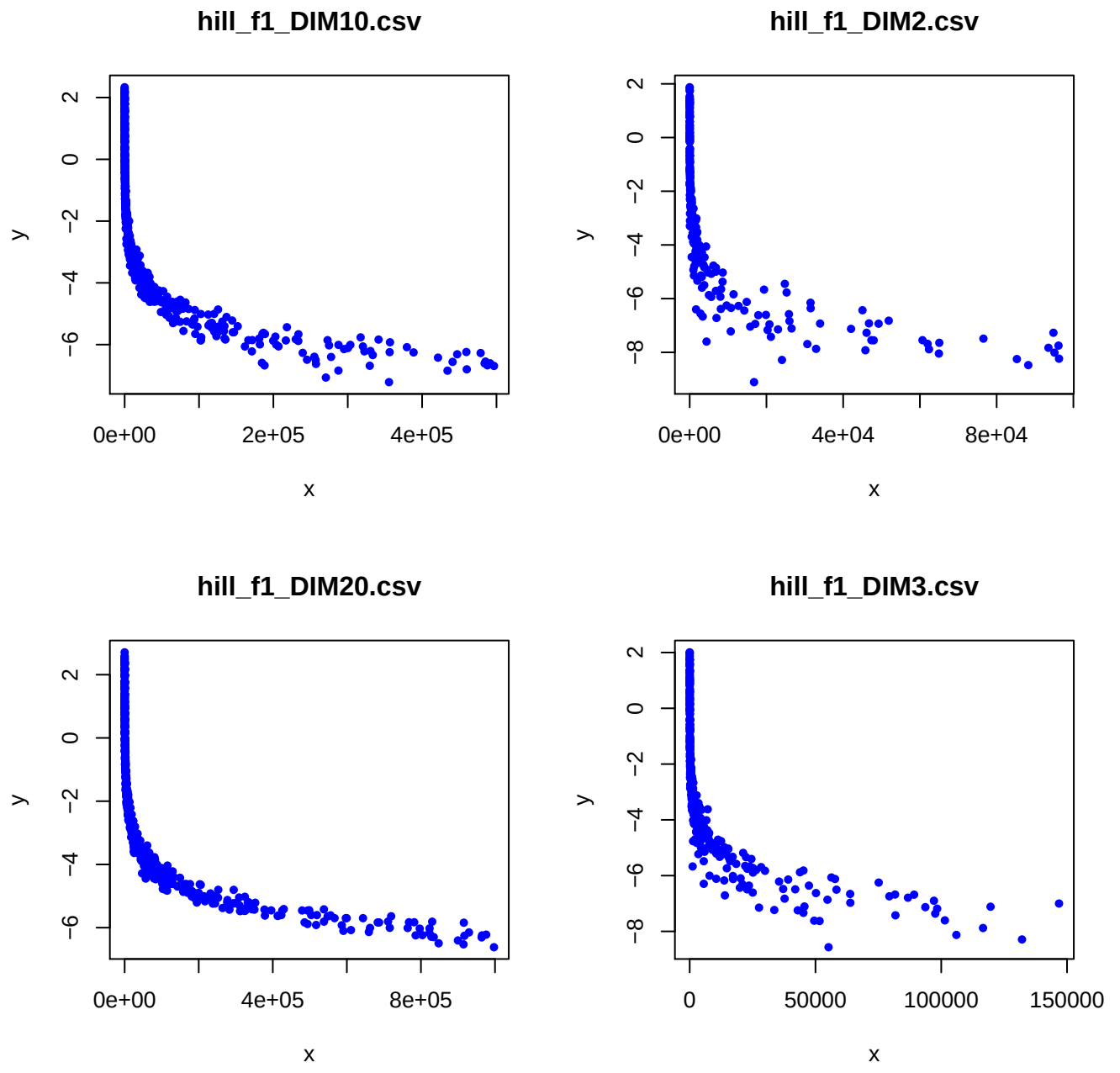
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hill_f1_DIM2.csv
y
x
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−2
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hill_f1_DIM20.csv
y
x
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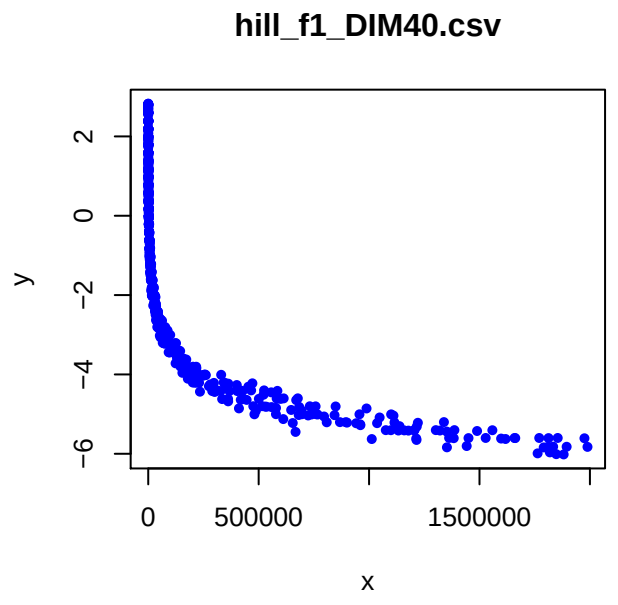
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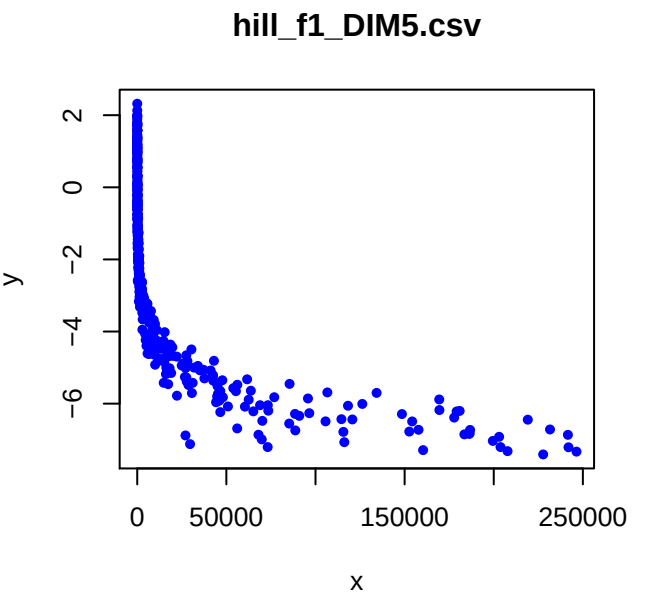
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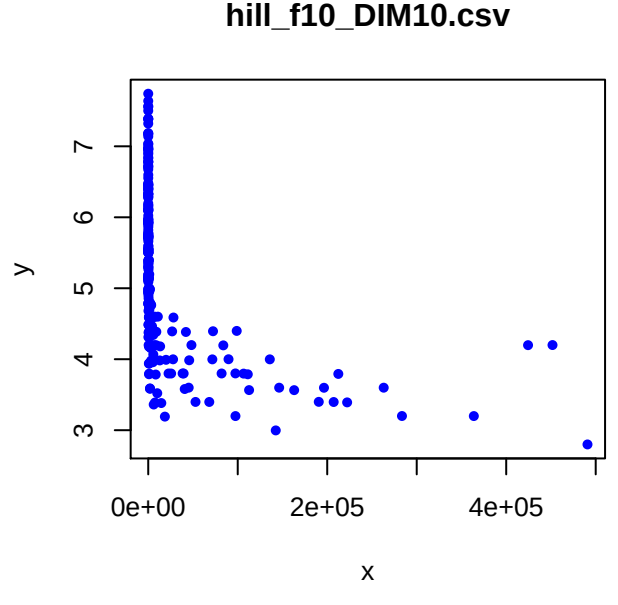
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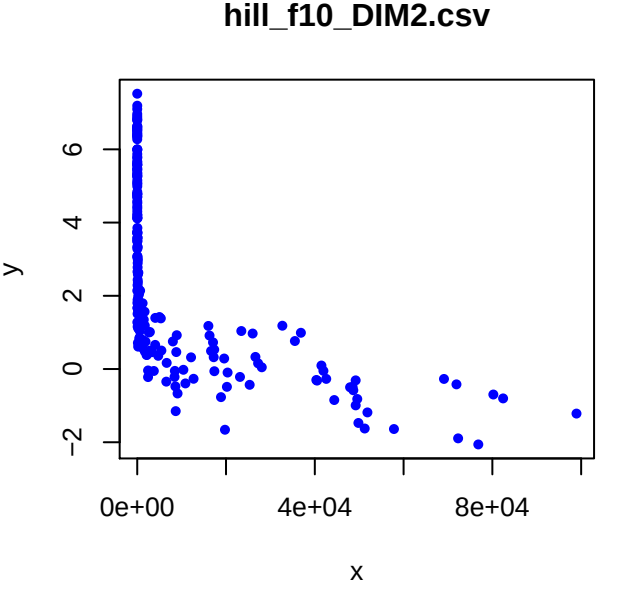
x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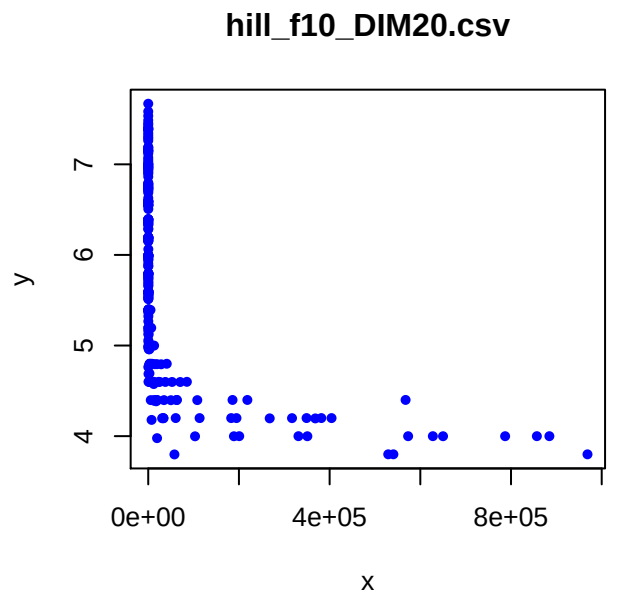
x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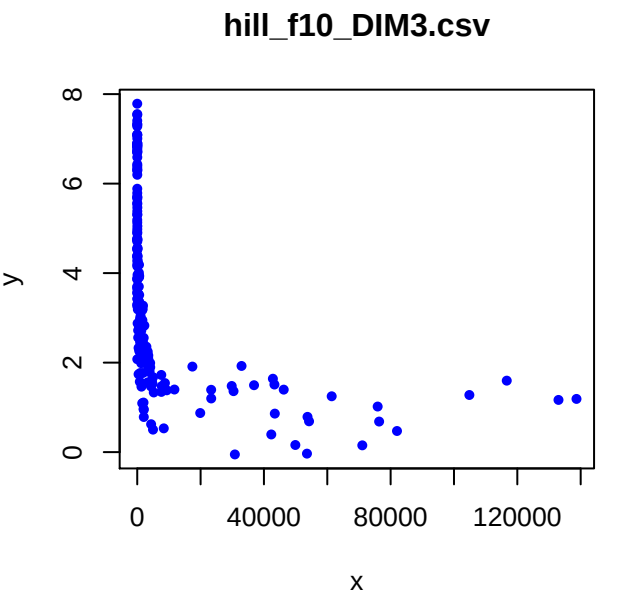
hill_f10_DIM3.csv
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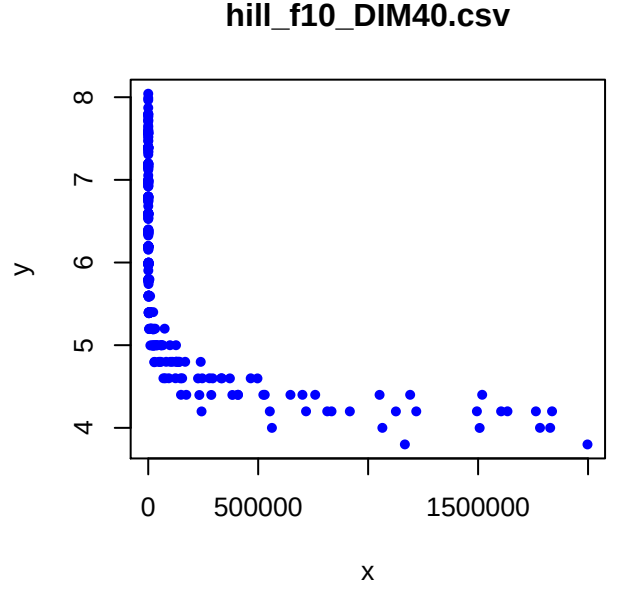
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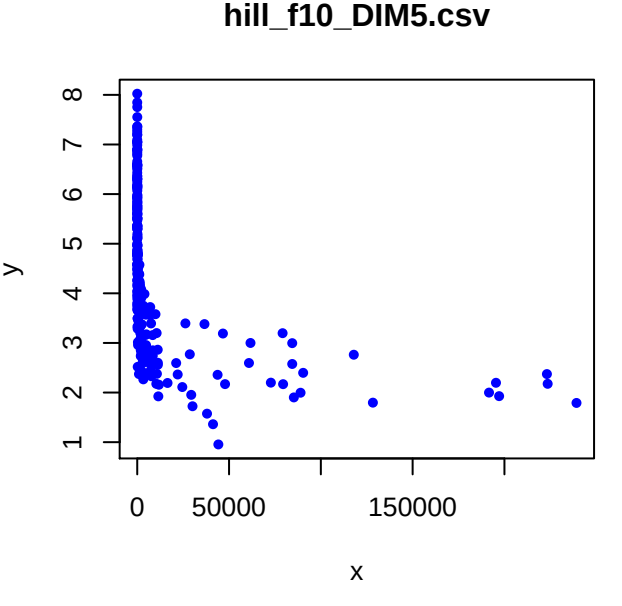
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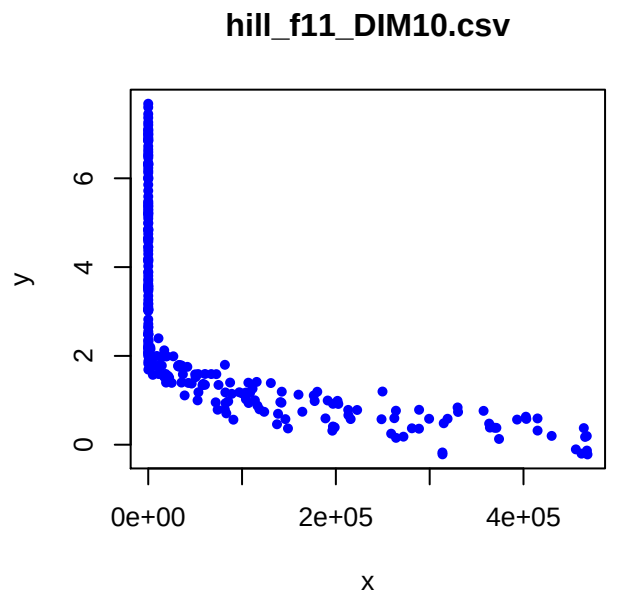
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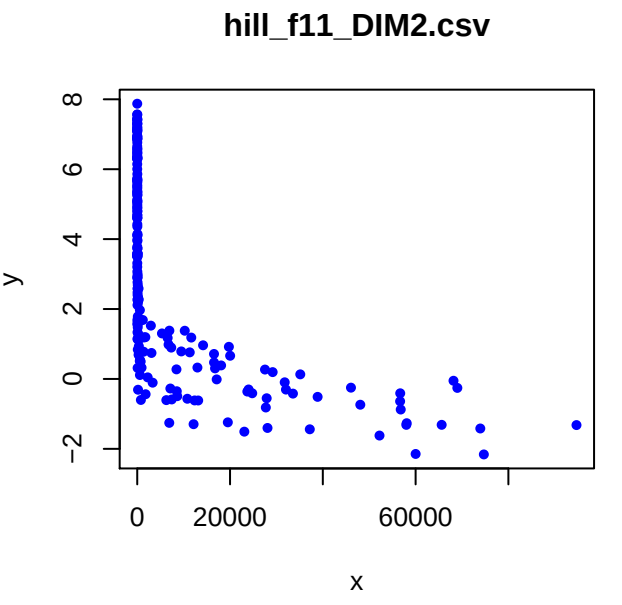
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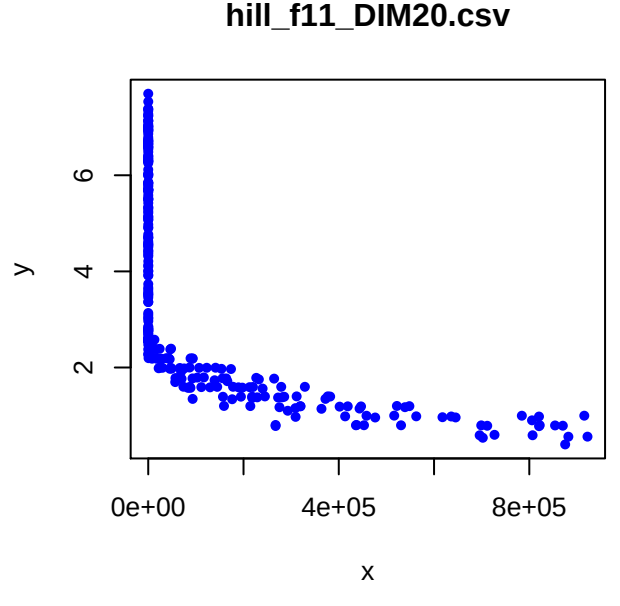
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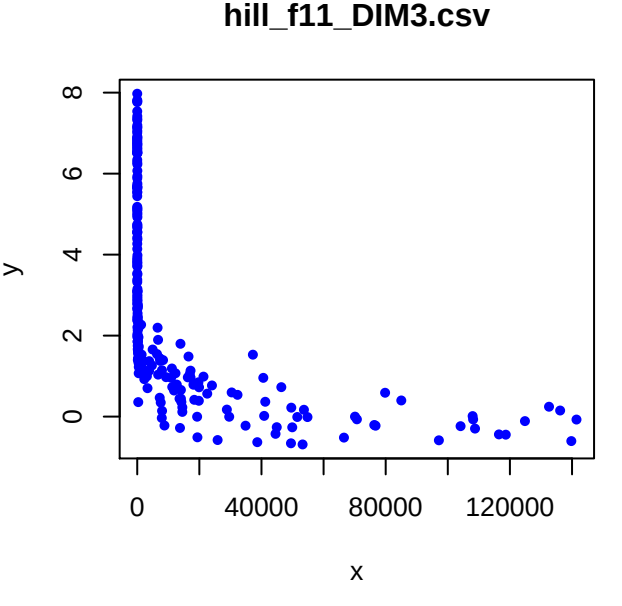
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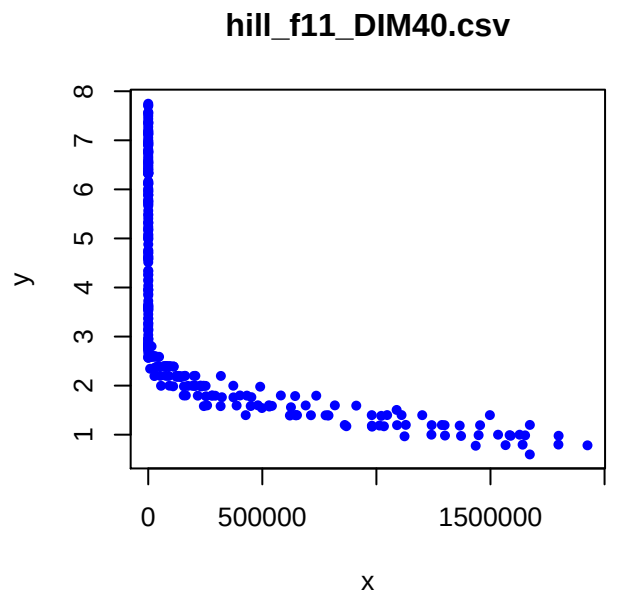
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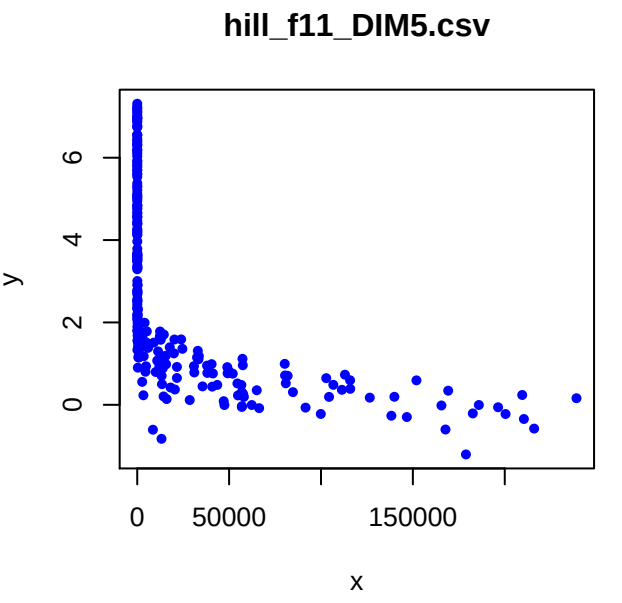
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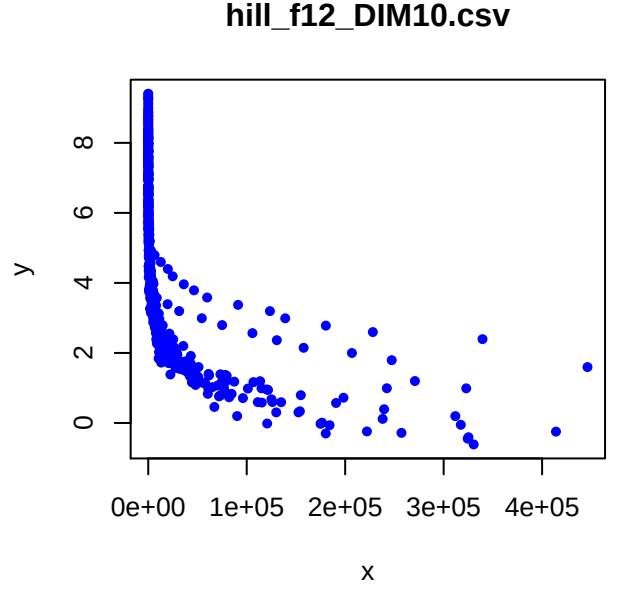
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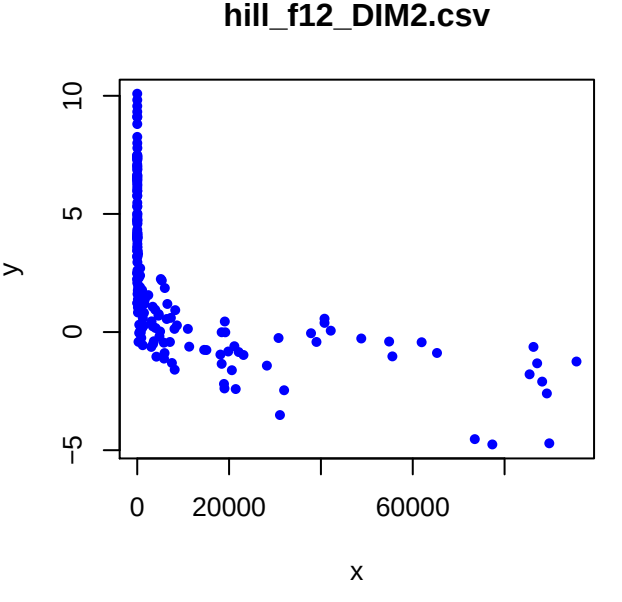
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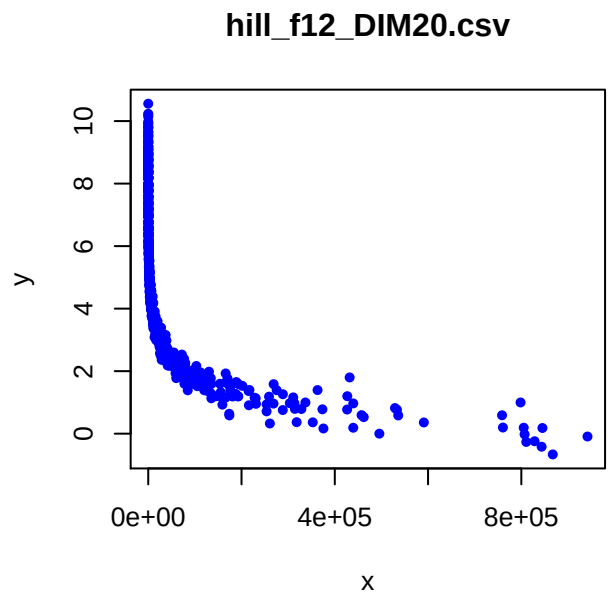
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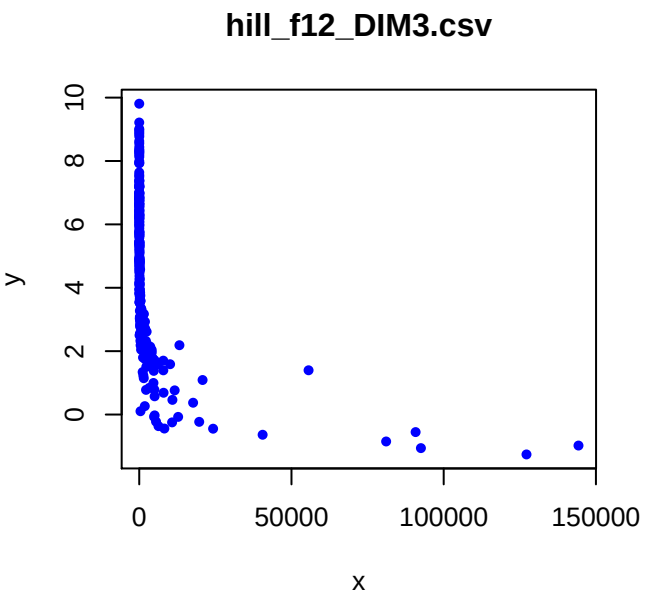
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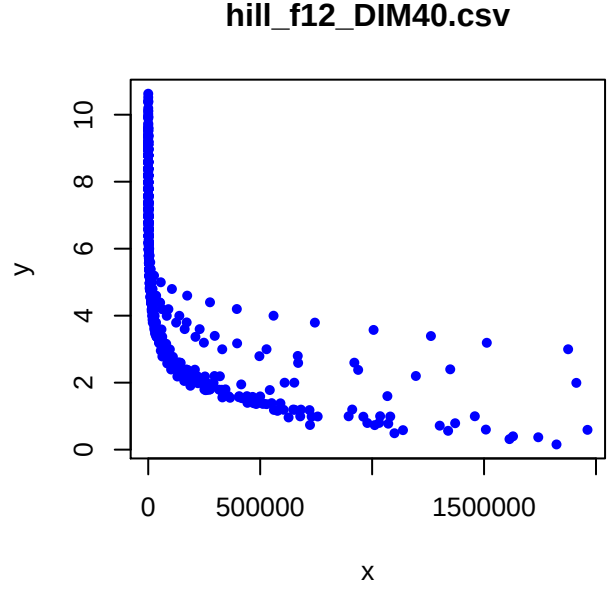
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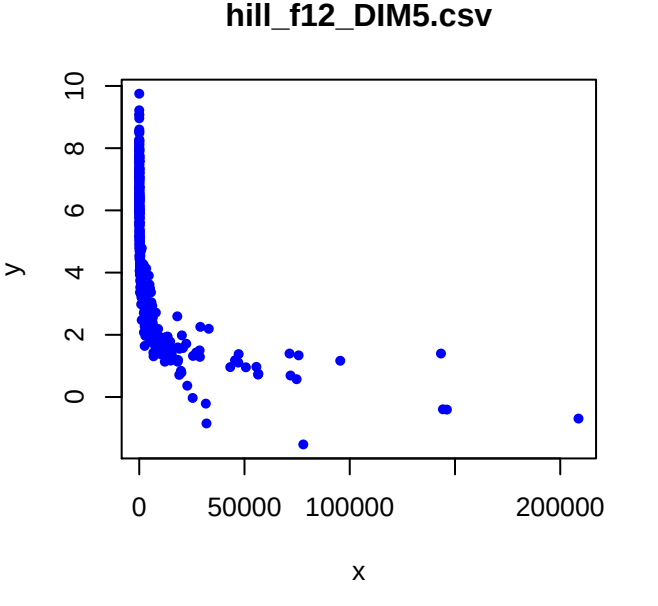
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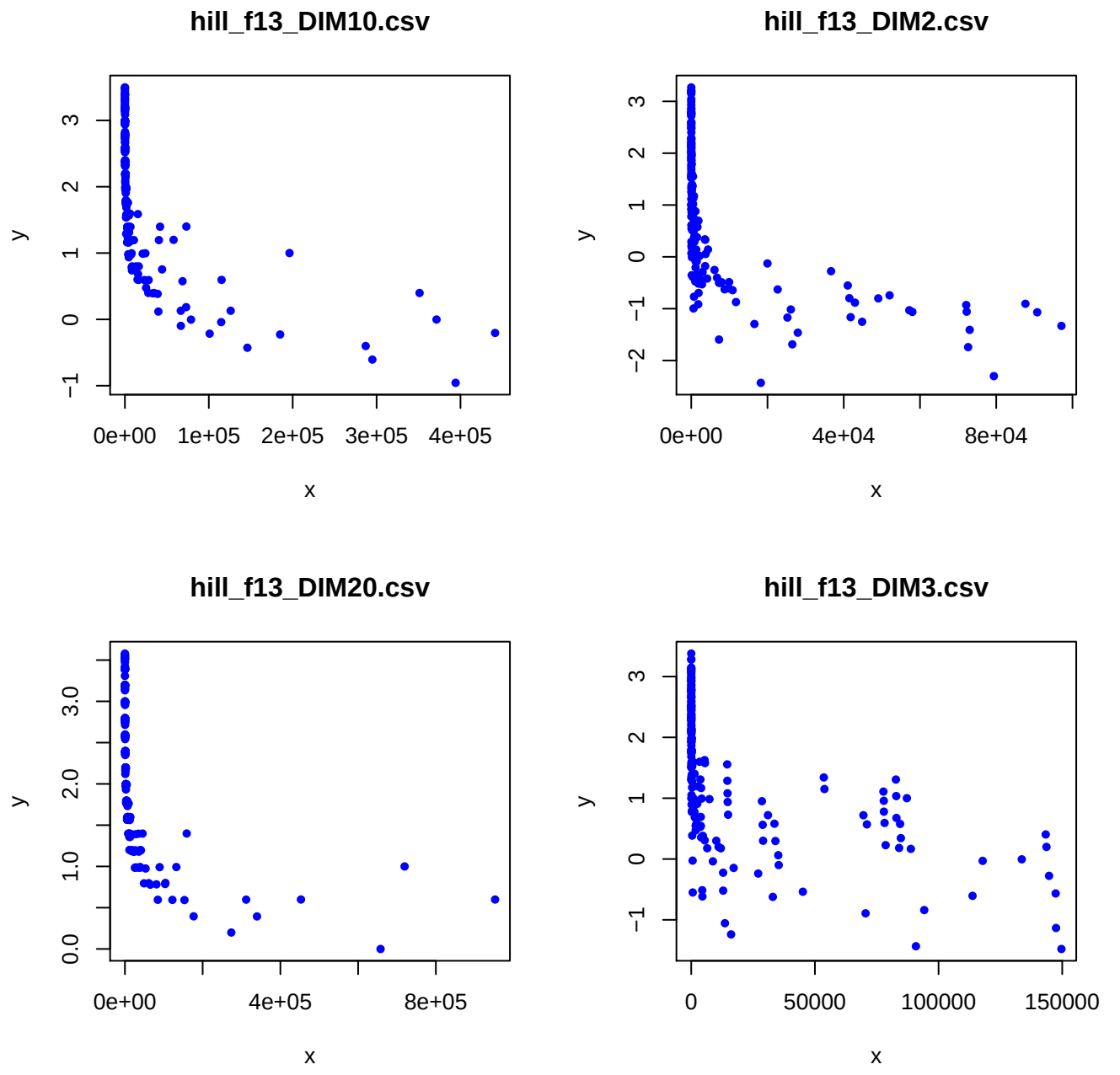
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hill_f13_DIM2.csv
y
x
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8e+04
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hill_f13_DIM20.csv
y
x
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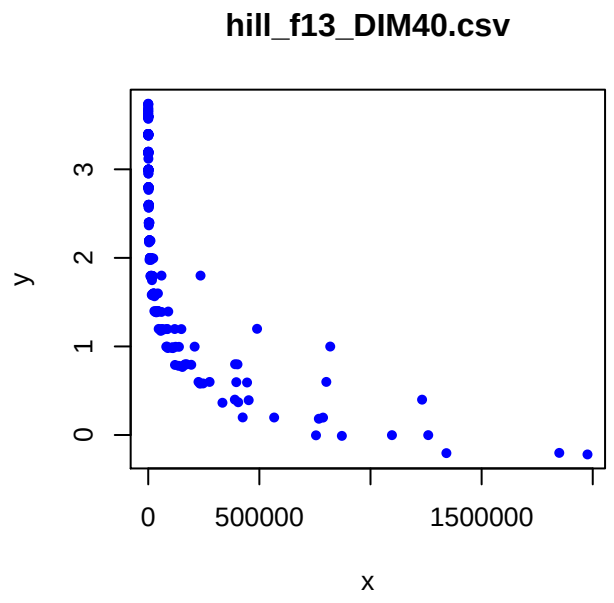
1
2
3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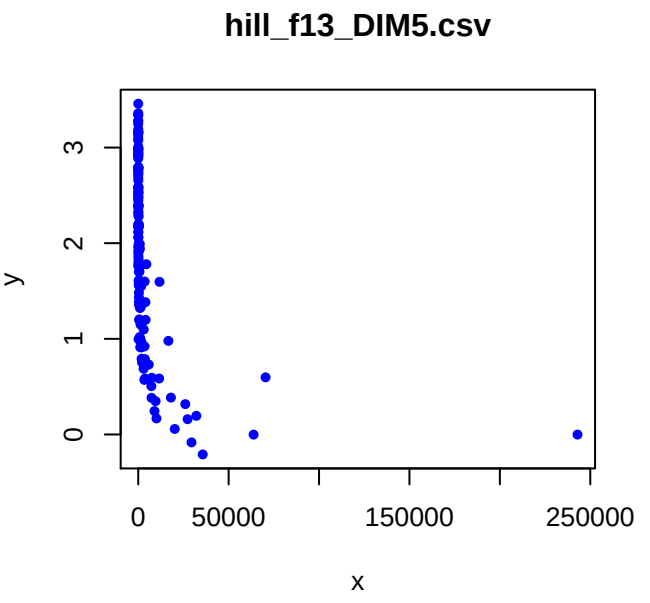
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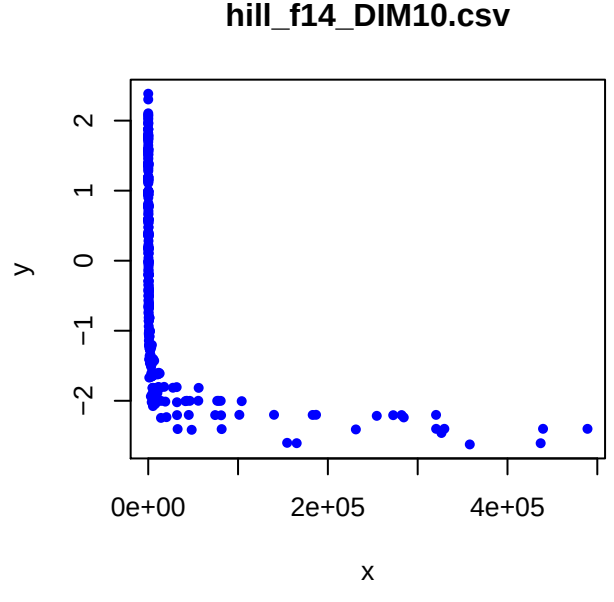
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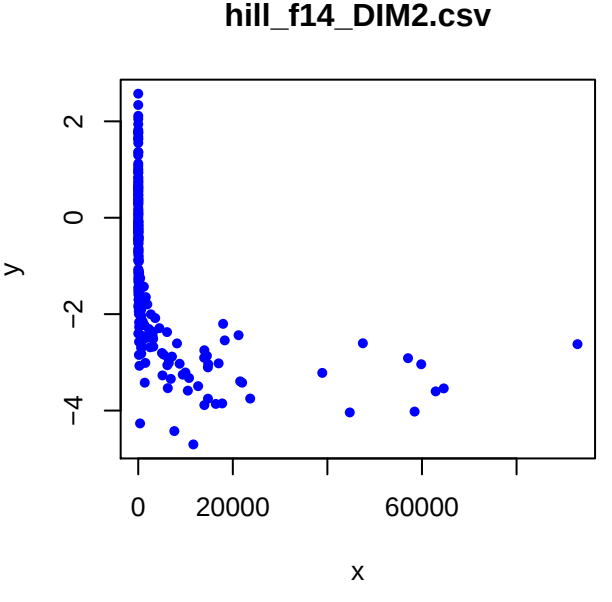
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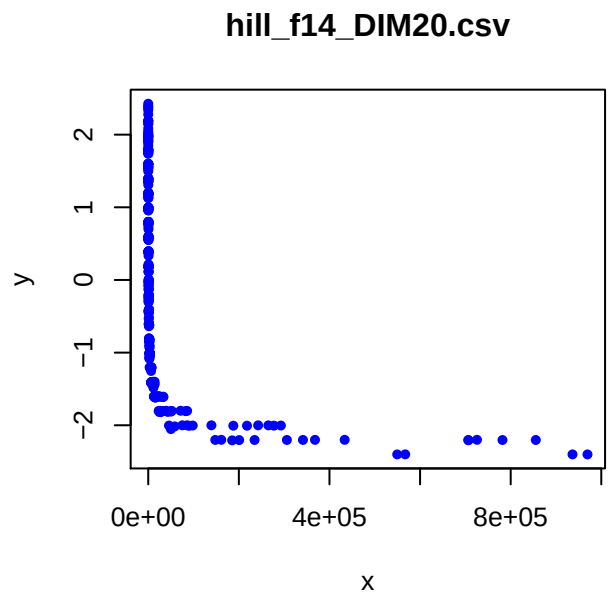
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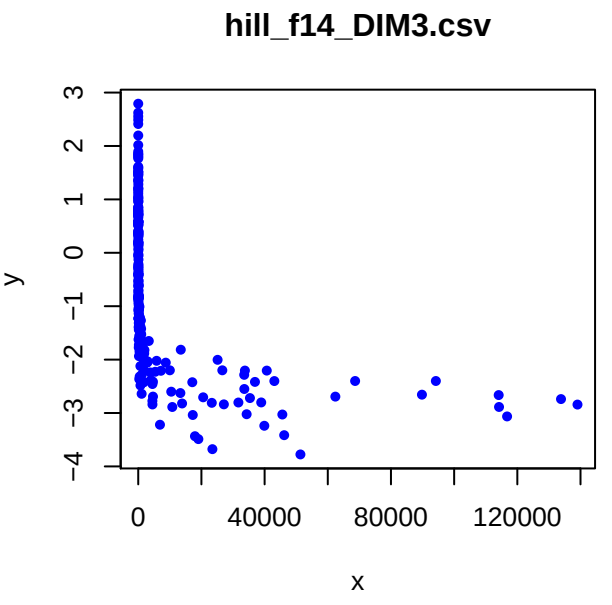
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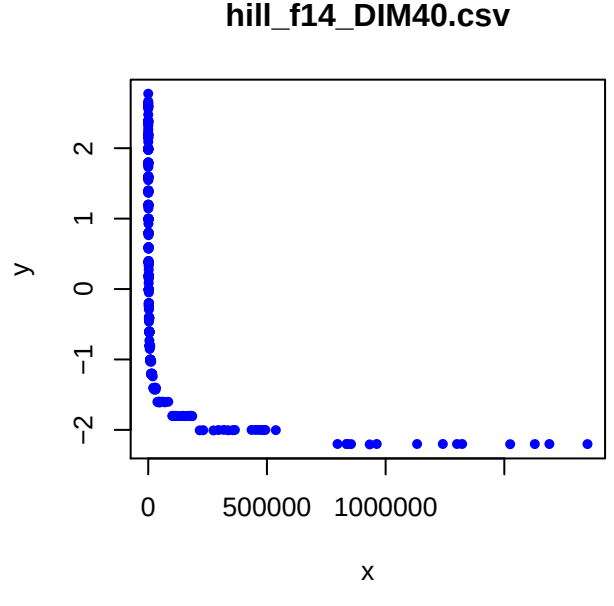
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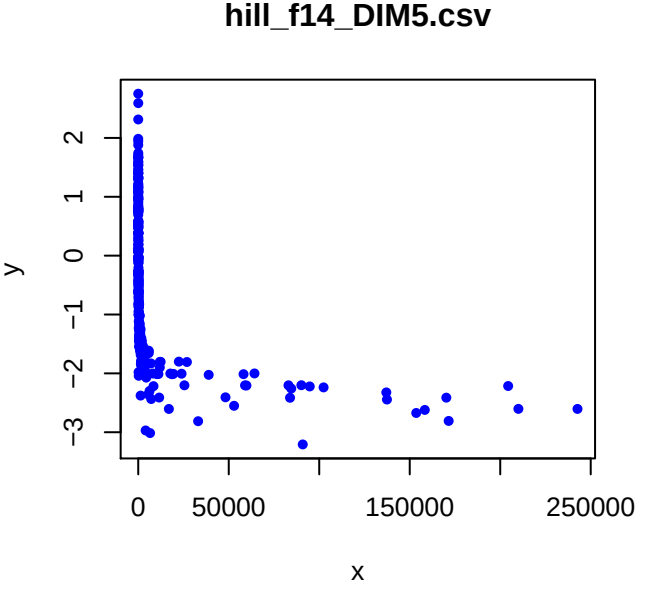
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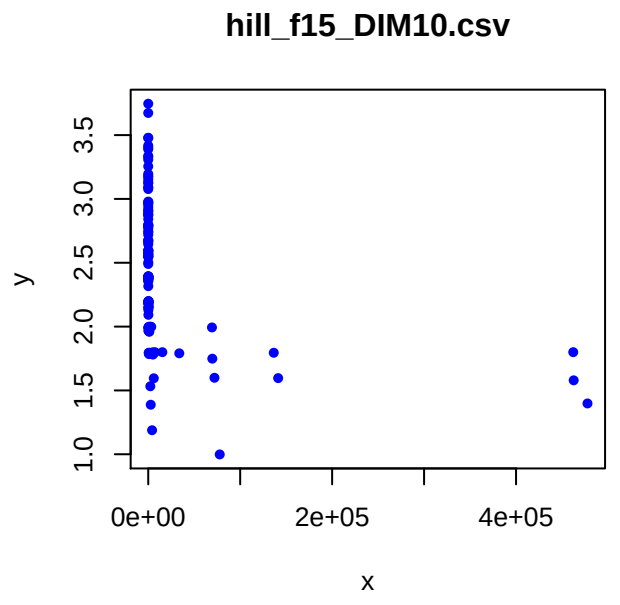
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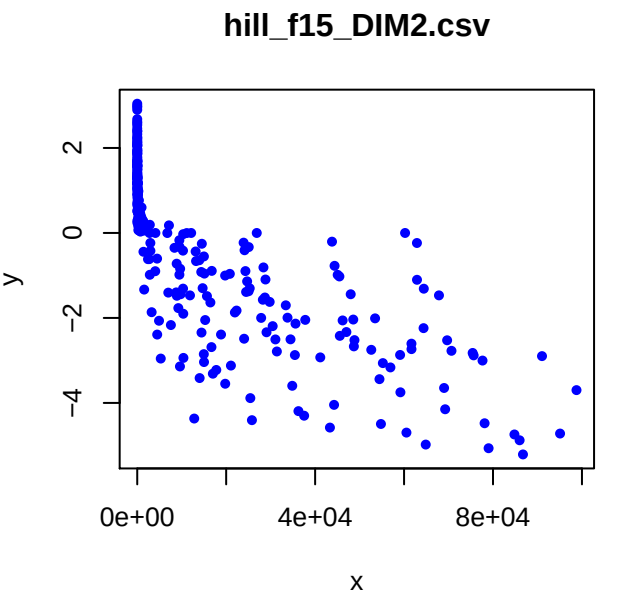
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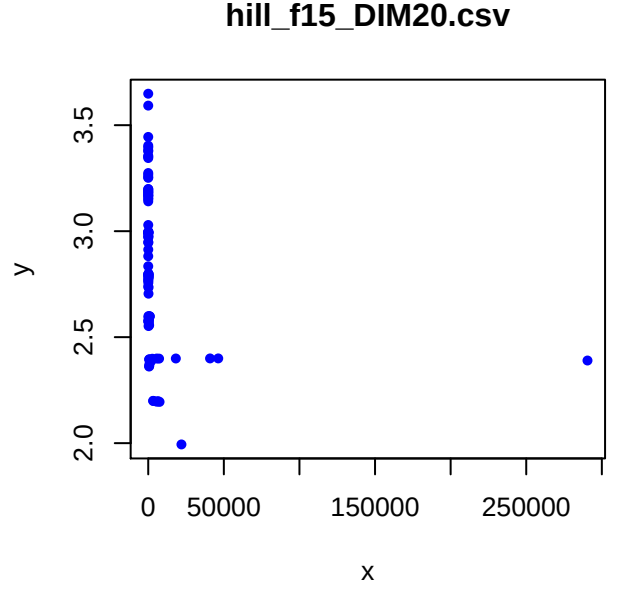
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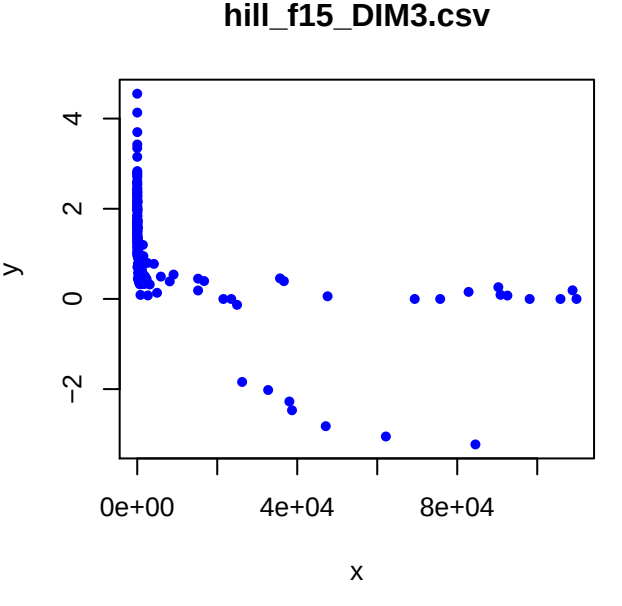
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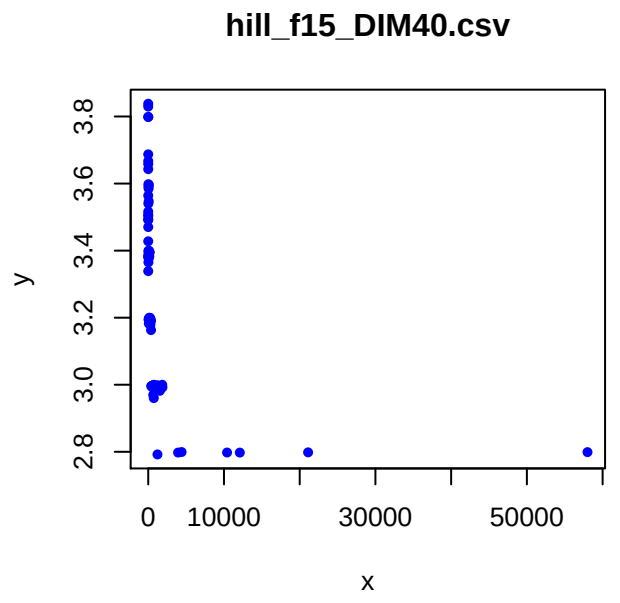
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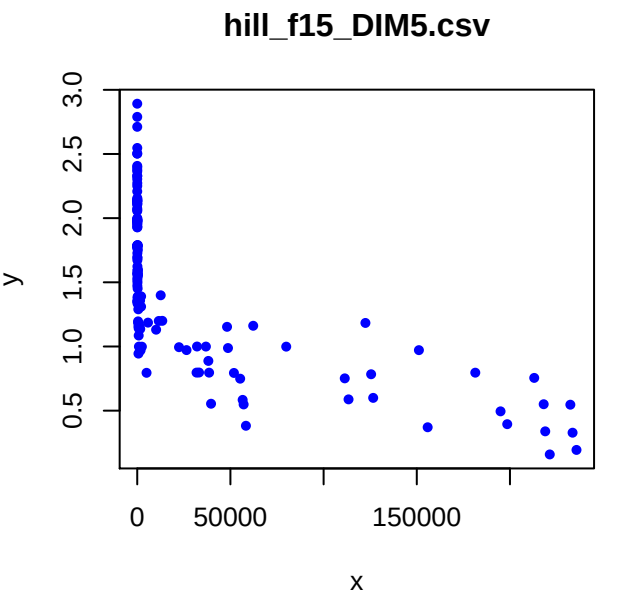
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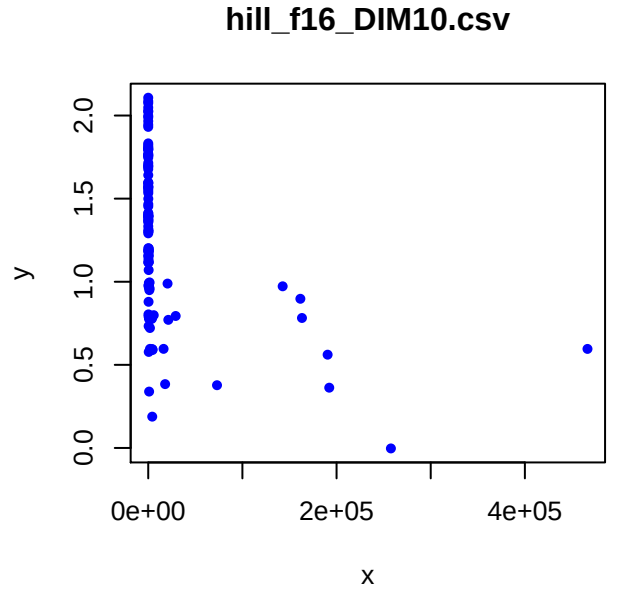
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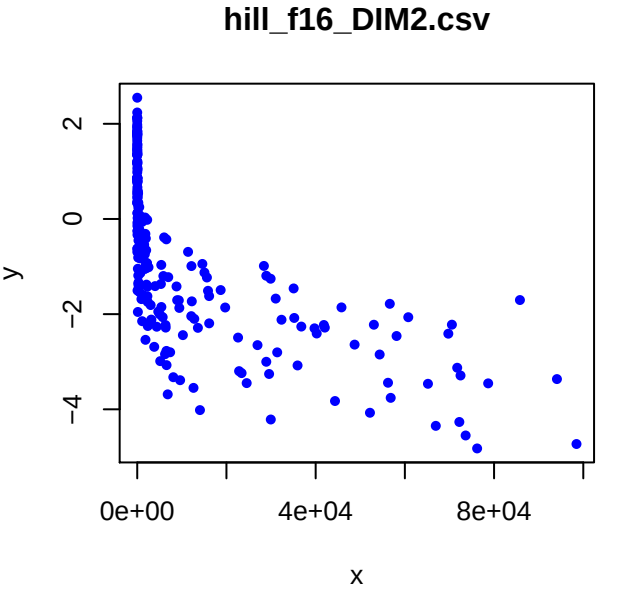
x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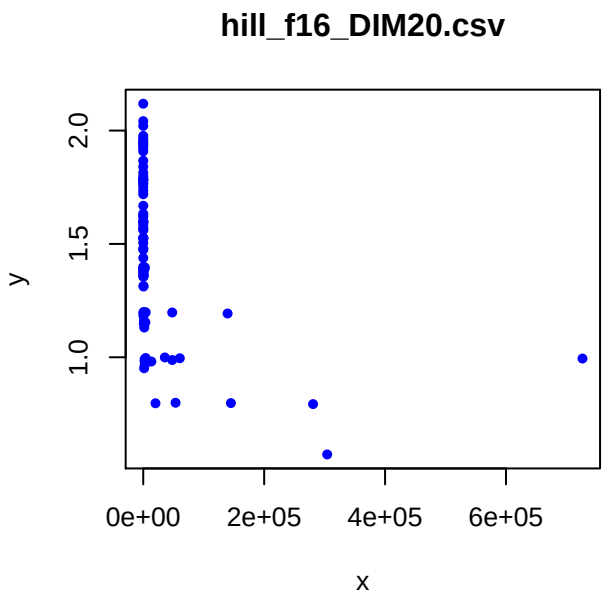
x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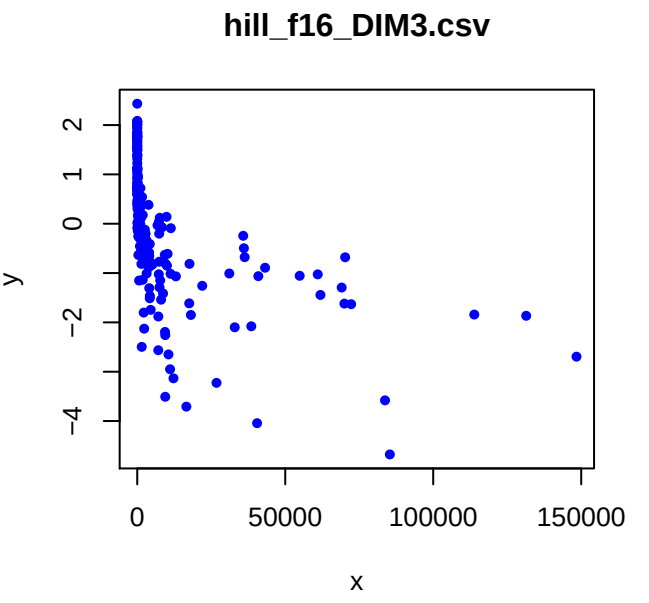
x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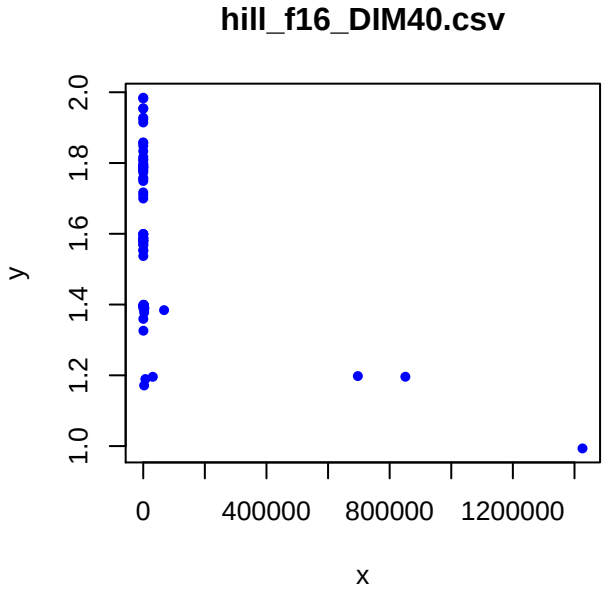
x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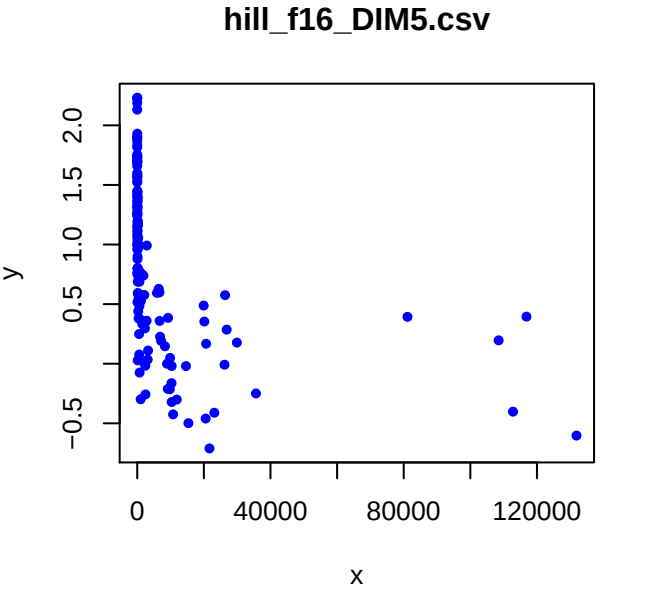
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120000
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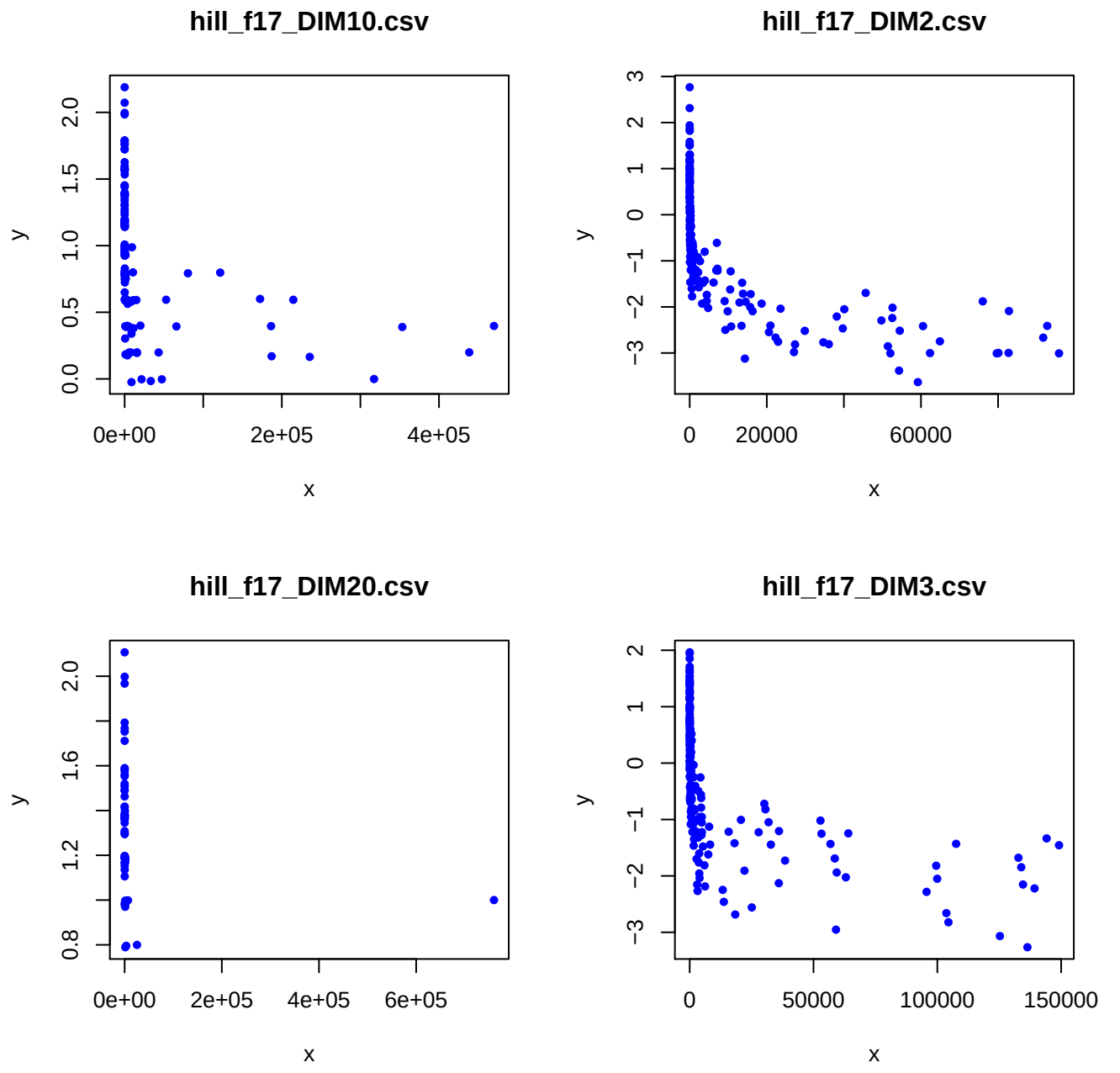
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4e+05
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hill_f17_DIM2.csv
y
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−2
−1
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1
2
3
0
20000
60000
x
hill_f17_DIM20.csv
y
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1.2
1.6
2.0
0e+00
2e+05
4e+05
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x
hill_f17_DIM3.csv
y
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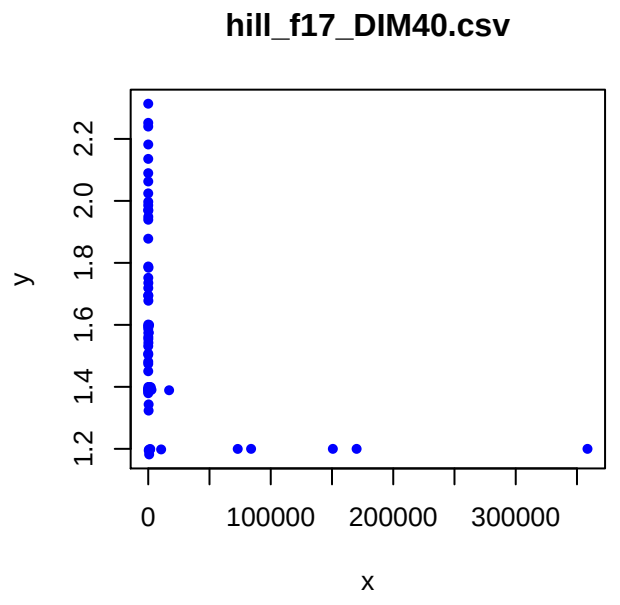
x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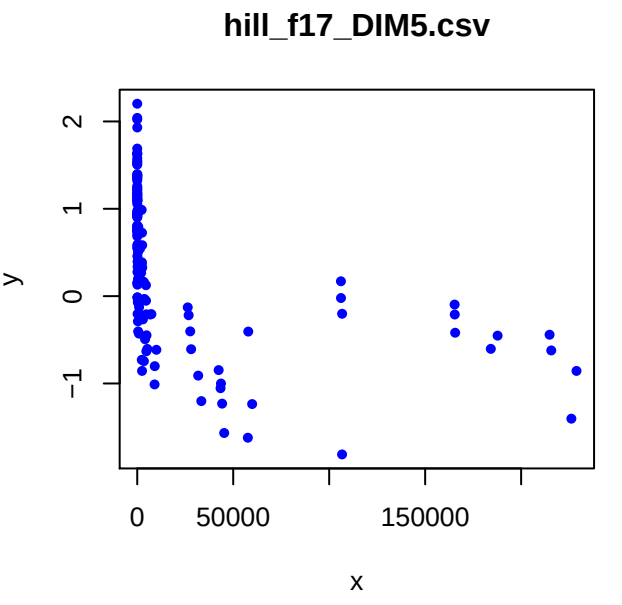
hill_f17_DIM5.csv
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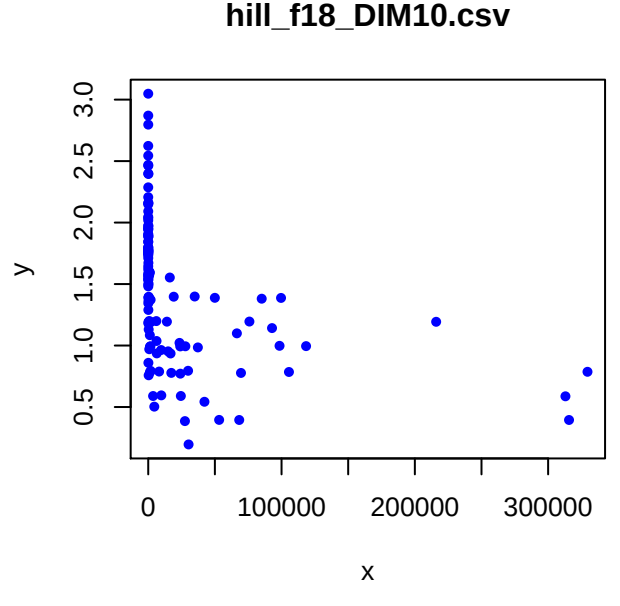
x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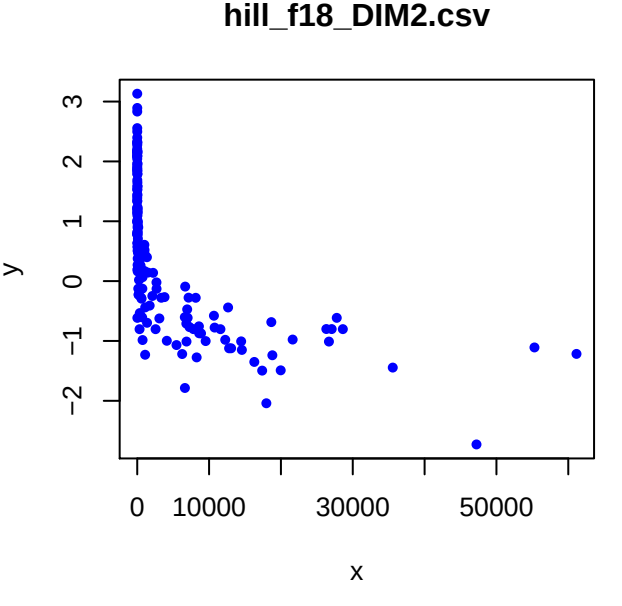
hill_f18_DIM2.csv
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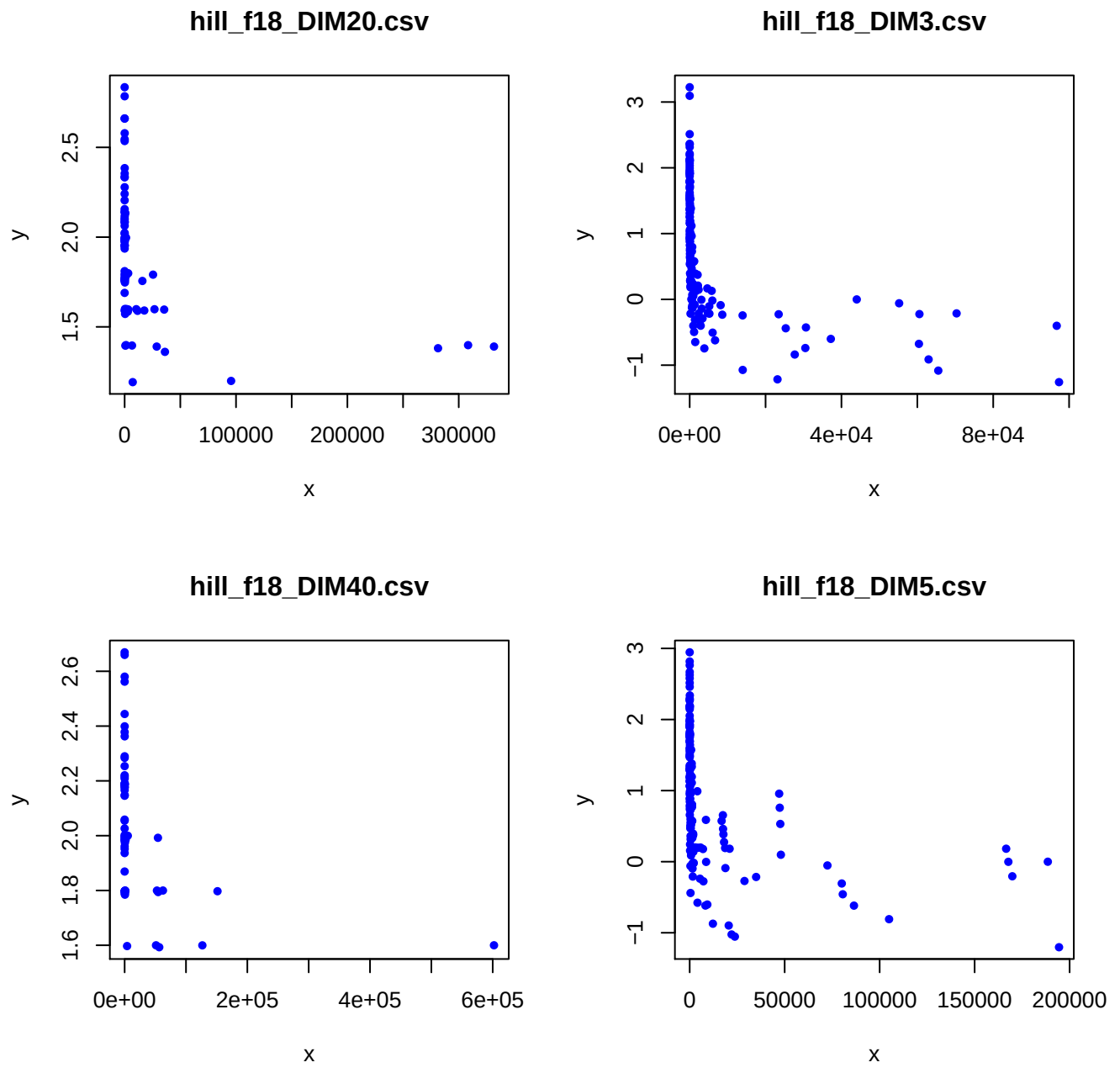
50000
x


hill_f18_DIM20.csv
y
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2.0
2.5
0
100000
200000
300000
x
hill_f18_DIM3.csv
y
−1
0
1
2
3
0e+00
4e+04
8e+04
x
hill_f18_DIM40.csv
y
1.6
1.8
2.0
2.2
2.4
2.6
0e+00
2e+05
4e+05
6e+05
x
hill_f18_DIM5.csv
y
−1
0
1
2
3
0
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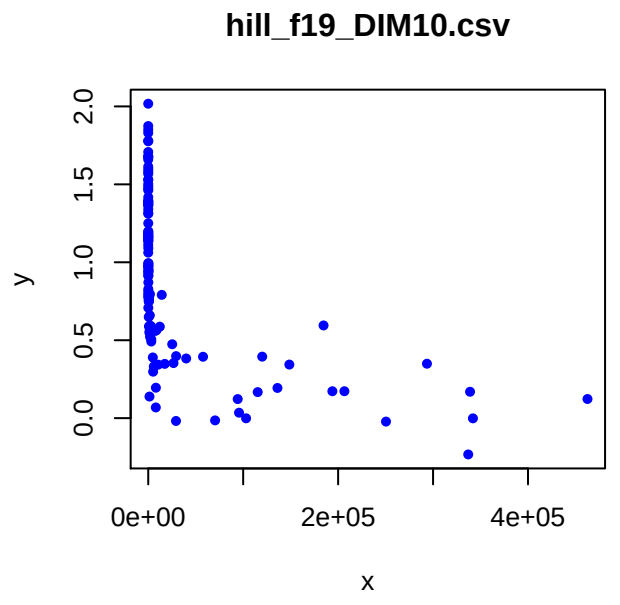
100000
150000
200000
x


hill_f19_DIM10.csv
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1.5
2.0
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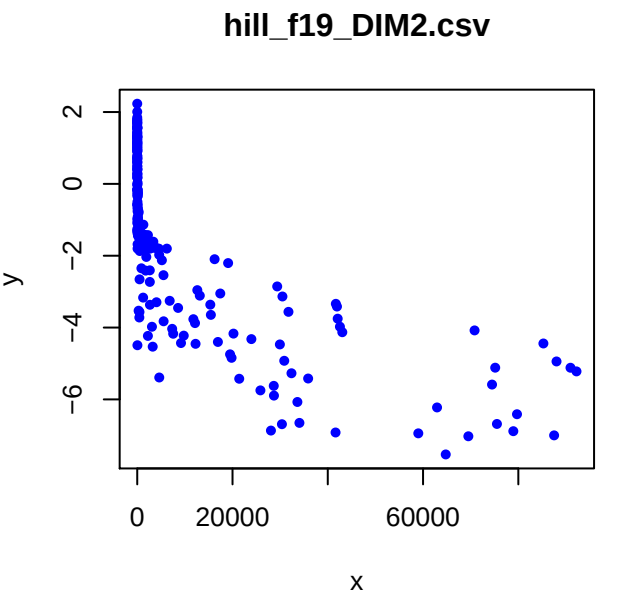
2e+05
4e+05
x


hill_f19_DIM2.csv
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−6
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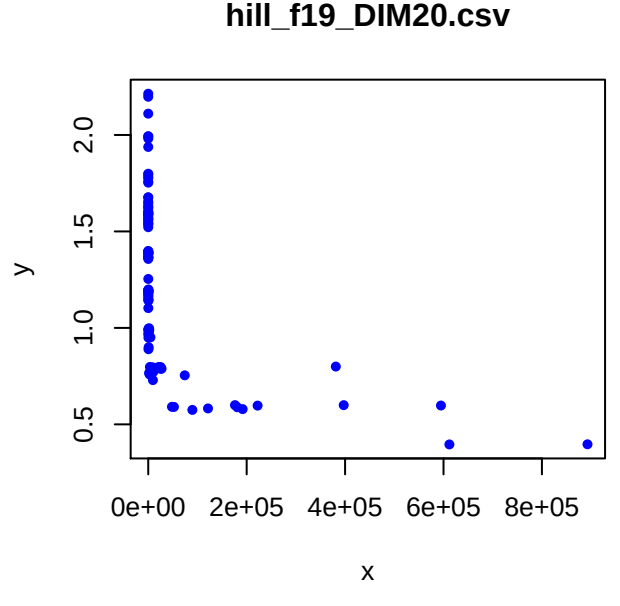
x


hill_f19_DIM20.csv
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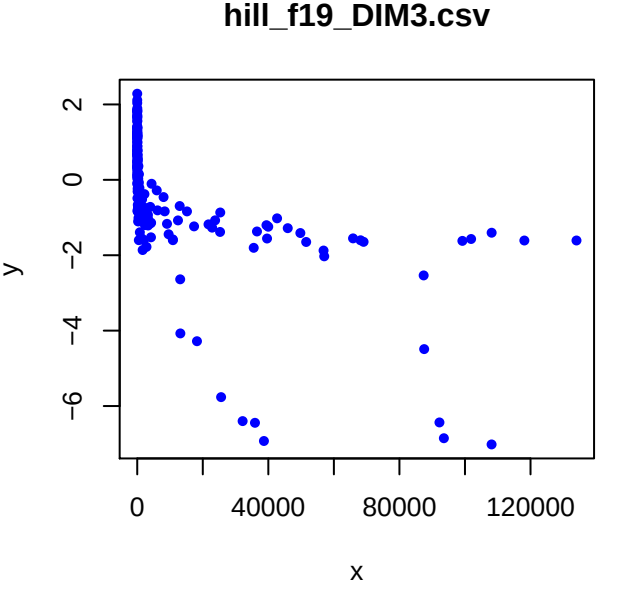
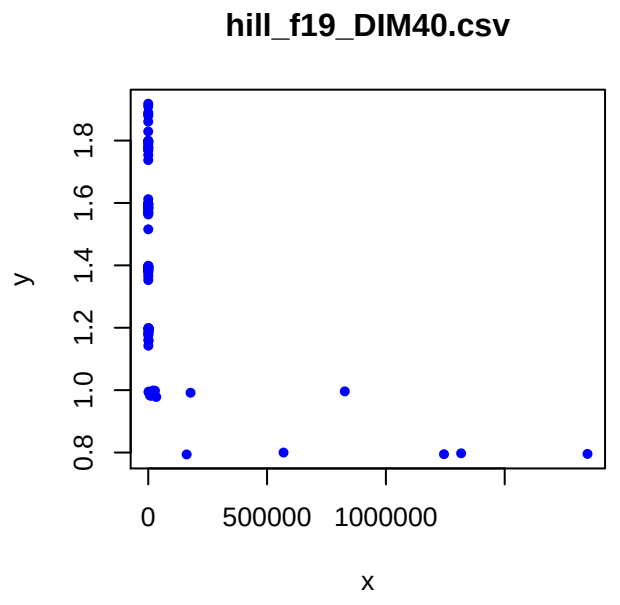
1.5
2.0
0e+00
2e+05
4e+05
6e+05
8e+05
x


hill_f19_DIM3.csv
y
2
0
−2
−4
−6
0
40000
80000
120000
x


hill_f19_DIM40.csv
y
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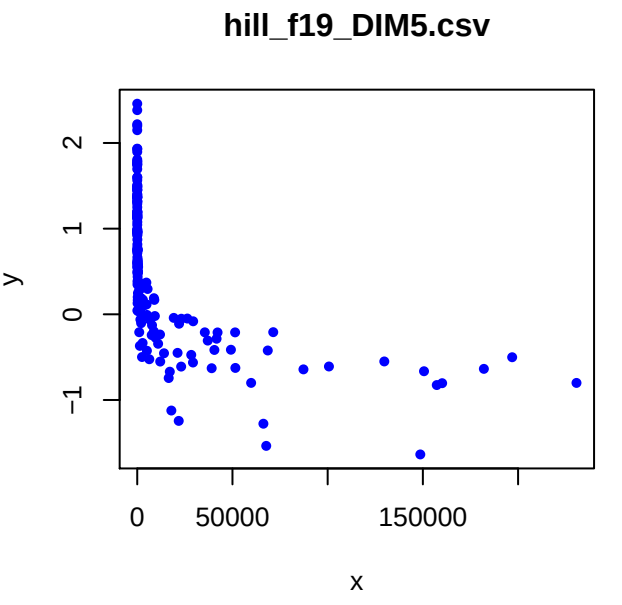
1.2
1.4
1.6
1.8
0
500000
1000000
x


hill_f19_DIM5.csv
y
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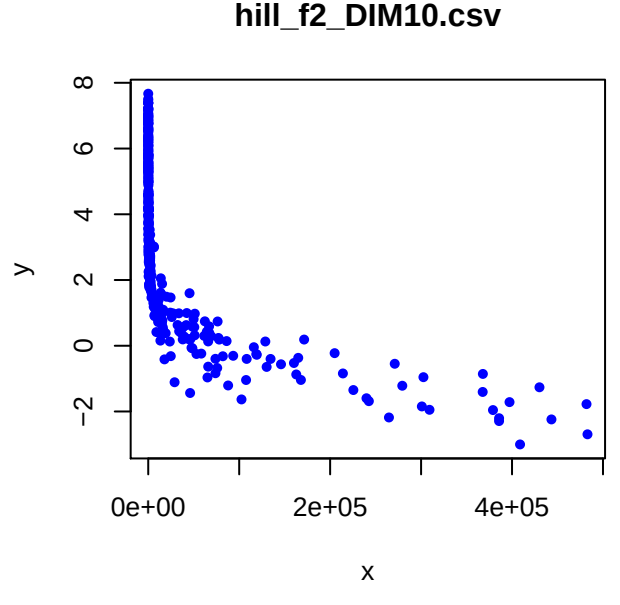
0
1
2
0
50000
150000
x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y
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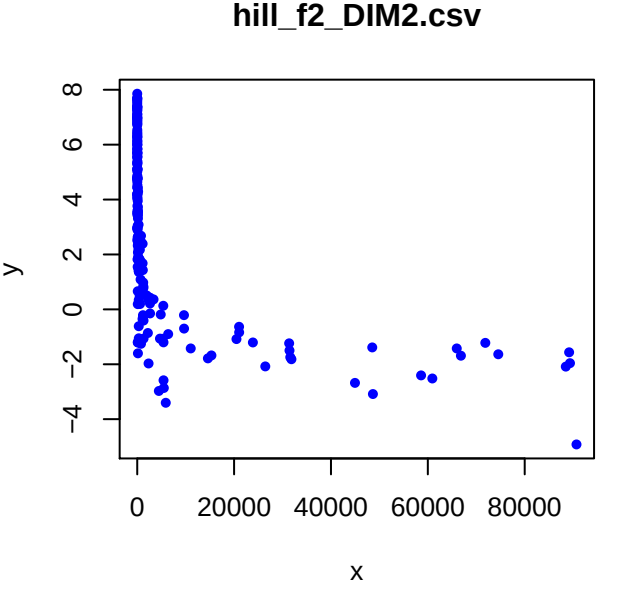
2
4
6
8
0e+00
2e+05
4e+05
x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y
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−2
0
2
4
6
8
0
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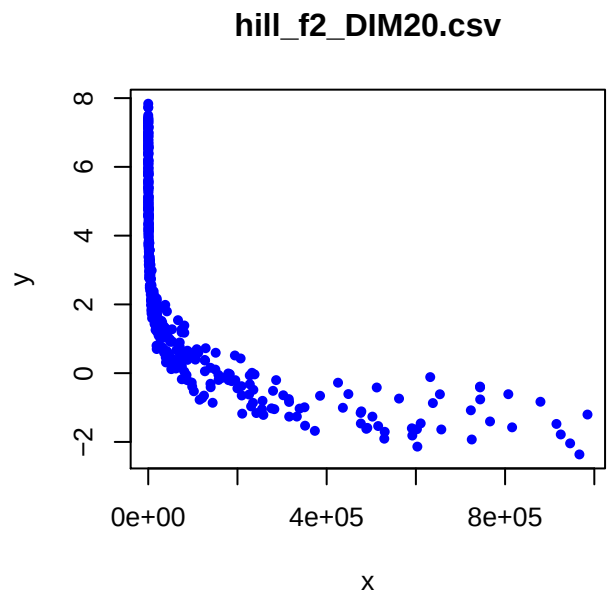
40000
60000
80000
x


hill_f2_DIM20.csv
y
x
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6
4
2
0
−2
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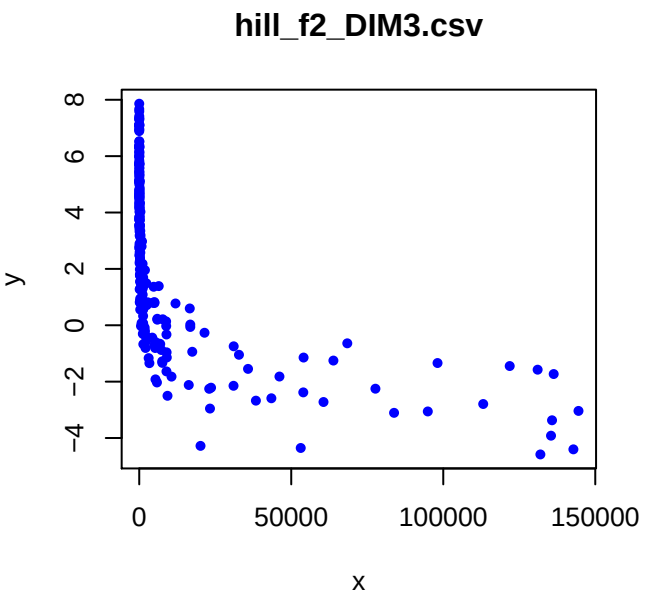
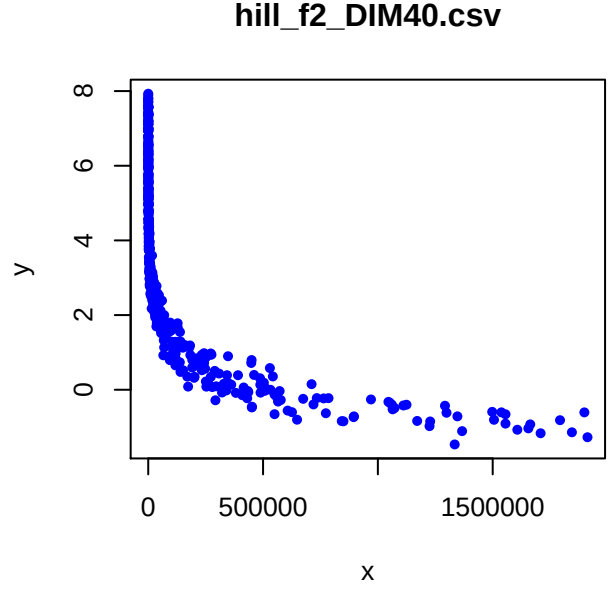
4e+05
8e+05


hill_f2_DIM3.csv
y
x
8
6
4
2
0
−2
−4
0
50000
100000
150000


hill_f2_DIM40.csv
y
x
8
6
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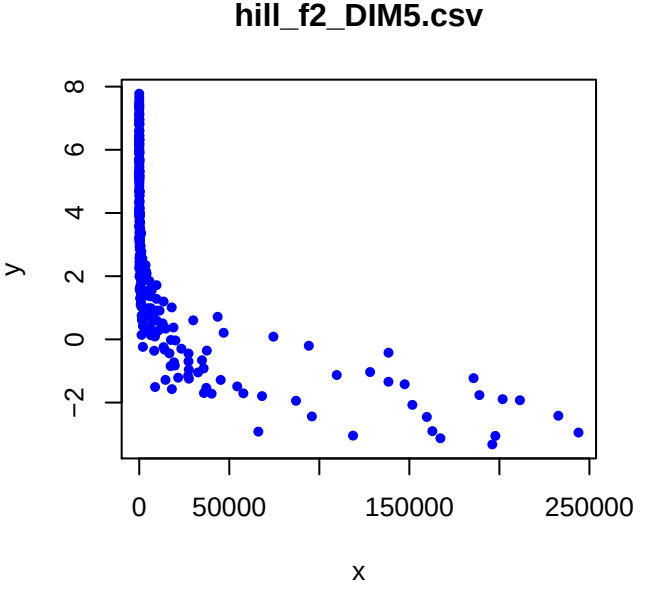
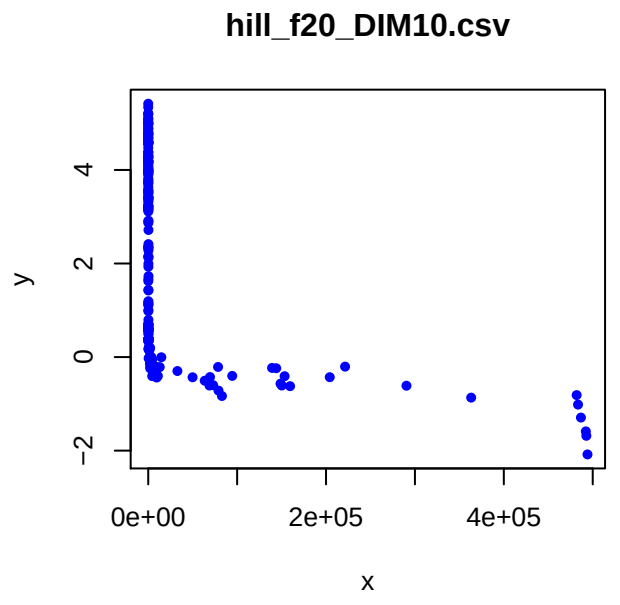

hill_f2_DIM5.csv
y
x
8
6
4
2
0
−2
0
50000
150000
250000


hill_f20_DIM10.csv
y
x
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2e+05
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−2
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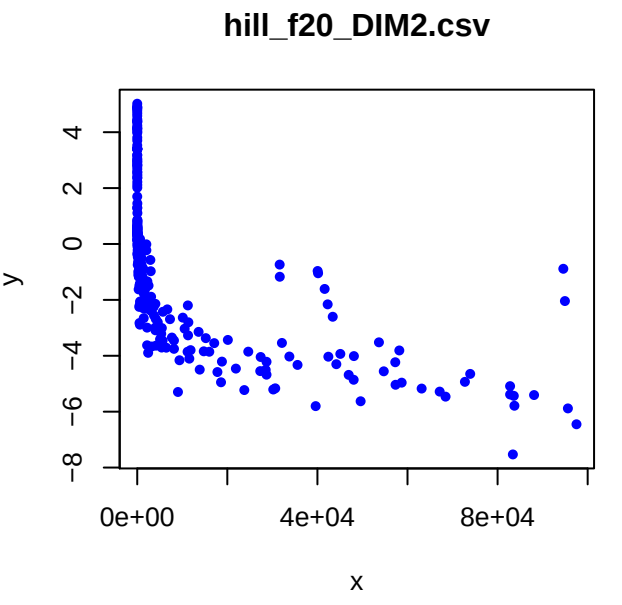
2
4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x
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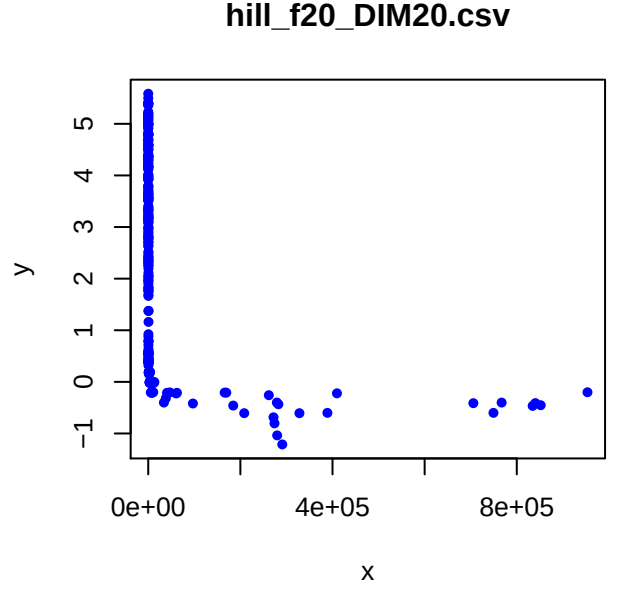
4e+04
8e+04
−8
−6
−4
−2
0
2
4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x
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4e+05
8e+05
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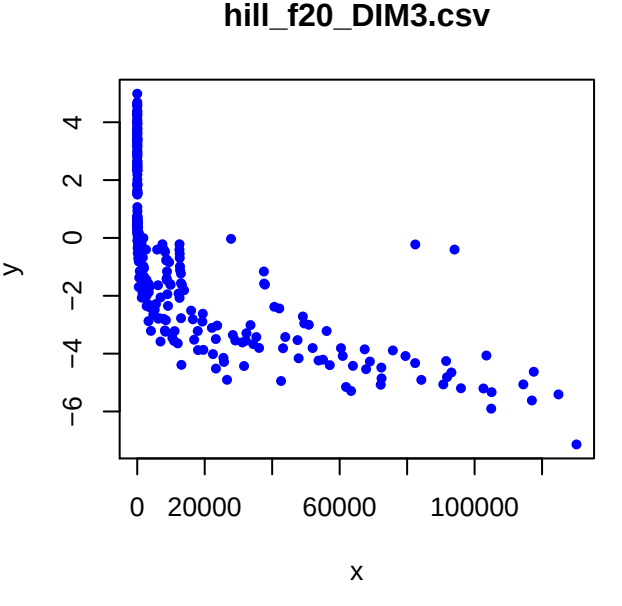
2
3
4
5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x
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−4
−2
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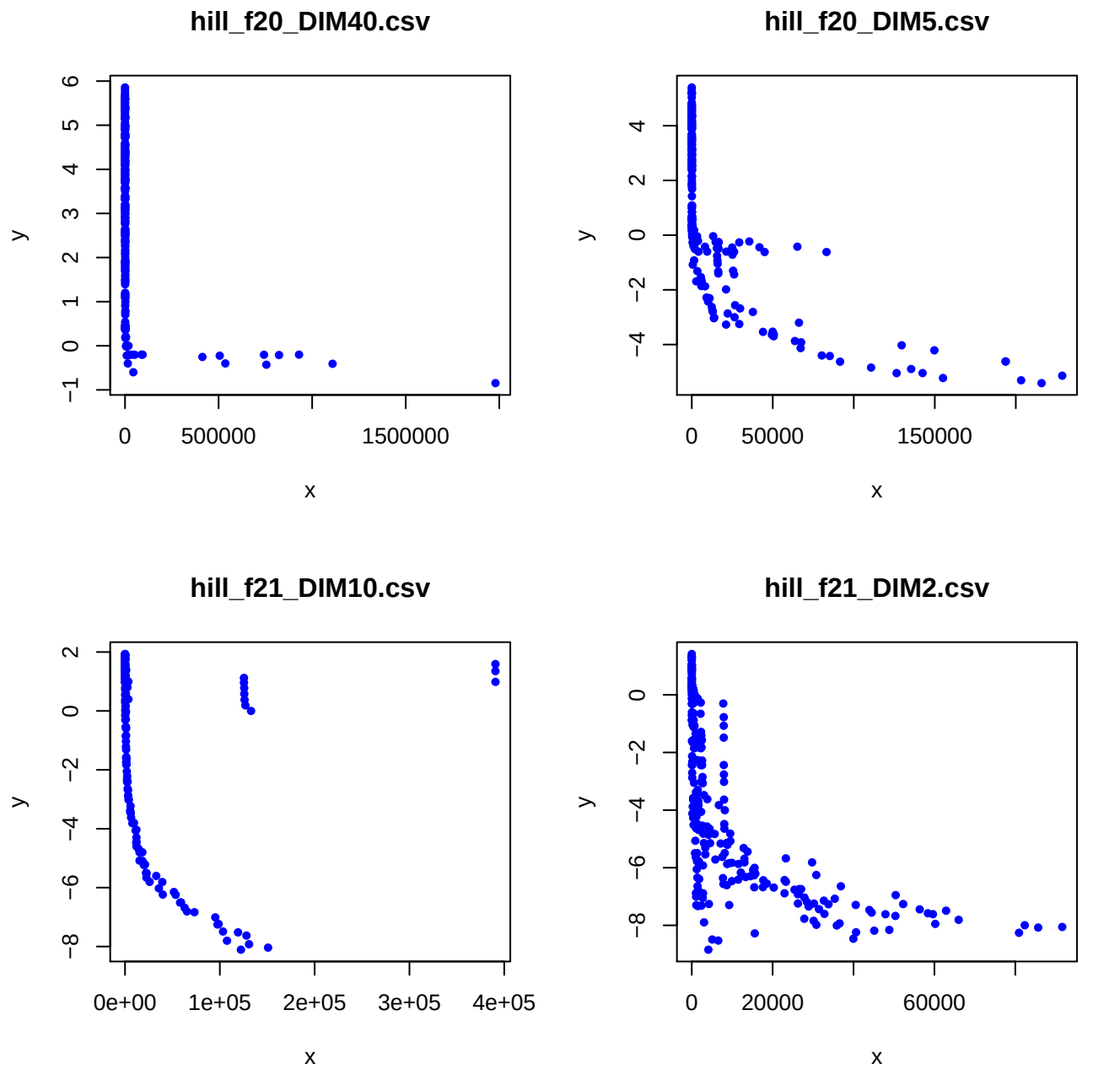
4


hill_f20_DIM40.csv
y
x
6
5
4
3
2
1
0
−1
0
500000
1500000
hill_f20_DIM5.csv
y
x
4
2
0
−2
−4
0
50000
150000
hill_f21_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0e+00
1e+05
2e+05
3e+05
4e+05
hill_f21_DIM2.csv
y
x
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−2
−4
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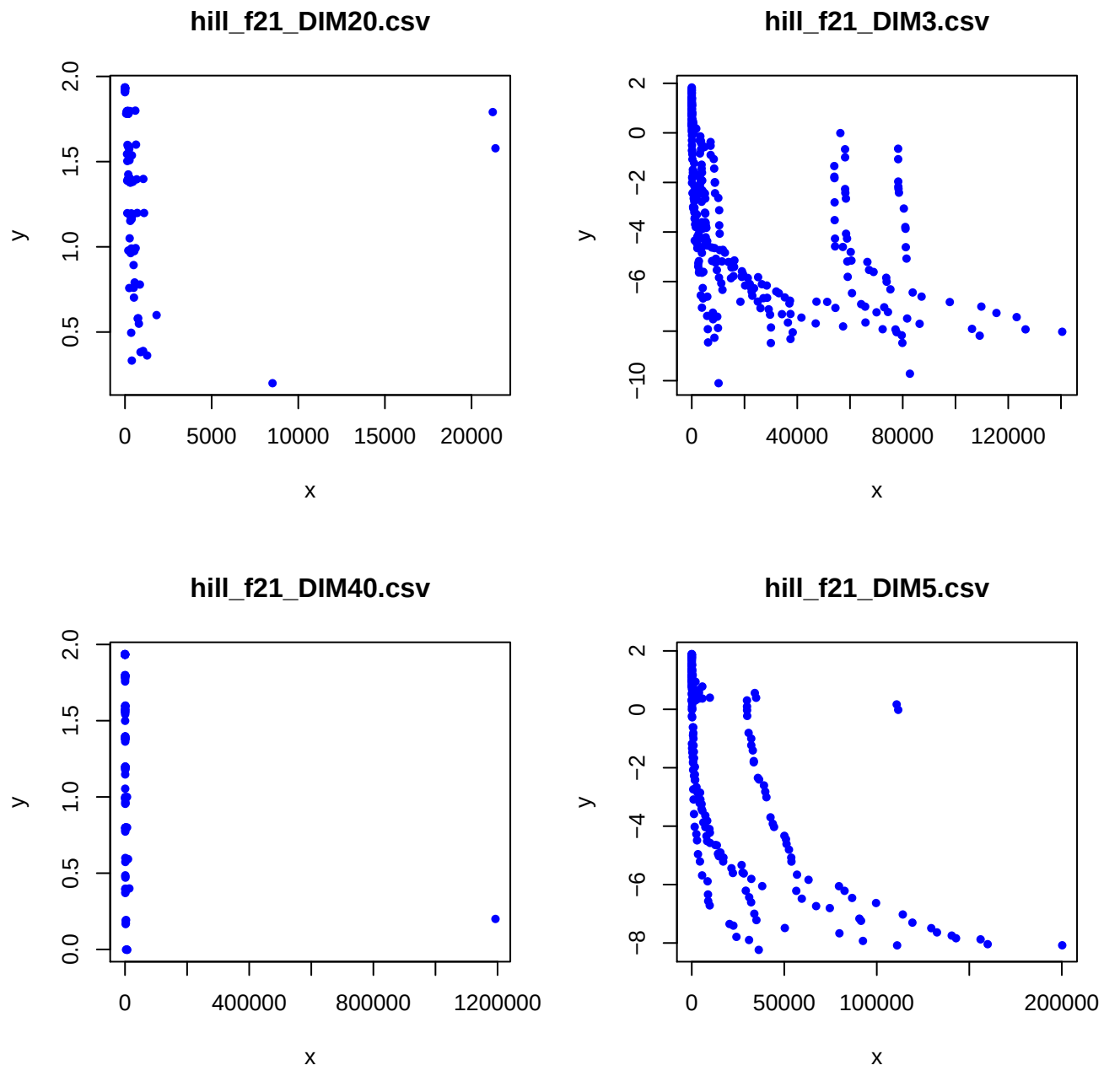
0
20000
60000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1.5
2.0
0
5000
10000
15000
20000
hill_f21_DIM3.csv
y
x
2
0
−2
−4
−6
−10
0
40000
80000
120000
hill_f21_DIM40.csv
y
x
0.0
0.5
1.0
1.5
2.0
0
400000
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hill_f21_DIM5.csv
y
x
2
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−4
−6
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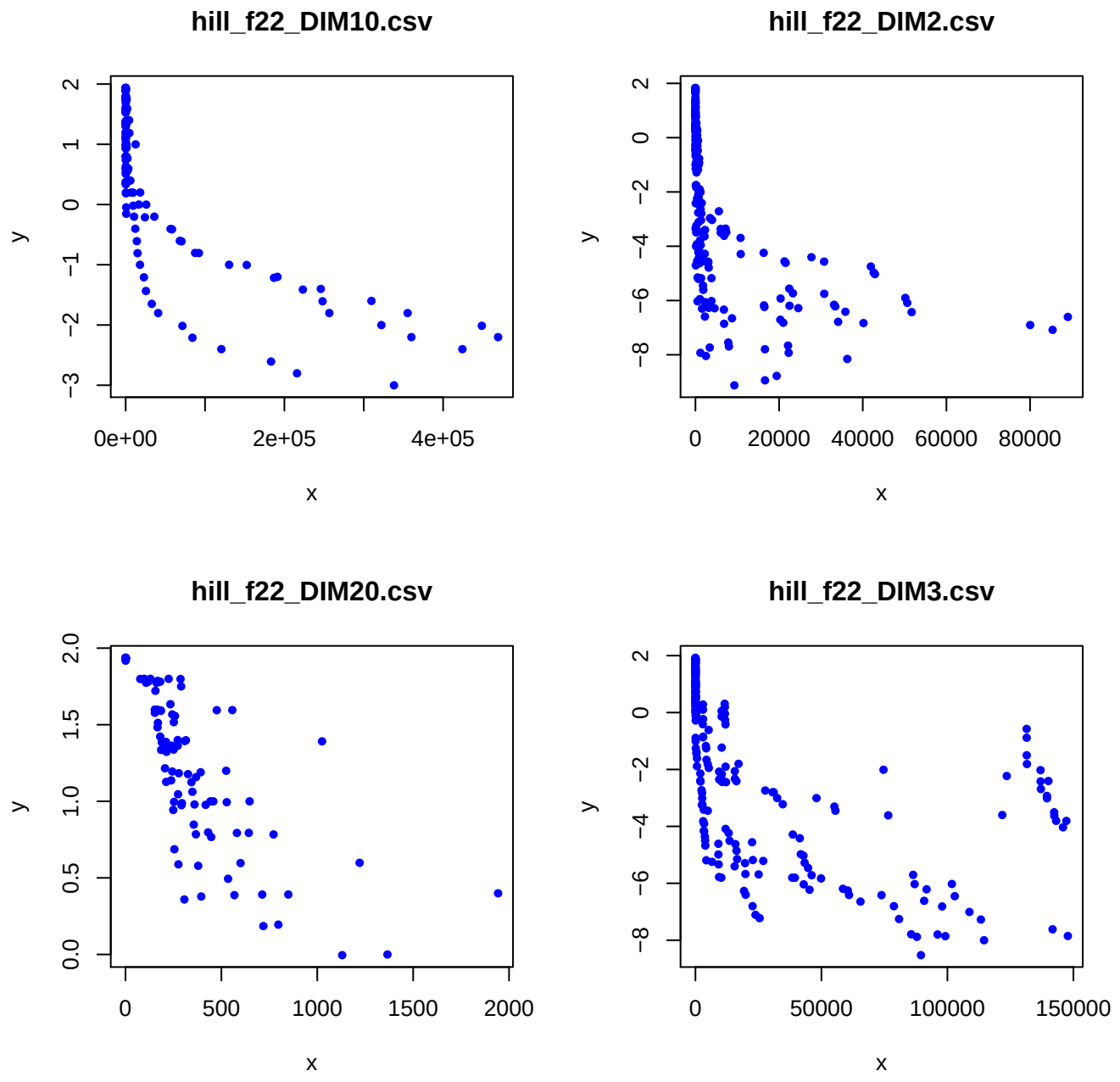
0
50000
100000
200000


hill_f22_DIM10.csv
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x
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−2
−3
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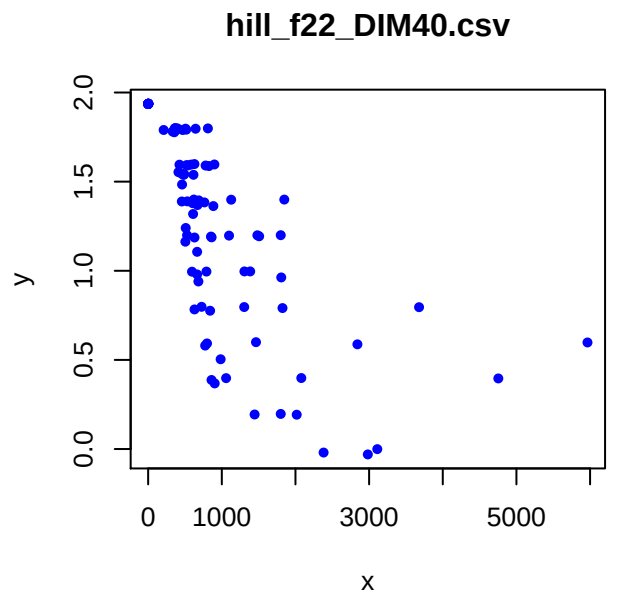
2e+05
4e+05
hill_f22_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
20000
40000
60000
80000
hill_f22_DIM20.csv
y
x
2.0
1.5
1.0
0.5
0.0
0
500
1000
1500
2000
hill_f22_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
50000
100000
150000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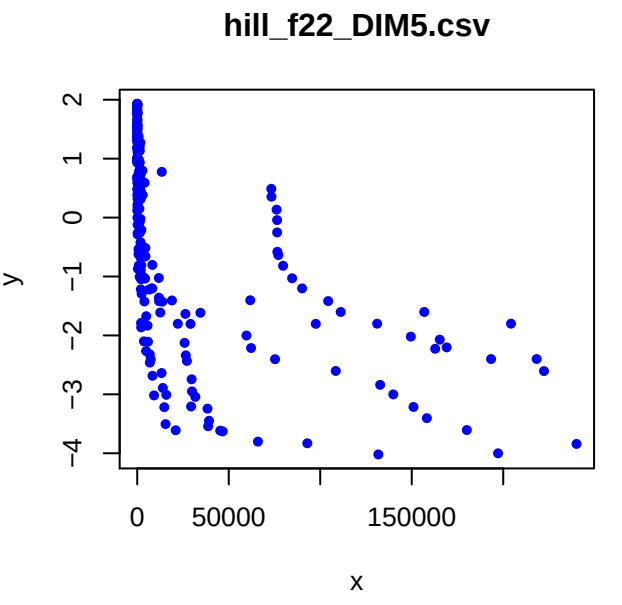
1.5
2.0
0
1000
3000
5000


hill_f22_DIM5.csv
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−1
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1
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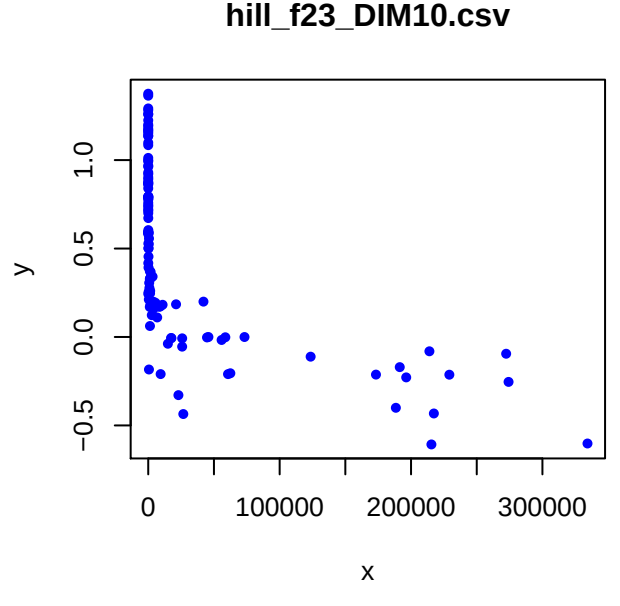
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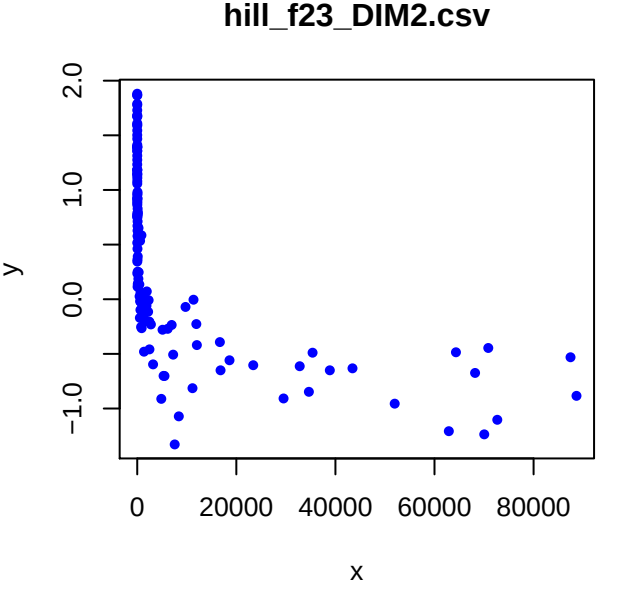
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2.0
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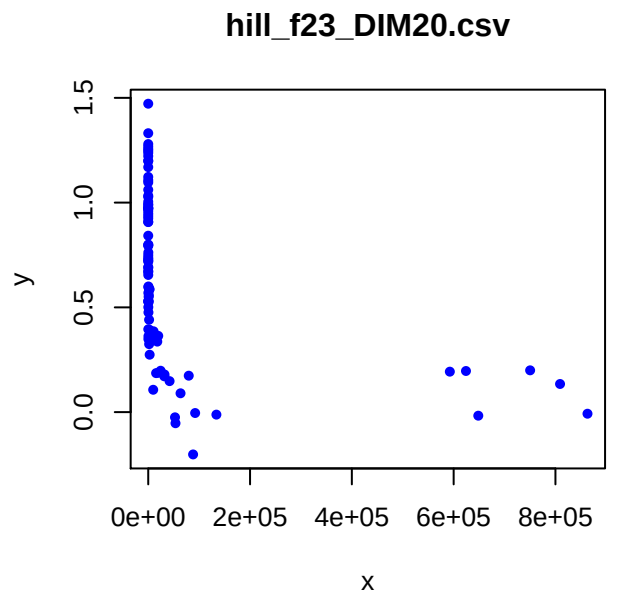
40000
60000
80000


hill_f23_DIM20.csv
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1.5
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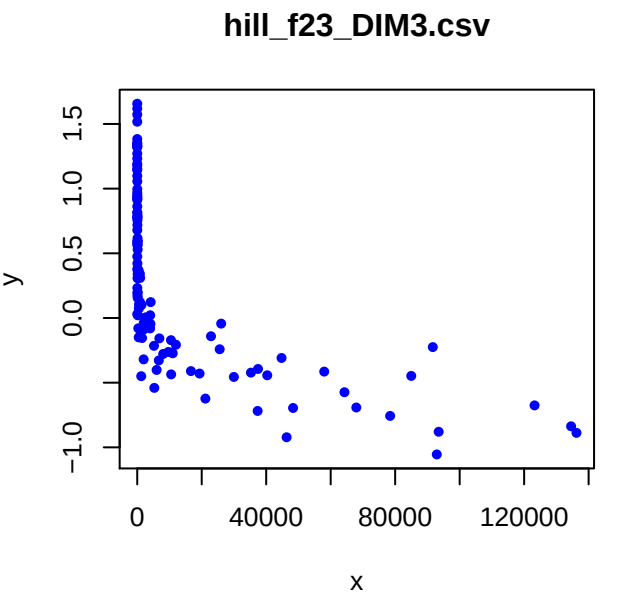
2e+05
4e+05
6e+05
8e+05


hill_f23_DIM3.csv
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x
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1.0
1.5
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40000
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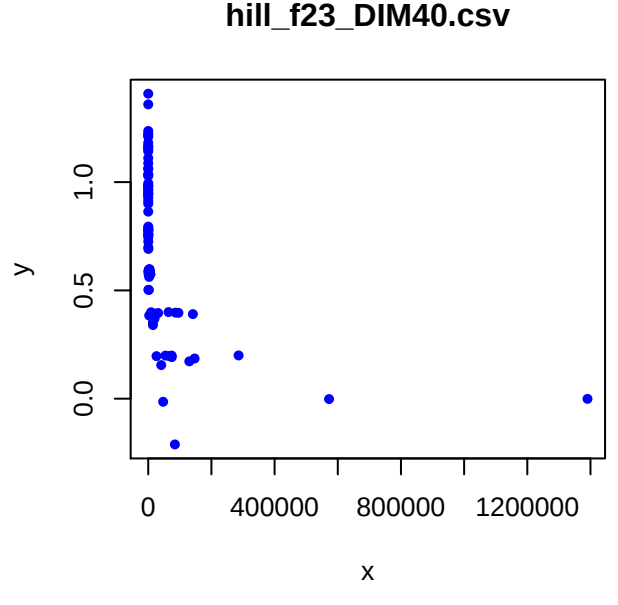
120000


hill_f23_DIM40.csv
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x
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400000
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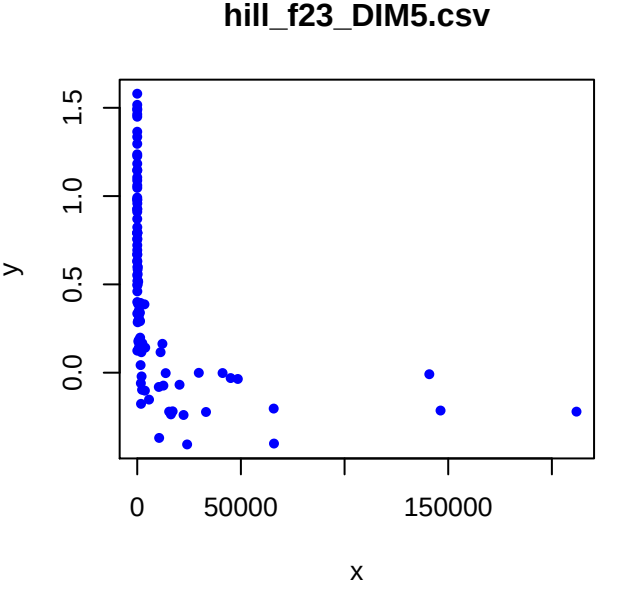
hill_f23_DIM5.csv
y
x
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1.0
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0
50000
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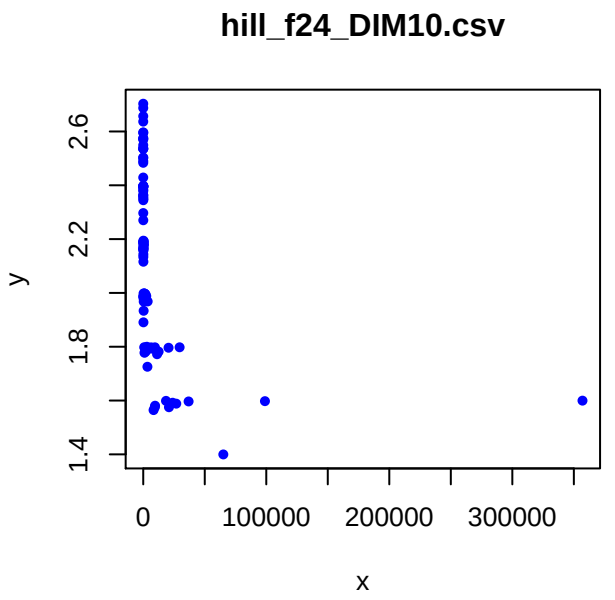
hill_f24_DIM10.csv
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x
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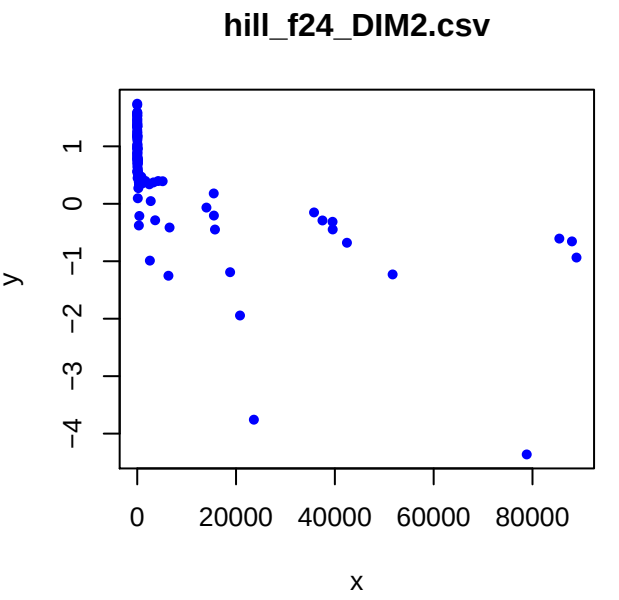
1.8
2.2
2.6
0
100000
200000
300000


hill_f24_DIM2.csv
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x
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−3
−2
−1
0
1
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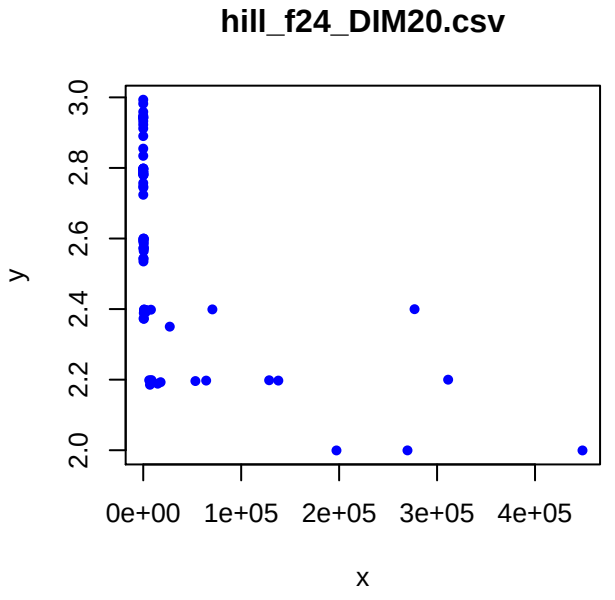
60000
80000


hill_f24_DIM20.csv
y
x
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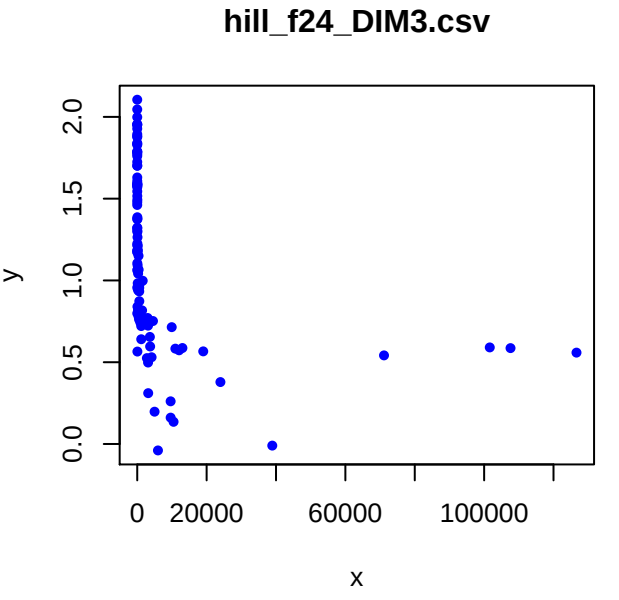
2.2
2.4
2.6
2.8
3.0
0e+00
1e+05
2e+05
3e+05
4e+05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1.0
1.5
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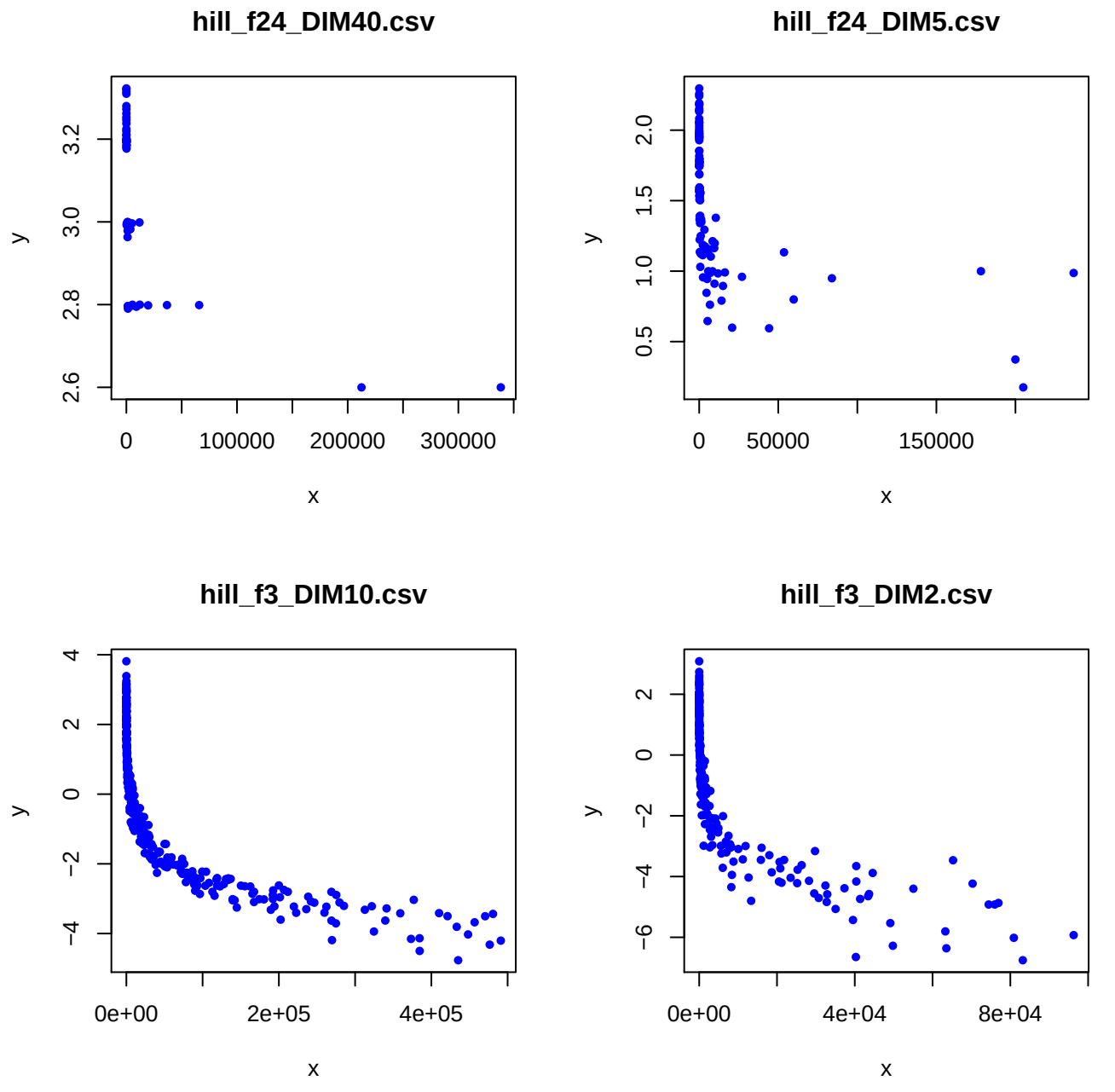
20000
60000
100000


hill_f24_DIM40.csv
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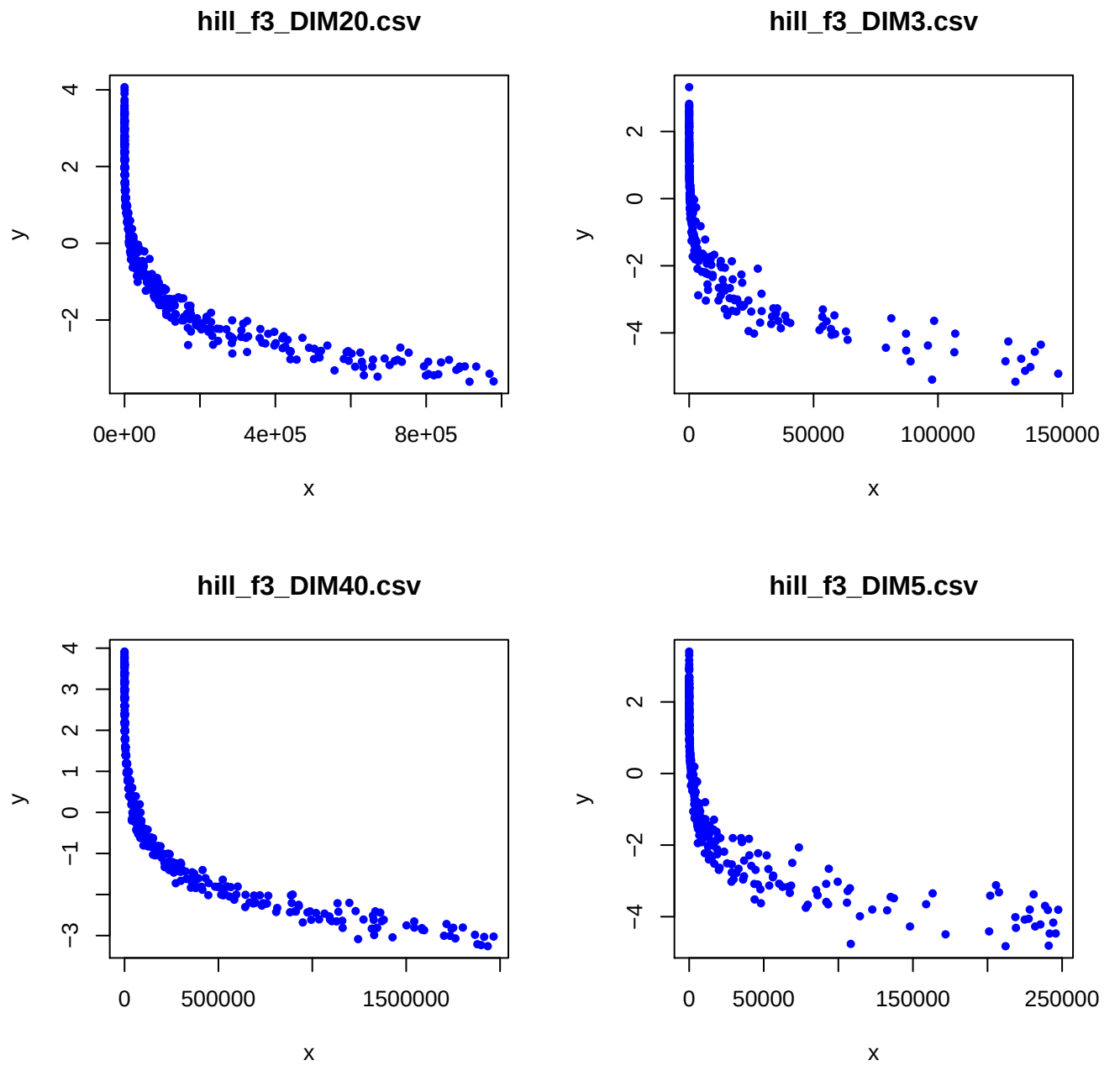
3.0
2.8
2.6
0
100000
200000
300000
x
hill_f24_DIM5.csv
y
2.0
1.5
1.0
0.5
0
50000
150000
x
hill_f3_DIM10.csv
y
4
2
0
−2
−4
0e+00
2e+05
4e+05
x
hill_f3_DIM2.csv
y
2
0
−2
−4
−6
0e+00
4e+04
8e+04
x


hill_f3_DIM20.csv
y
x
0e+00
4e+05
8e+05
hill_f3_DIM3.csv
y
x
0
50000
100000
150000
hill_f3_DIM40.csv
y
x
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500000
1500000
hill_f3_DIM5.csv
y
x
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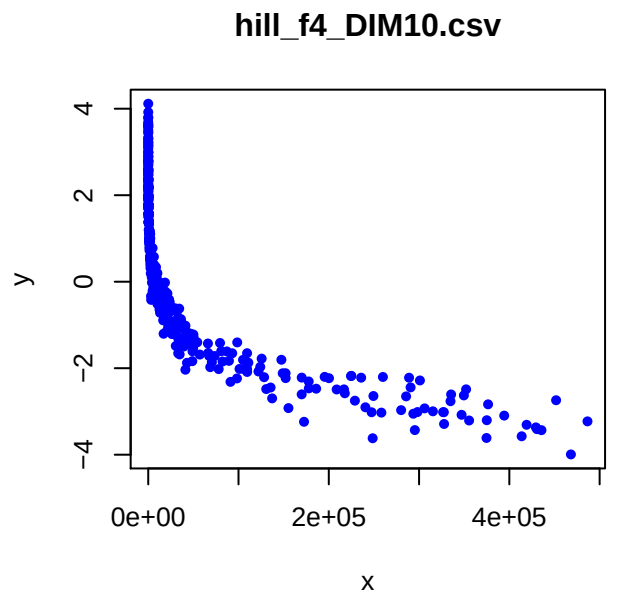
50000
150000
250000


hill_f4_DIM10.csv
y
x
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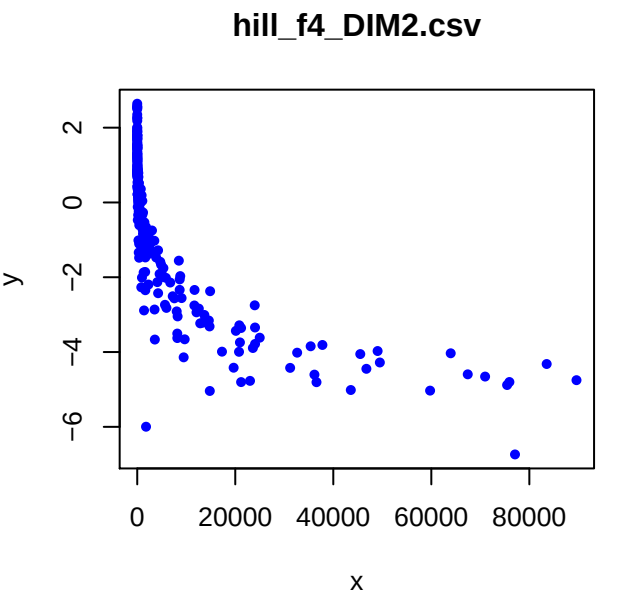
2
0
−2
−4
0e+00
2e+05
4e+05


hill_f4_DIM2.csv
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x
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−6
0
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40000
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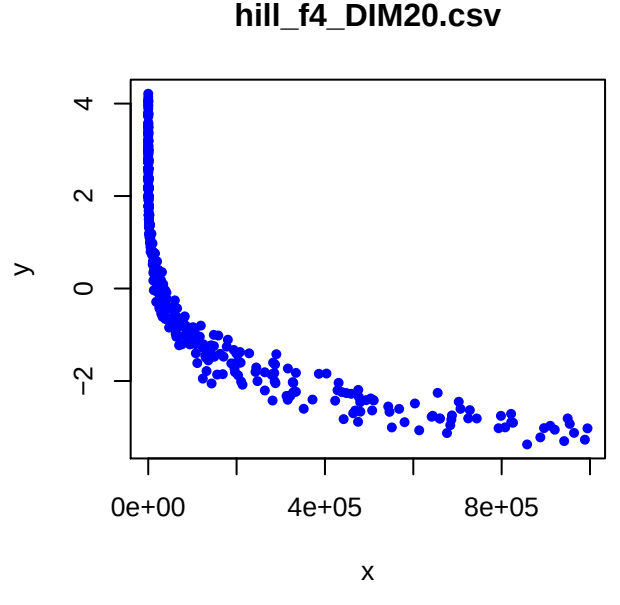
80000


hill_f4_DIM20.csv
y
x
4
2
0
−2
0e+00
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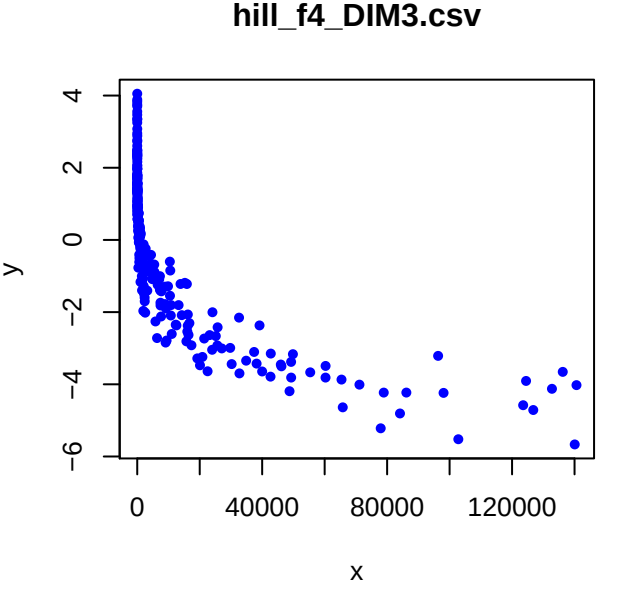
8e+05


hill_f4_DIM3.csv
y
x
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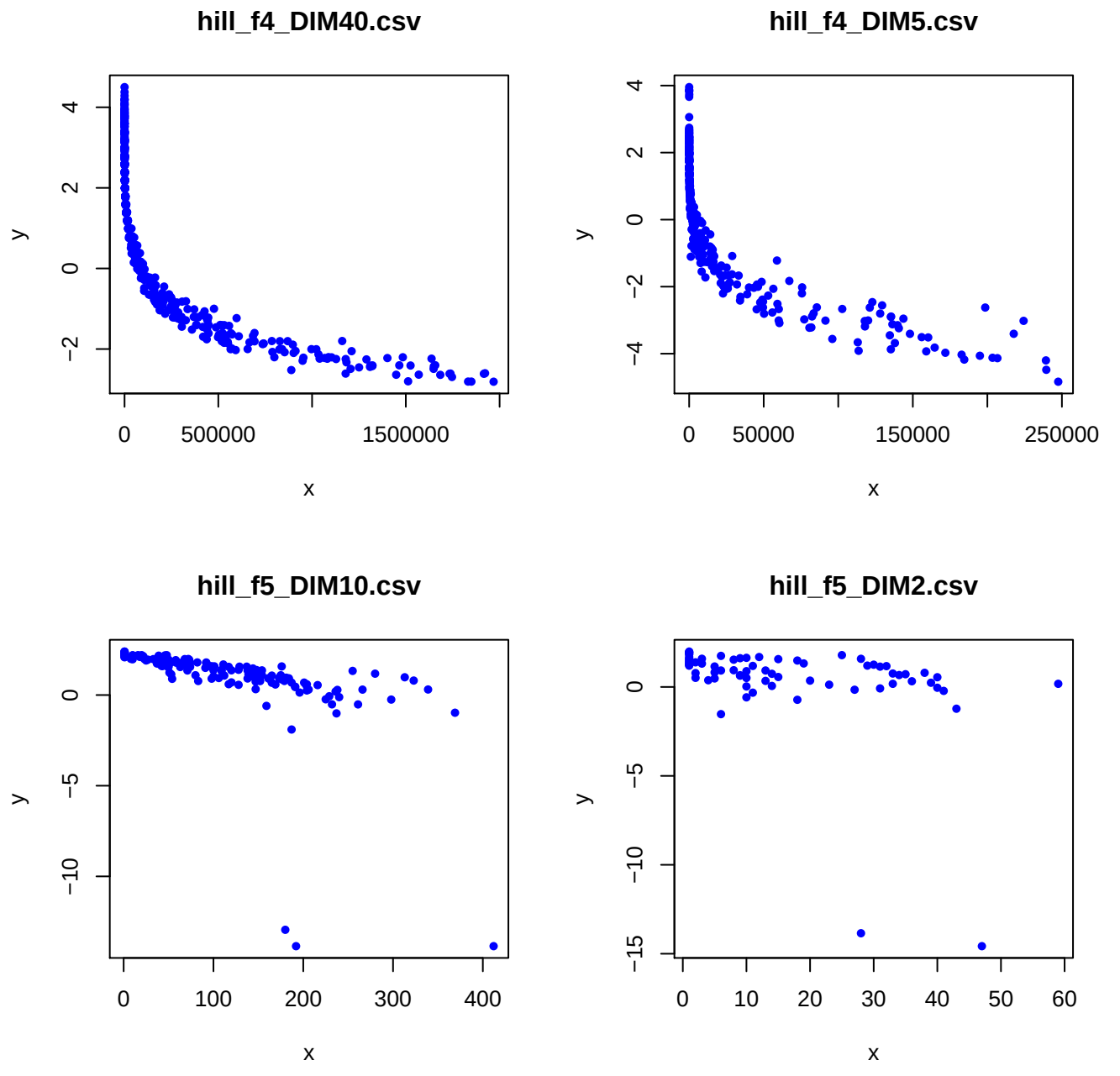
hill_f4_DIM40.csv
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hill_f4_DIM5.csv
y
x
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2
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−2
−4
0
50000
150000
250000
hill_f5_DIM10.csv
y
x
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−5
−10
0
100
200
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400
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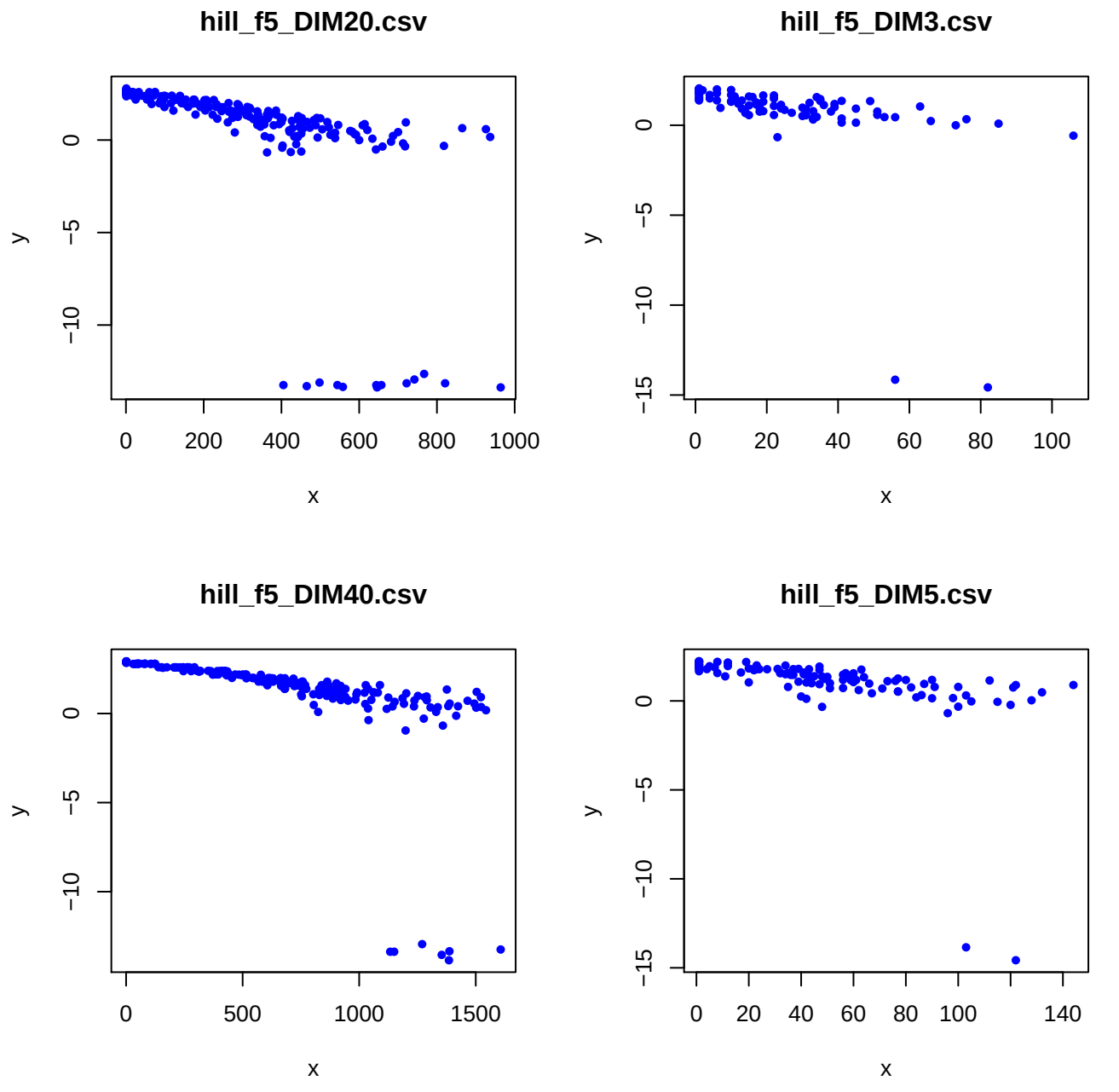
hill_f5_DIM20.csv
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600
800
1000
x
hill_f5_DIM3.csv
y
0
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−10
−15
0
20
40
60
80
100
x
hill_f5_DIM40.csv
y
0
−5
−10
0
500
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80
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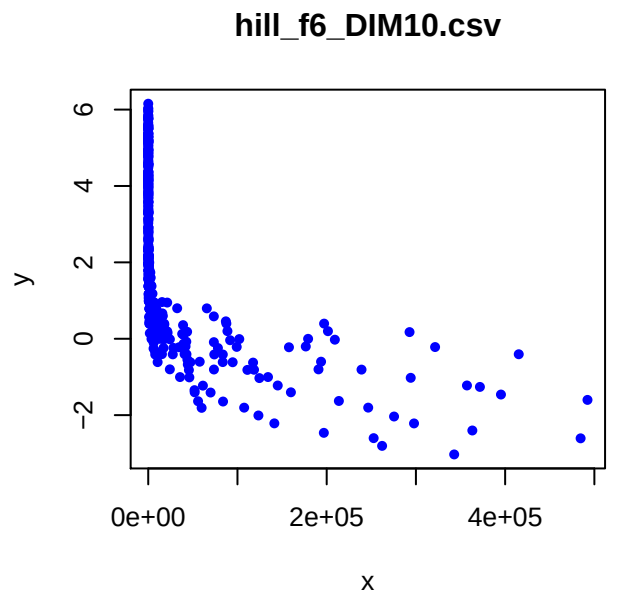
140
x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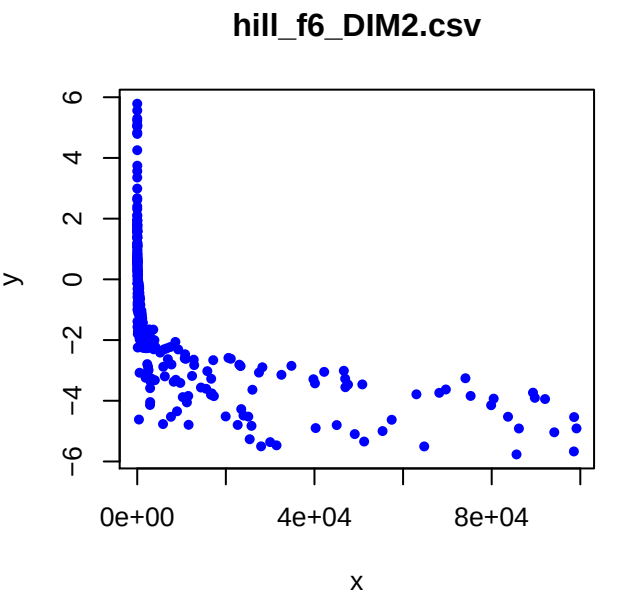
2e+05
4e+05
x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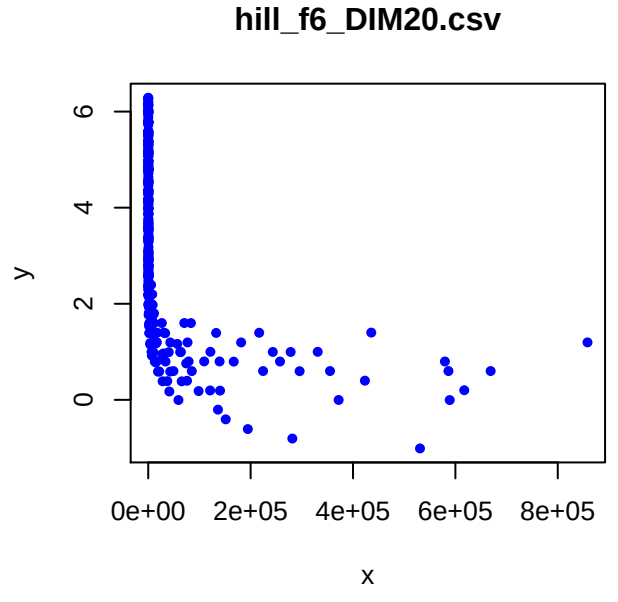
x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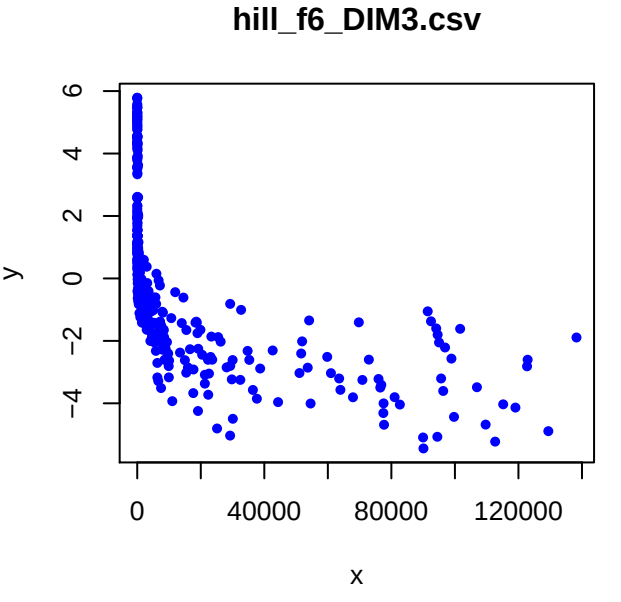
x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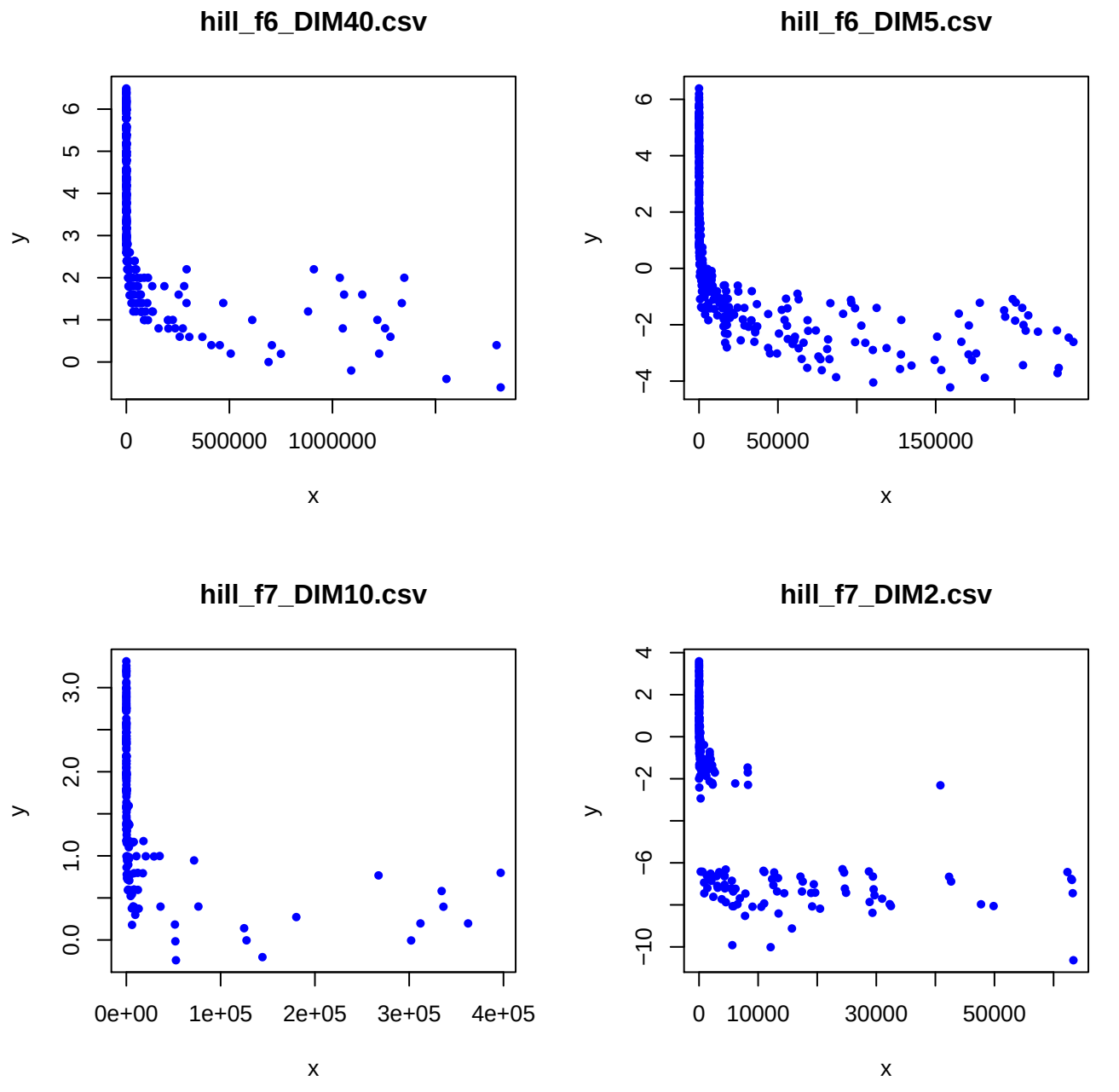
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hill_f6_DIM5.csv
y
x
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2
4
6
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50000
150000
hill_f7_DIM10.csv
y
x
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1.0
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3.0
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1e+05
2e+05
3e+05
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hill_f7_DIM2.csv
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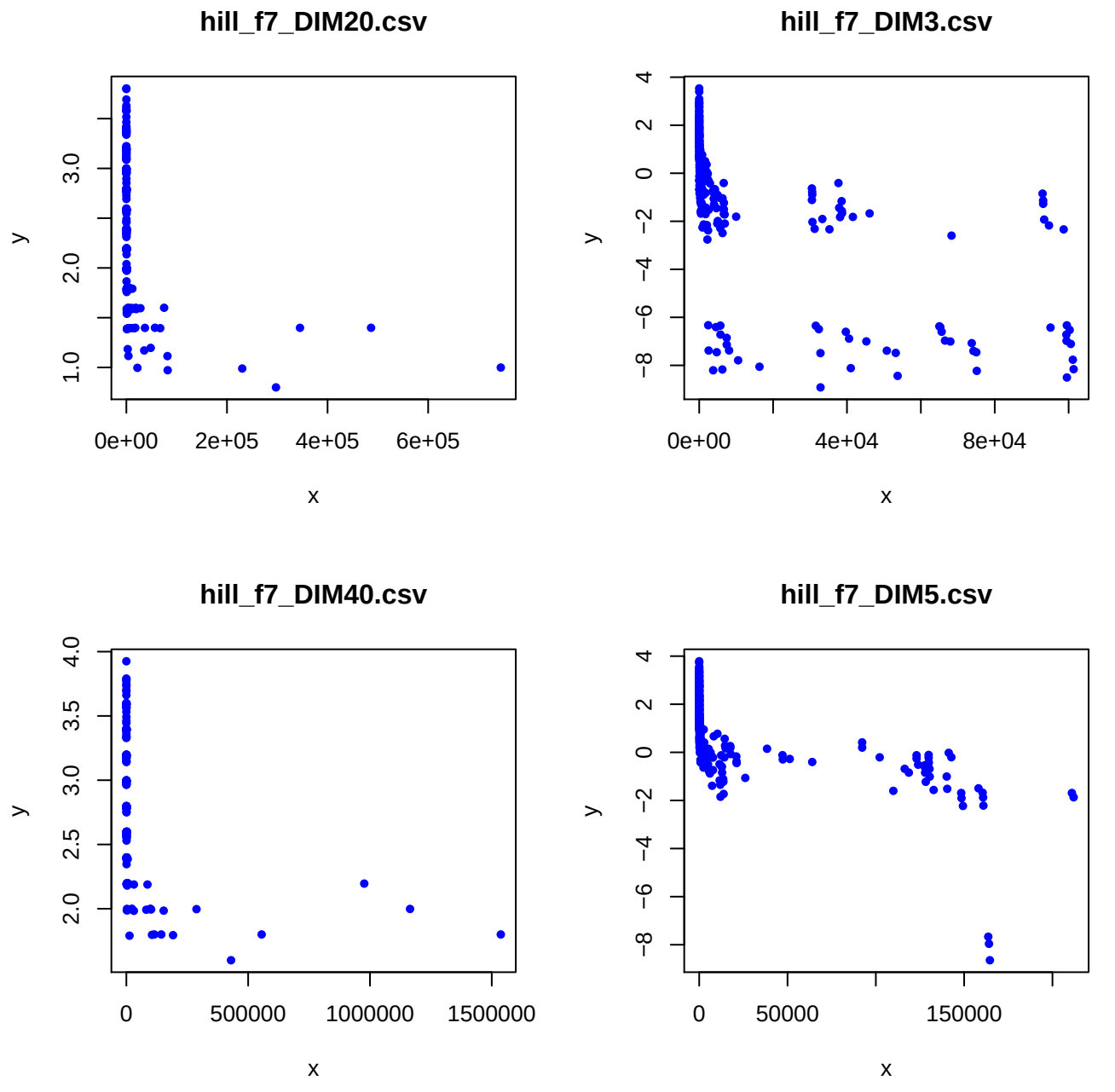
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0e+00
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6e+05
x
hill_f7_DIM3.csv
y
4
2
0
−2
−4
−6
−8
0e+00
4e+04
8e+04
x
hill_f7_DIM40.csv
y
2.0
2.5
3.0
3.5
4.0
0
500000
1000000
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x
hill_f7_DIM5.csv
y
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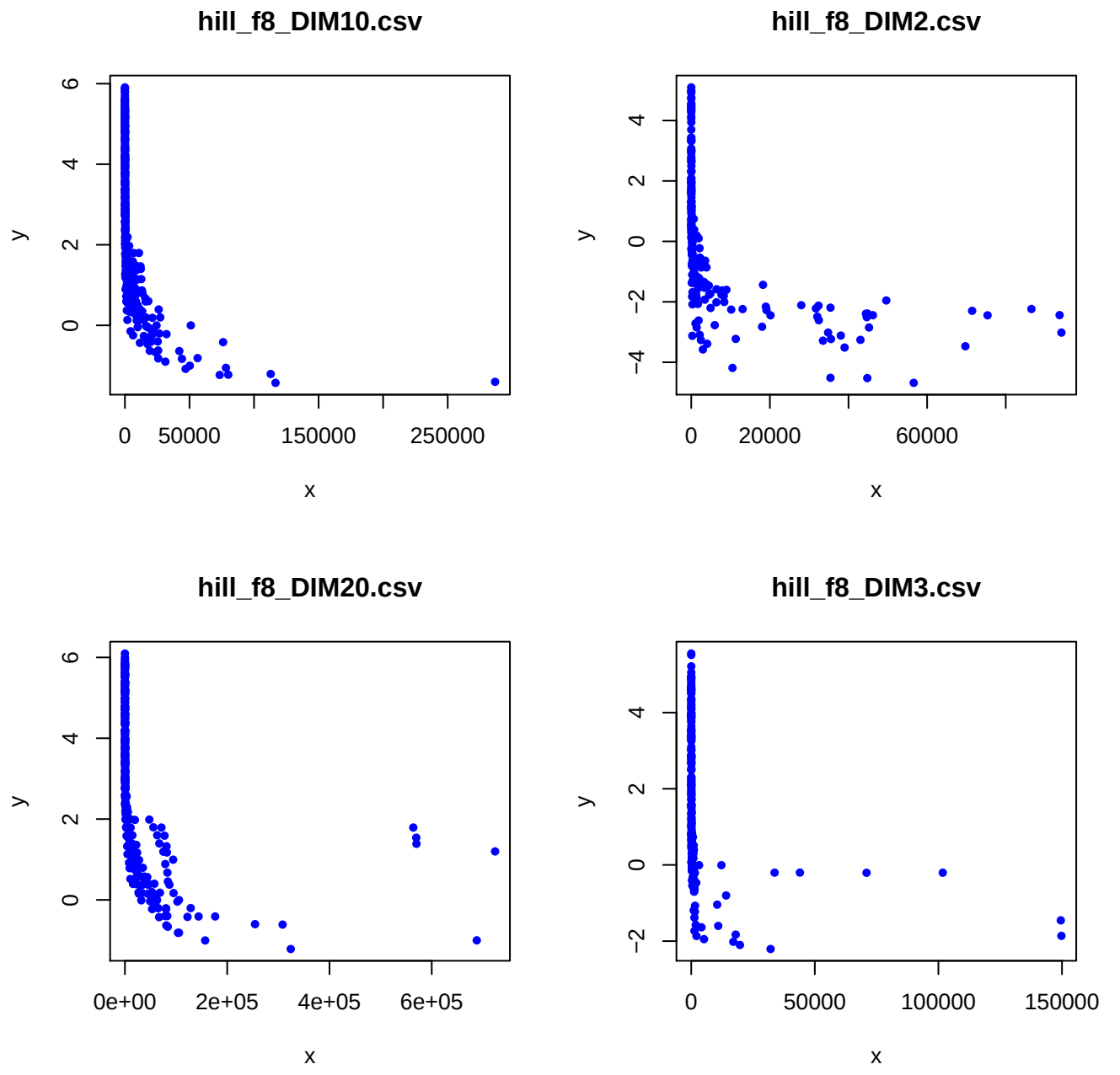
50000
150000
x


hill_f8_DIM10.csv
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0
50000
150000
250000
x
hill_f8_DIM2.csv
y
4
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0
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−4
0
20000
60000
x
hill_f8_DIM20.csv
y
6
4
2
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2e+05
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x
hill_f8_DIM3.csv
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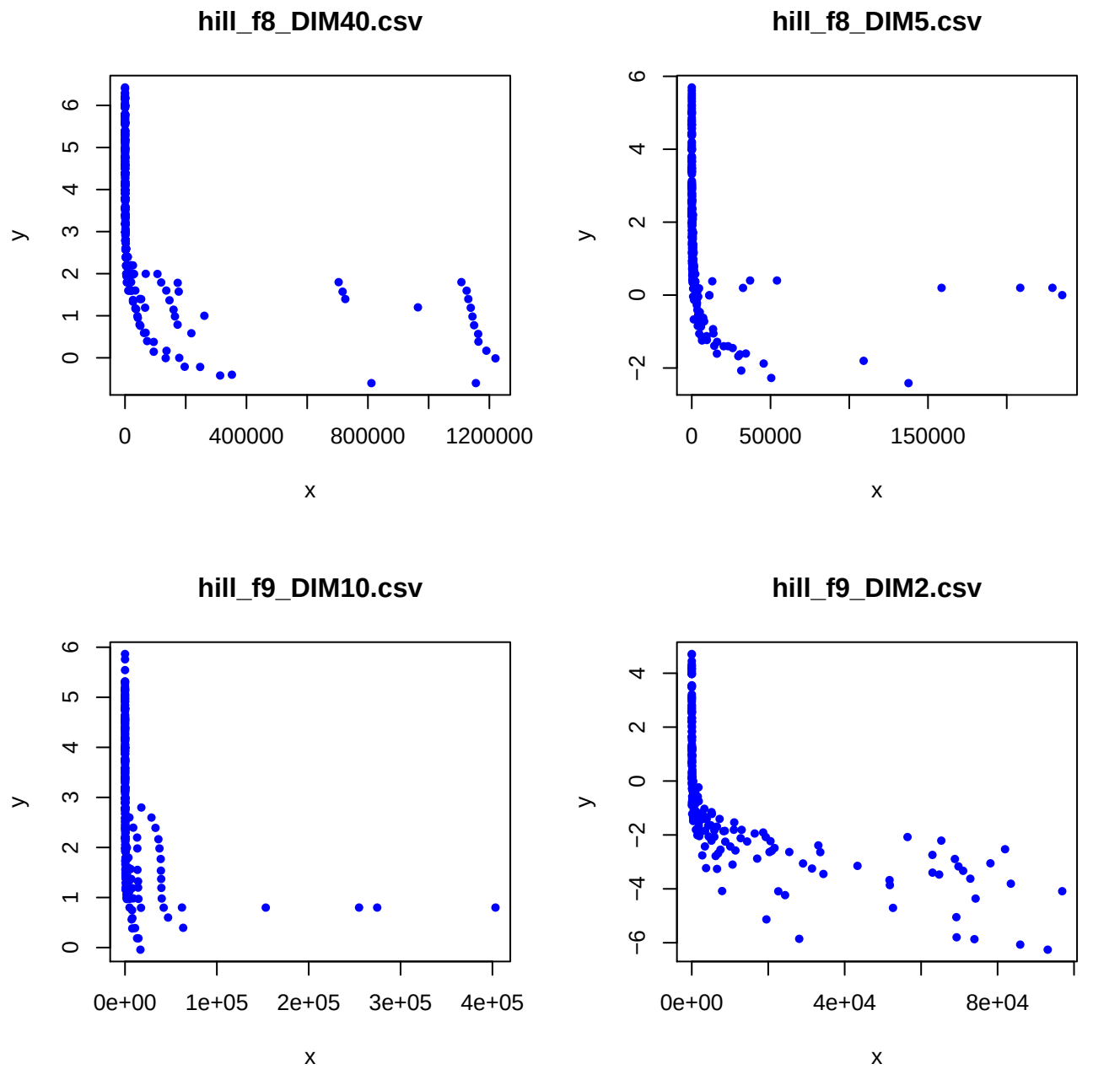
150000
x


hill_f8_DIM40.csv
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hill_f8_DIM5.csv
y
x
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150000
hill_f9_DIM10.csv
y
x
0e+00
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3e+05
4e+05
hill_f9_DIM2.csv
y
x
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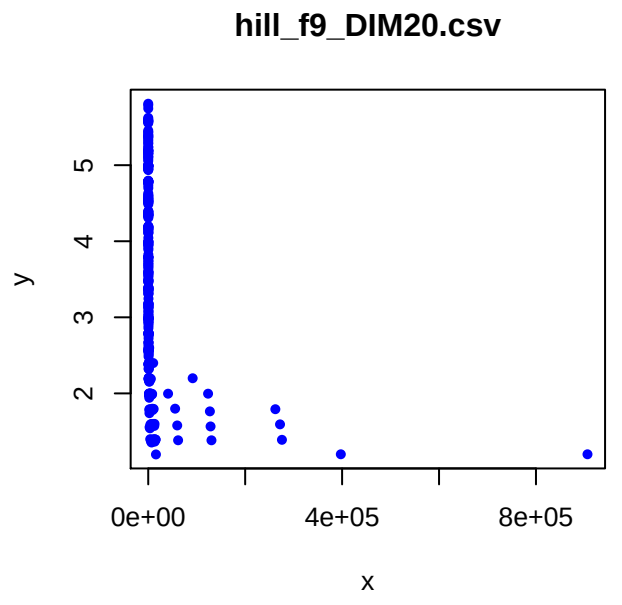
4e+04
8e+04


hill_f9_DIM20.csv
y
x
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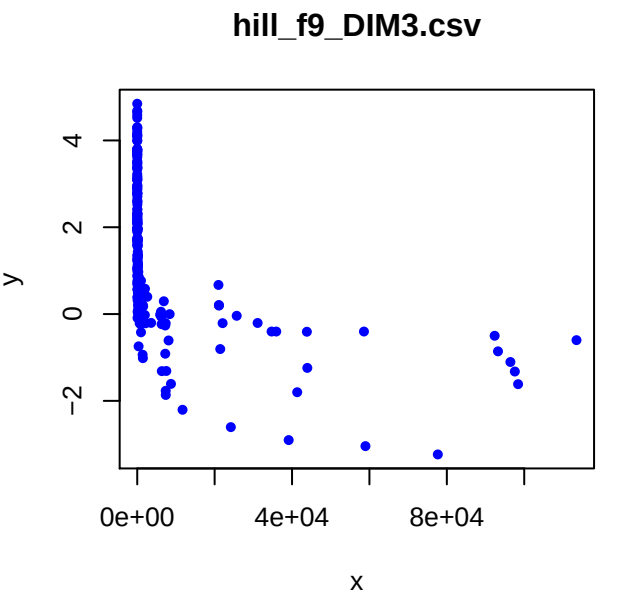
5


hill_f9_DIM3.csv
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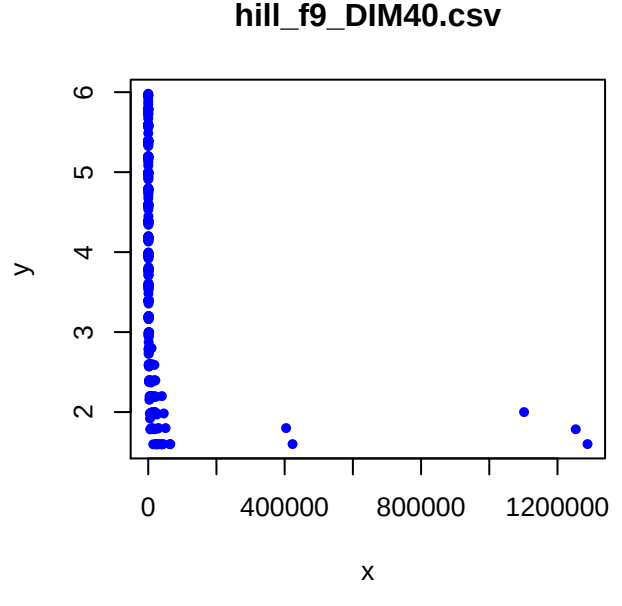
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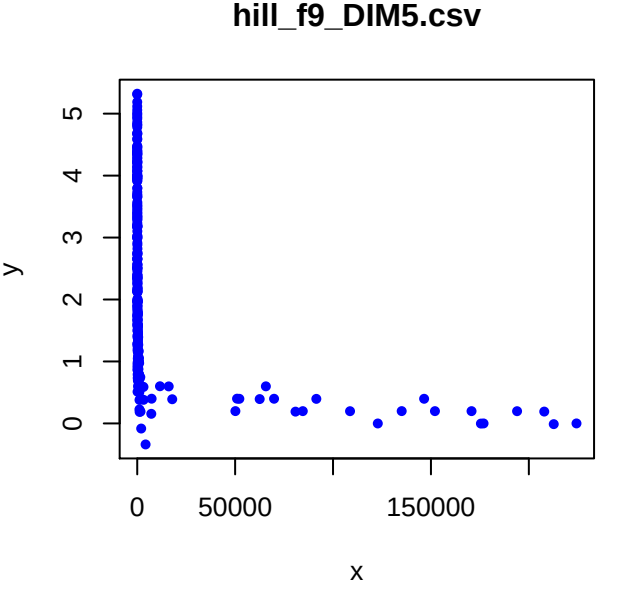
hill_f9_DIM5.csv
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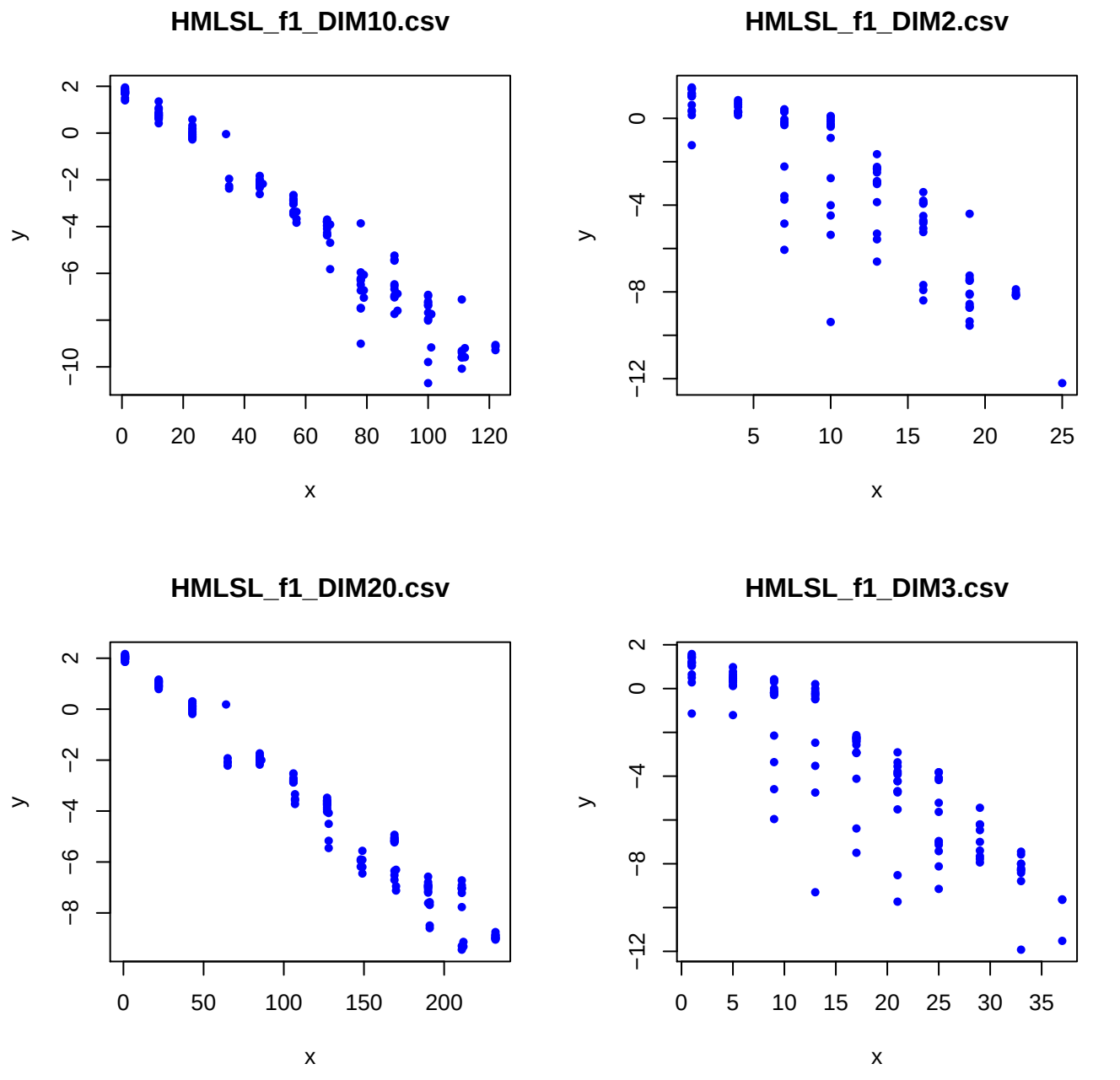
HMLSL_f1_DIM10.csv
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x
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80
100
120
HMLSL_f1_DIM2.csv
y
x
0
−4
−8
−12
5
10
15
20
25
HMLSL_f1_DIM20.csv
y
x
2
0
−2
−4
−6
−8
0
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100
150
200
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y
x
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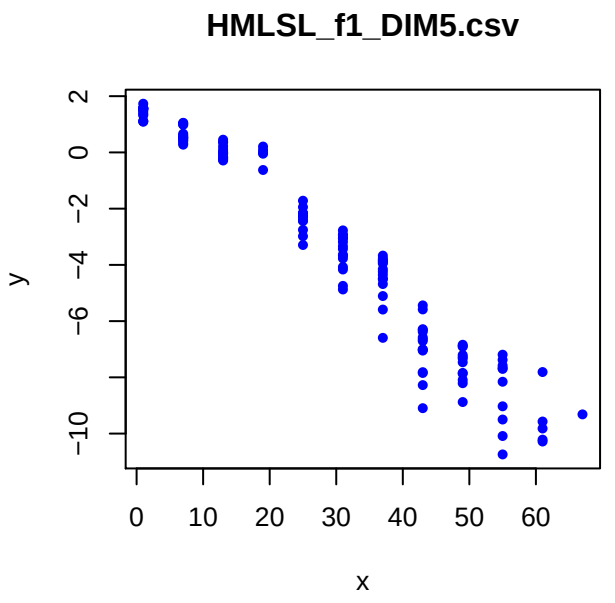
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x
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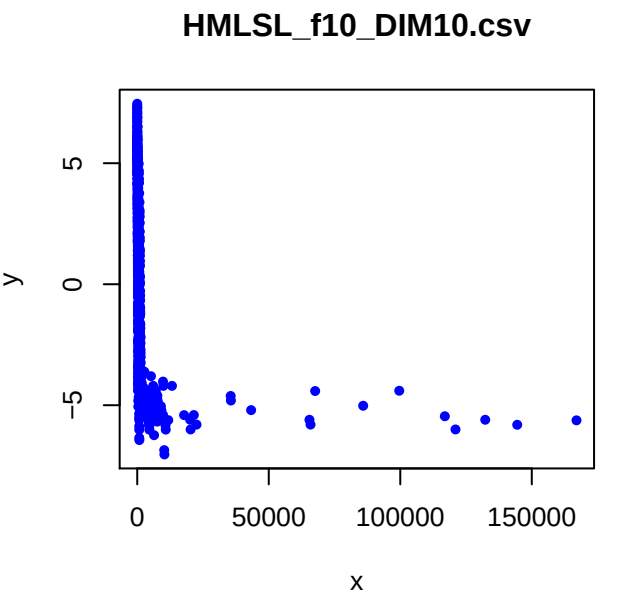
HMLSL_f10_DIM10.csv
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x
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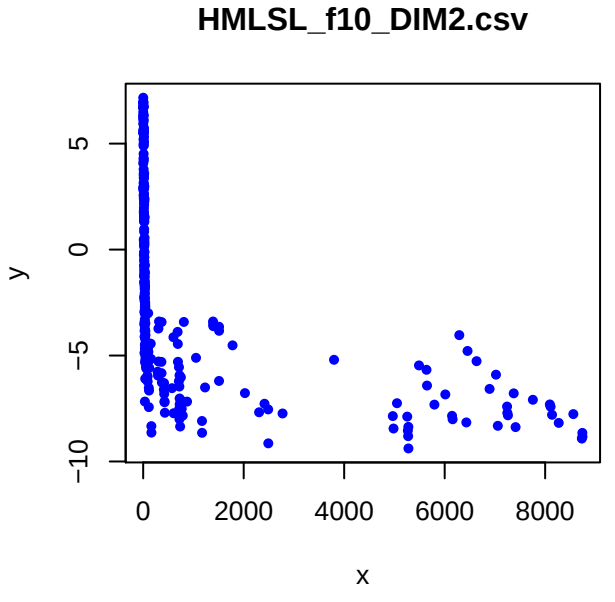
150000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x
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−5
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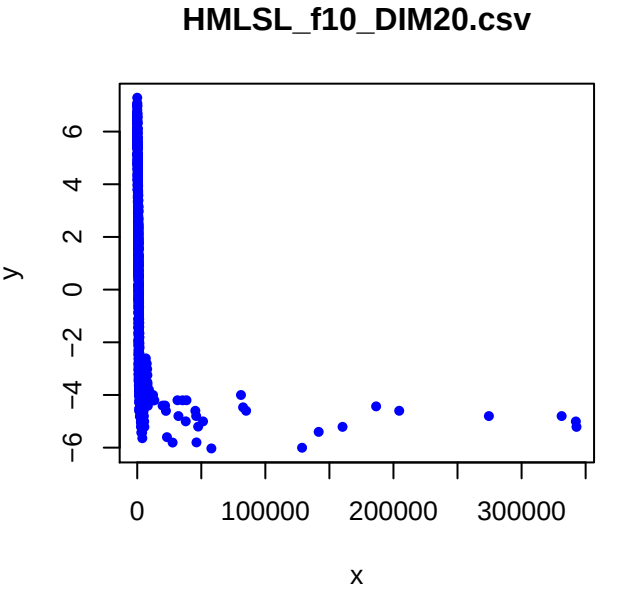
4000
6000
8000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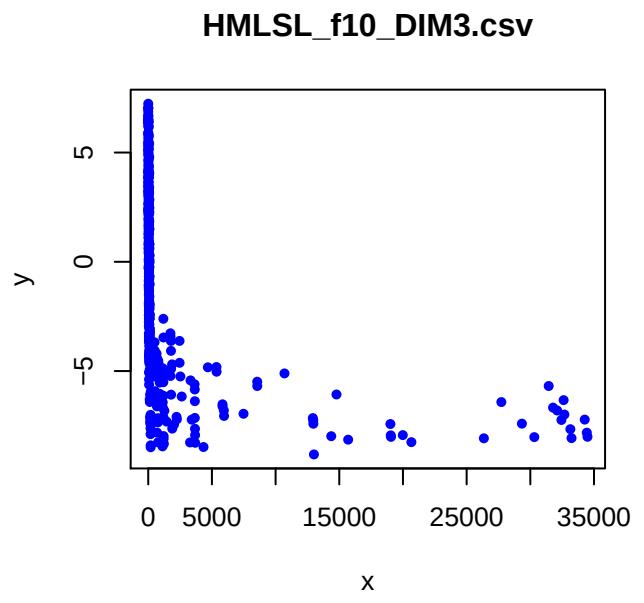
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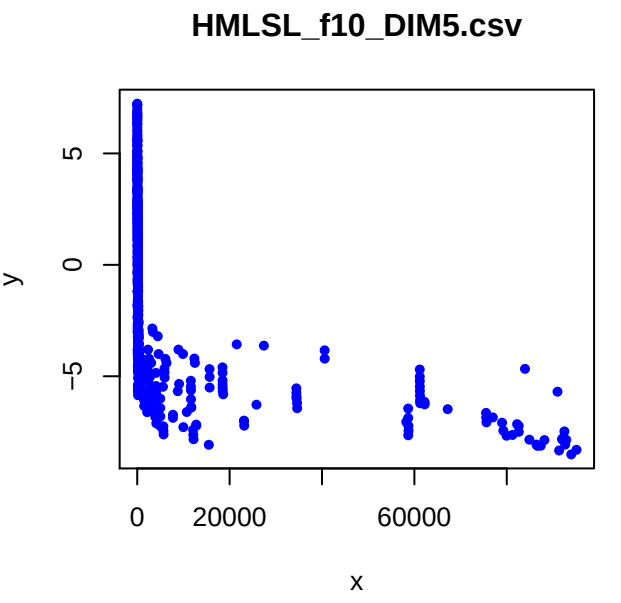
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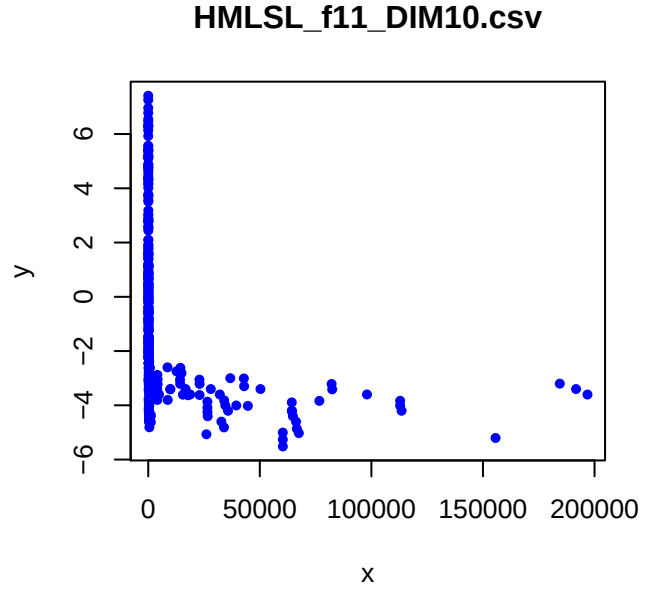
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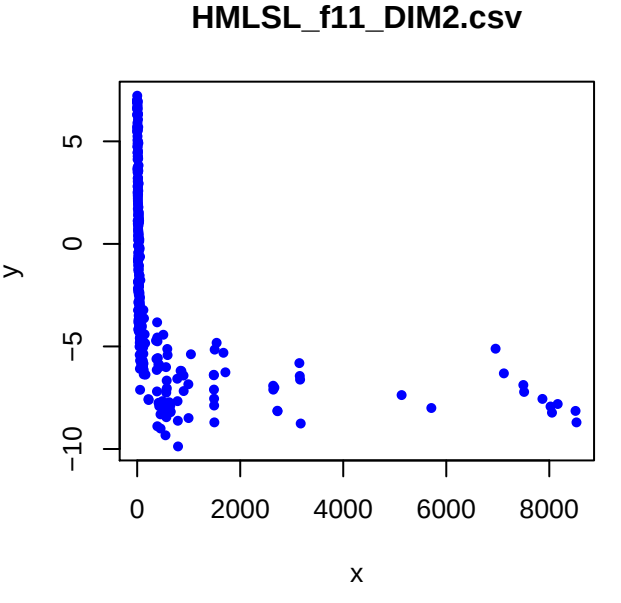
100000
150000
200000
x


HMLSL_f11_DIM2.csv
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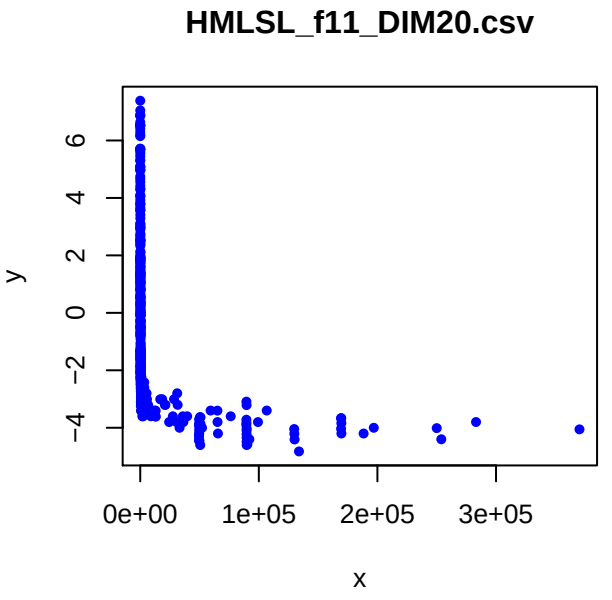
8000
x


HMLSL_f11_DIM20.csv
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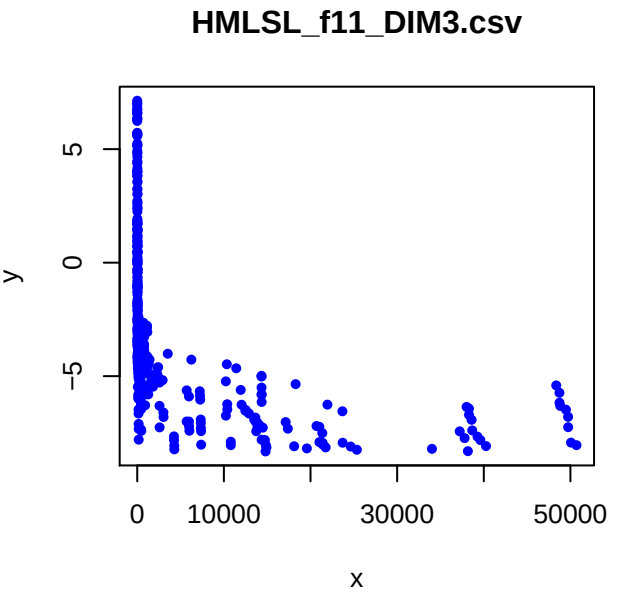
x


HMLSL_f11_DIM3.csv
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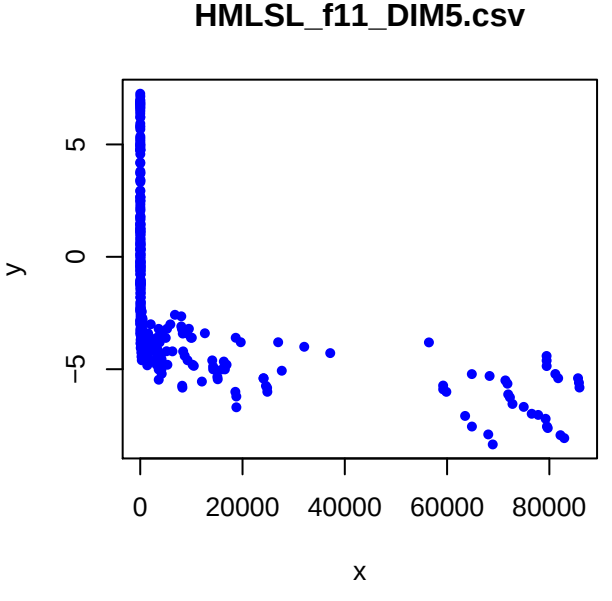
x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60000
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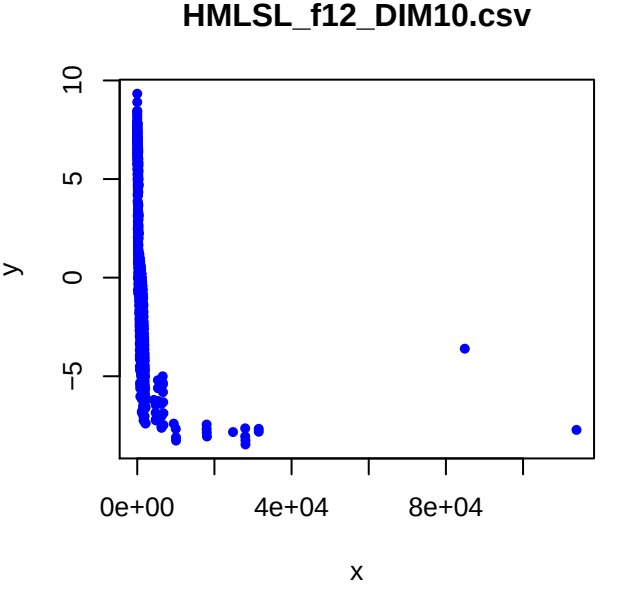
x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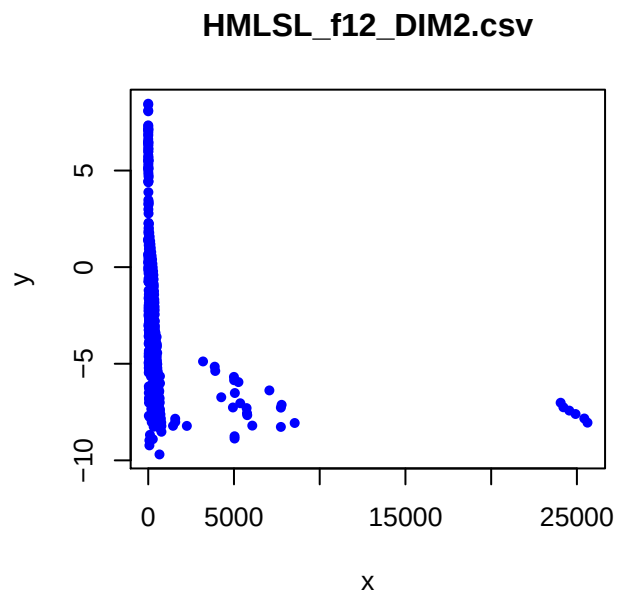
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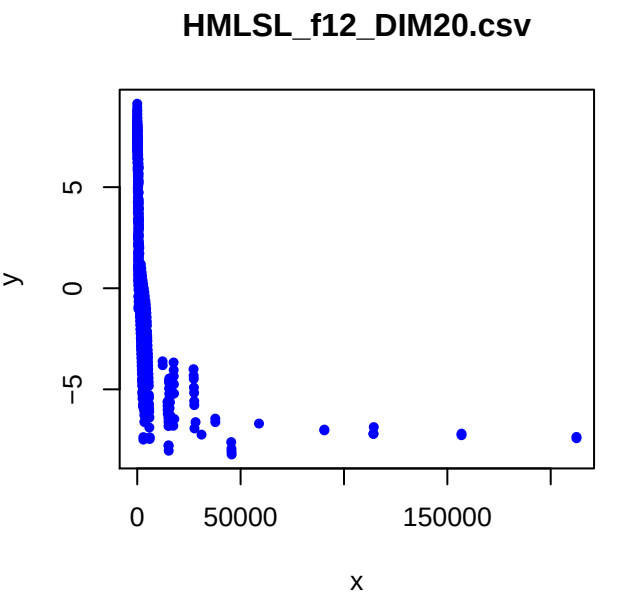
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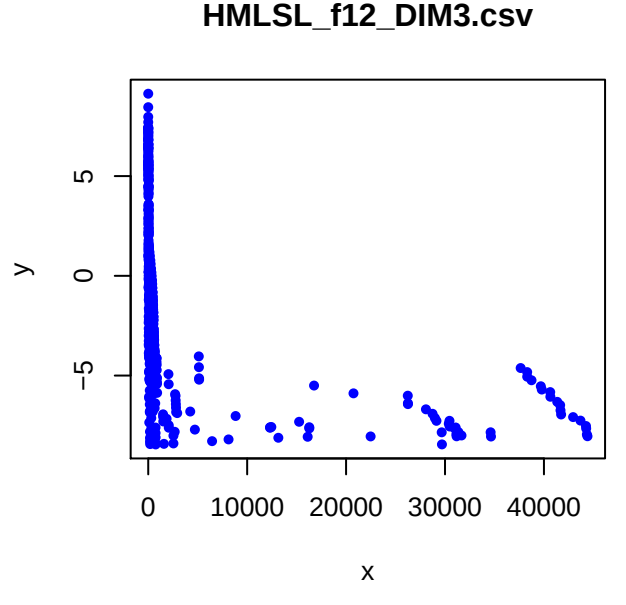
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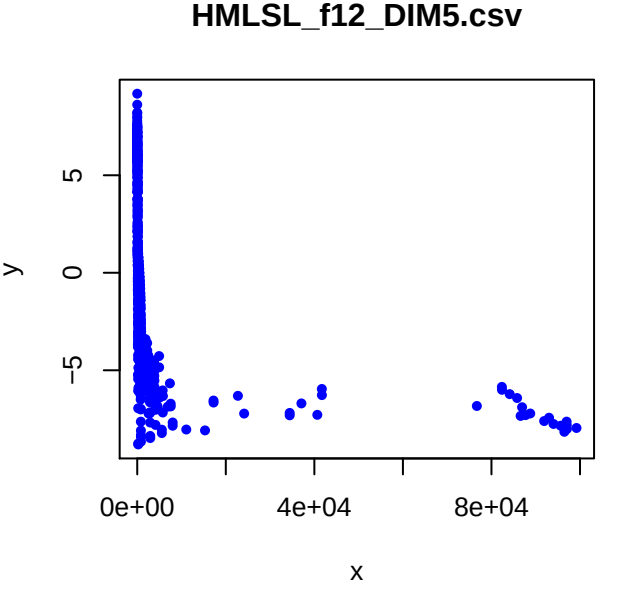
HMLSL_f12_DIM5.csv
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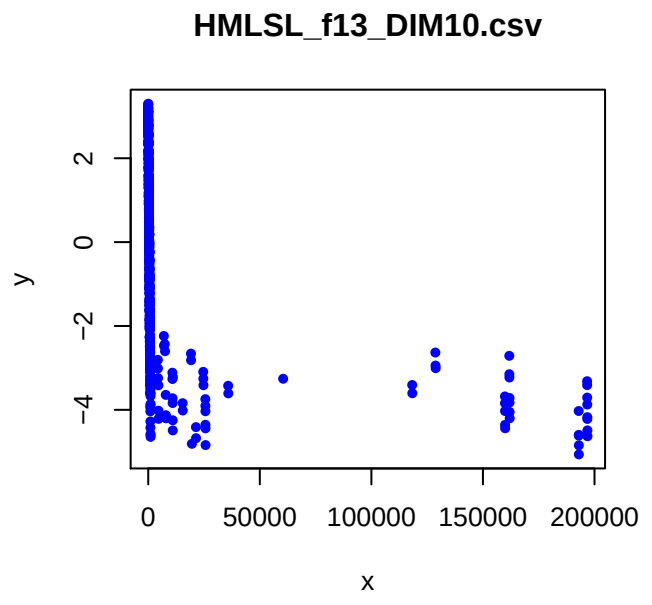
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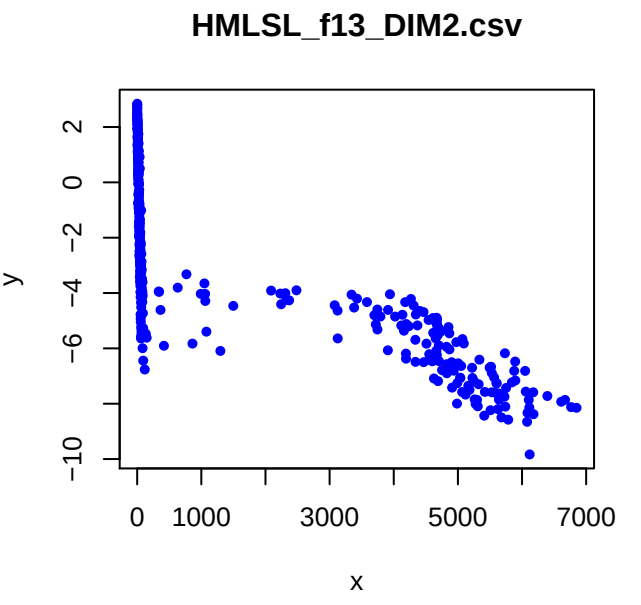
200000
x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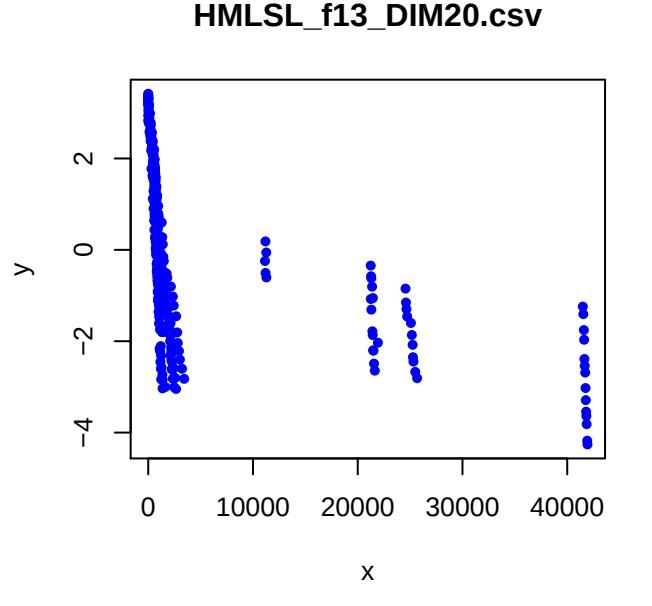
7000
x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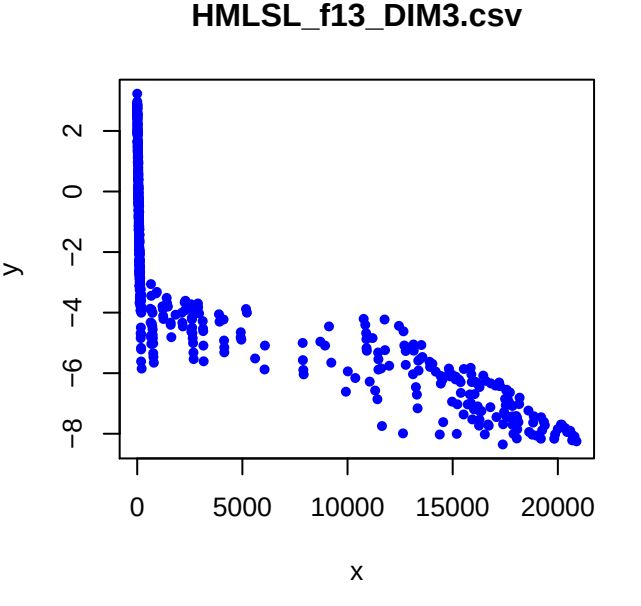
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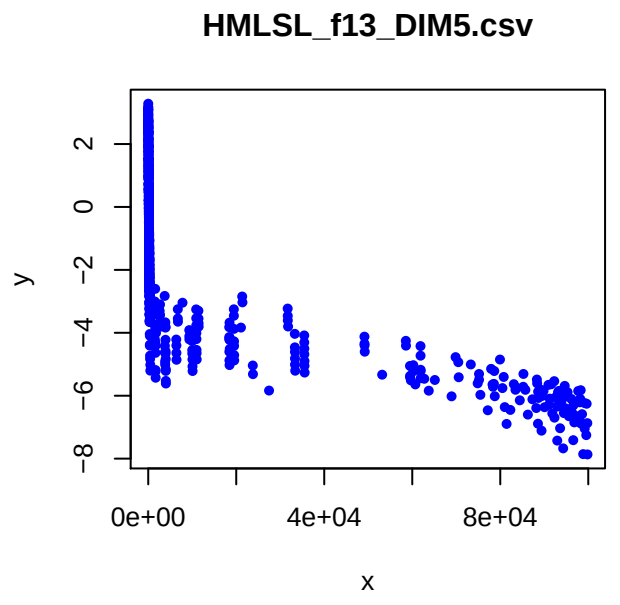
x


HMLSL_f13_DIM5.csv
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−6
−8
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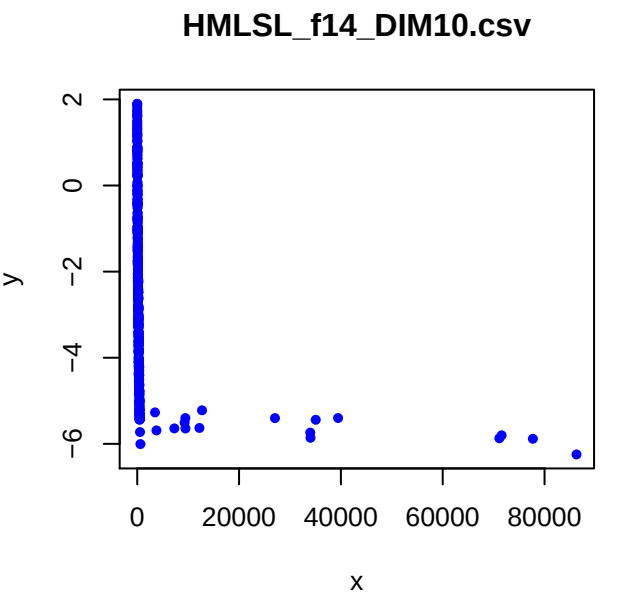
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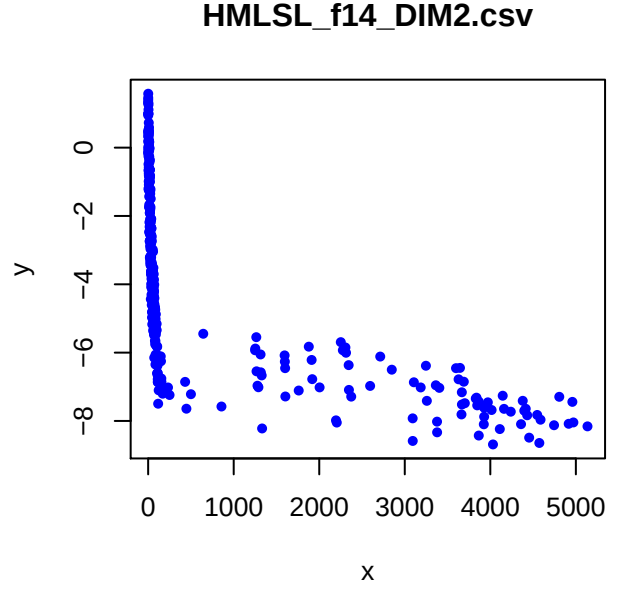
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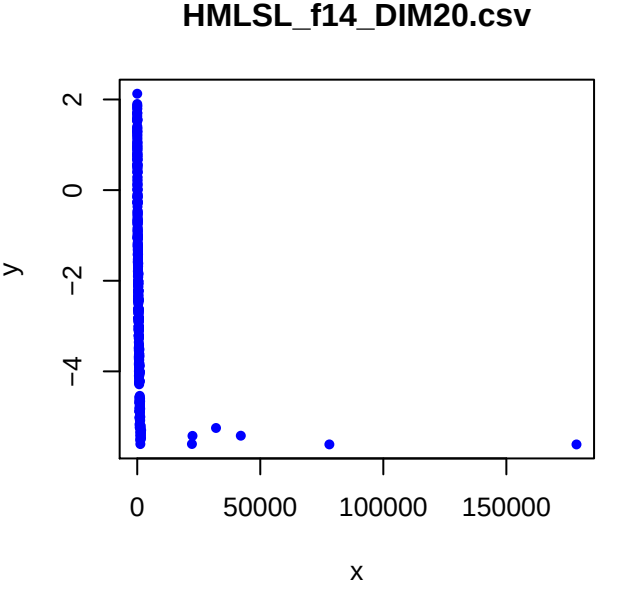
HMLSL_f14_DIM20.csv
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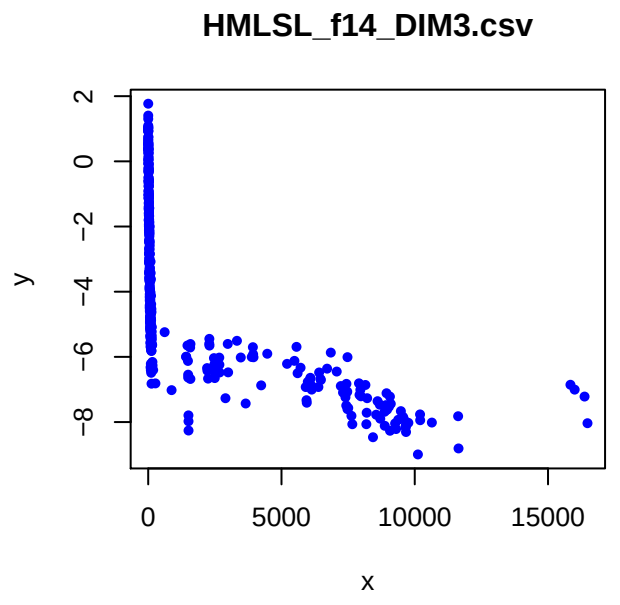
HMLSL_f14_DIM3.csv
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x
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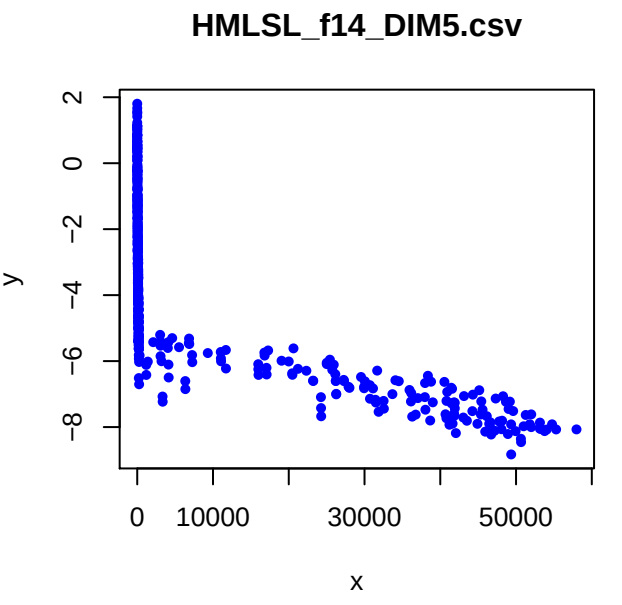
HMLSL_f14_DIM5.csv
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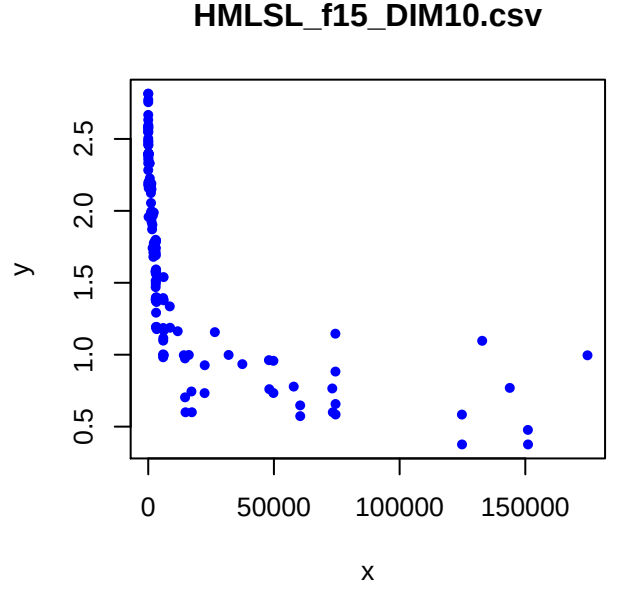
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1.5
1.0
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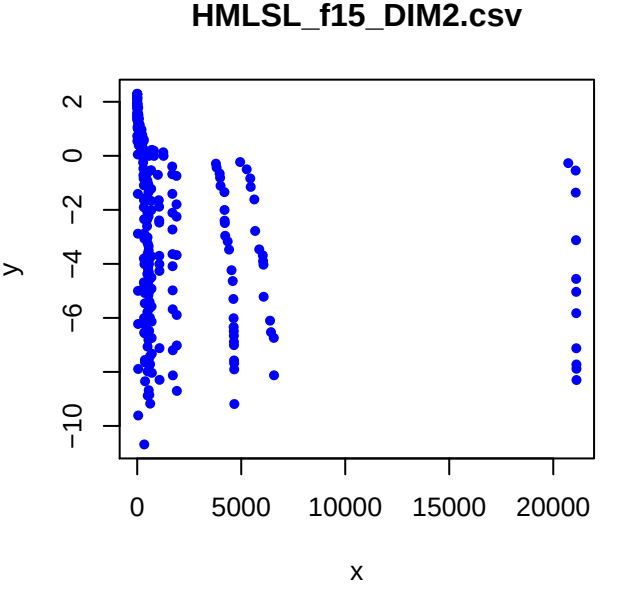
150000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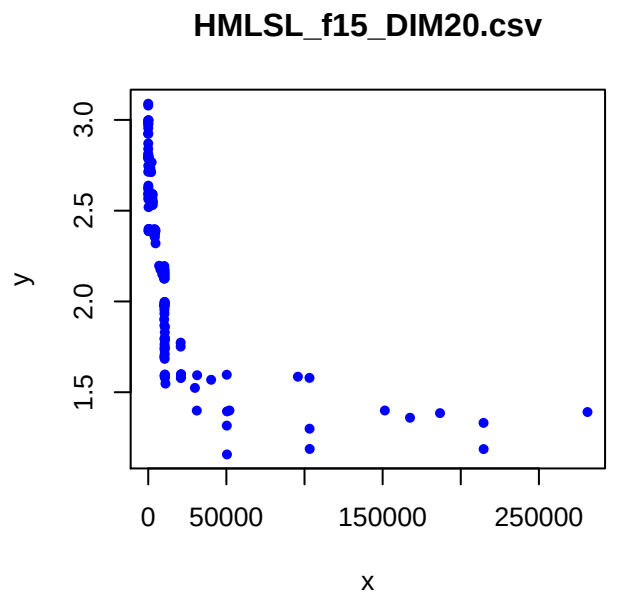
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2.5
2.0
1.5
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250000
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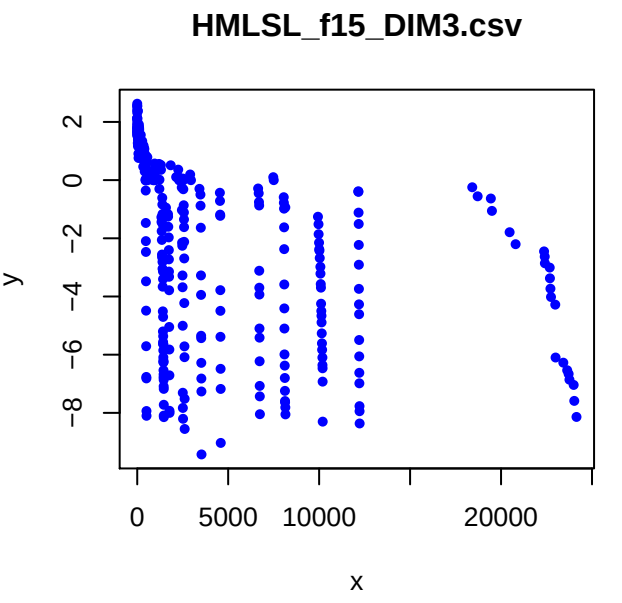
HMLSL_f15_DIM3.csv
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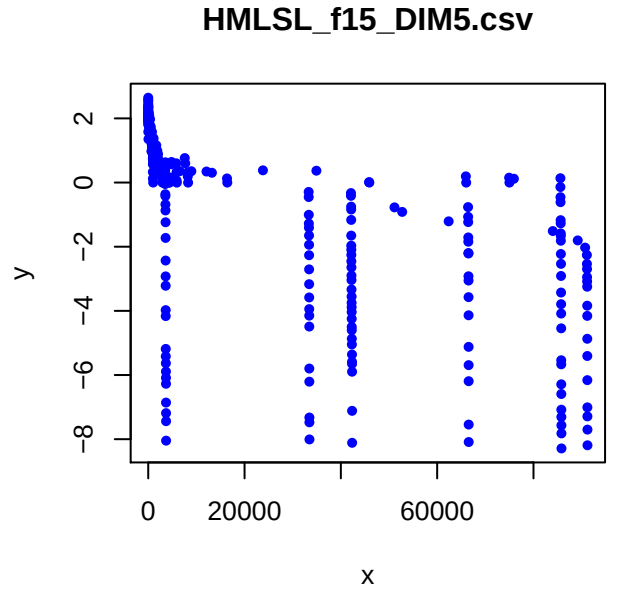
20000
x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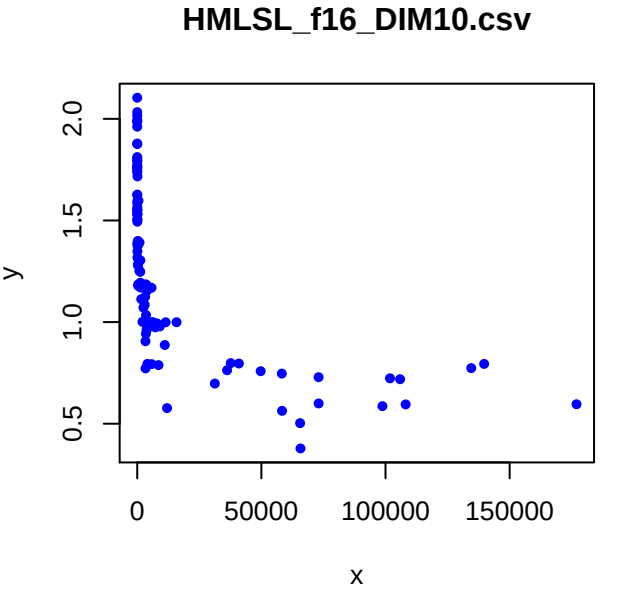
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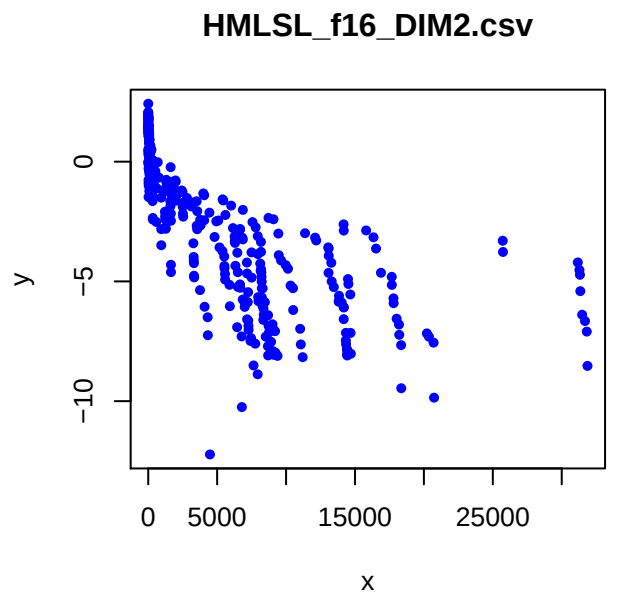
100000
150000
x


HMLSL_f16_DIM2.csv
y
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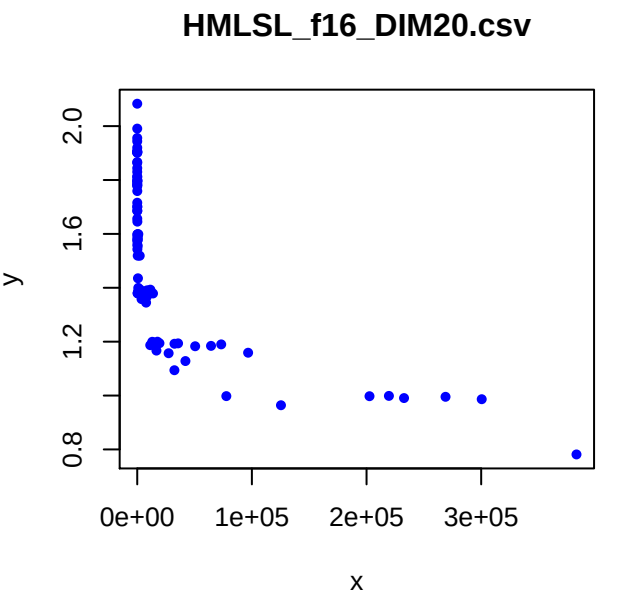
−5
−10
0
5000
15000
25000
x


HMLSL_f16_DIM20.csv
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1.2
0.8
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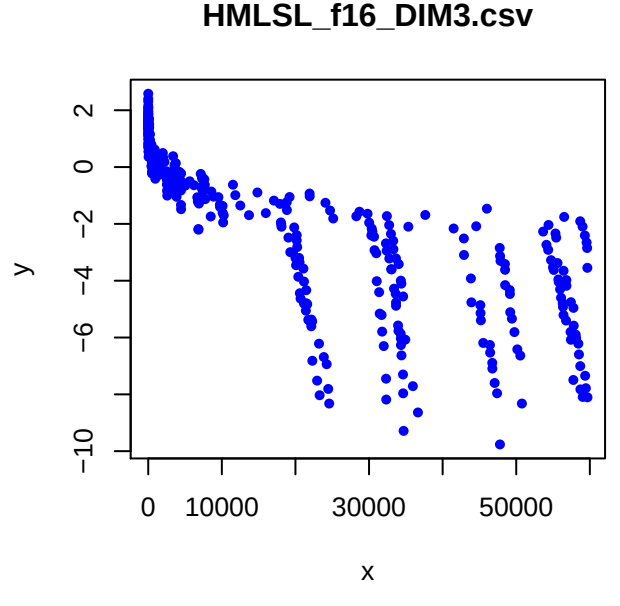
3e+05
x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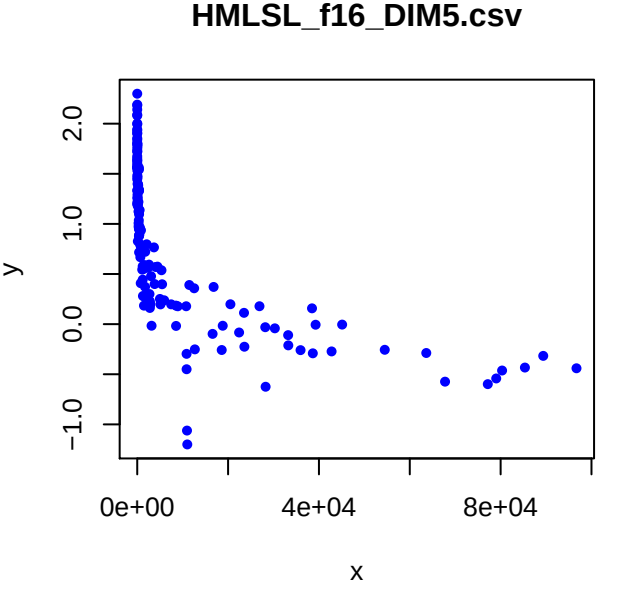
x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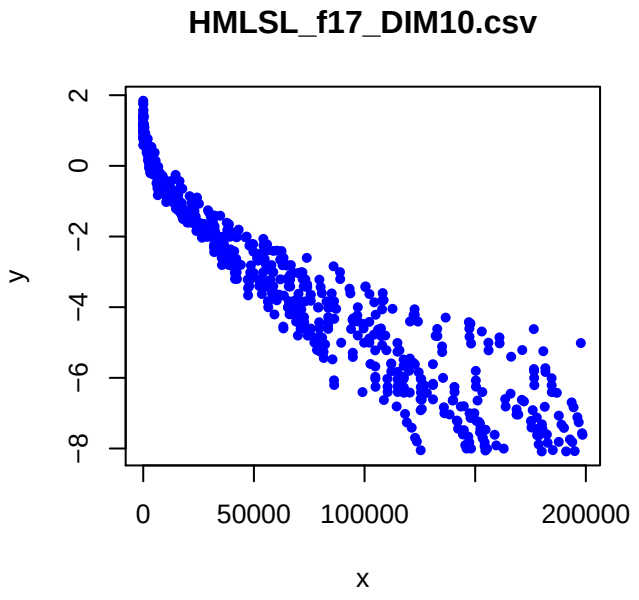
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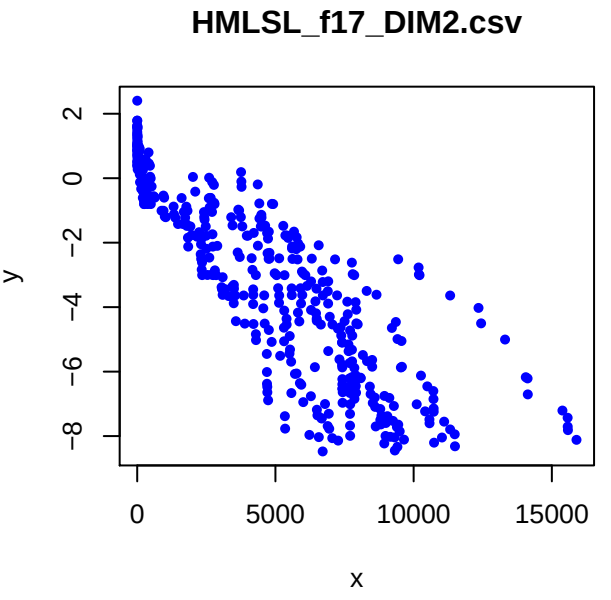
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x
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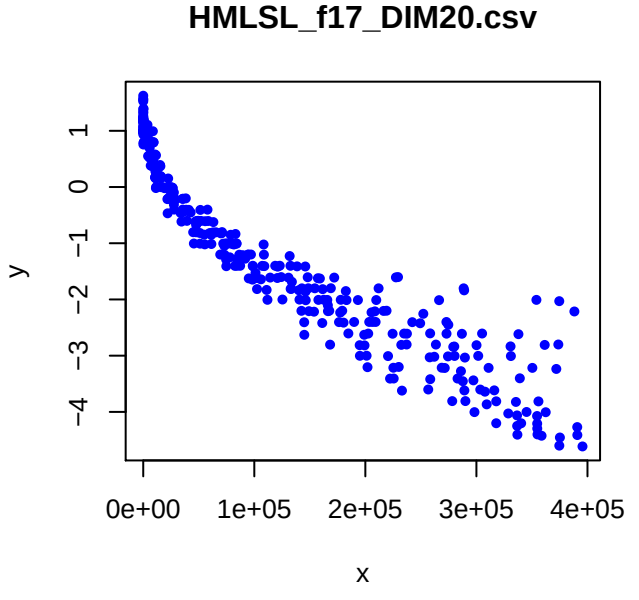
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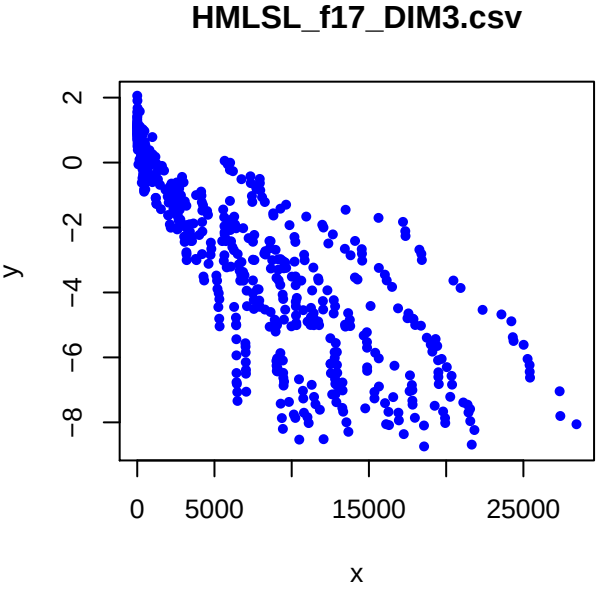
HMLSL_f17_DIM3.csv
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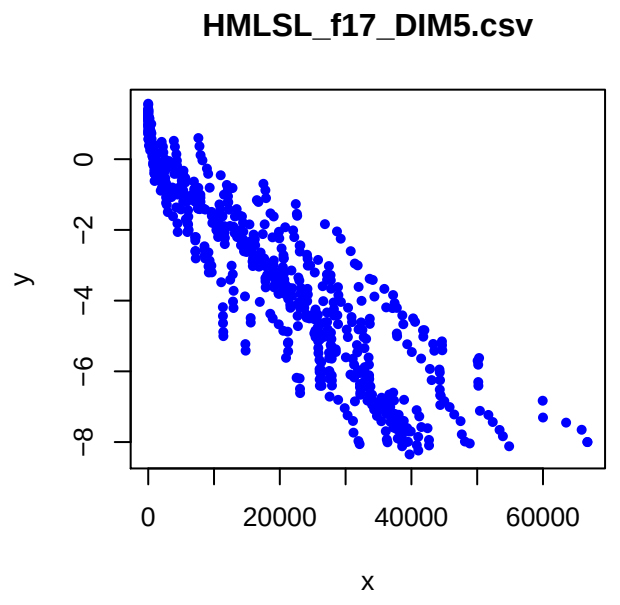
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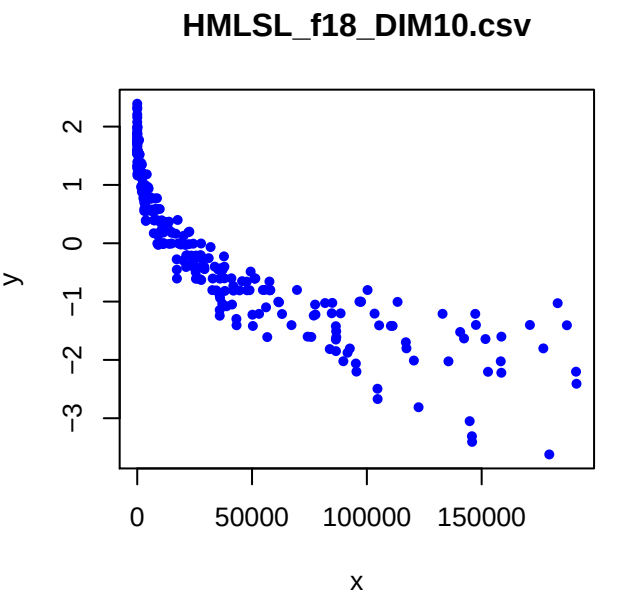
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150000
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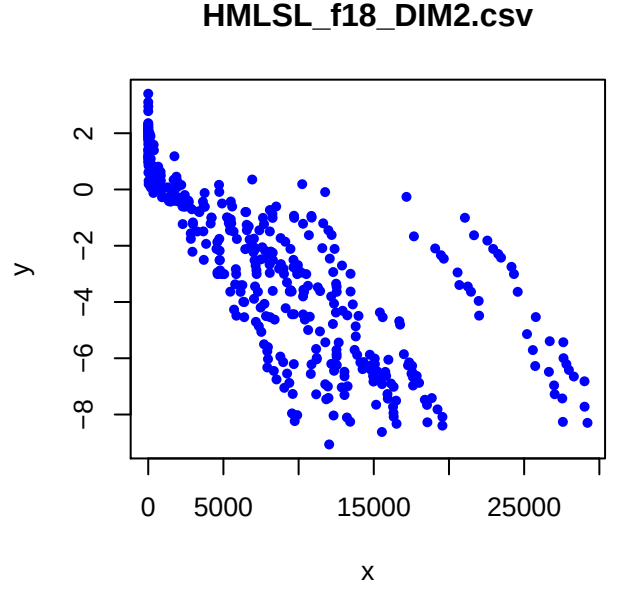
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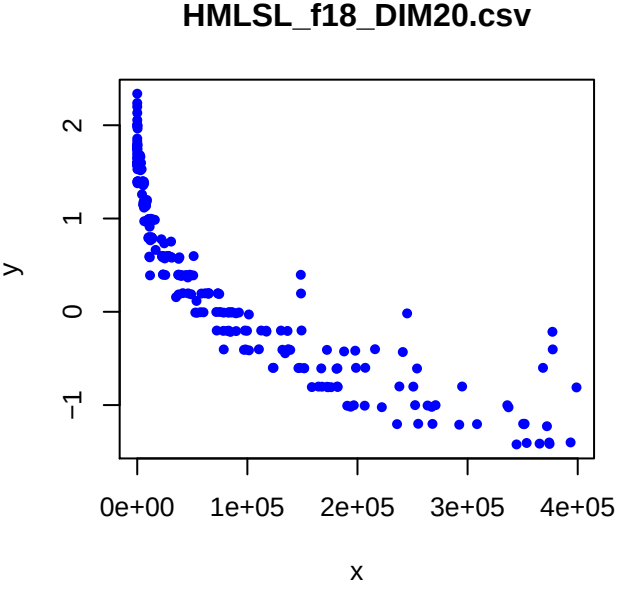
15000
25000
x


HMLSL_f18_DIM20.csv
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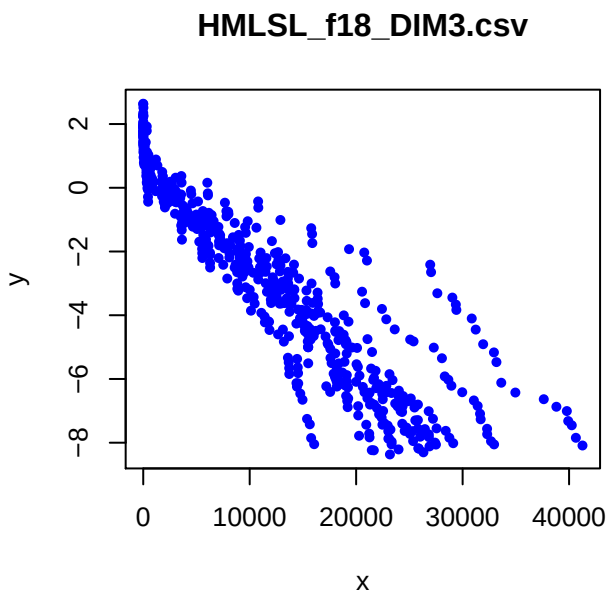
4e+05
x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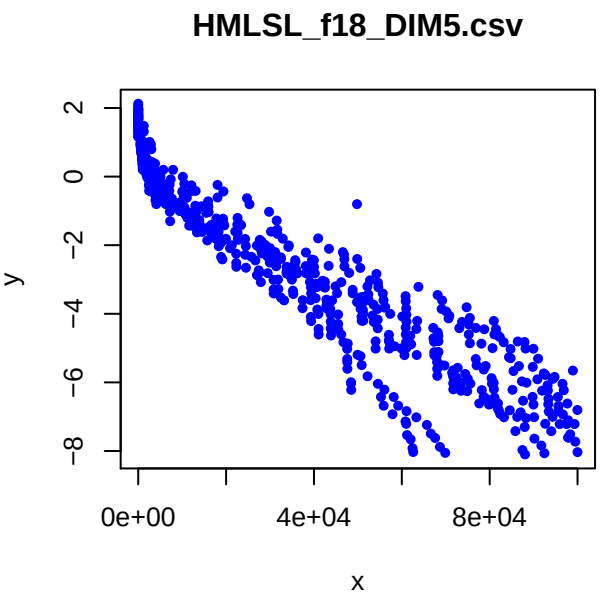
x


HMLSL_f18_DIM5.csv
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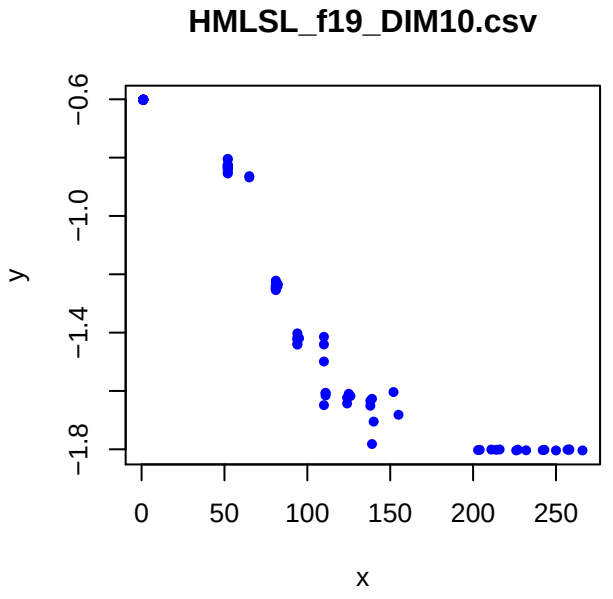
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150
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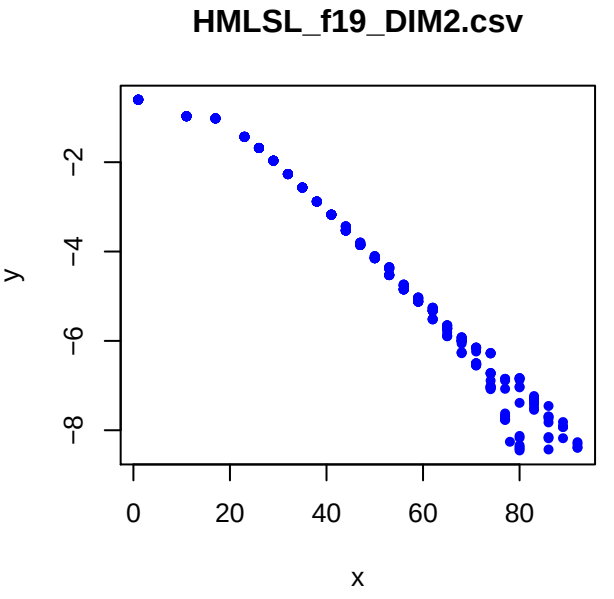
250
x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−8
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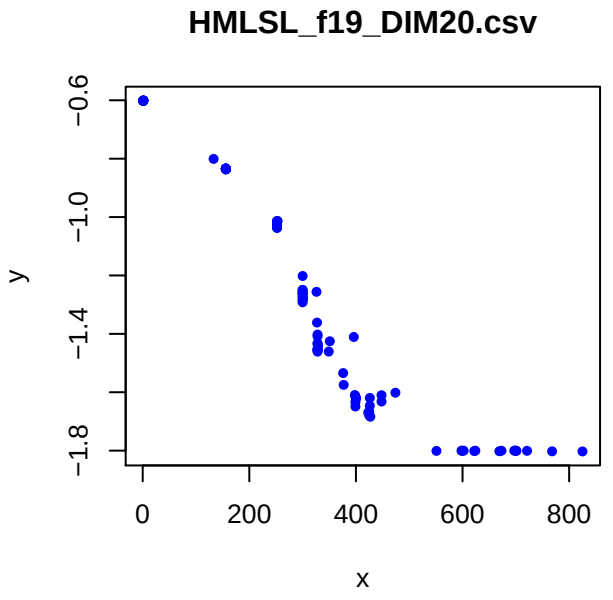
40
60
80
x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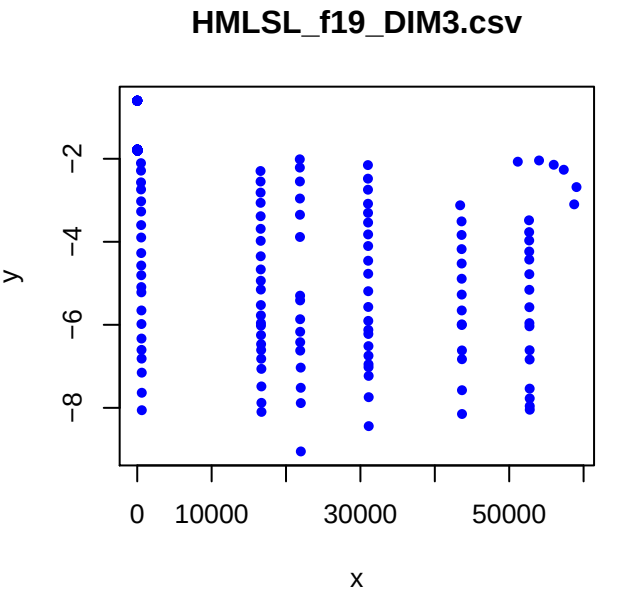
x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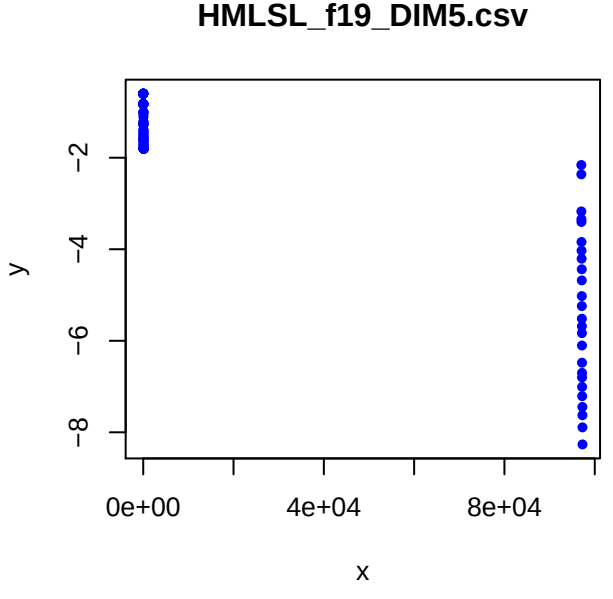
30000
50000
x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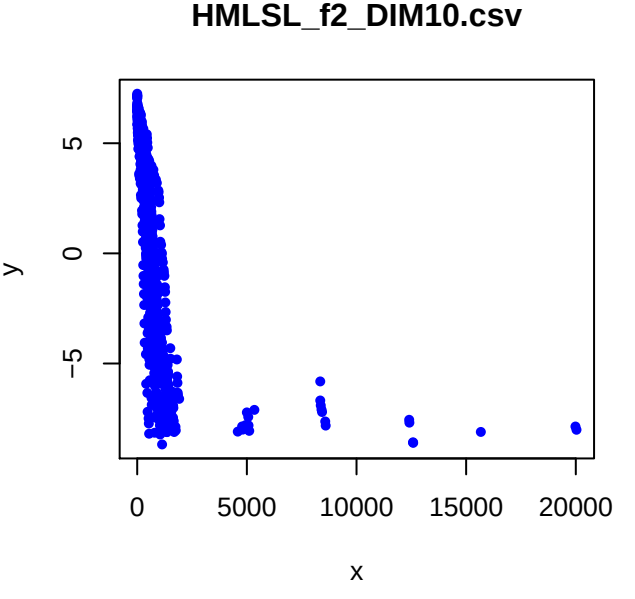
x


HMLSL_f2_DIM10.csv
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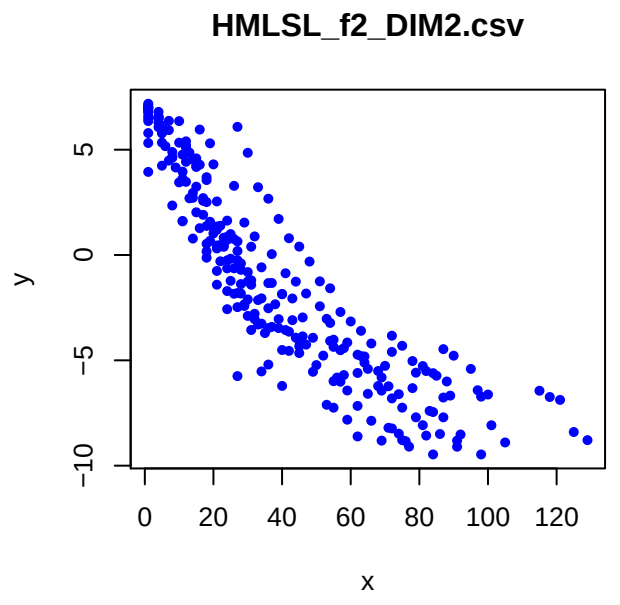
20000
x


HMLSL_f2_DIM2.csv
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80
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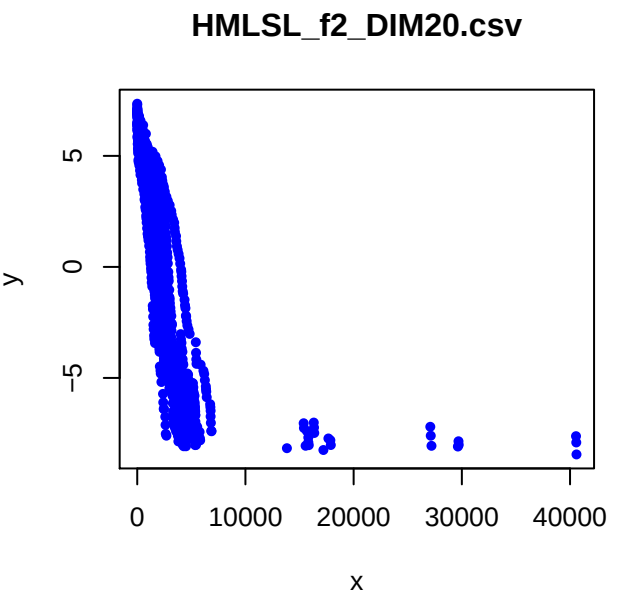
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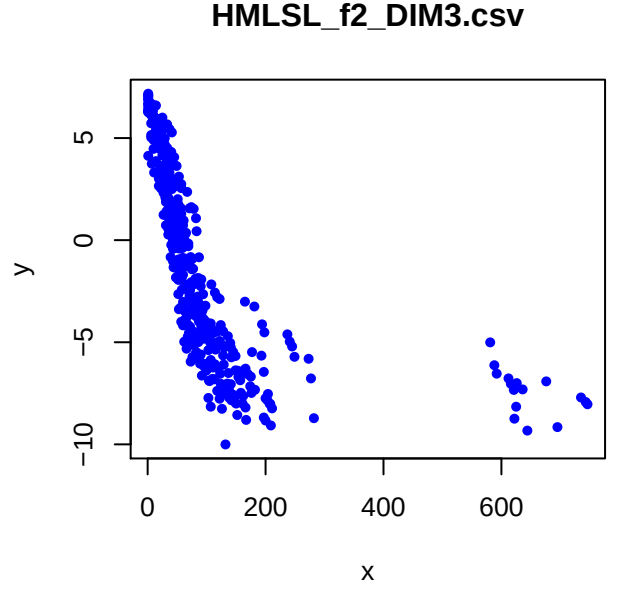
HMLSL_f2_DIM3.csv
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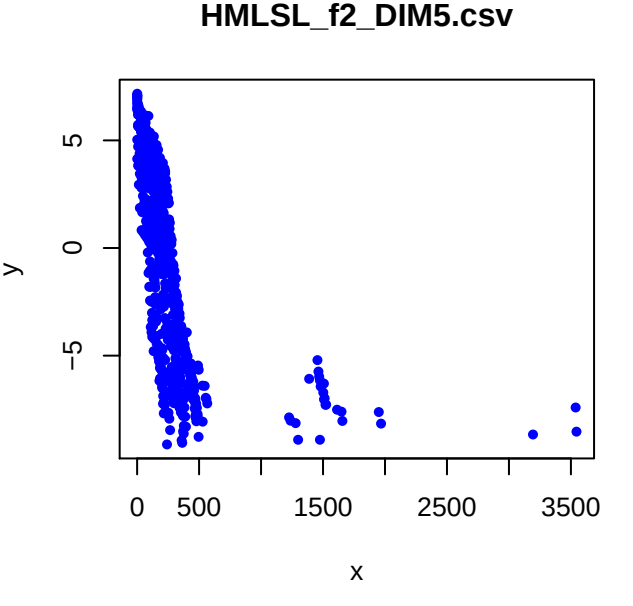
600
x


HMLSL_f2_DIM5.csv
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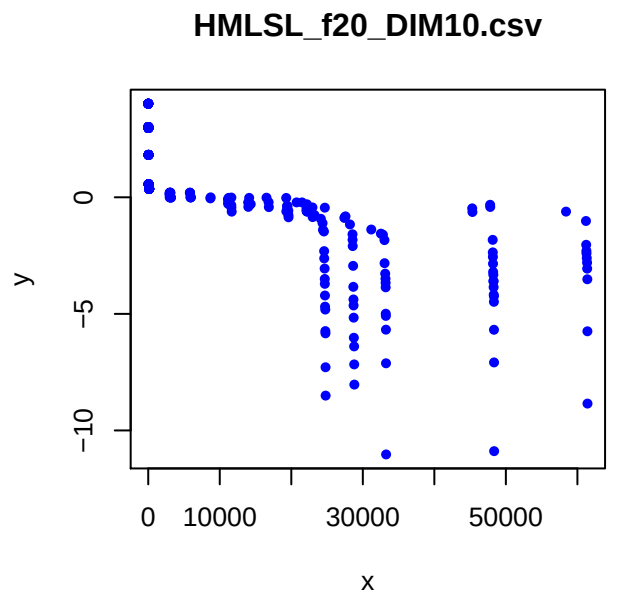
2500
3500
x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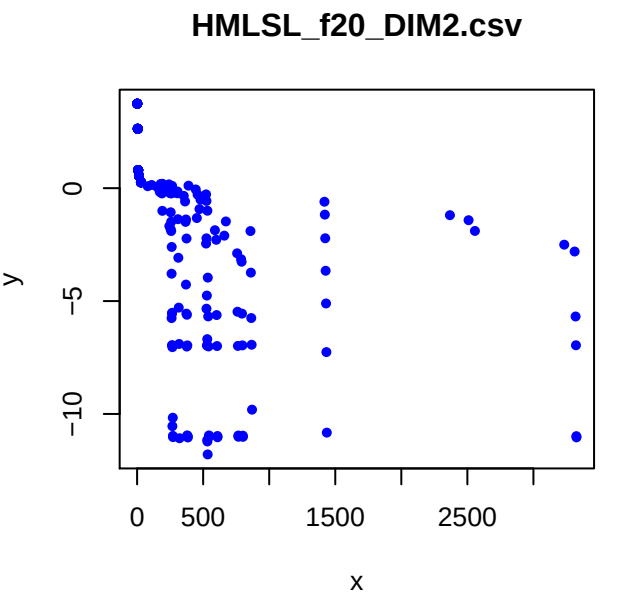
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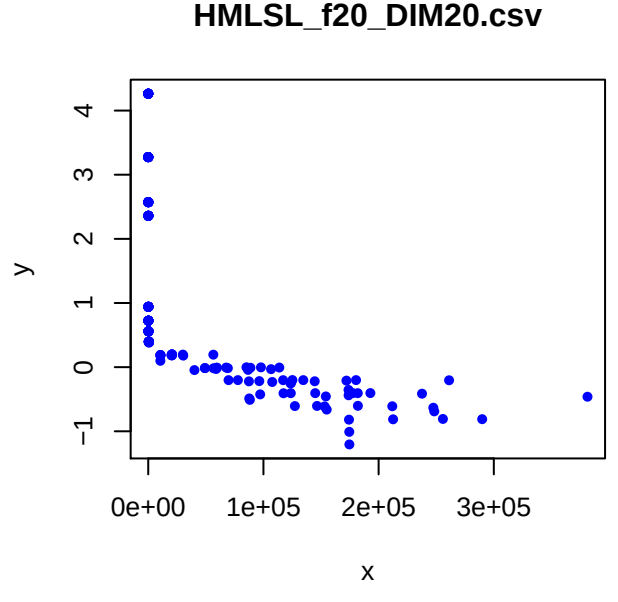
2500
x


HMLSL_f20_DIM20.csv
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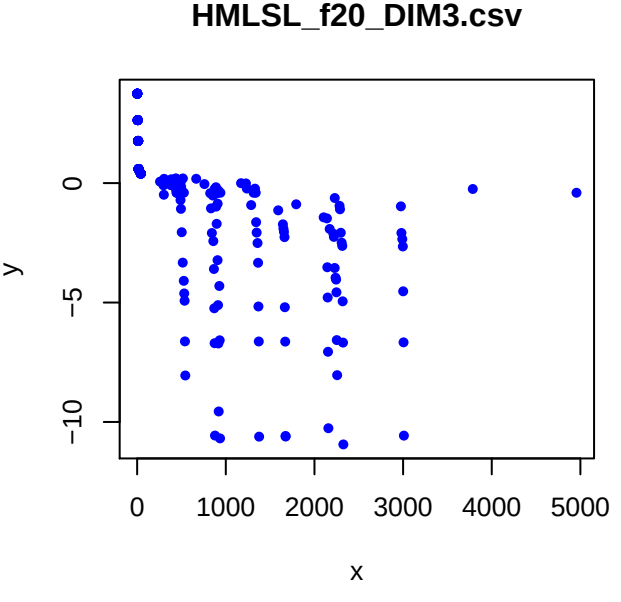
3e+05
x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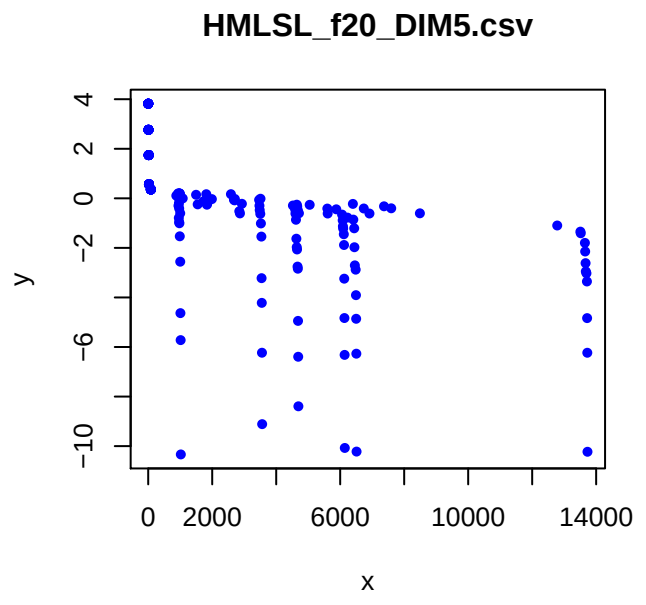
x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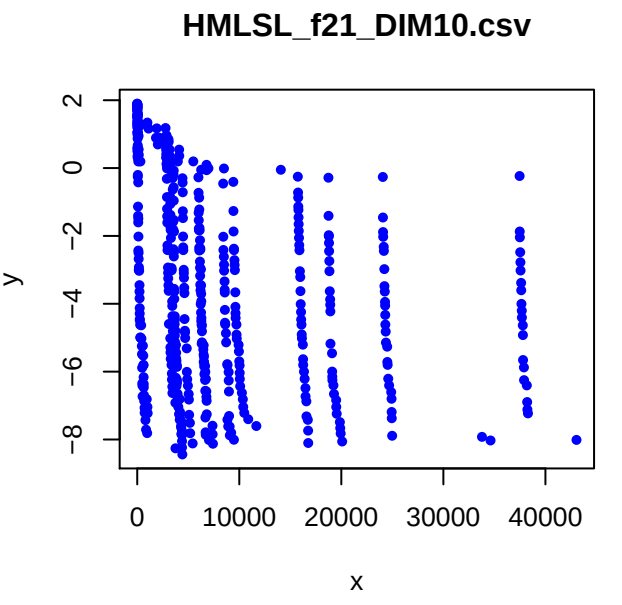
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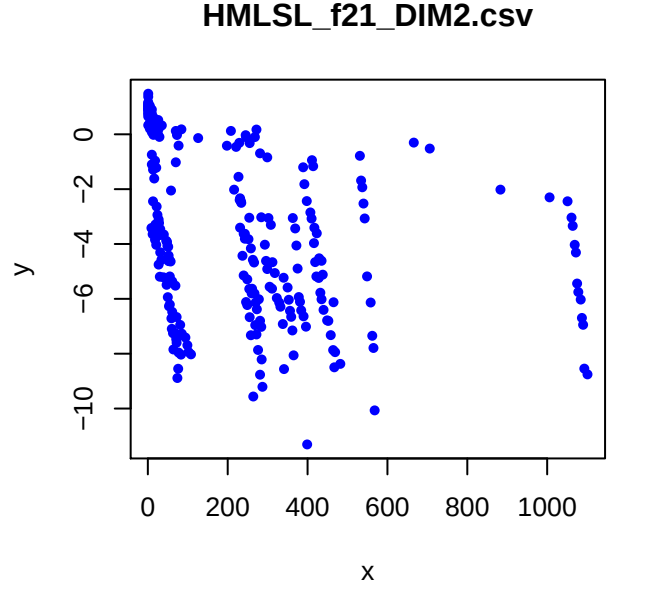
HMLSL_f21_DIM2.csv
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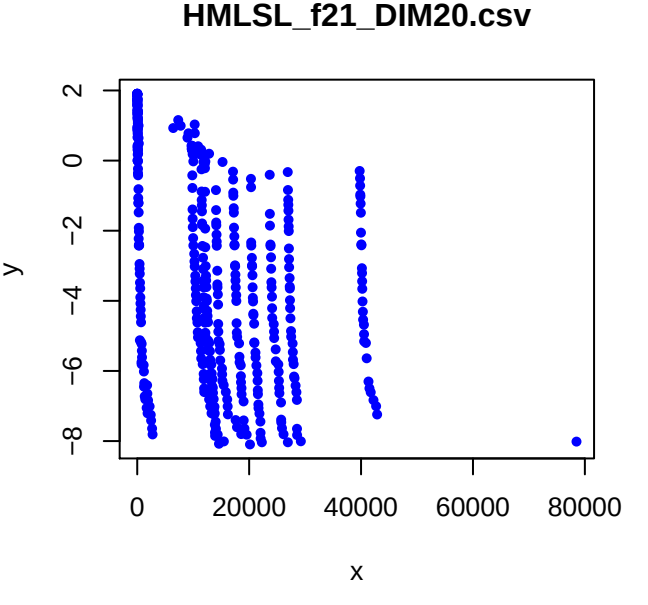
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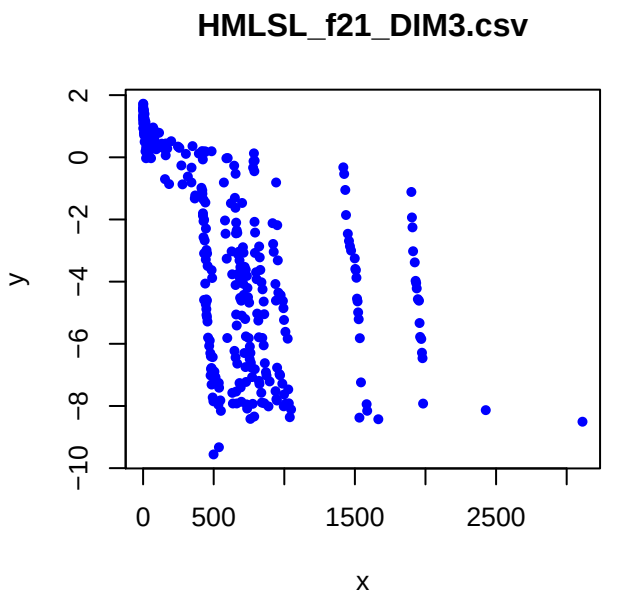
HMLSL_f21_DIM3.csv
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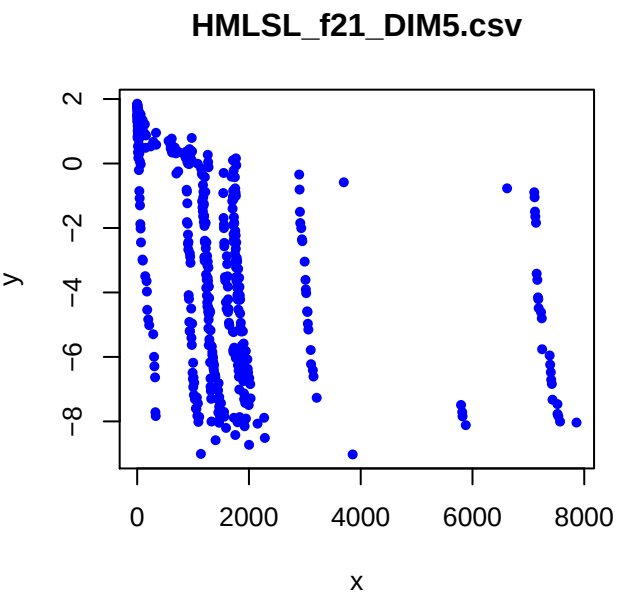
HMLSL_f21_DIM5.csv
y
x
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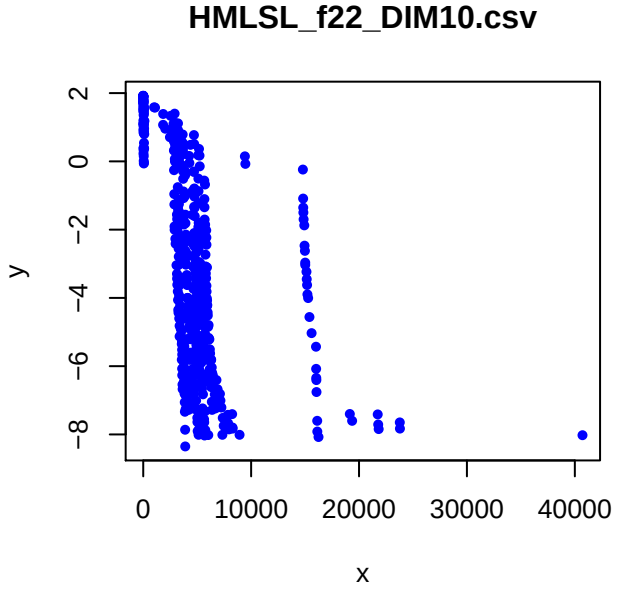
6000
8000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x
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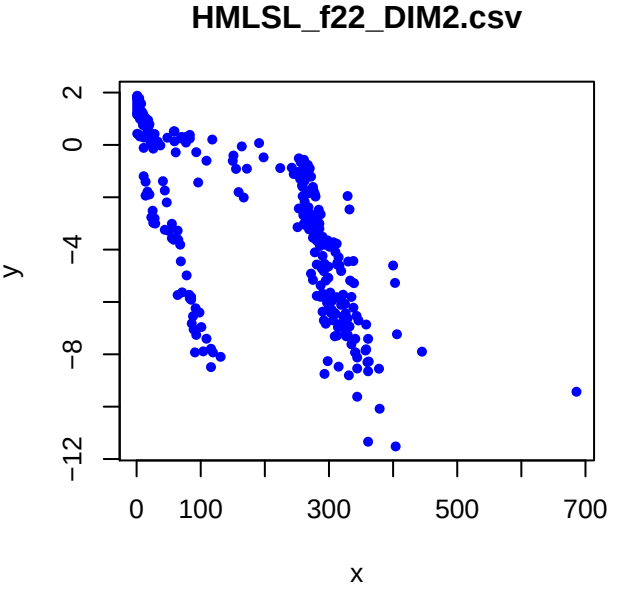
HMLSL_f22_DIM2.csv
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x
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100
300
500
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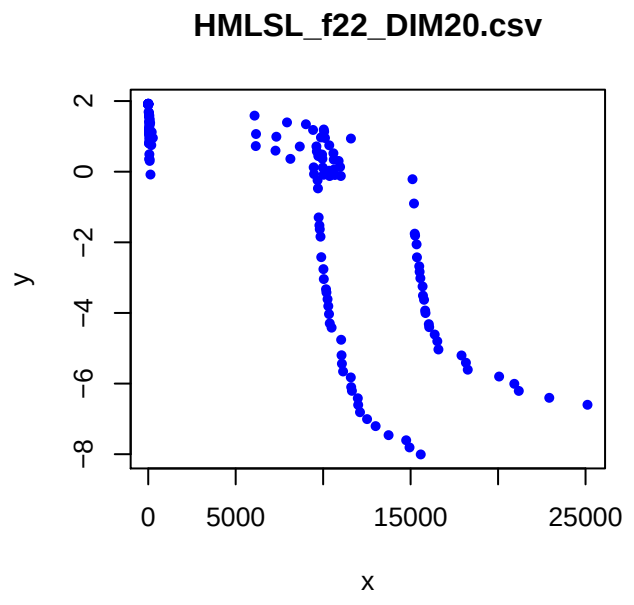
HMLSL_f22_DIM20.csv
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x
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5000
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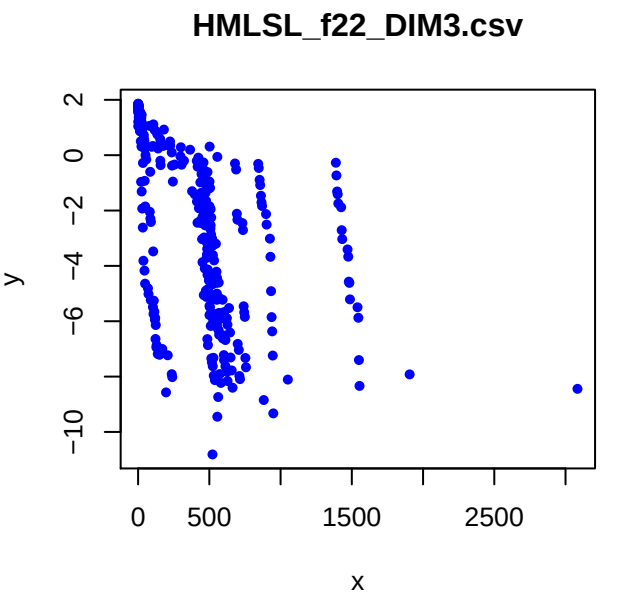
HMLSL_f22_DIM3.csv
y
x
2
0
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1500
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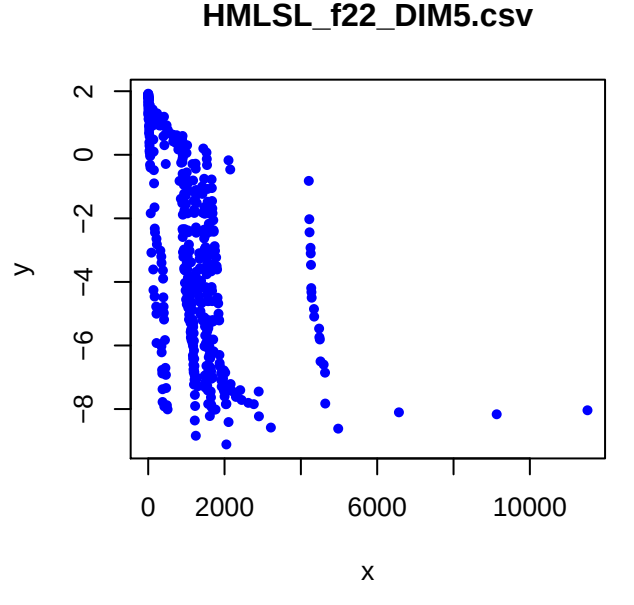
HMLSL_f22_DIM5.csv
y
x
2
0
−2
−4
−6
−8
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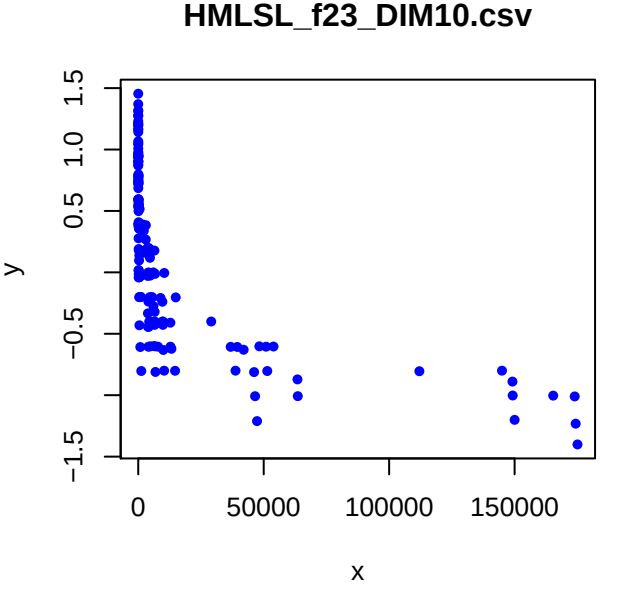
6000
10000


HMLSL_f23_DIM10.csv
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x
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1.0
0.5
−0.5
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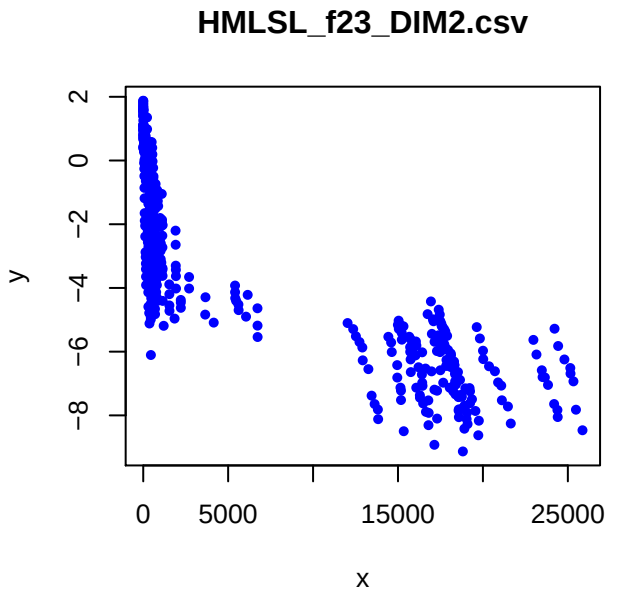
0
50000
100000
150000


HMLSL_f23_DIM2.csv
y
x
2
0
−2
−4
−6
−8
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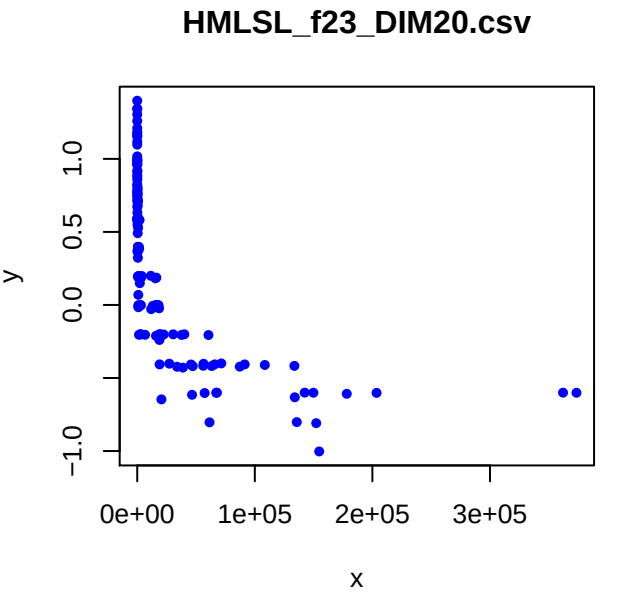
5000
15000
25000


HMLSL_f23_DIM20.csv
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x
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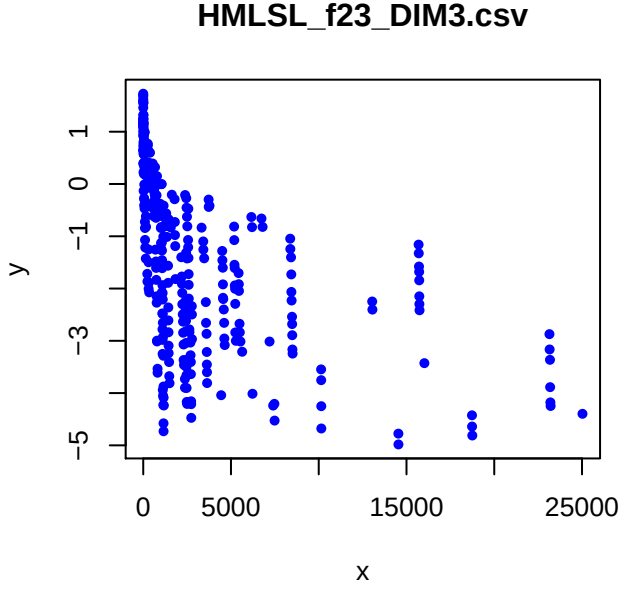
0.5
0.0
−1.0
0e+00
1e+05
2e+05
3e+05


HMLSL_f23_DIM3.csv
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x
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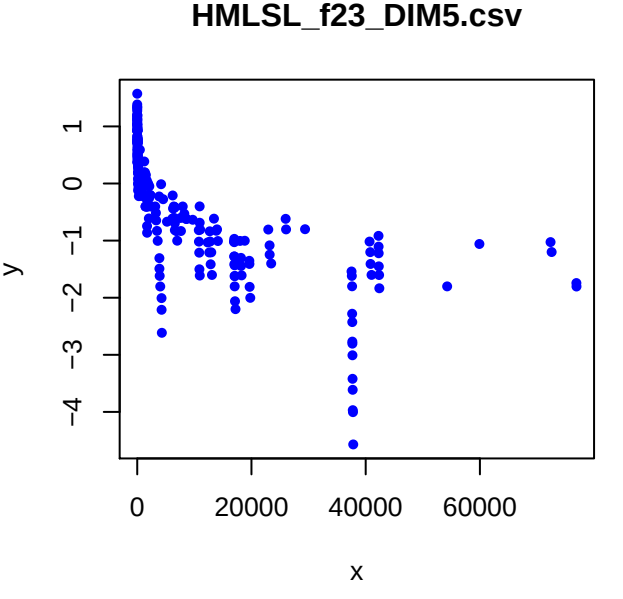
−3
−5
0
5000
15000
25000


HMLSL_f23_DIM5.csv
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x
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0
−1
−2
−3
−4
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40000
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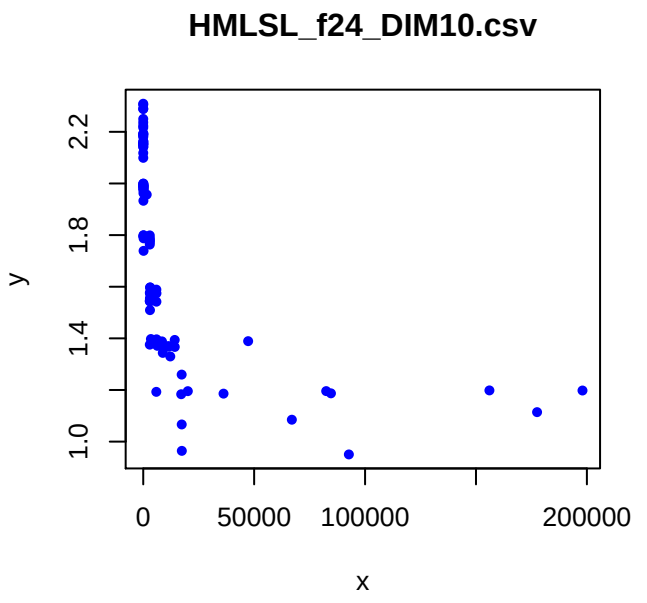
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1.8
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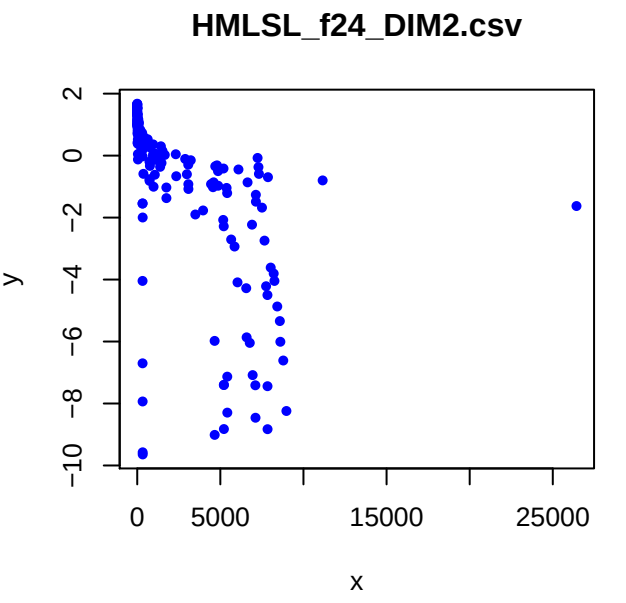
100000
200000
x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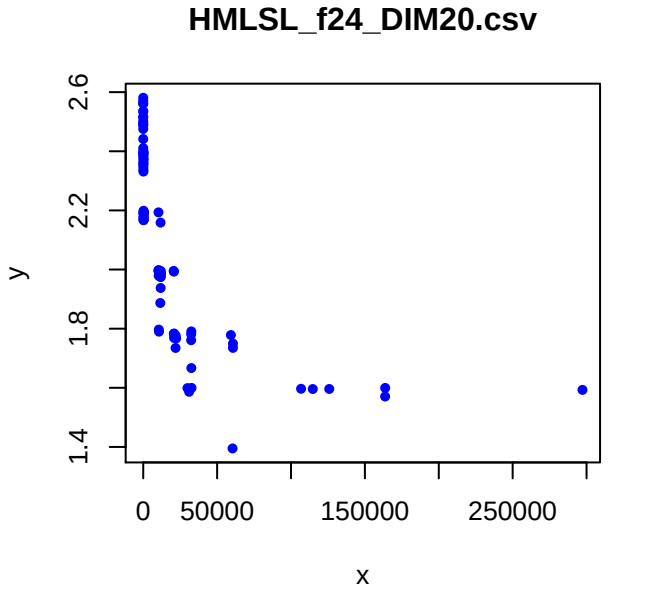
−6
−4
−2
0
2
0
5000
15000
25000
x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1.8
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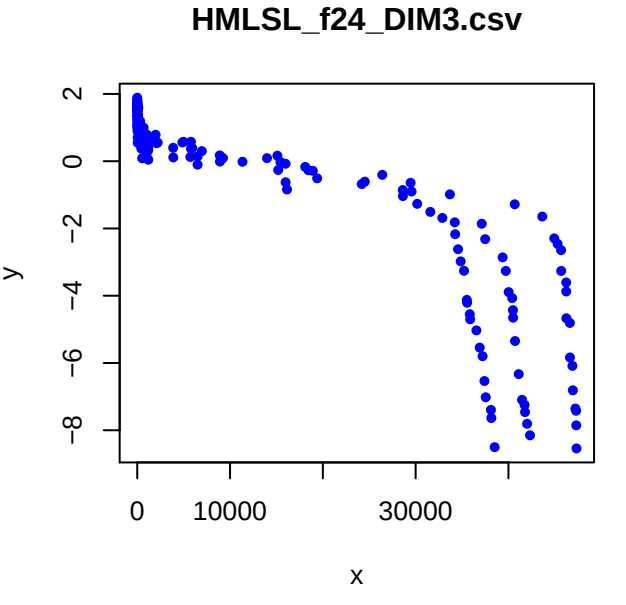
2.6
0
50000
150000
250000
x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−6
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2
0
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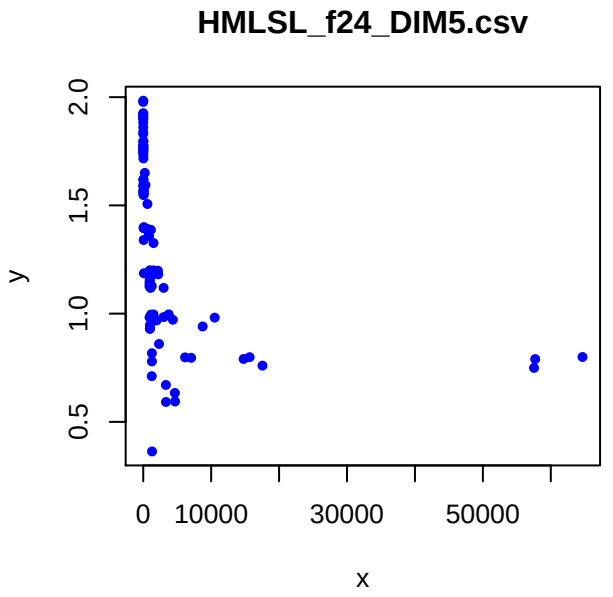
30000
x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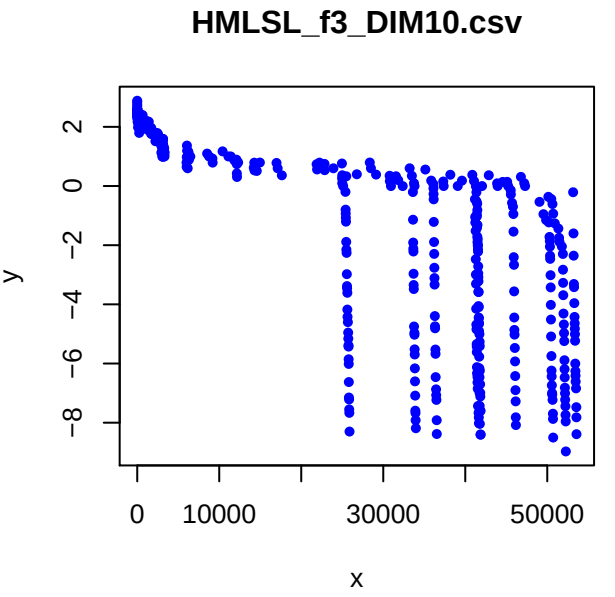
30000
50000
x


HMLSL_f3_DIM10.csv
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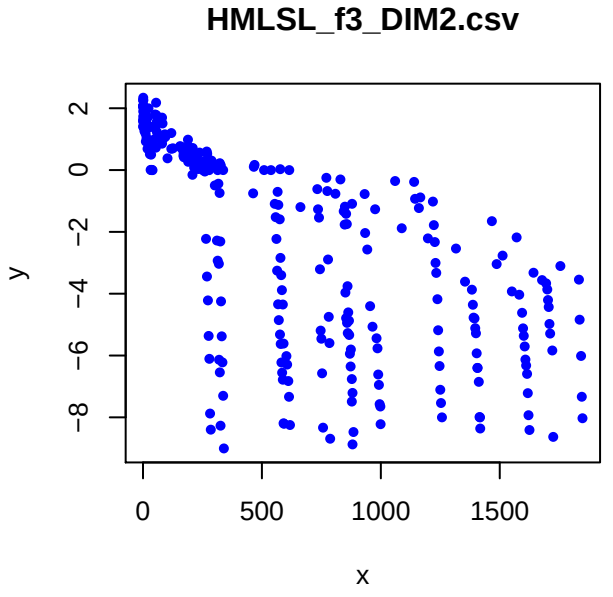
30000
50000
x


HMLSL_f3_DIM2.csv
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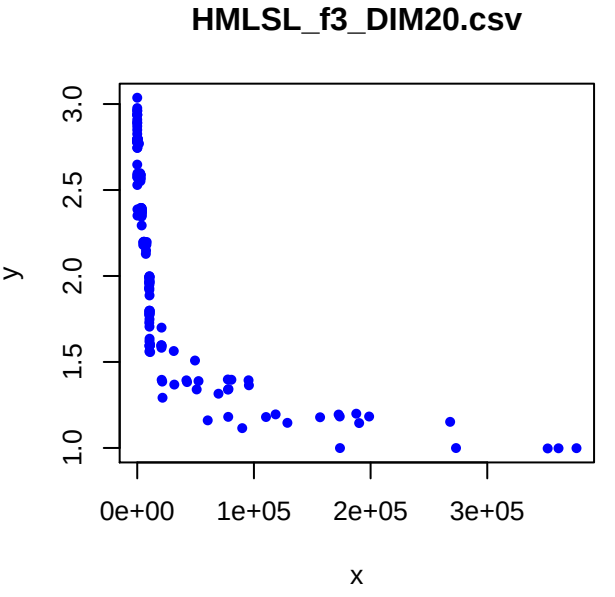
1000
1500
x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1.0
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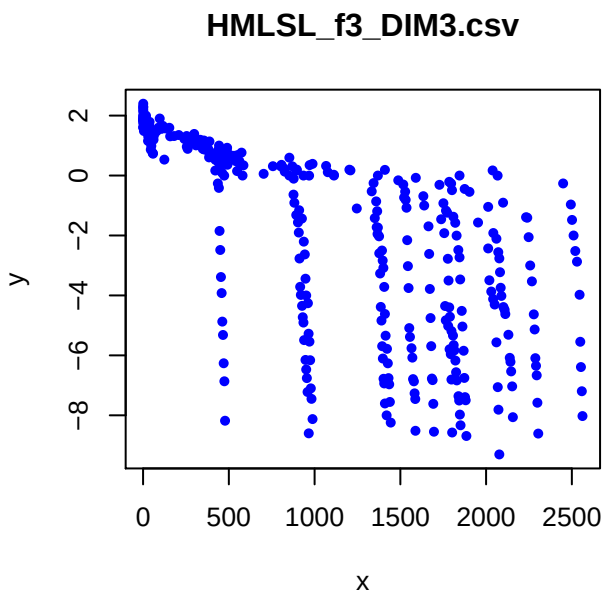
3e+05
x


HMLSL_f3_DIM3.csv
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x
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−4
−6
−8
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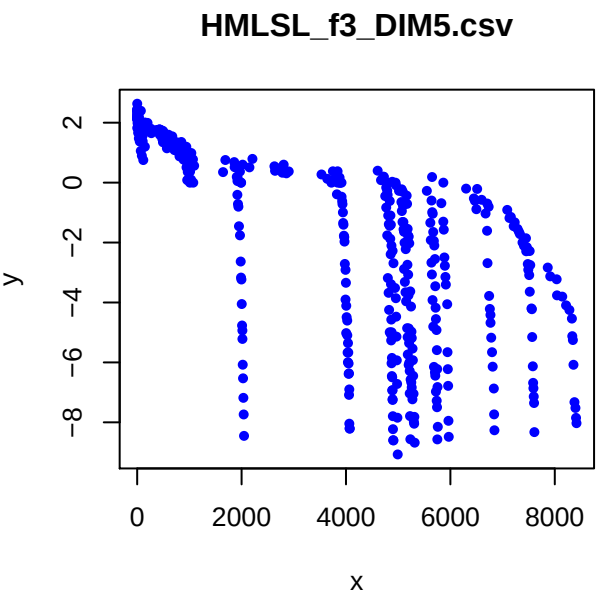
1000
1500
2000
2500


HMLSL_f3_DIM5.csv
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6000
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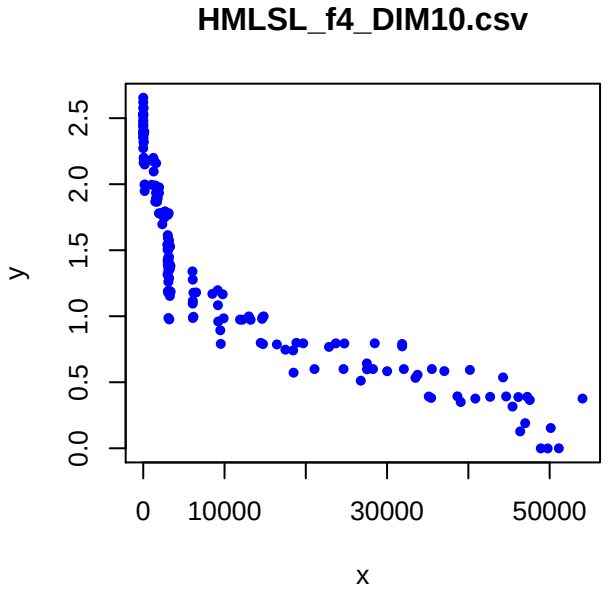
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1.0
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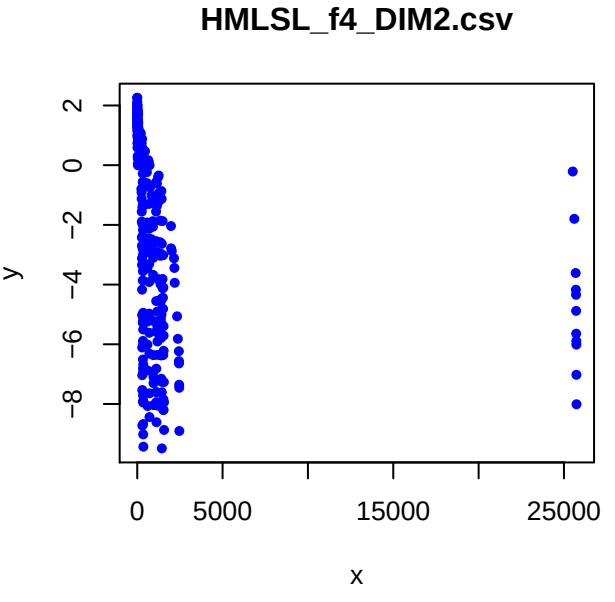
HMLSL_f4_DIM2.csv
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−8
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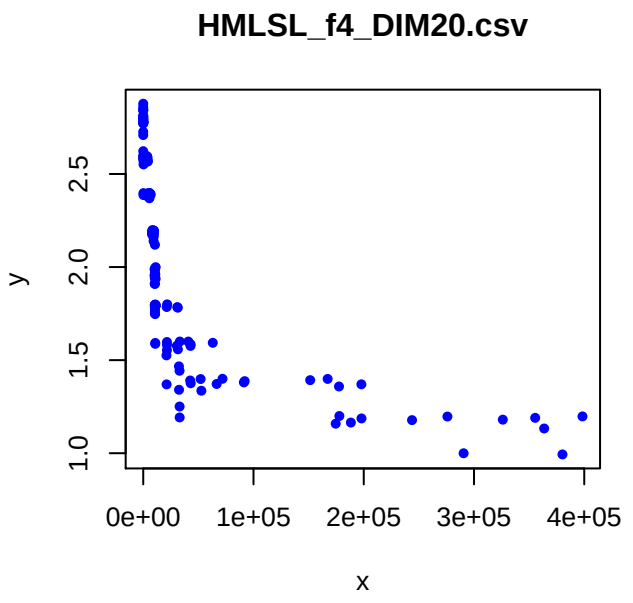
15000
25000


HMLSL_f4_DIM20.csv
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2.5
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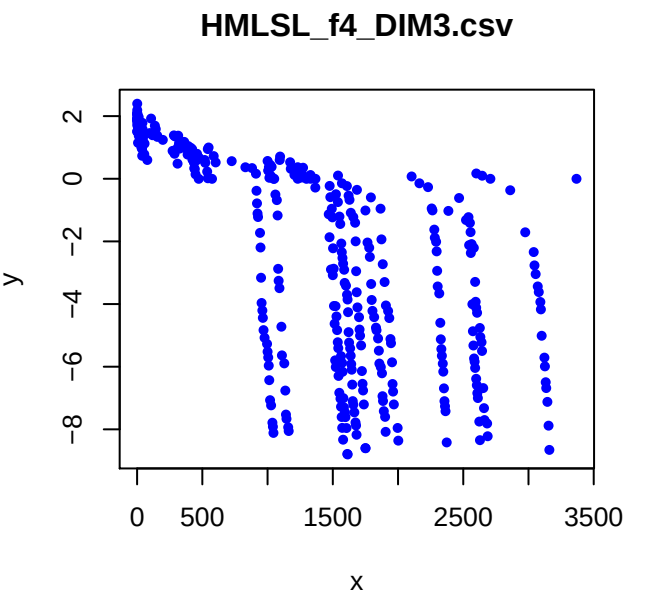
x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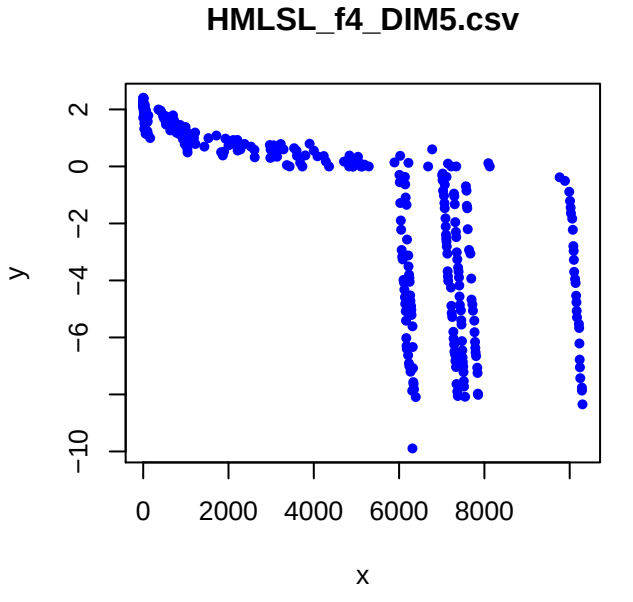
2500
3500
x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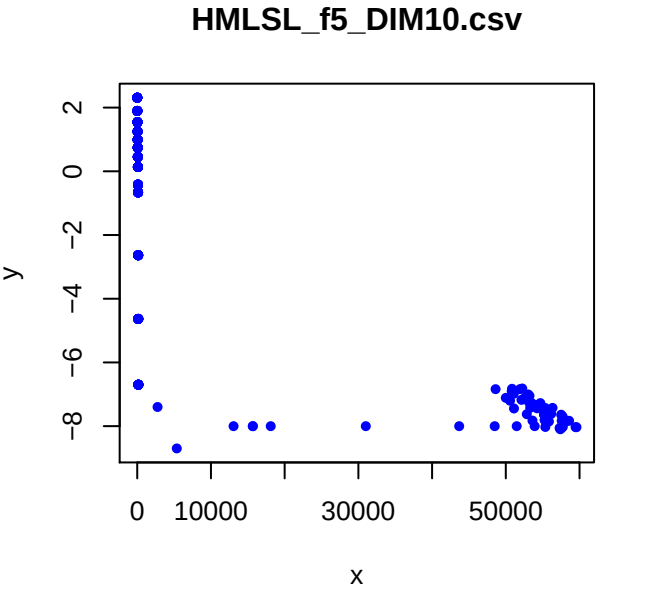
6000
8000
x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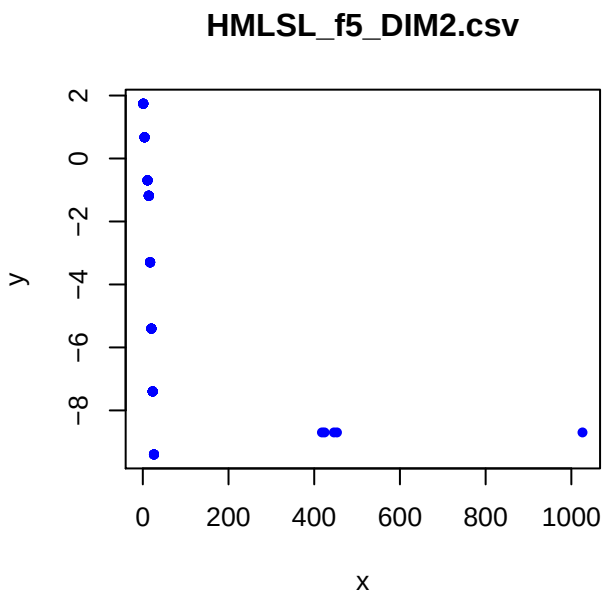
HMLSL_f5_DIM2.csv
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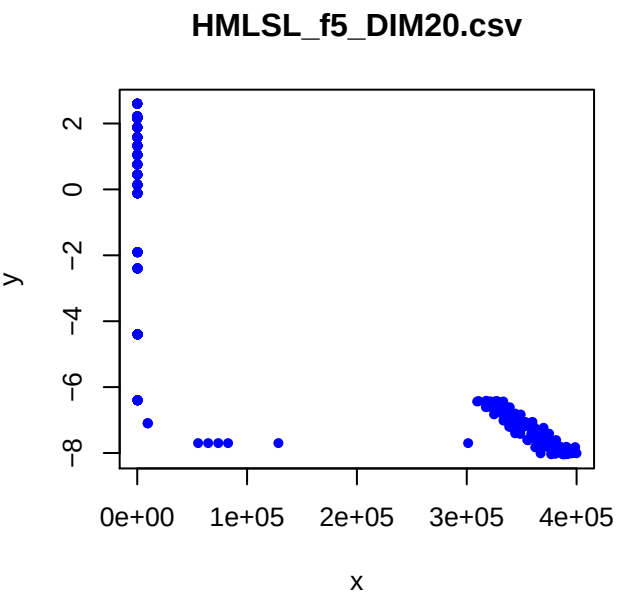
400
600
800
1000


HMLSL_f5_DIM20.csv
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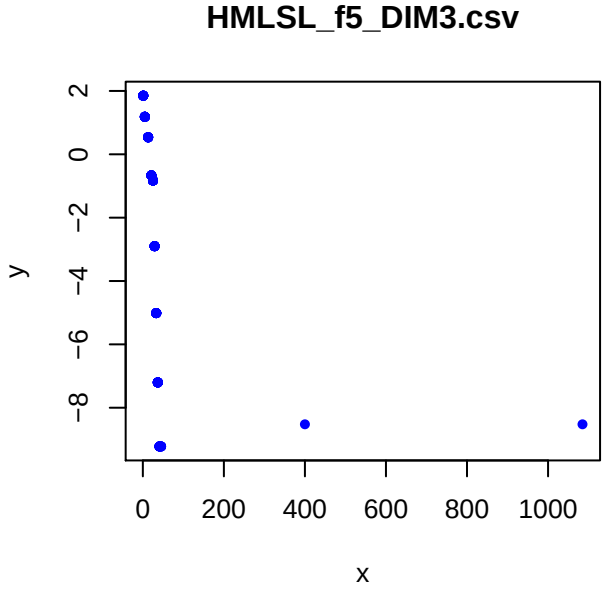
HMLSL_f5_DIM3.csv
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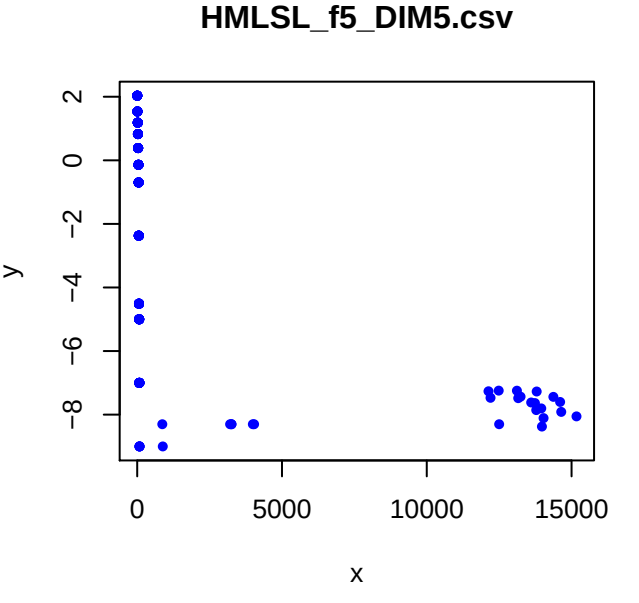
HMLSL_f5_DIM5.csv
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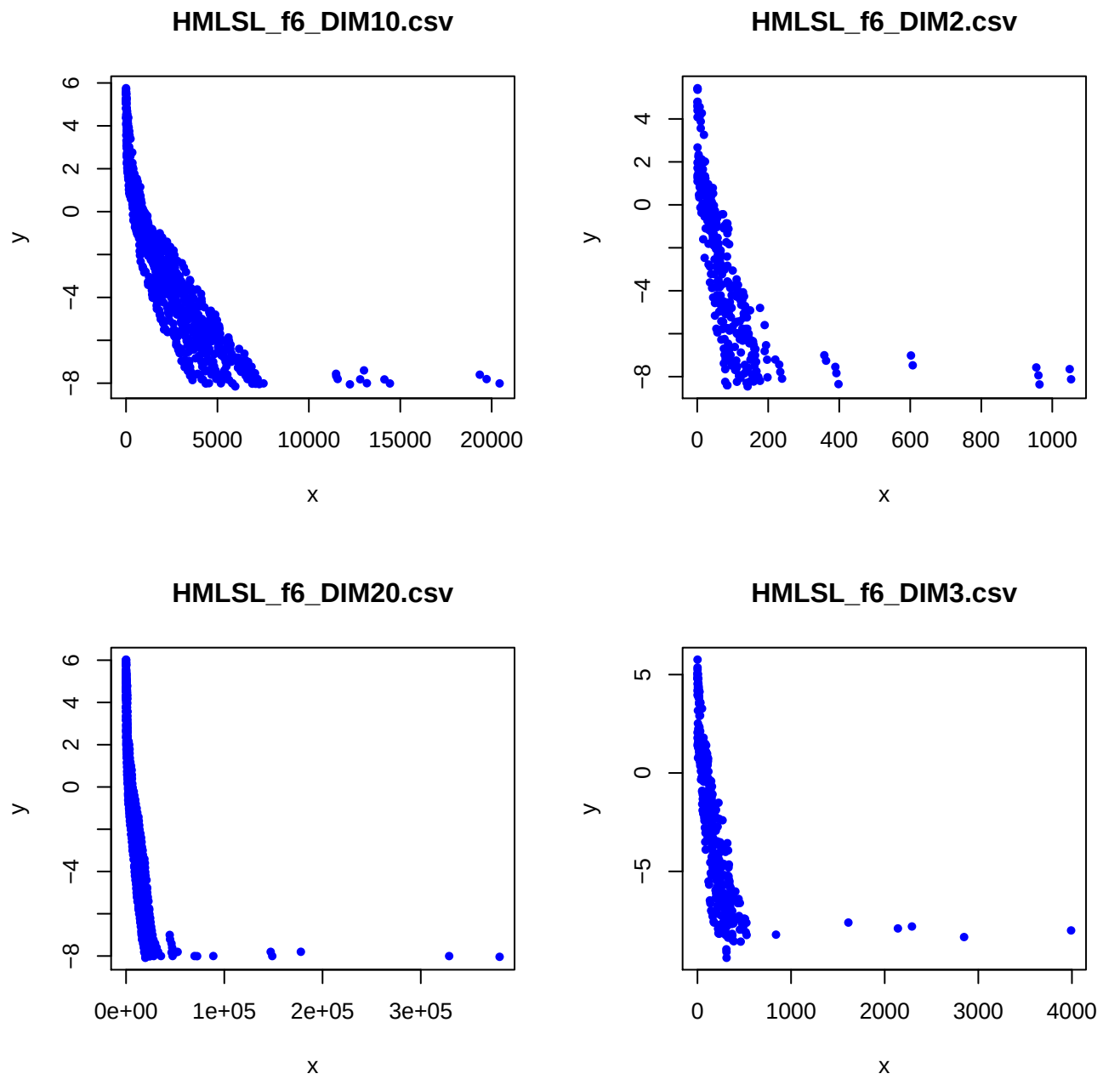
15000


HMLSL_f6_DIM10.csv
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x
HMLSL_f6_DIM2.csv
y
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400
600
800
1000
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HMLSL_f6_DIM20.csv
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1e+05
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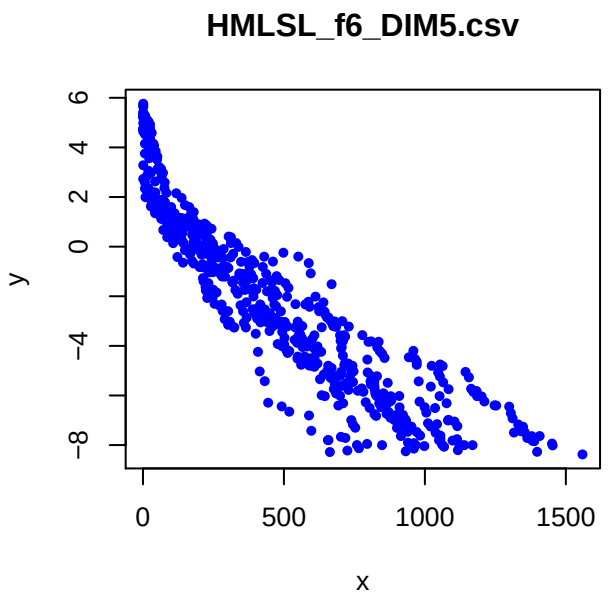
4000
x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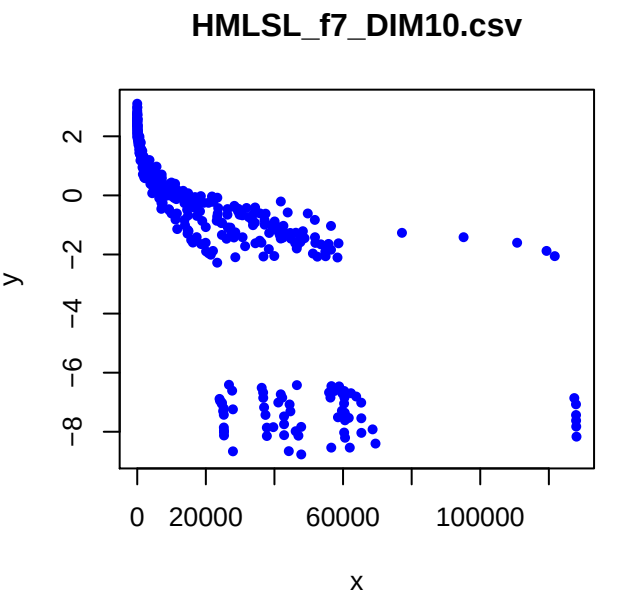
1500
x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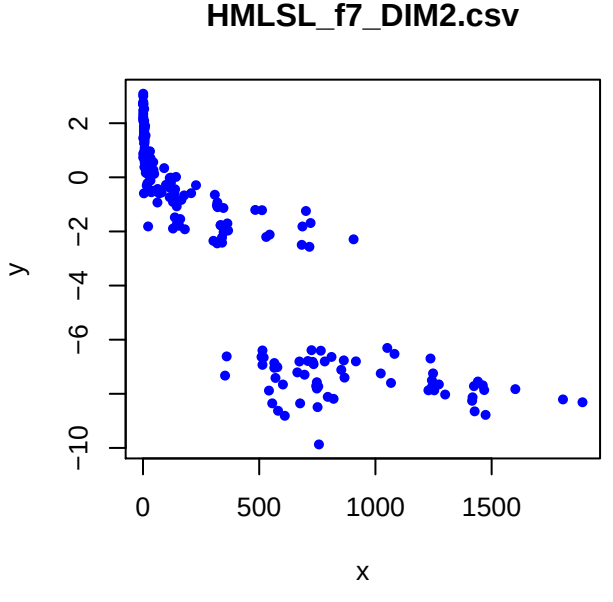
60000
100000
x


HMLSL_f7_DIM2.csv
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−4
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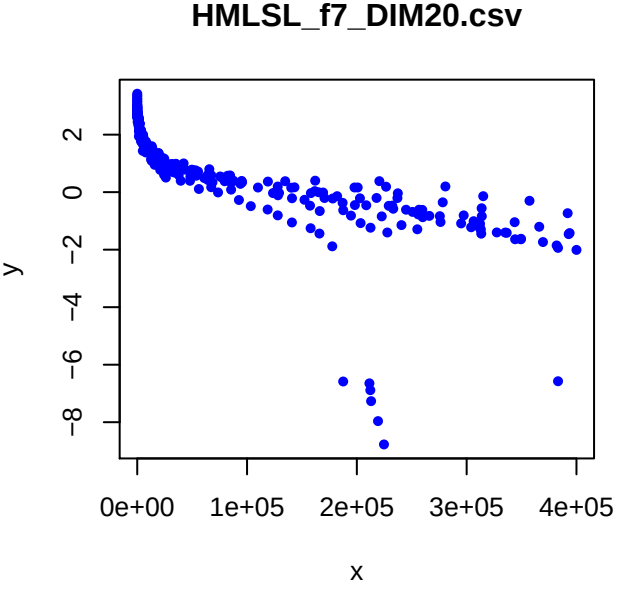
500
1000
1500
x


HMLSL_f7_DIM20.csv
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2e+05
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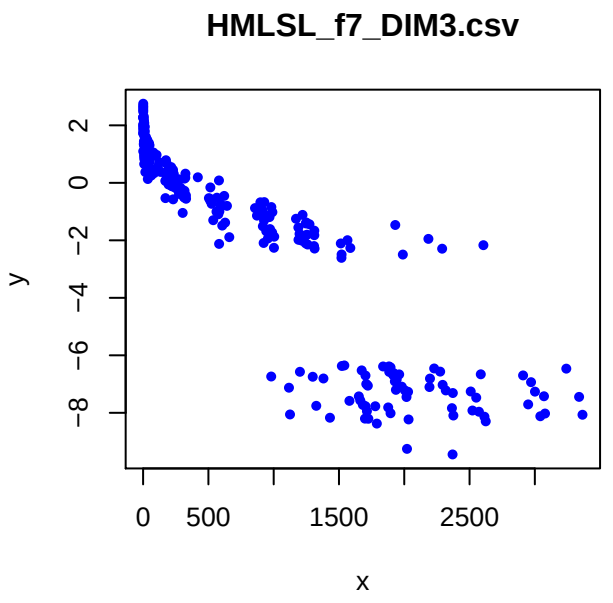
4e+05
x


HMLSL_f7_DIM3.csv
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−6
−8
0
500
1500
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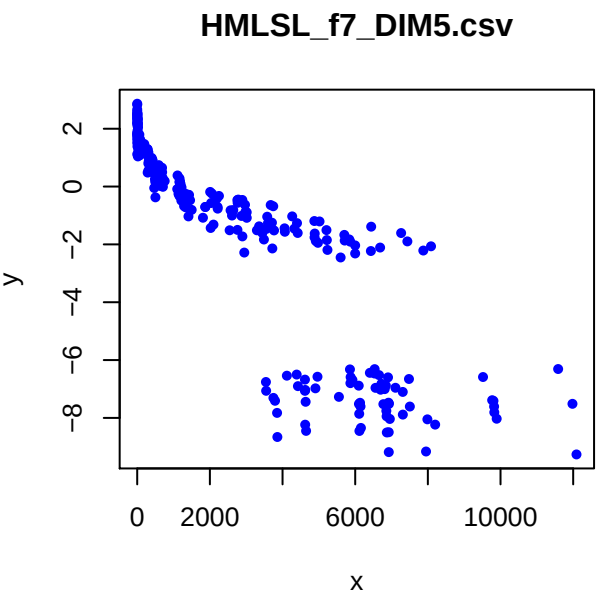
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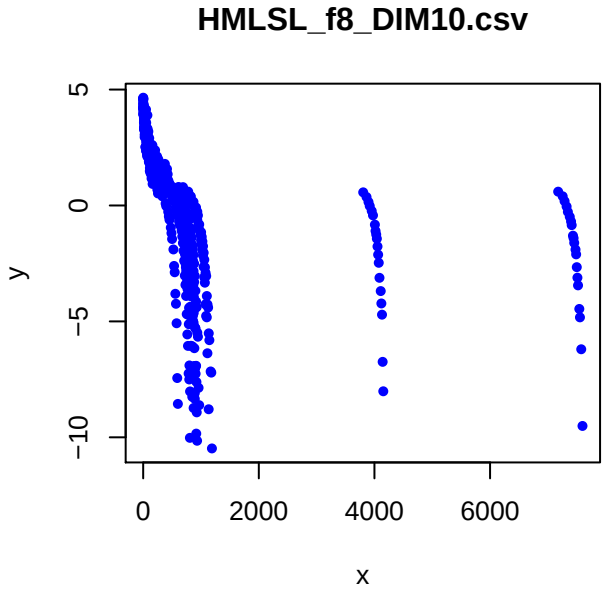
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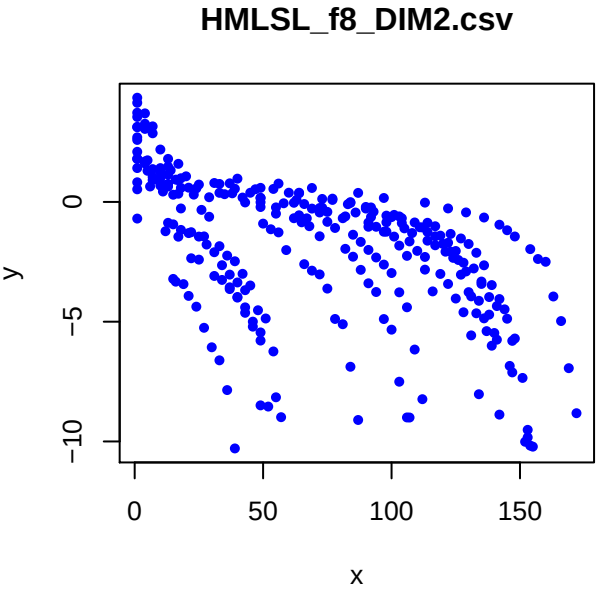
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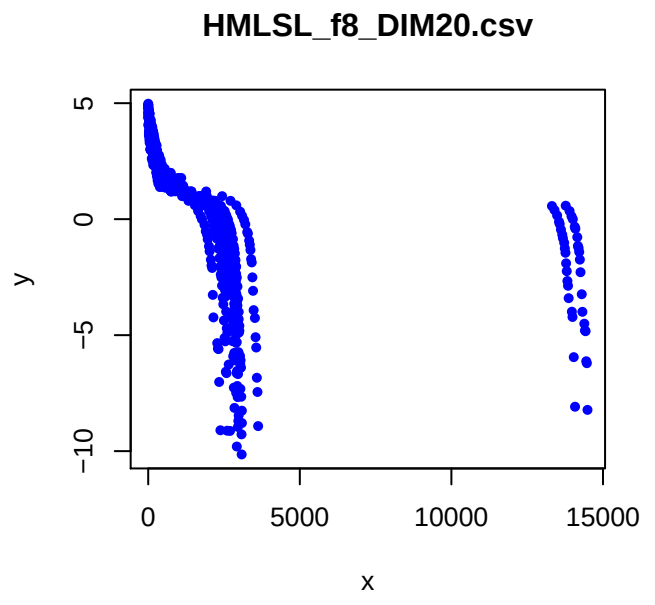
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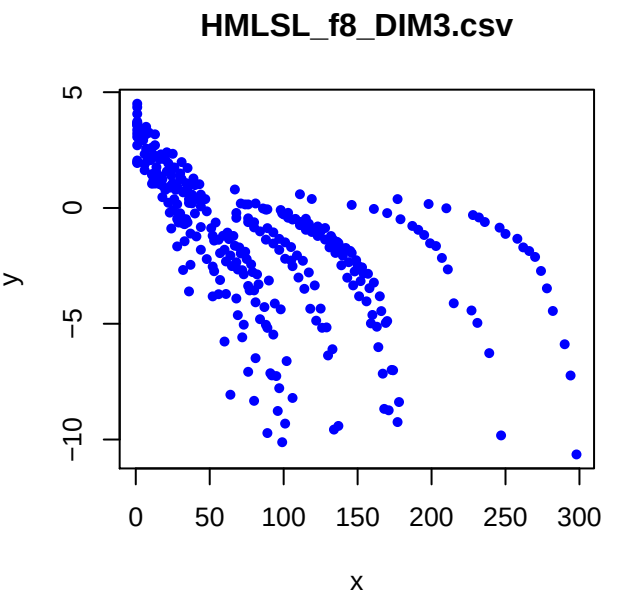
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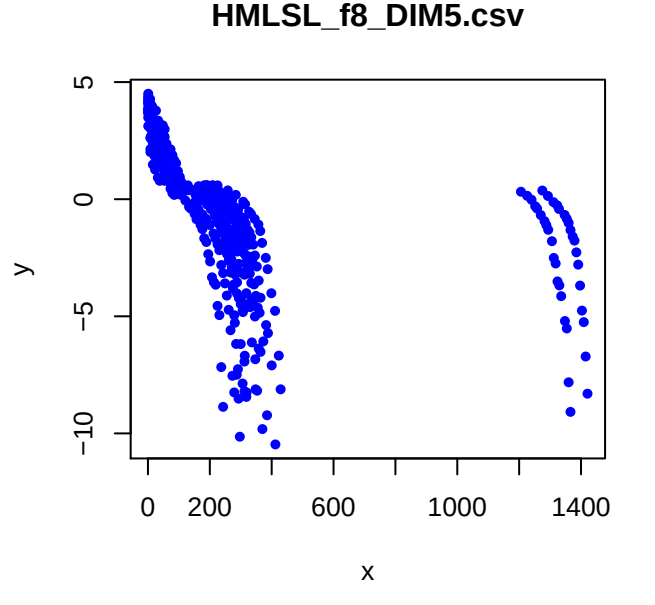
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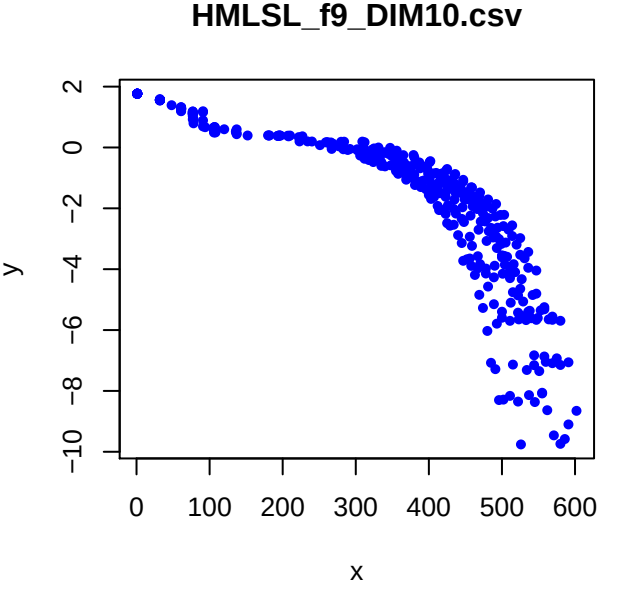
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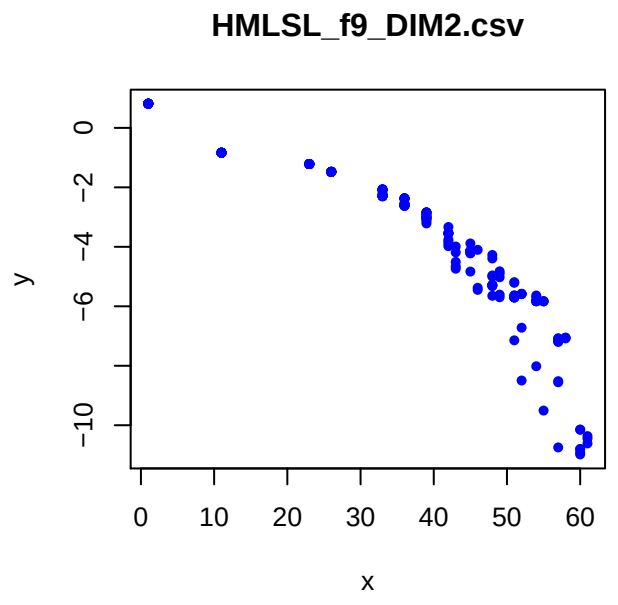
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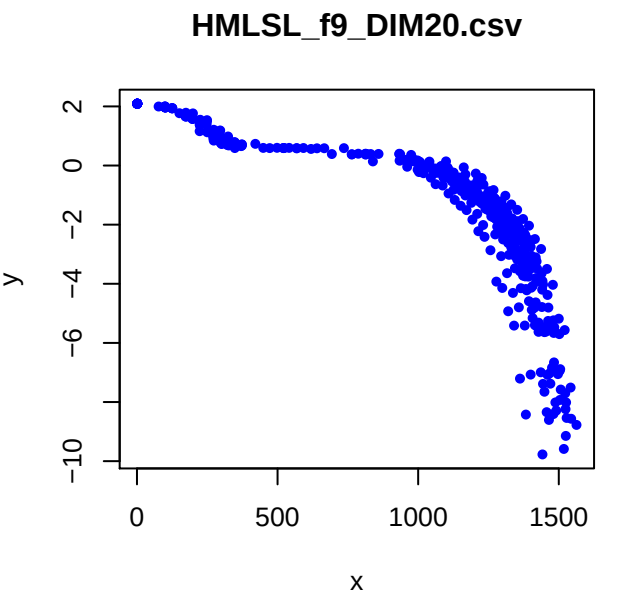
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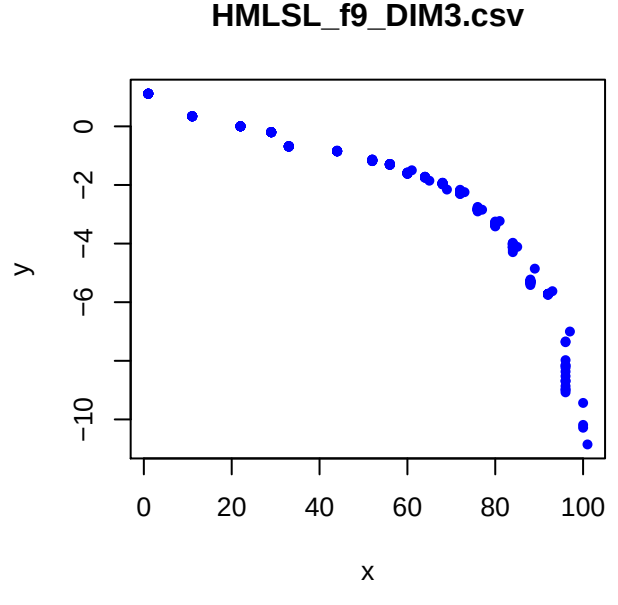
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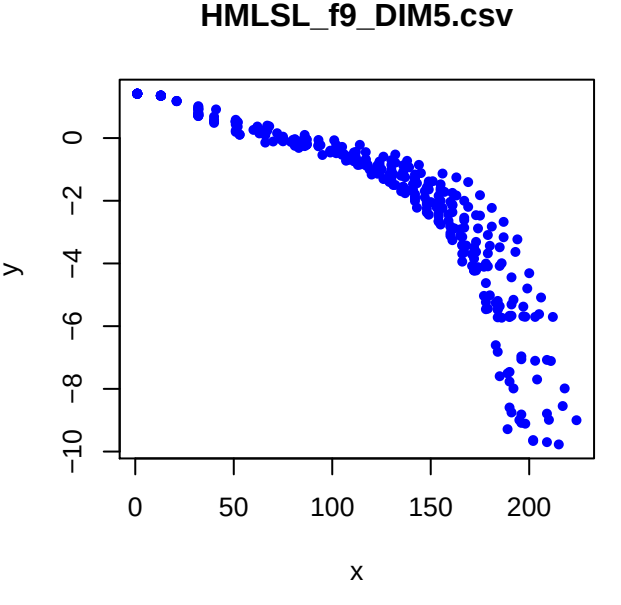
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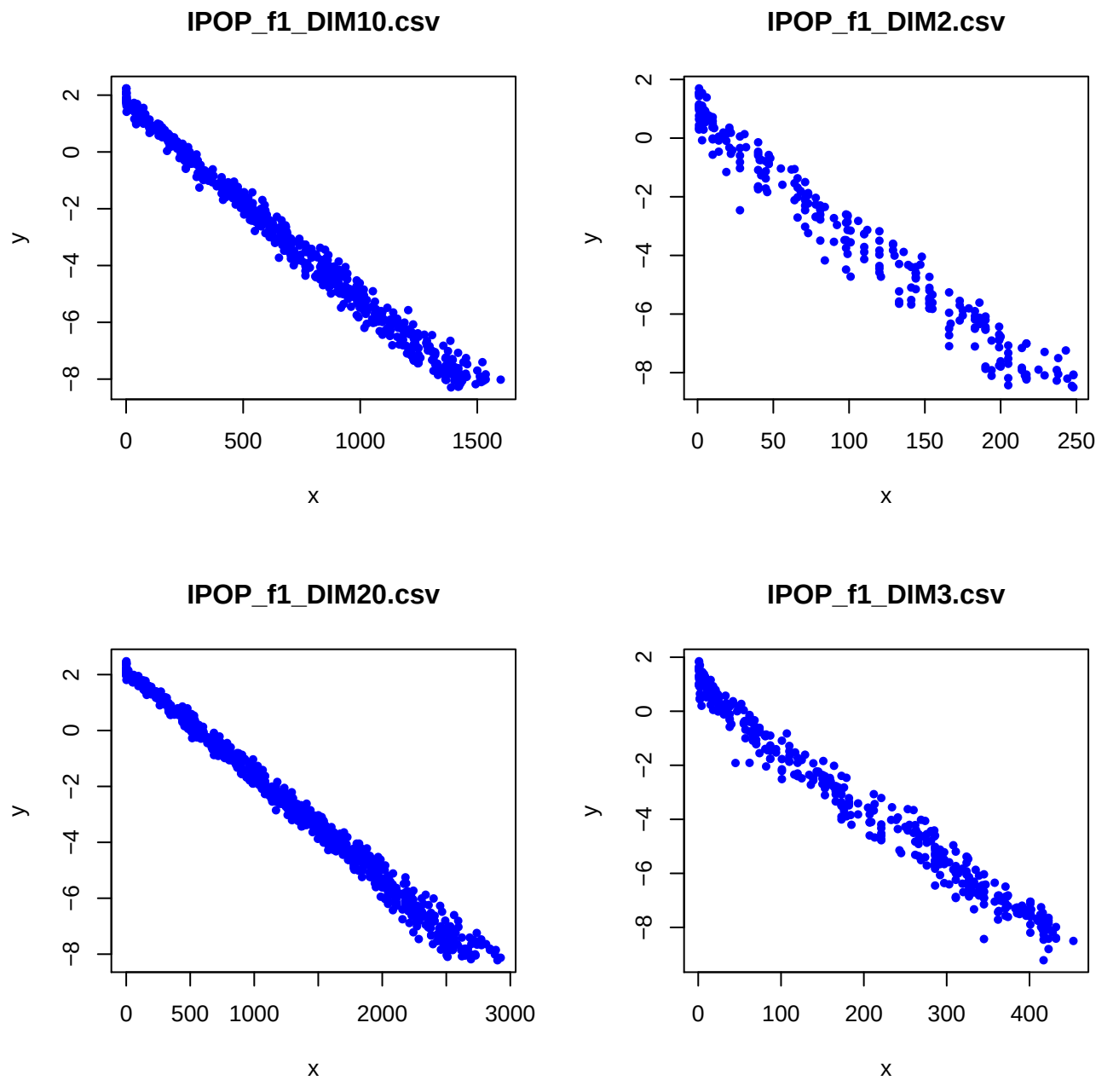
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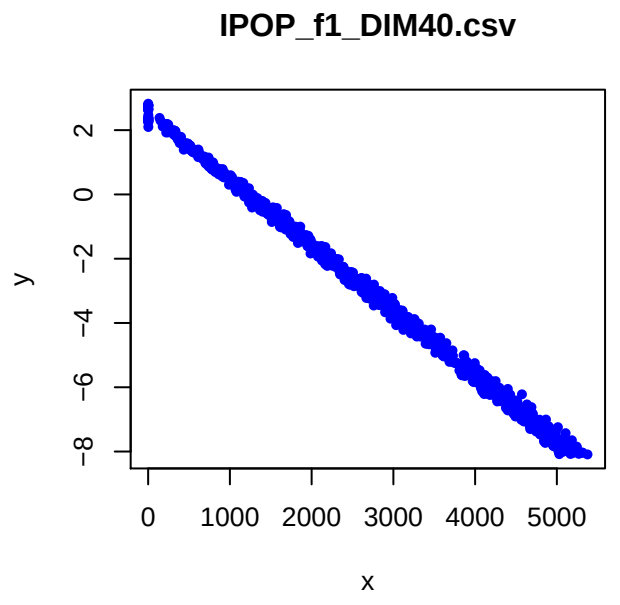
IPOP_f1_DIM2.csv
IPOP_f1_DIM20.csv
IPOP_f1_DIM3.csv
x
y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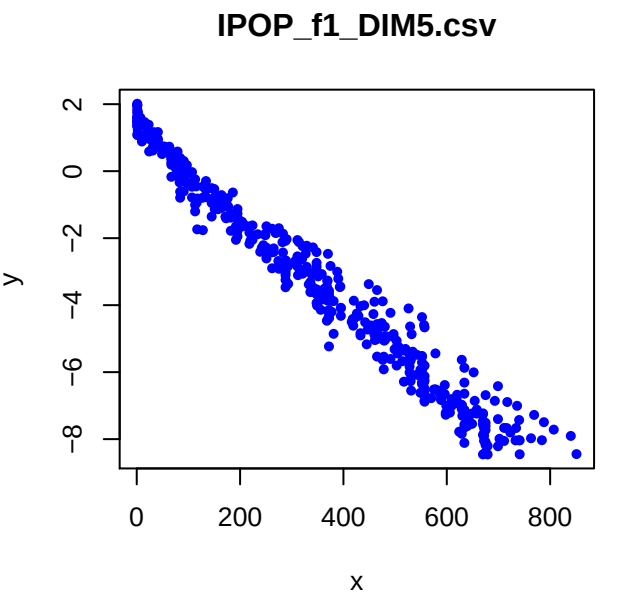
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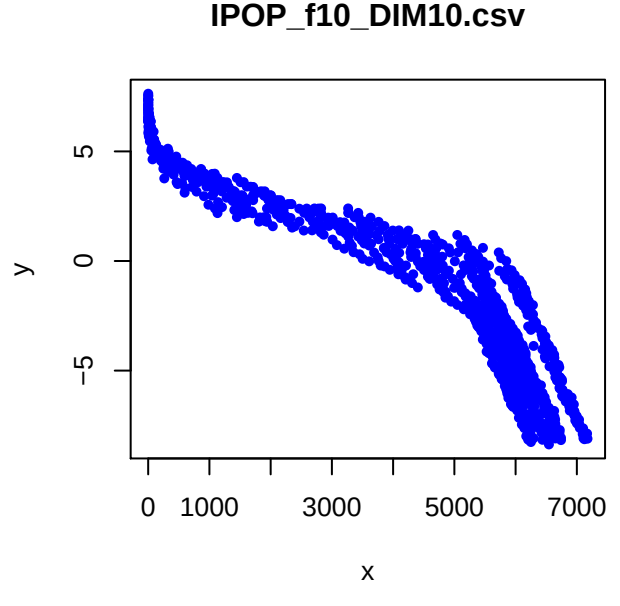
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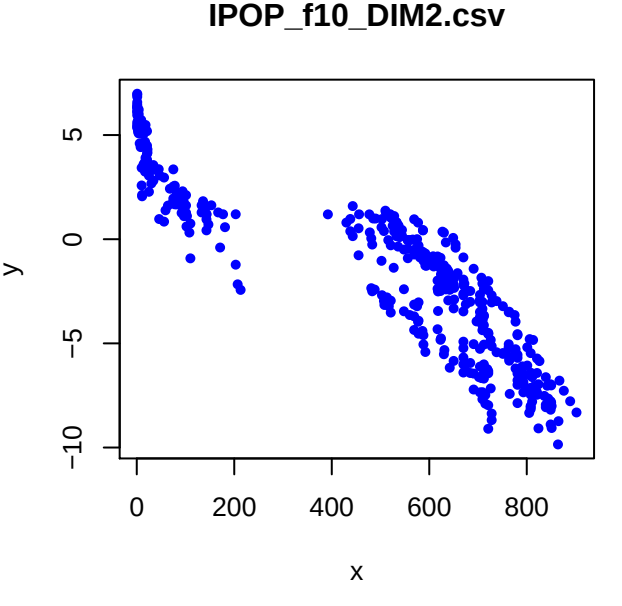
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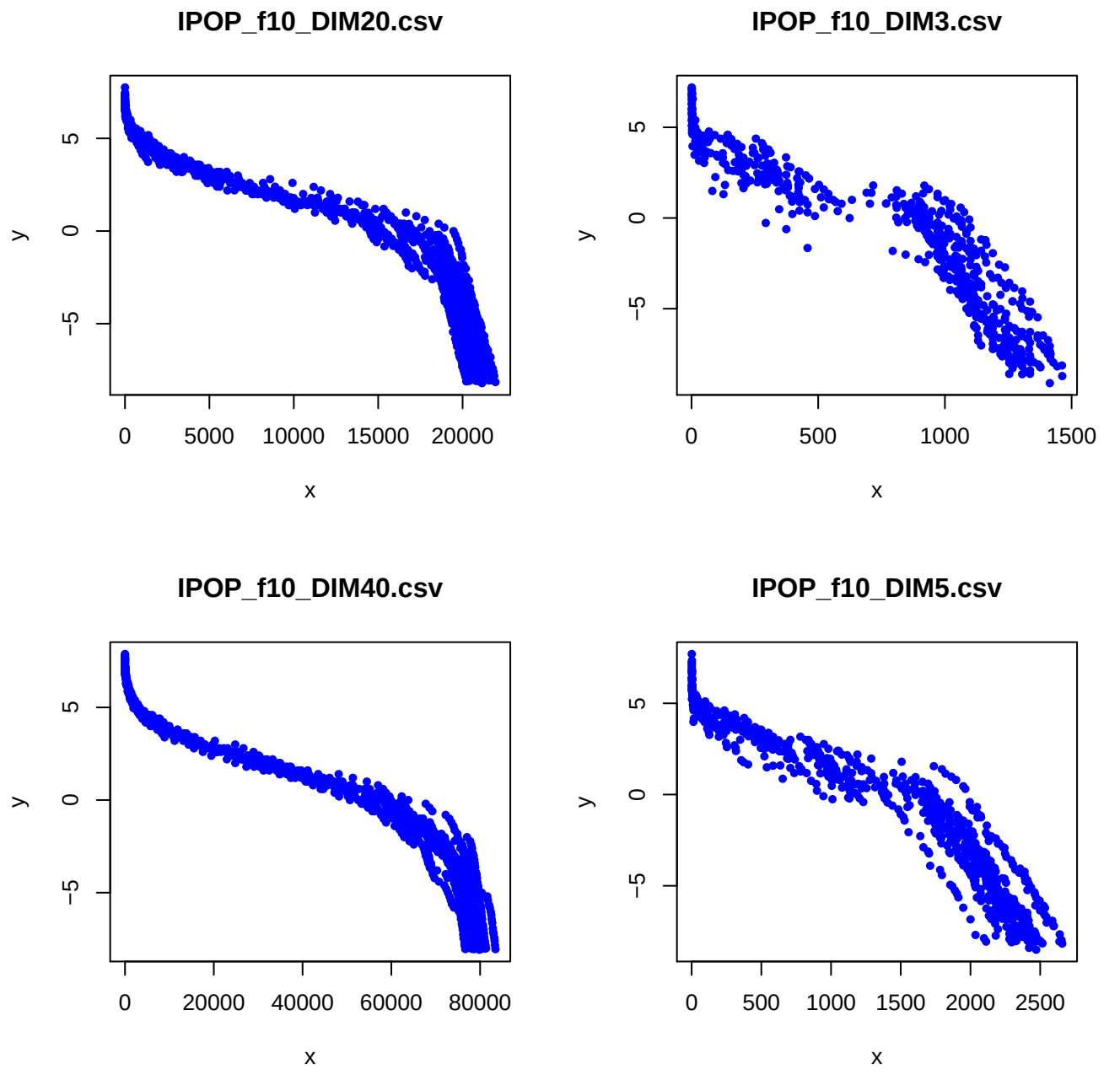
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IPOP_f10_DIM3.csv
IPOP_f10_DIM40.csv
IPOP_f10_DIM5.csv
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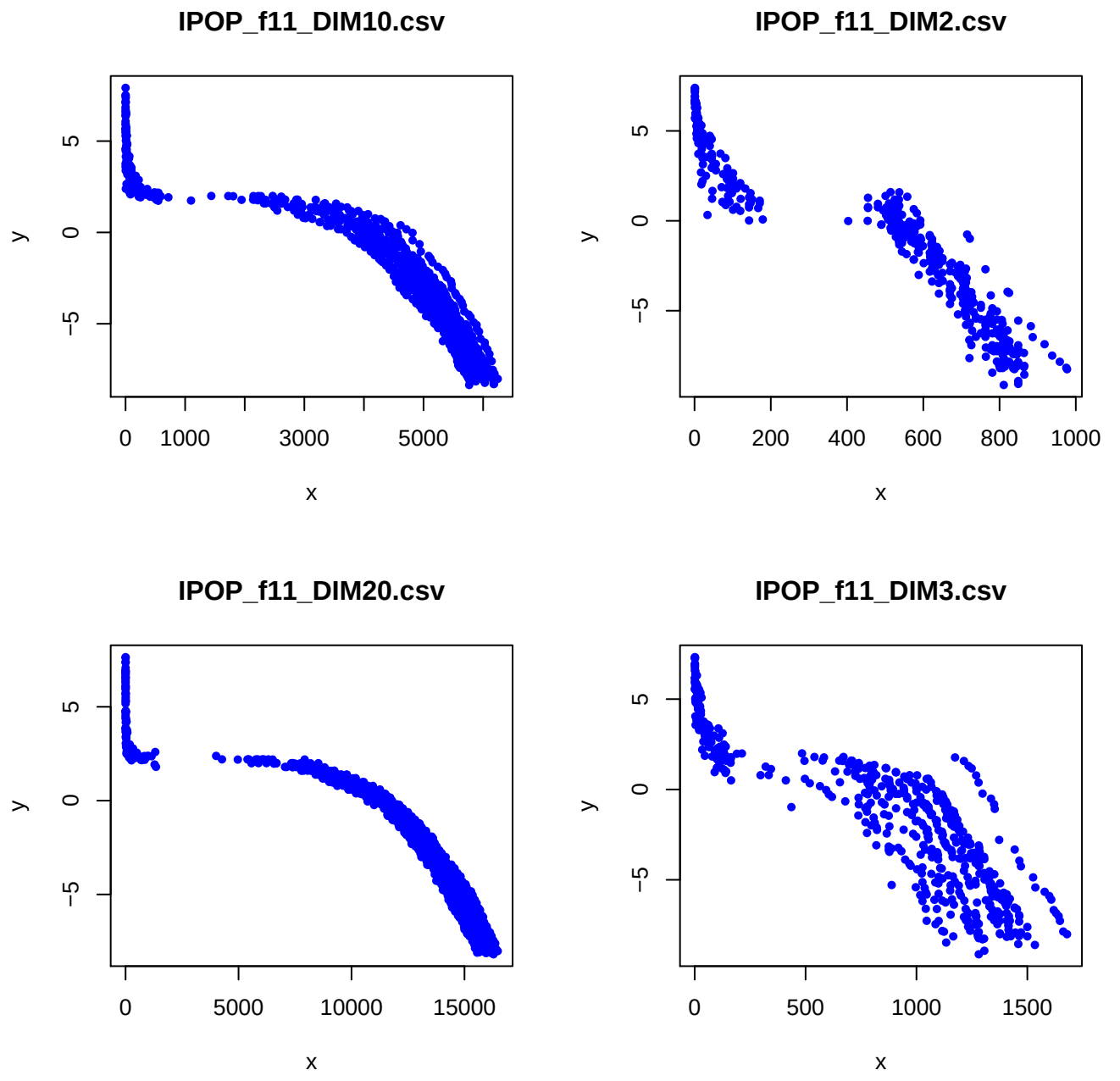
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x
IPOP_f11_DIM20.csv
y
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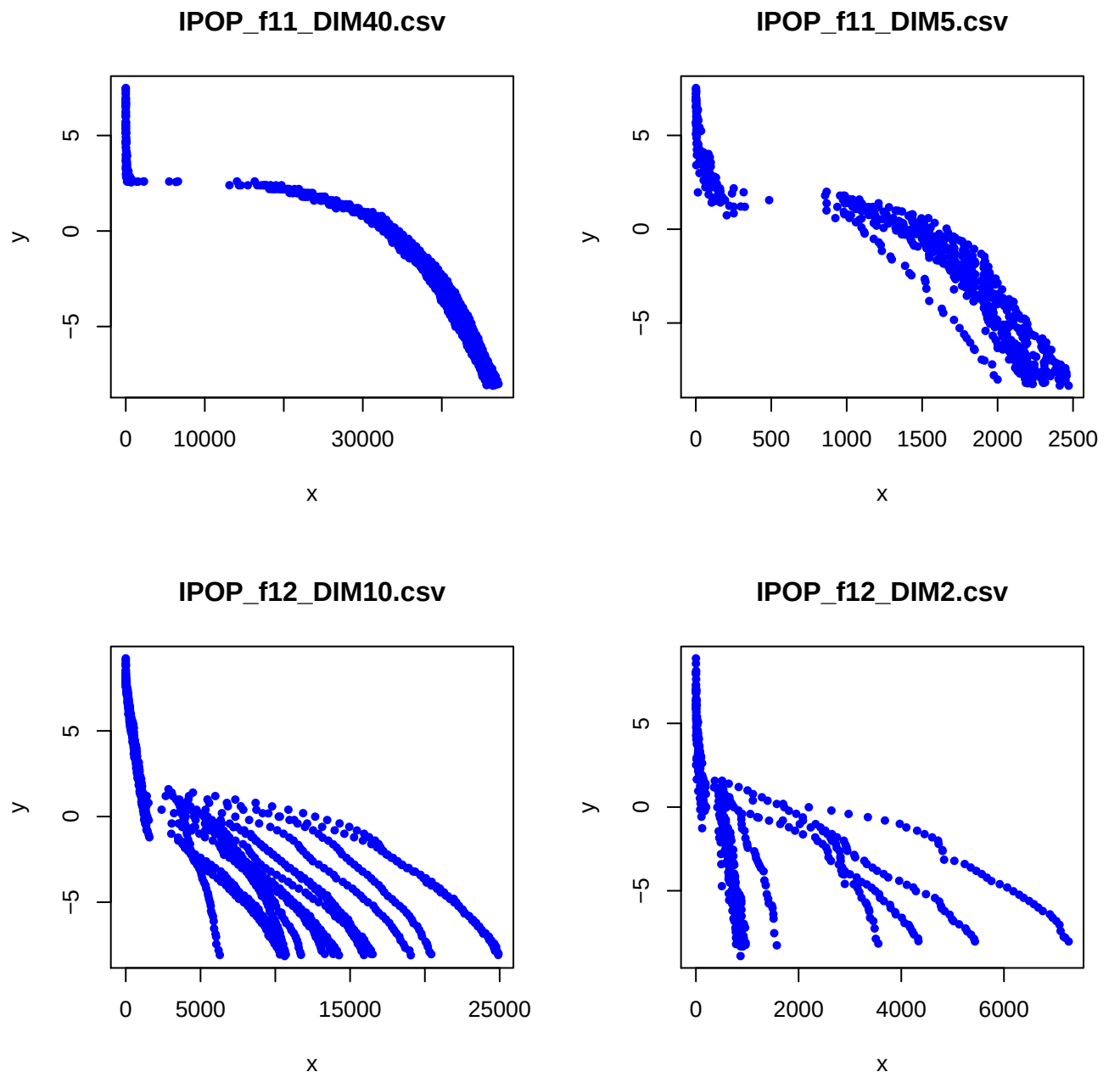
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IPOP_f11_DIM5.csv
IPOP_f12_DIM10.csv
IPOP_f12_DIM2.csv
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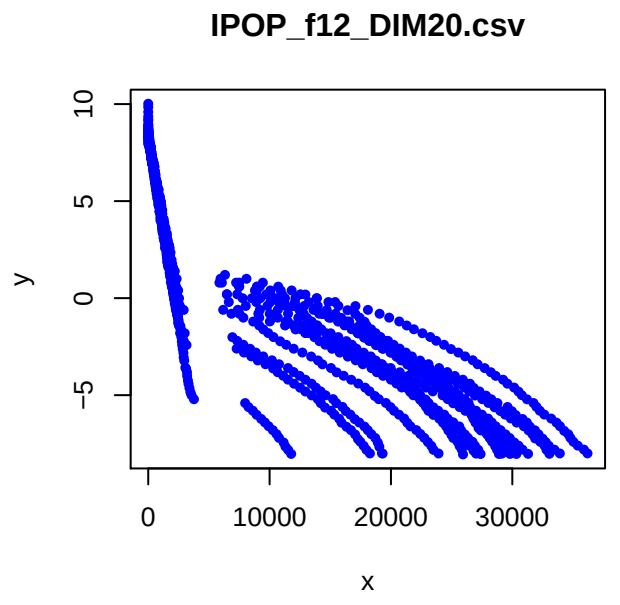
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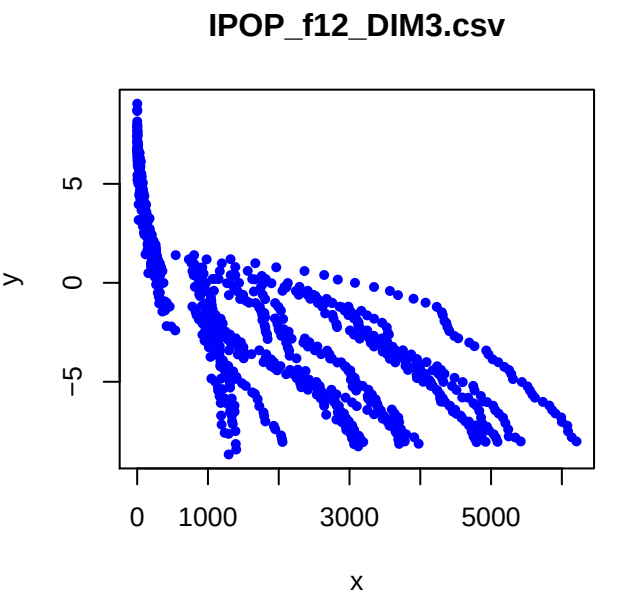
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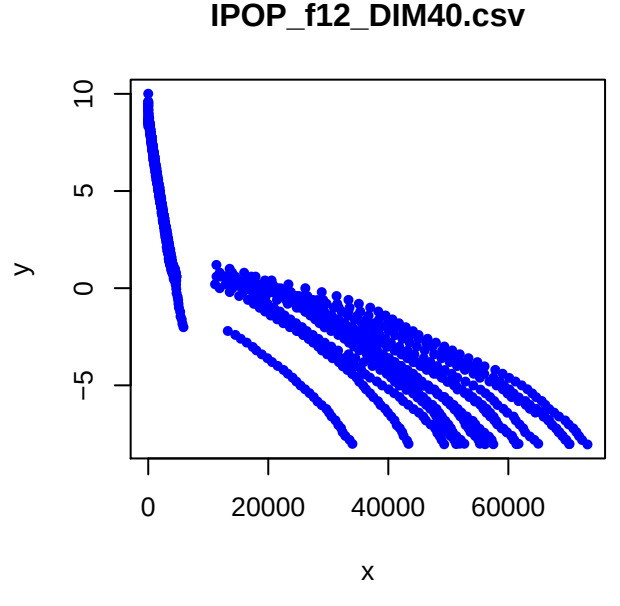
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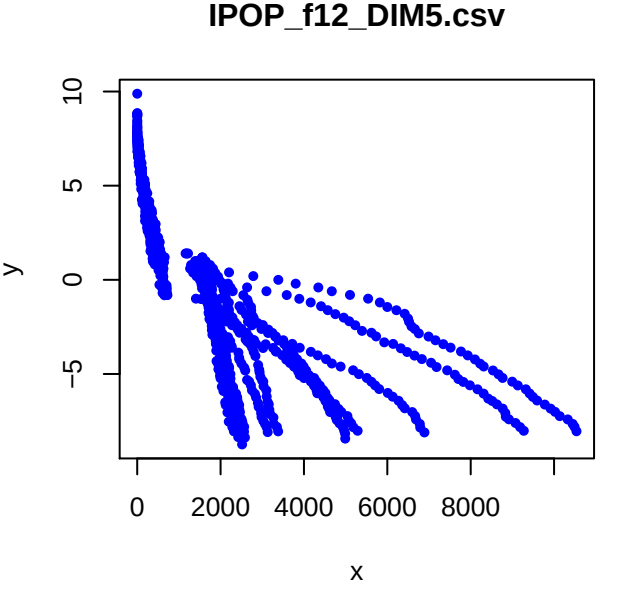
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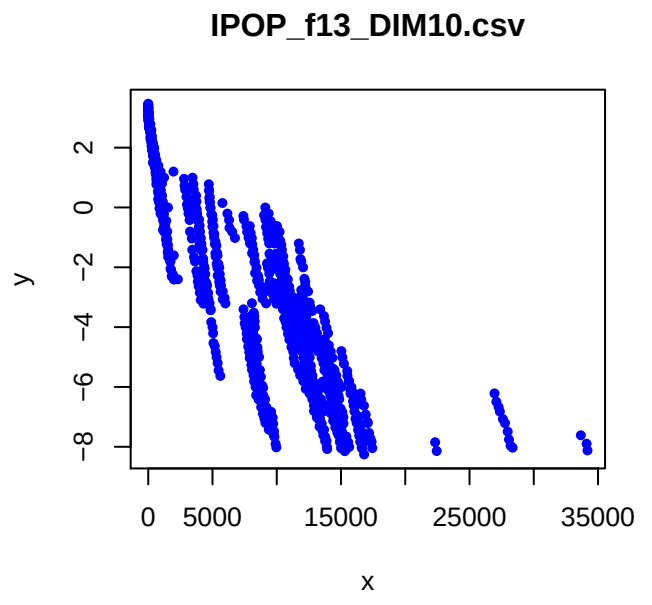
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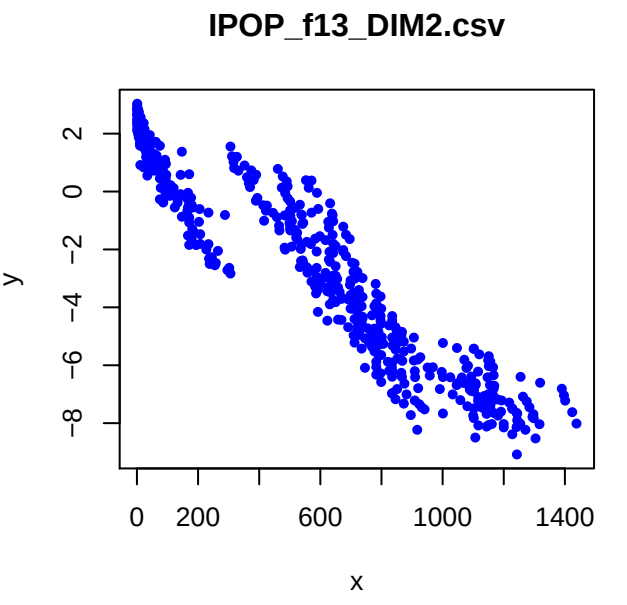
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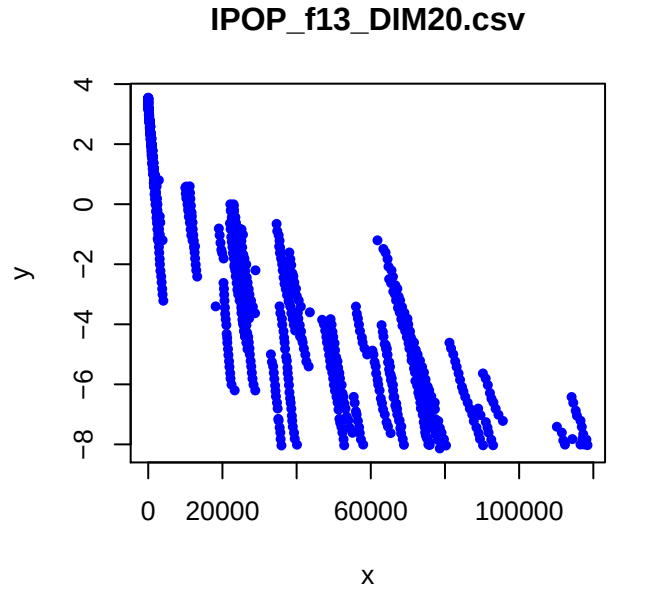
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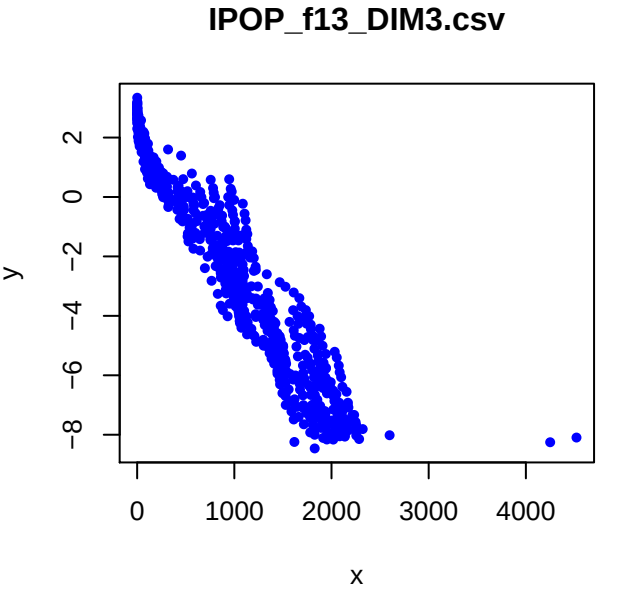
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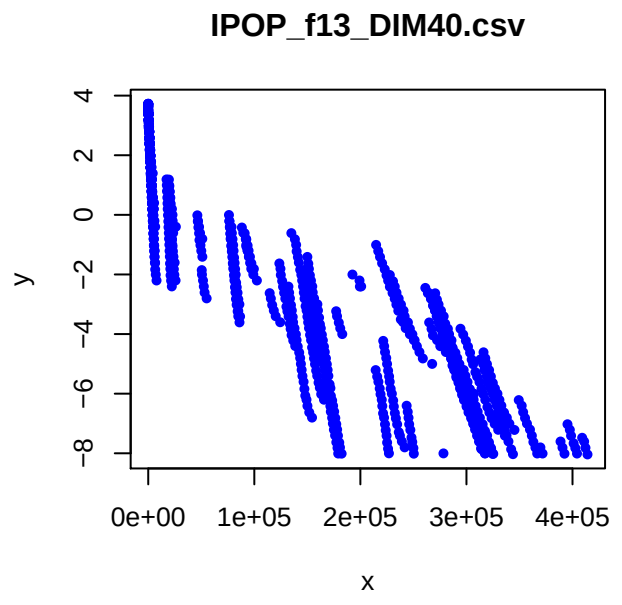
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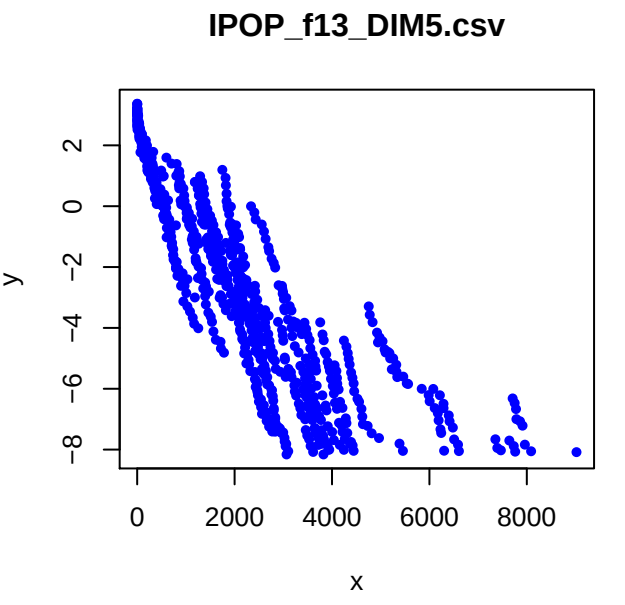
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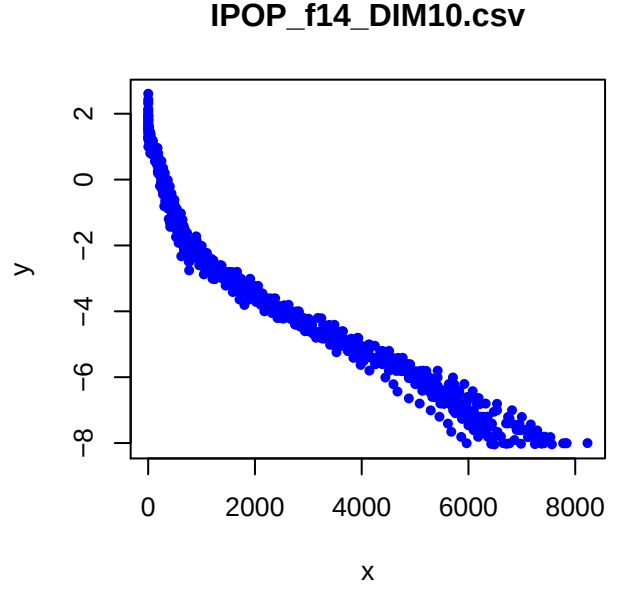
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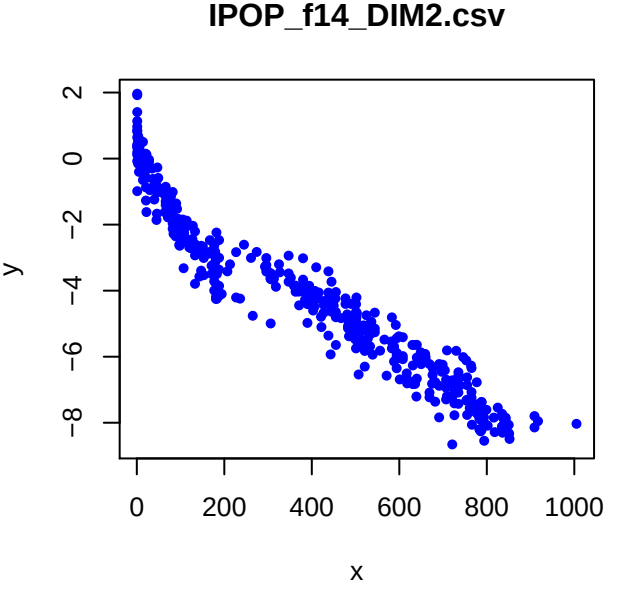
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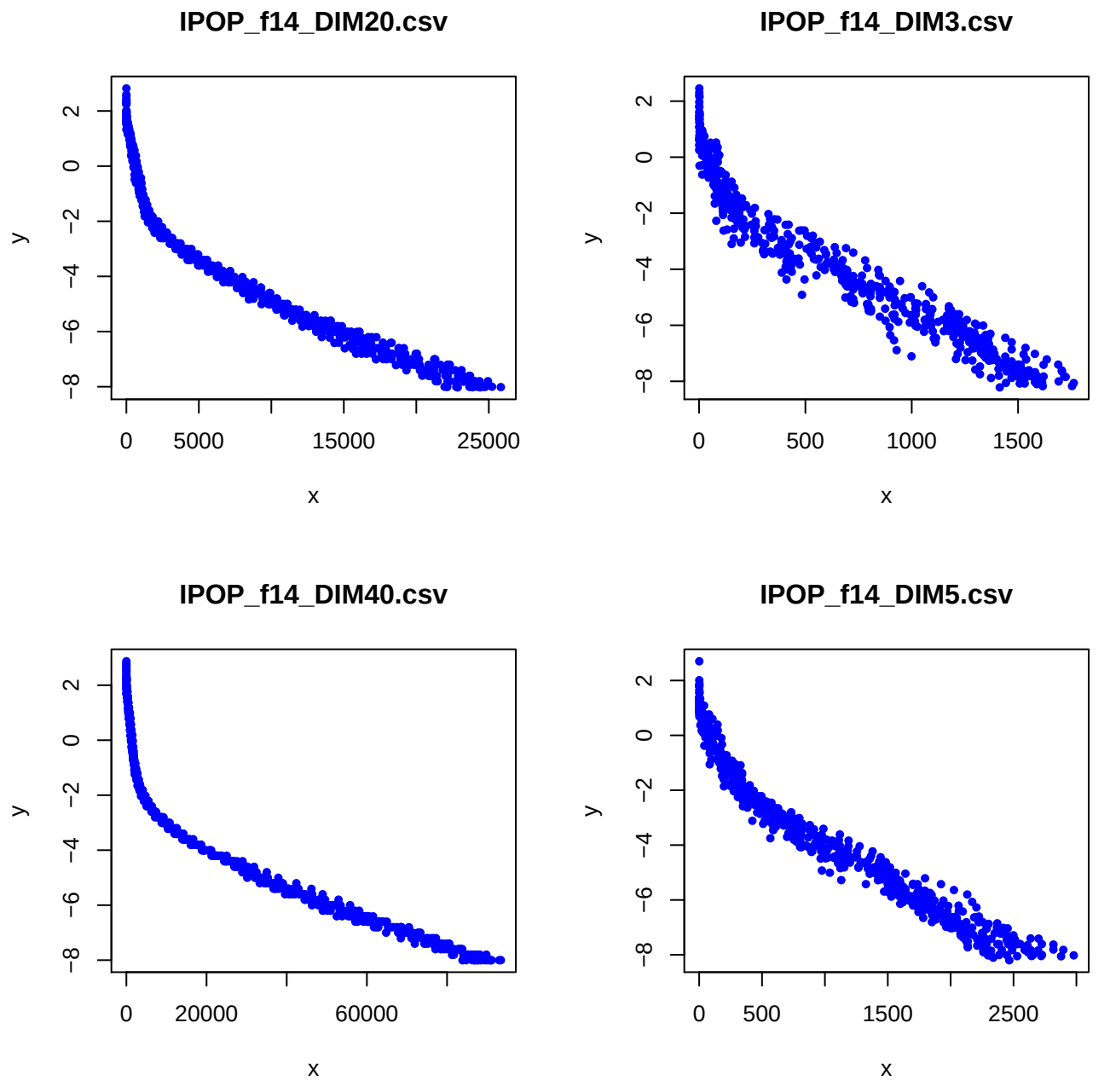
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IPOP_f14_DIM3.csv
IPOP_f14_DIM40.csv
IPOP_f14_DIM5.csv
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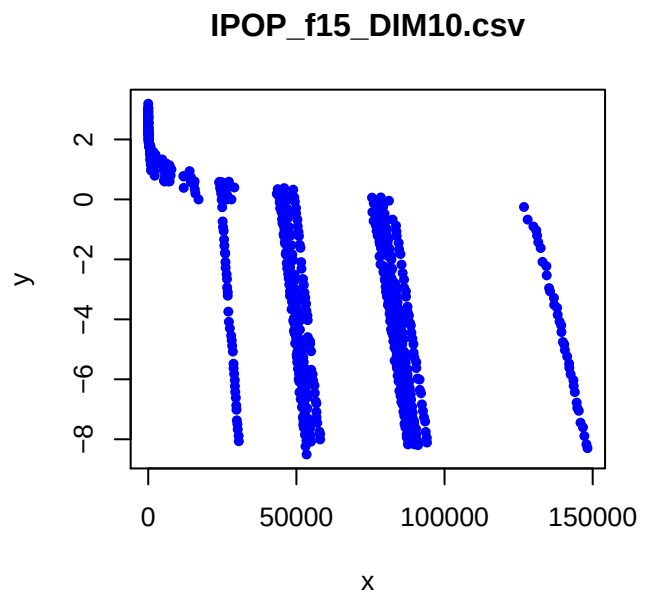
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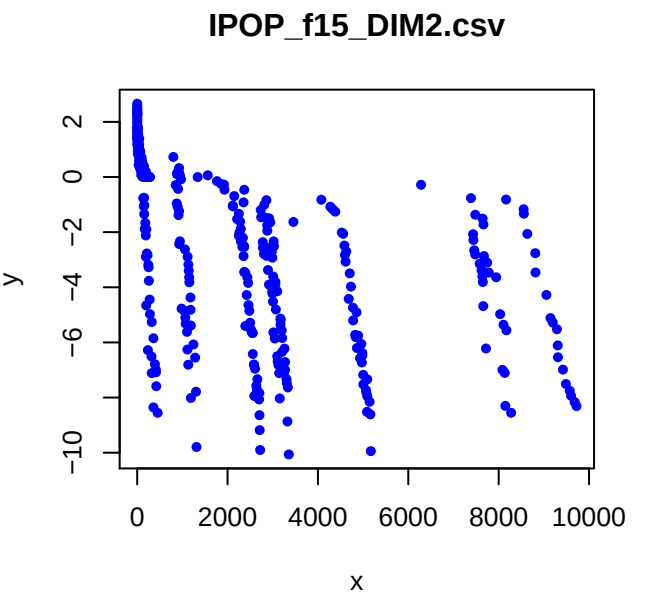
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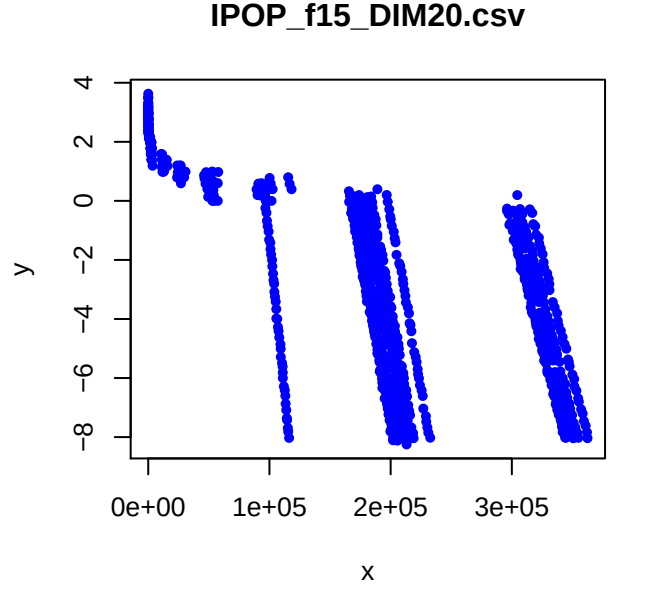
IPOP_f15_DIM20.csv
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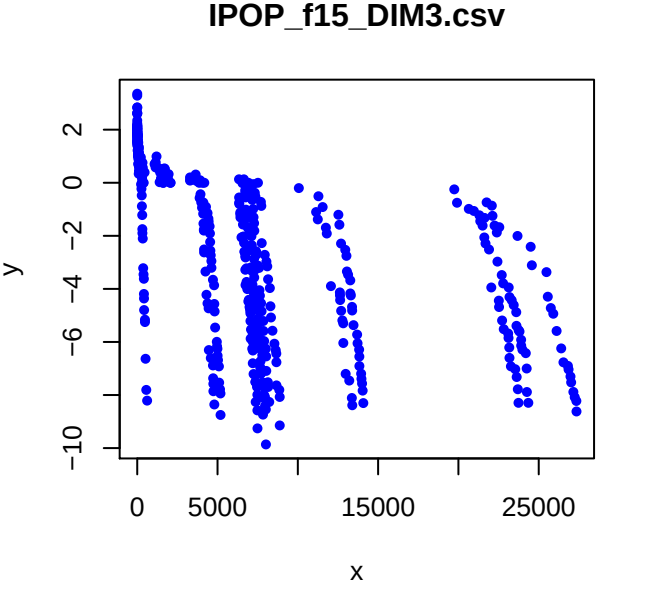
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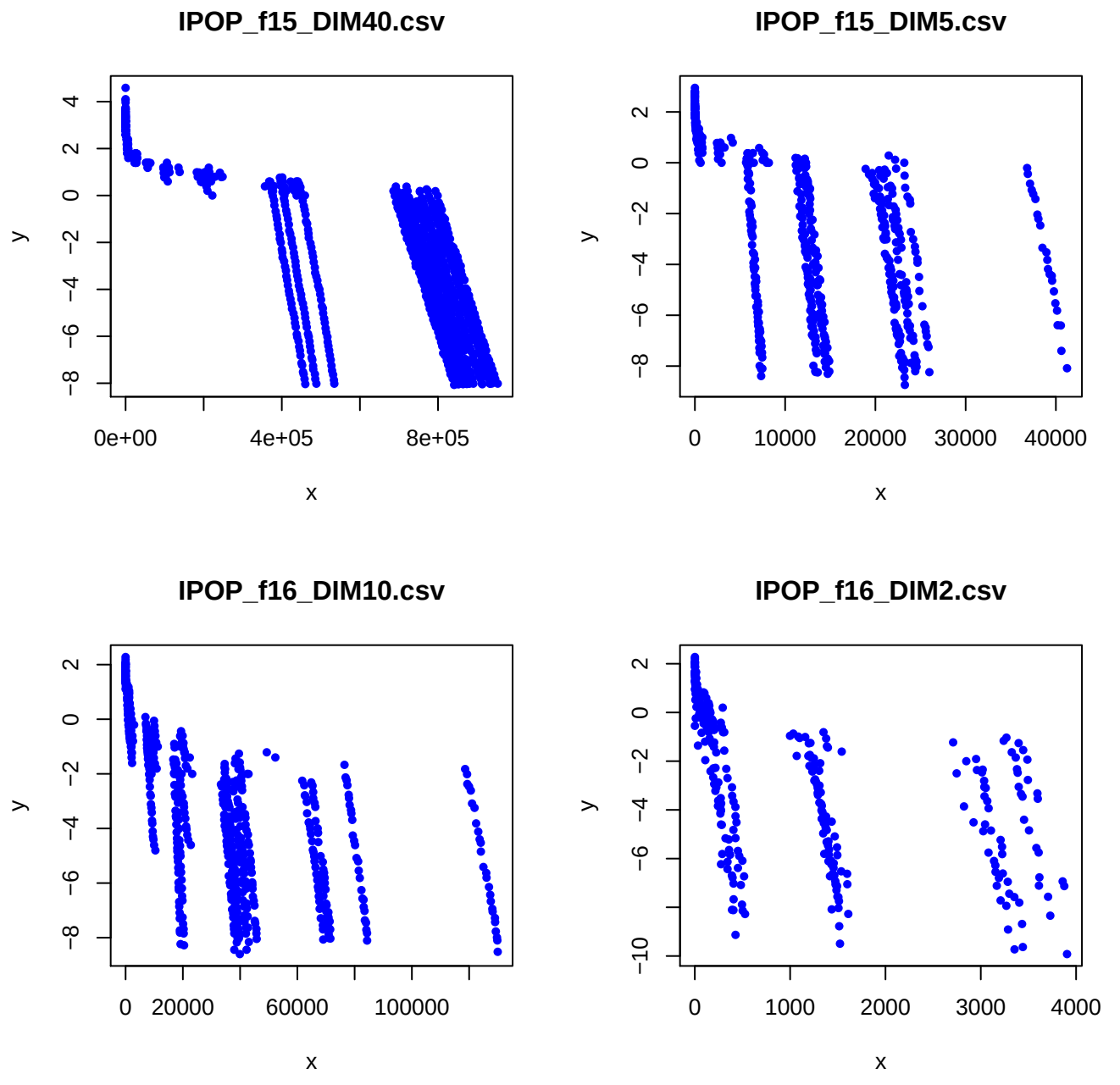
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IPOP_f15_DIM5.csv
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IPOP_f16_DIM10.csv
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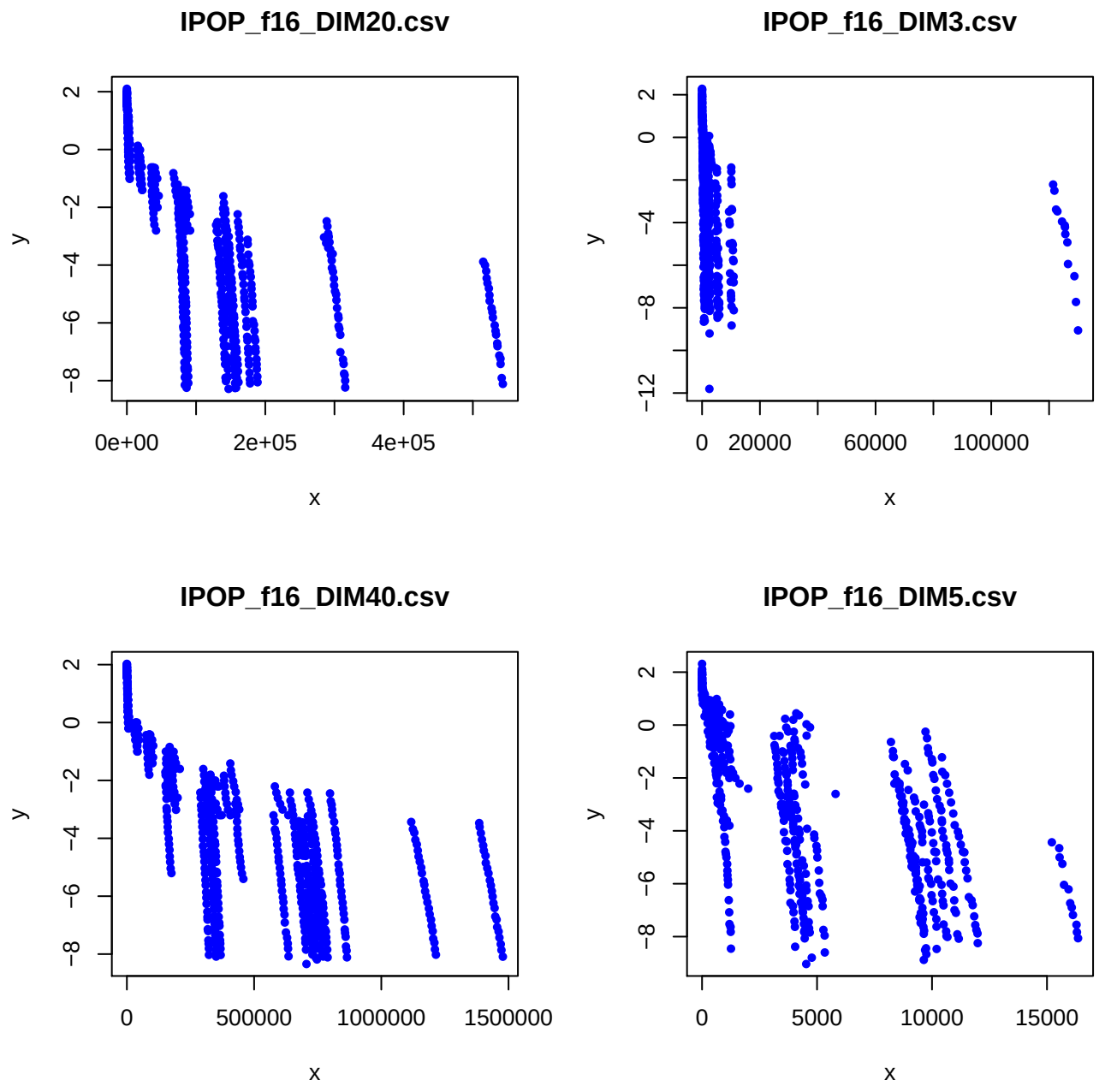
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x
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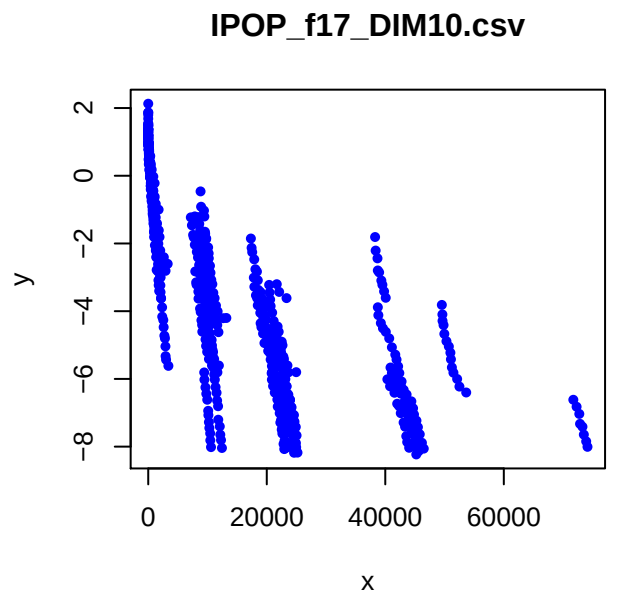
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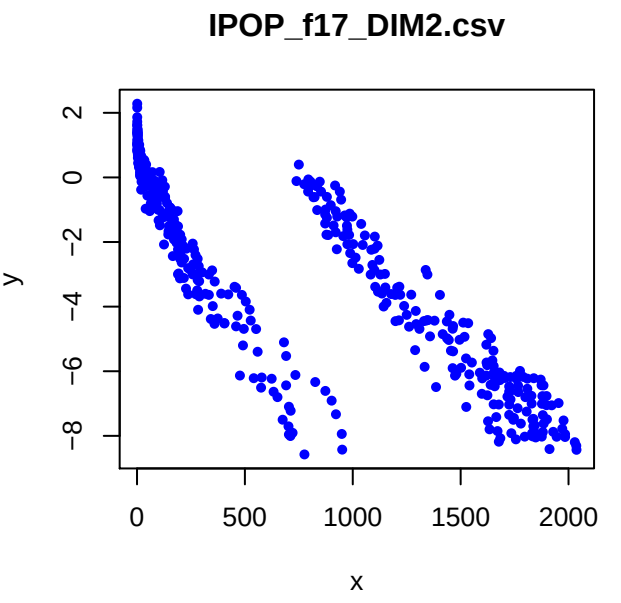
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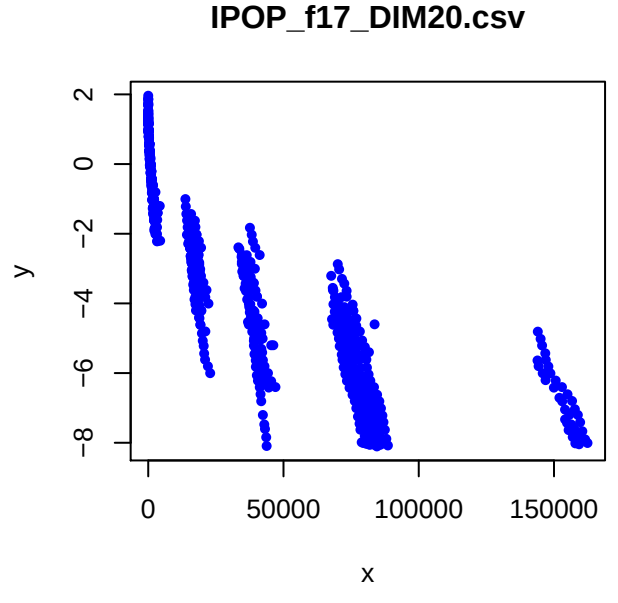
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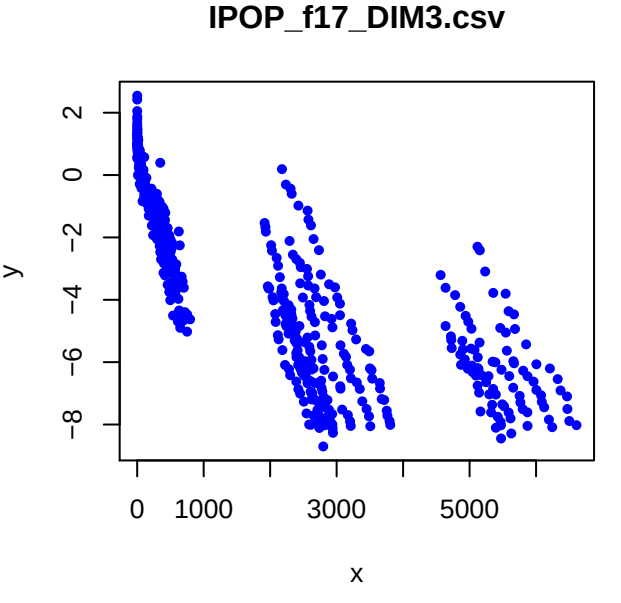
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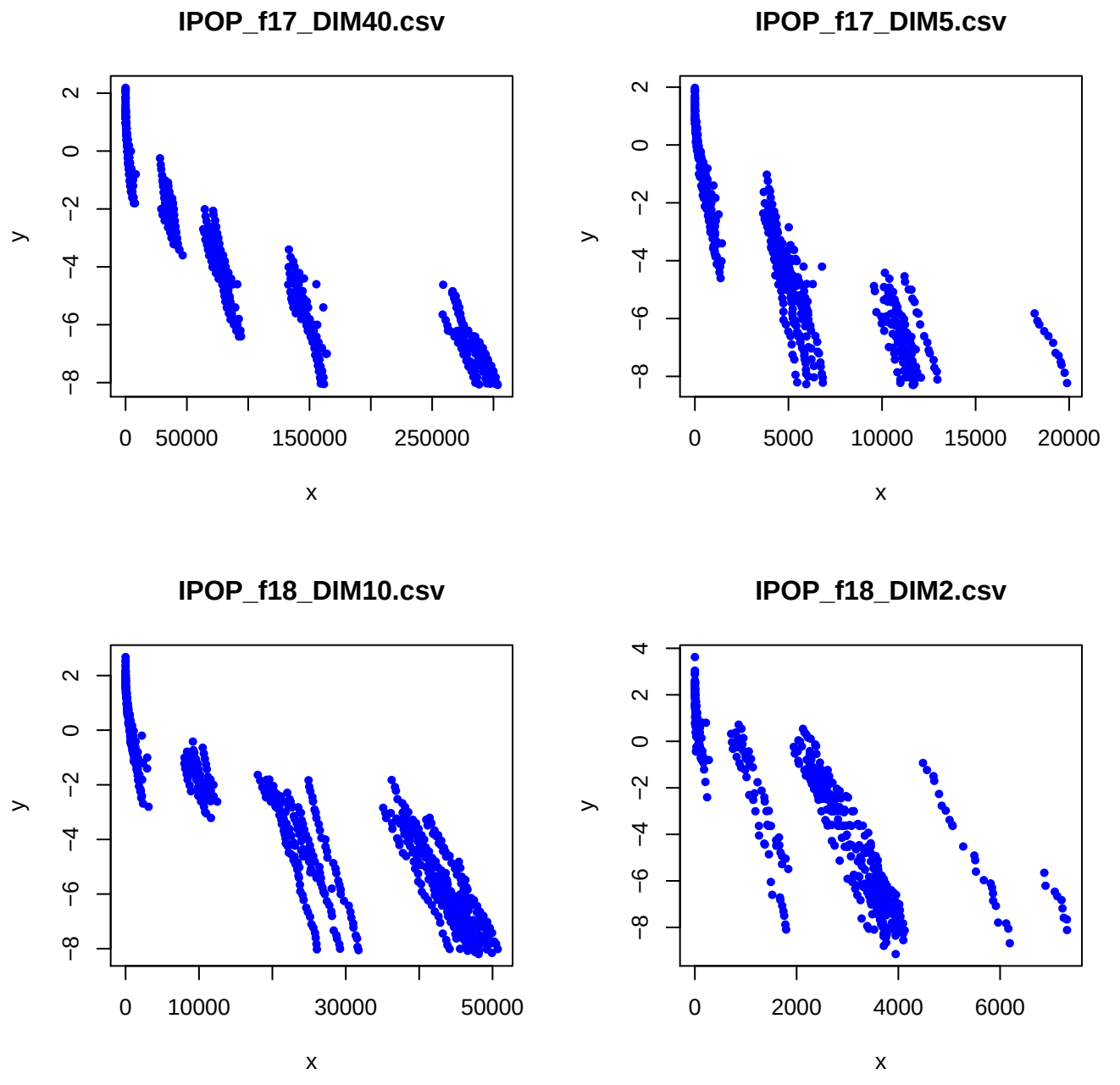
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IPOP_f18_DIM10.csv
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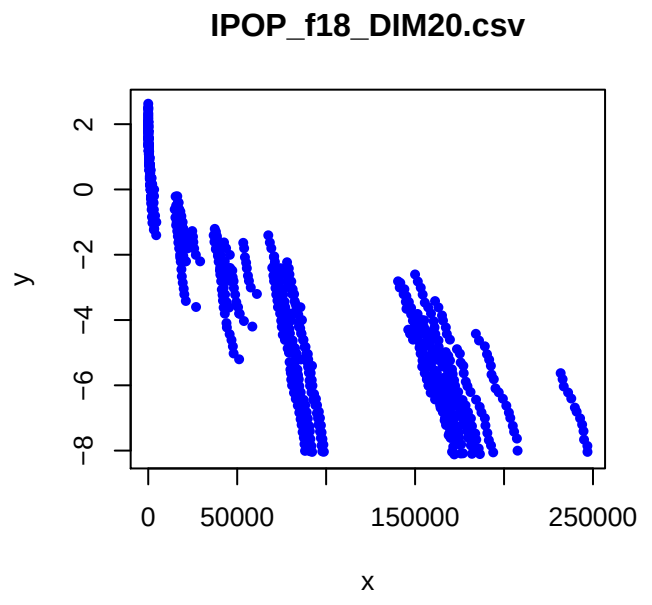
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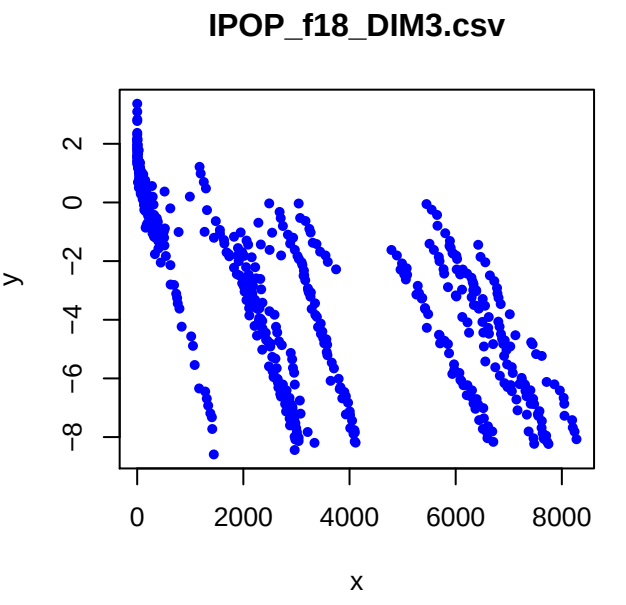
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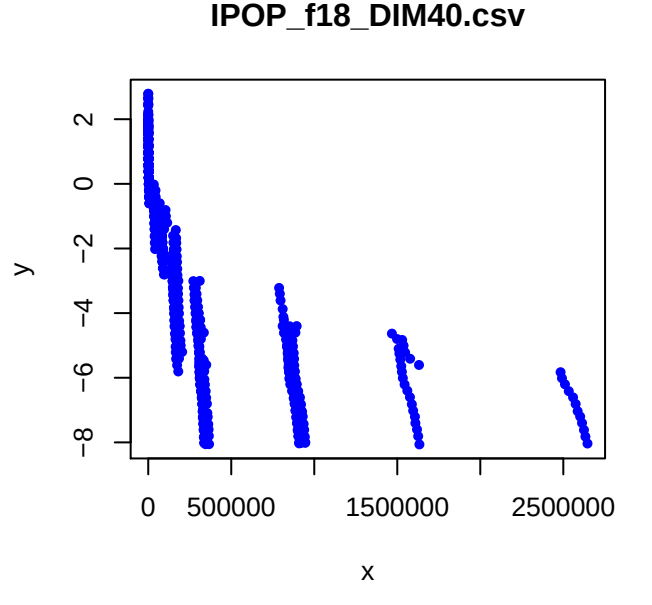
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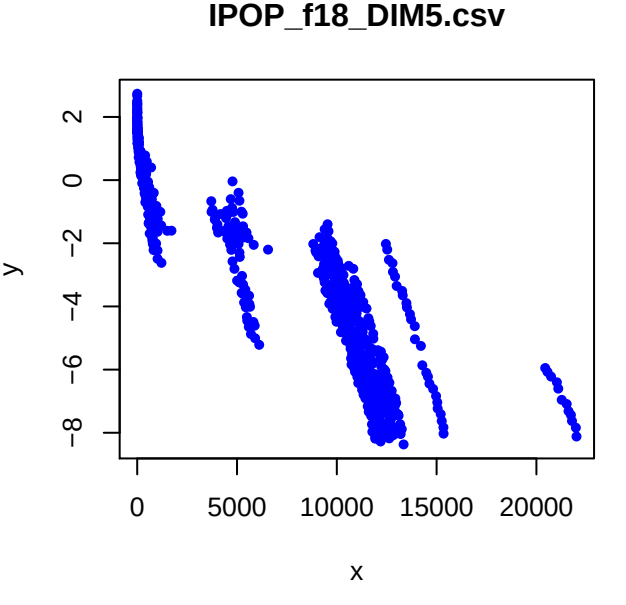
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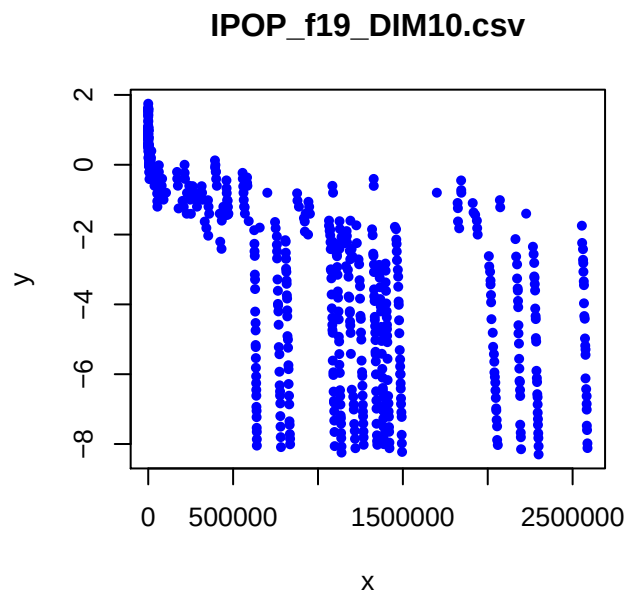
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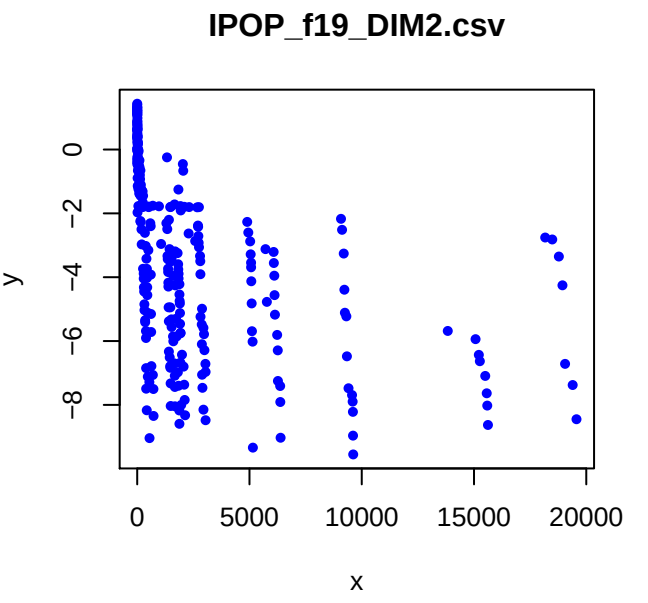
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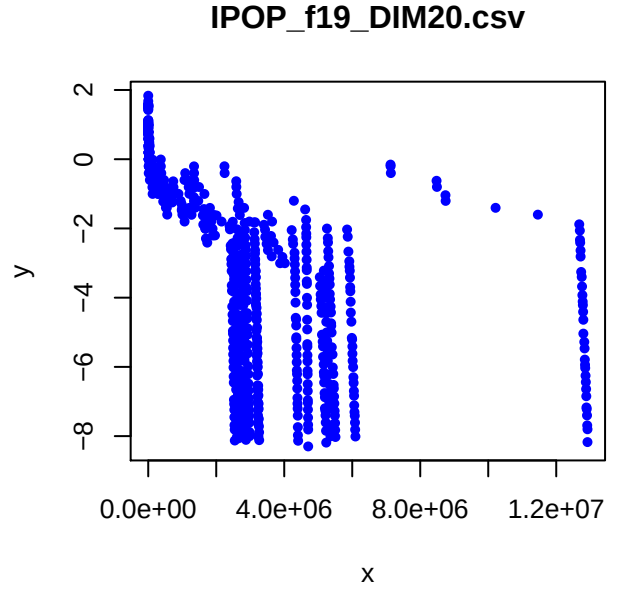
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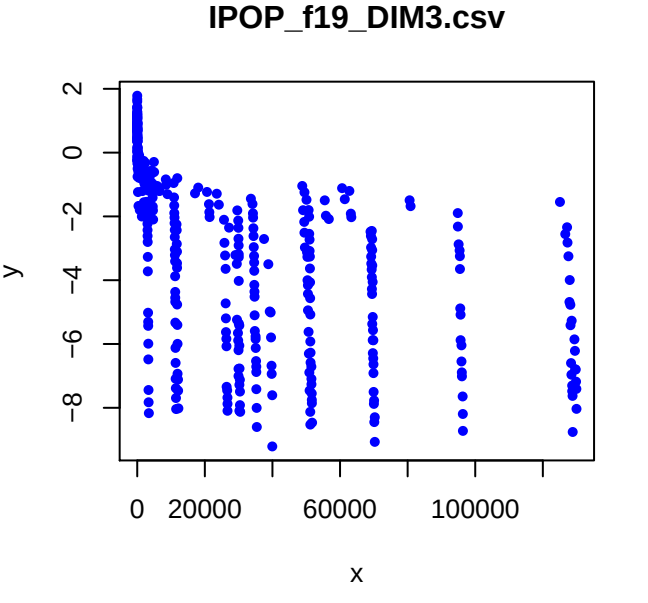
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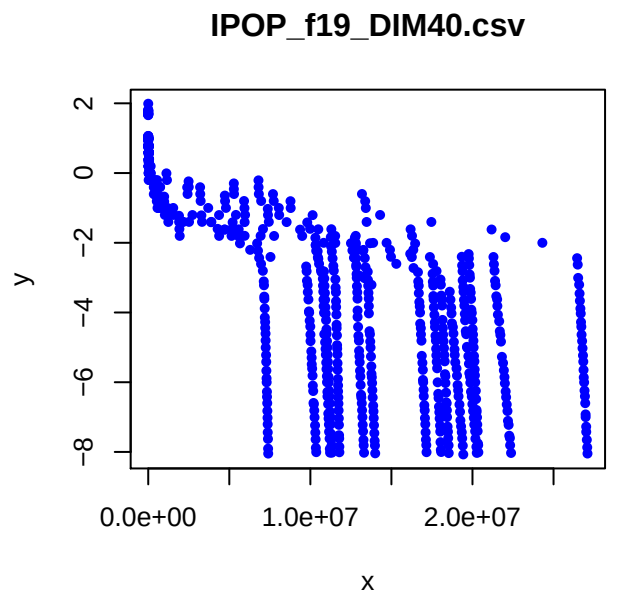
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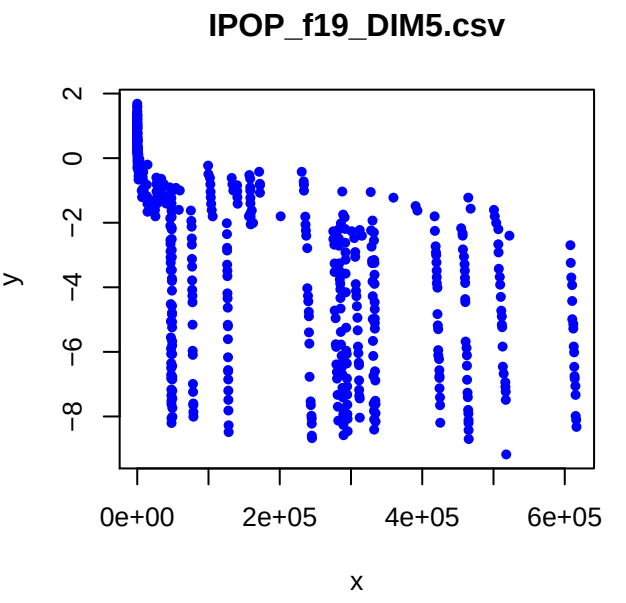
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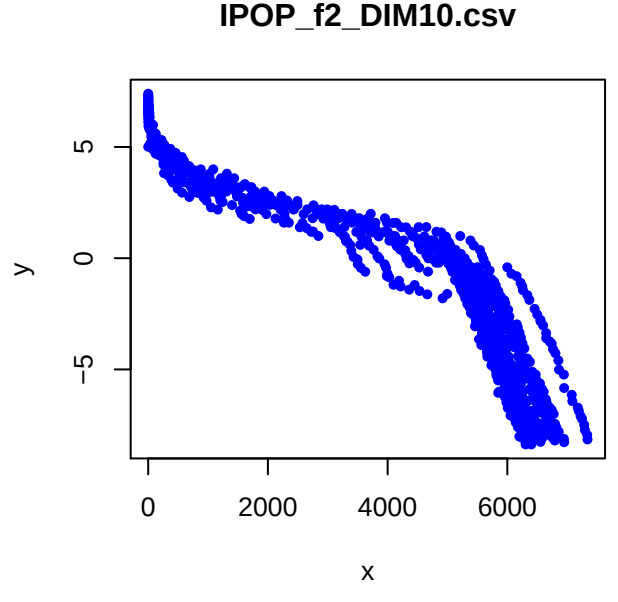
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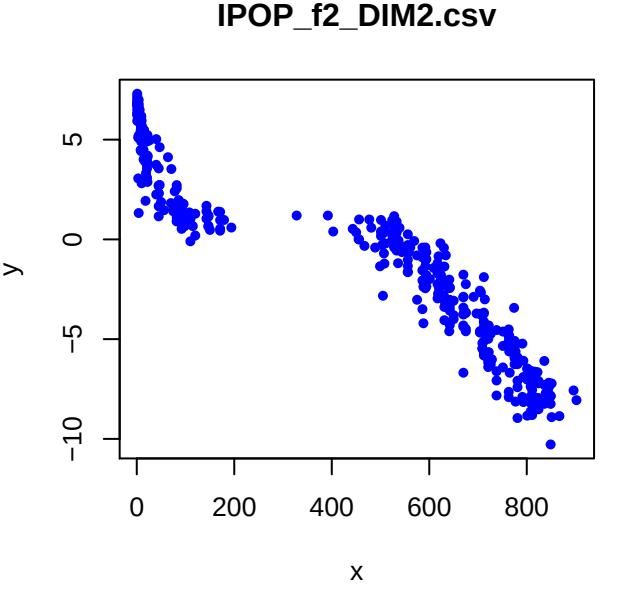
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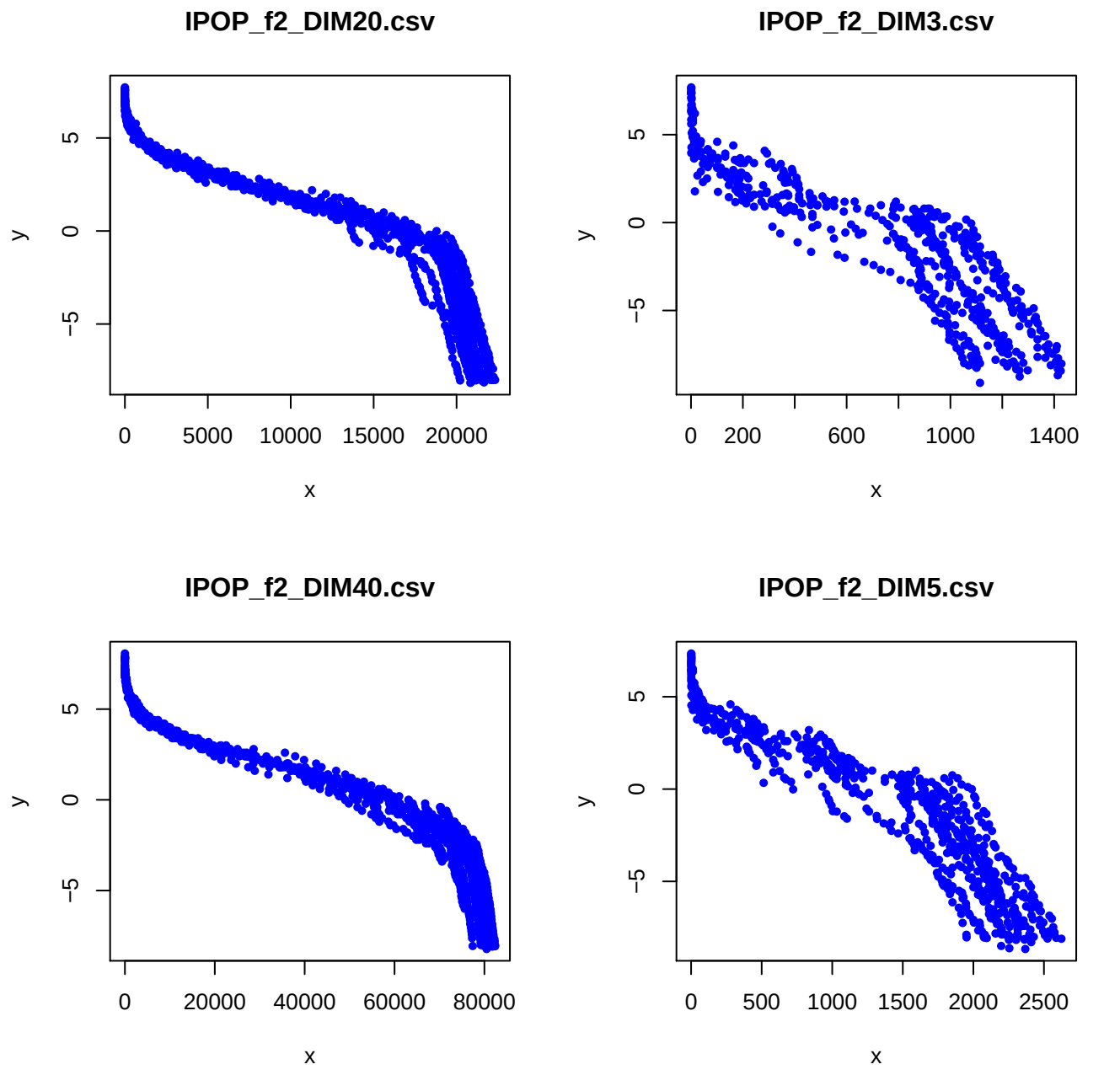
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x
IPOP_f2_DIM40.csv
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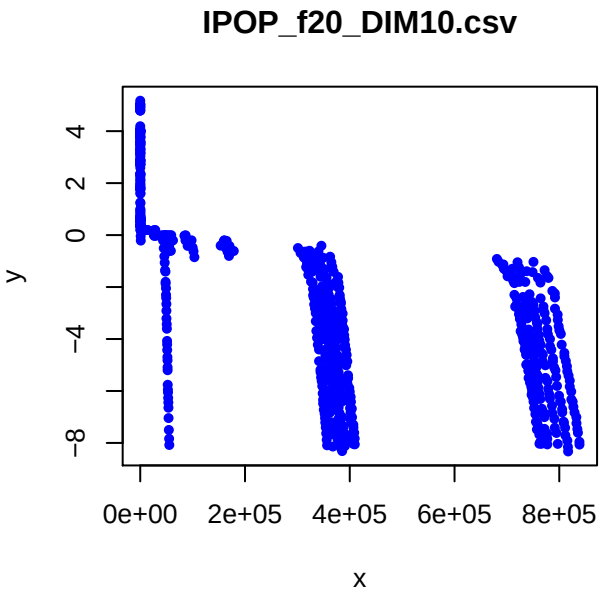
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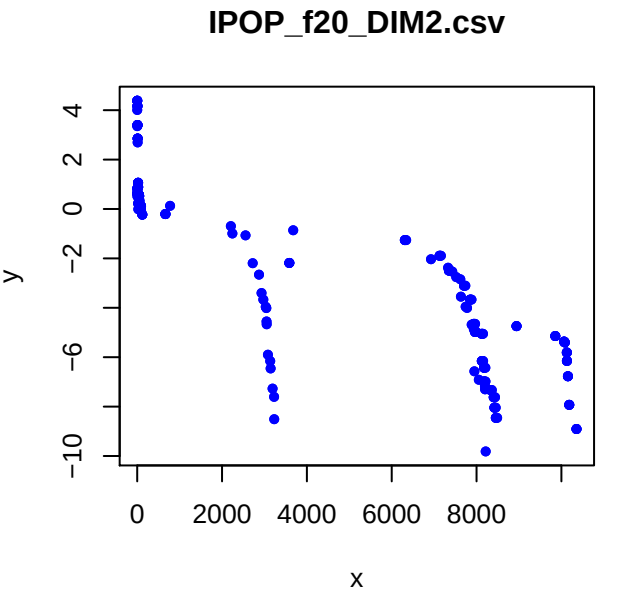
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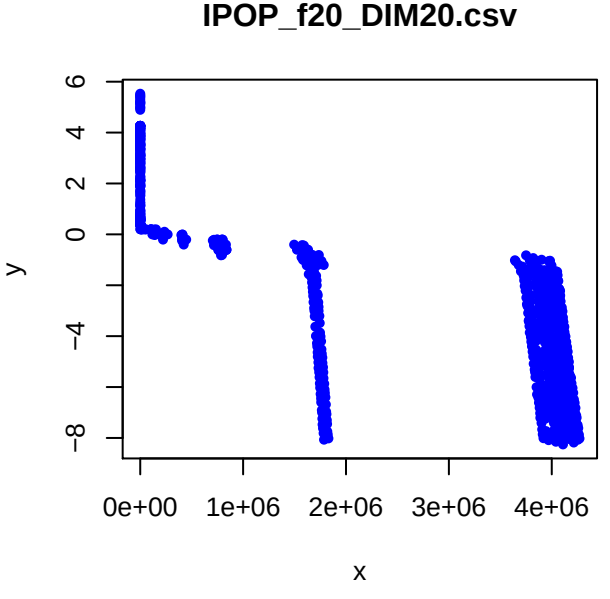
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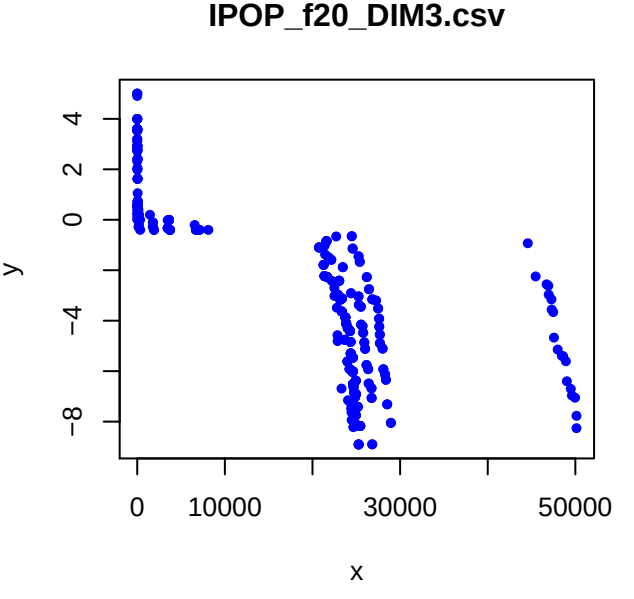
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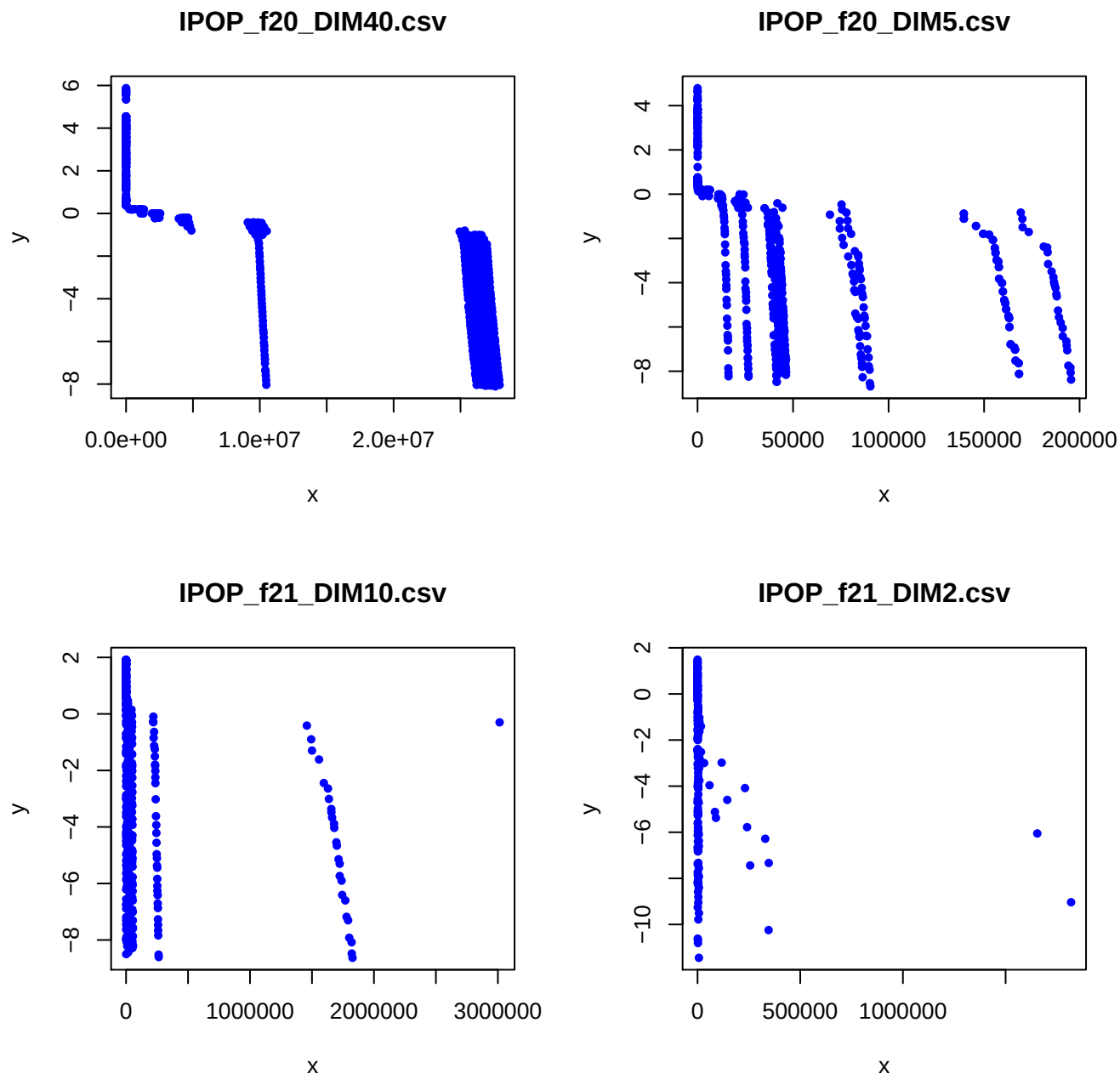
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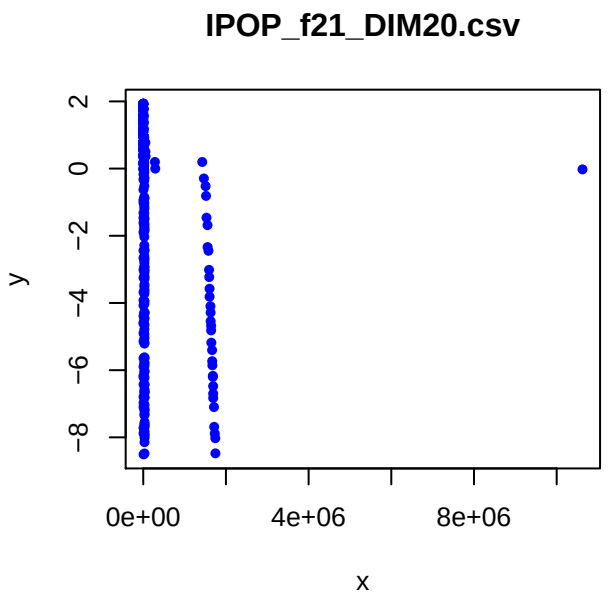
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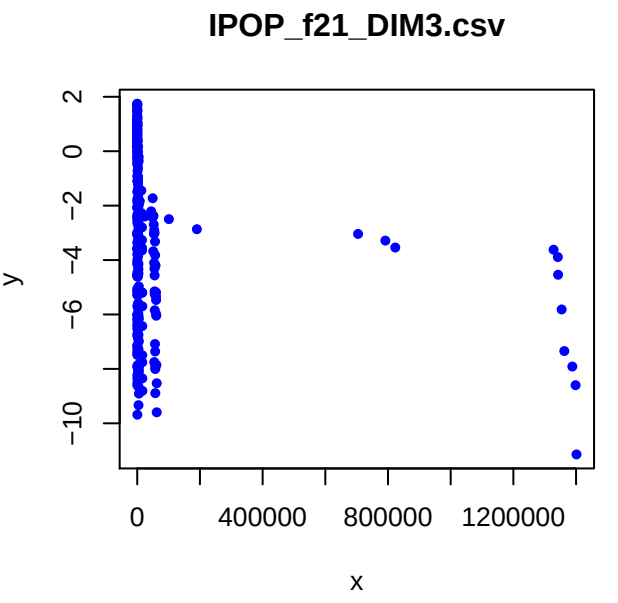
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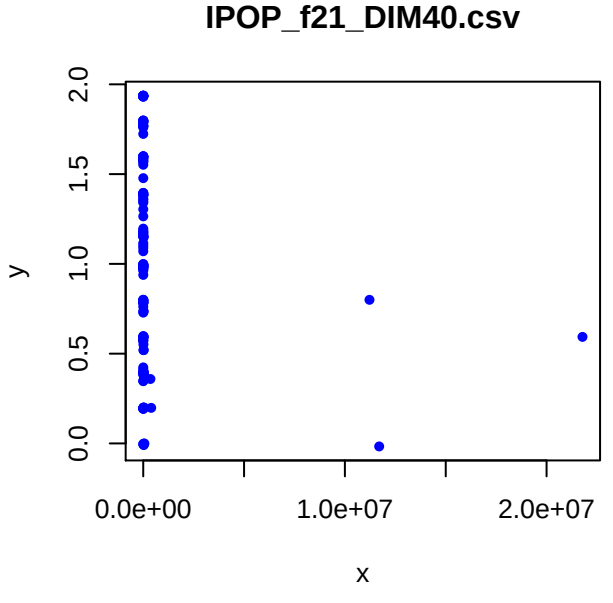
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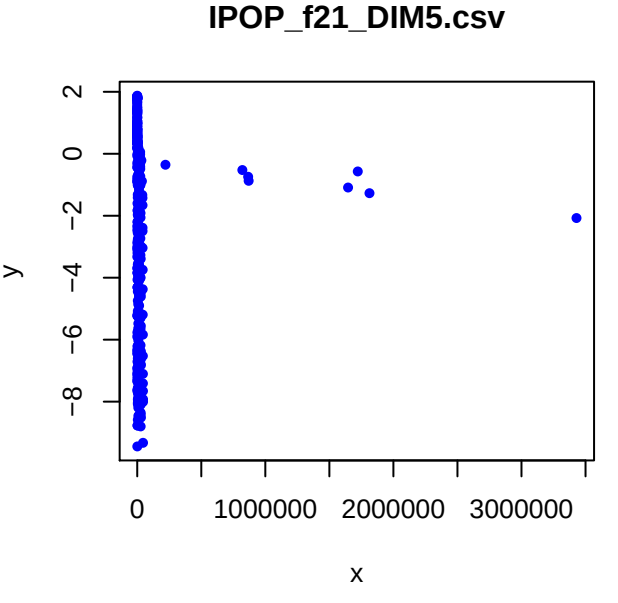
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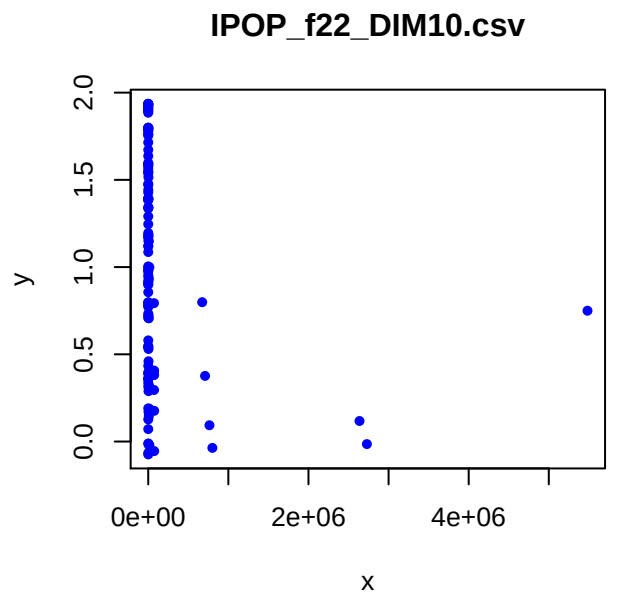
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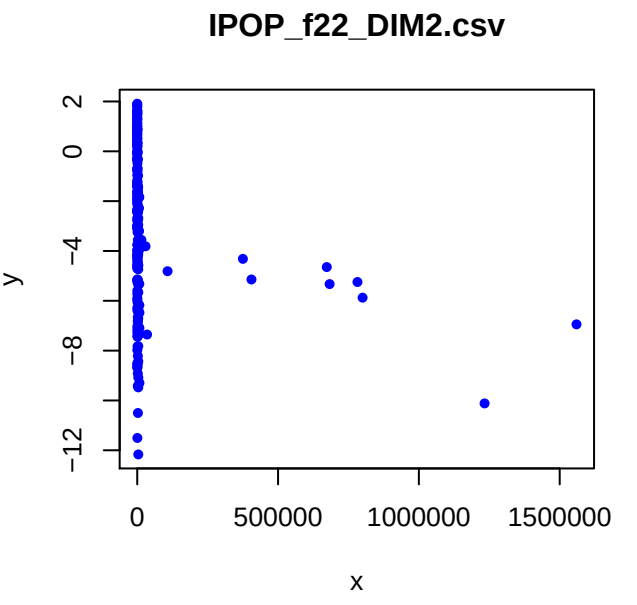
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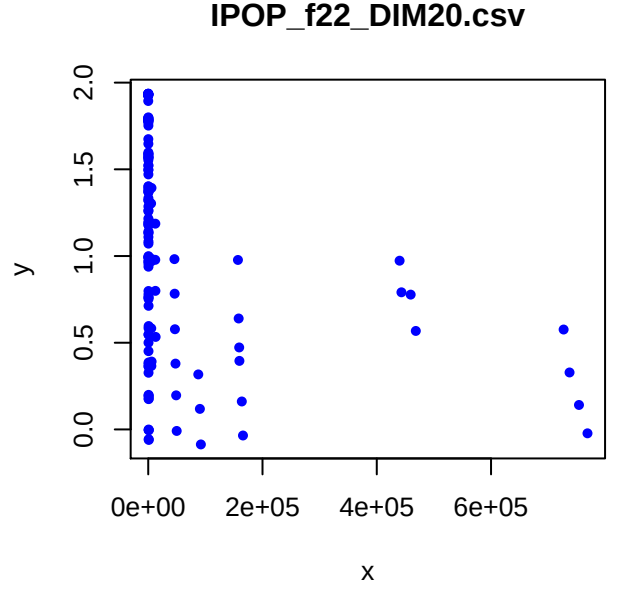
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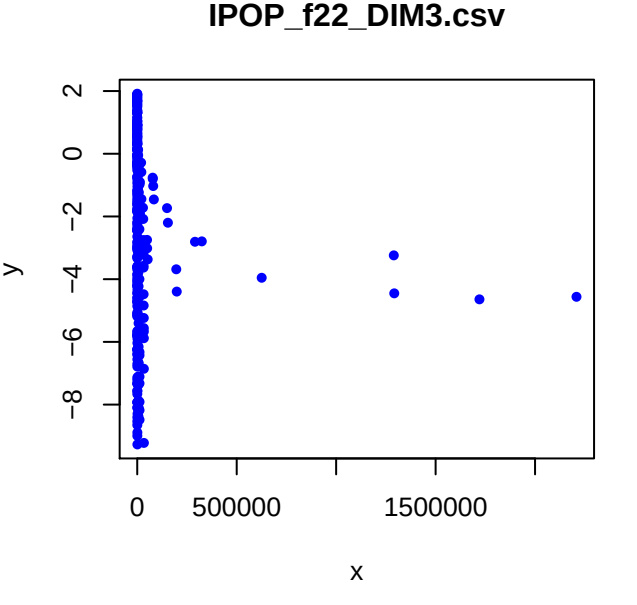
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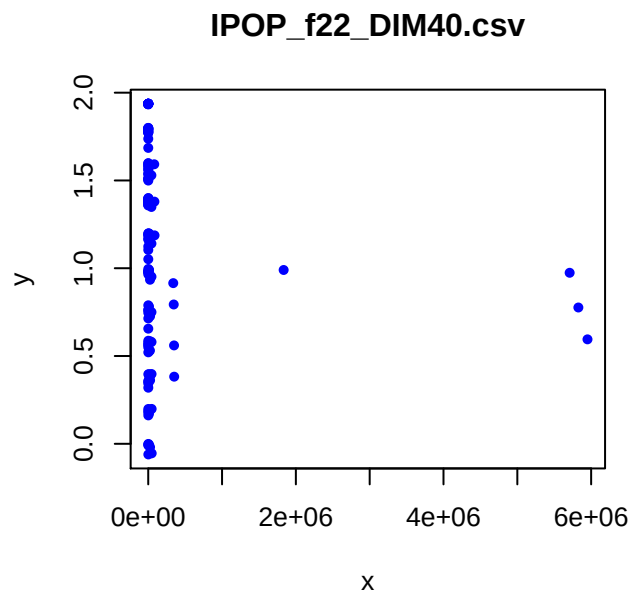
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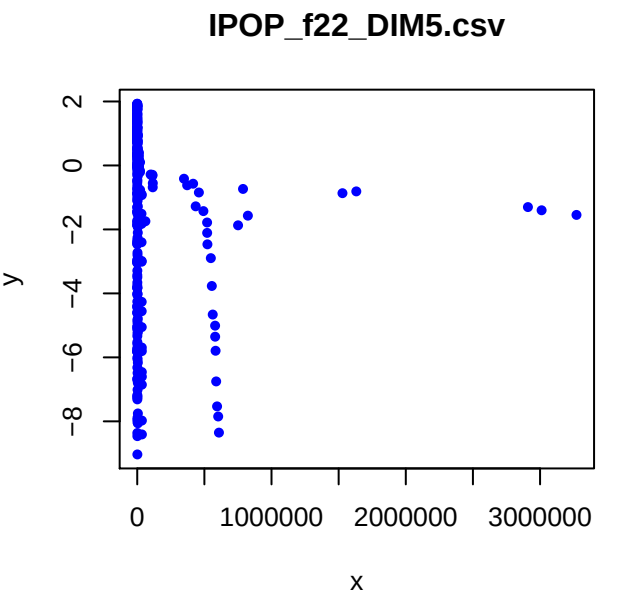
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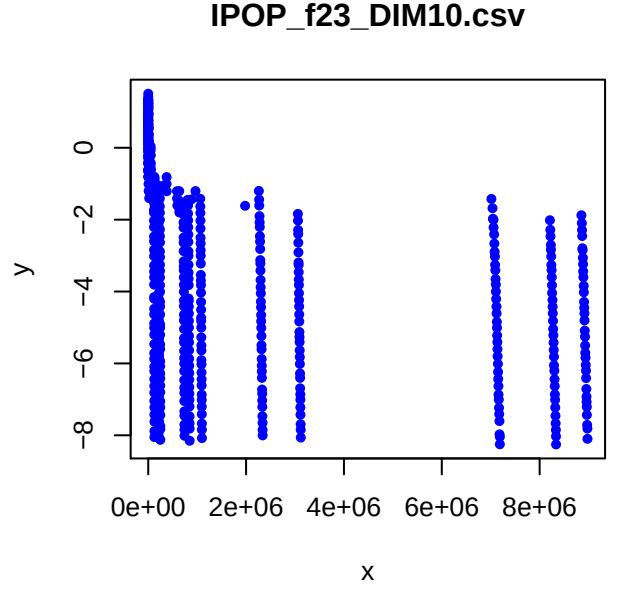
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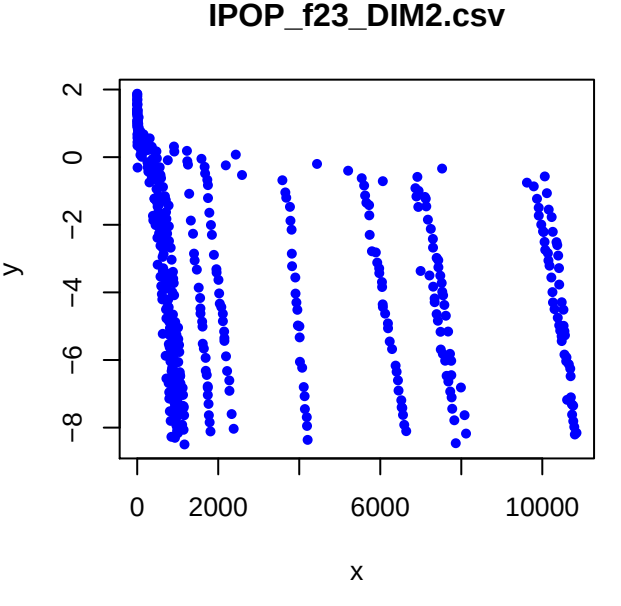
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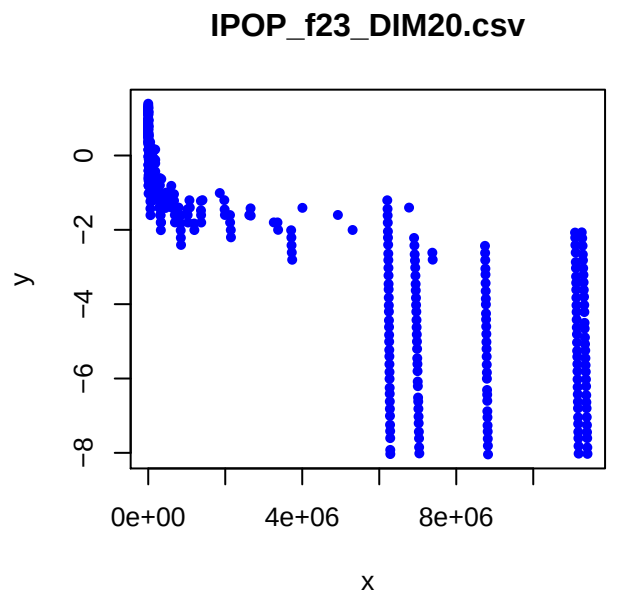
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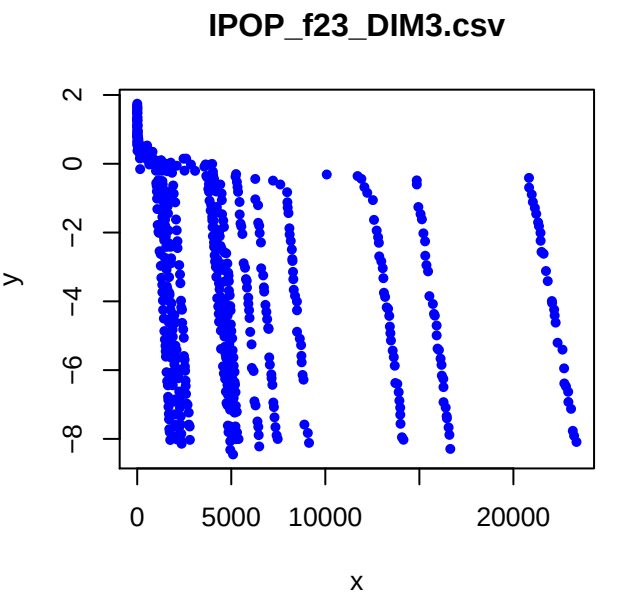
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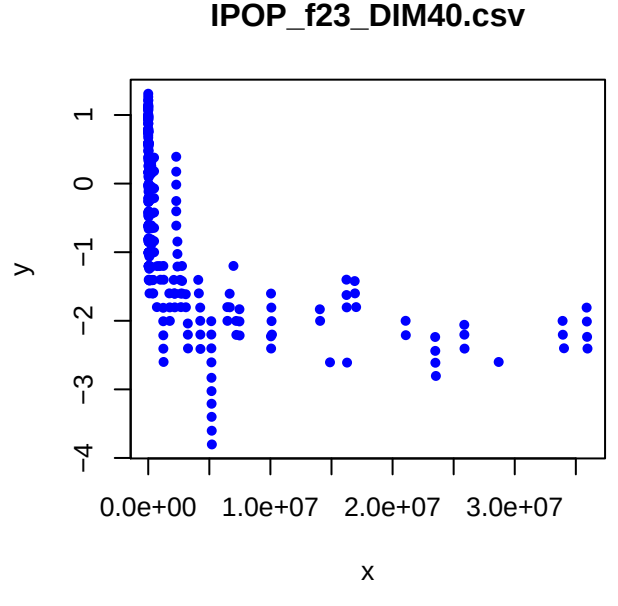
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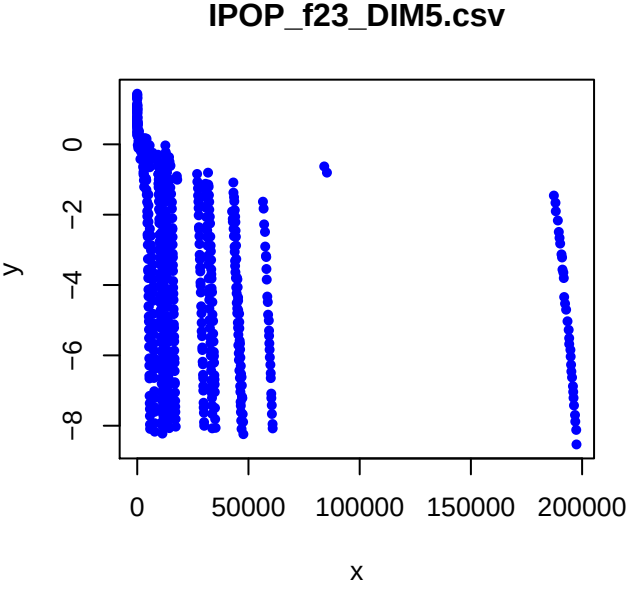
IPOP_f23_DIM5.csv
y
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−8
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200000
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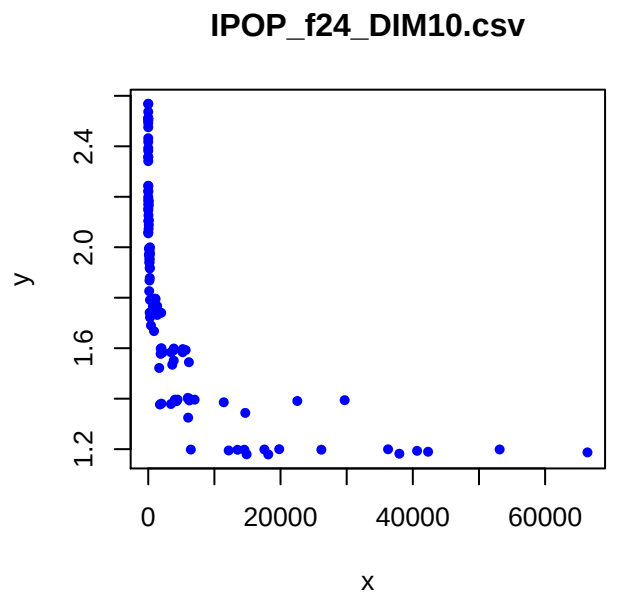
IPOP_f24_DIM10.csv
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1.6
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2.4
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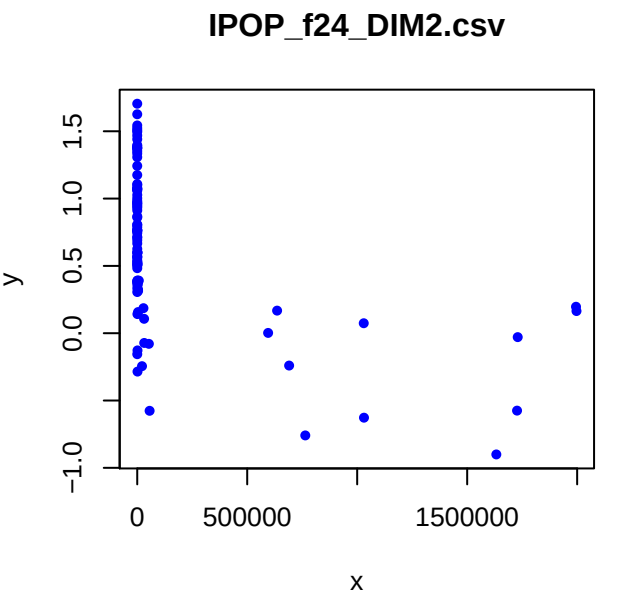
60000
x


IPOP_f24_DIM2.csv
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0.5
1.0
1.5
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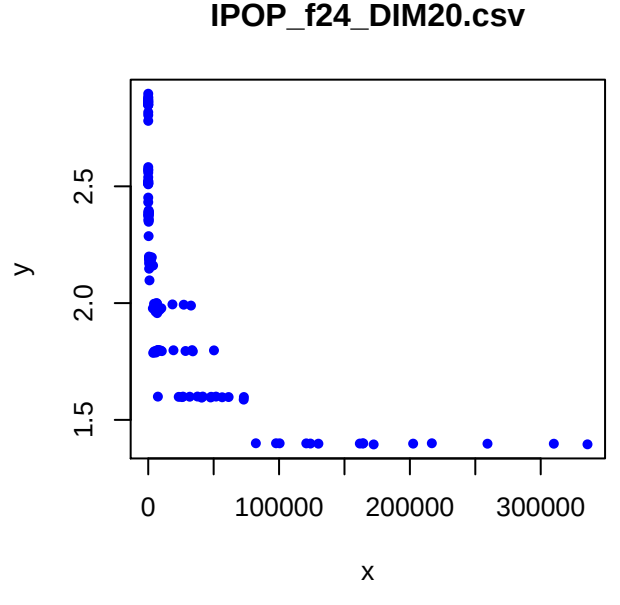
500000
1500000
x


IPOP_f24_DIM20.csv
y
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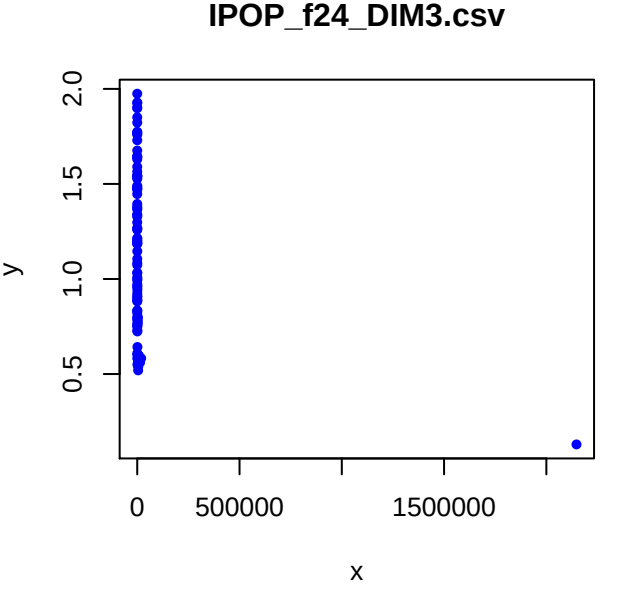
2.0
2.5
0
100000
200000
300000
x


IPOP_f24_DIM3.csv
y
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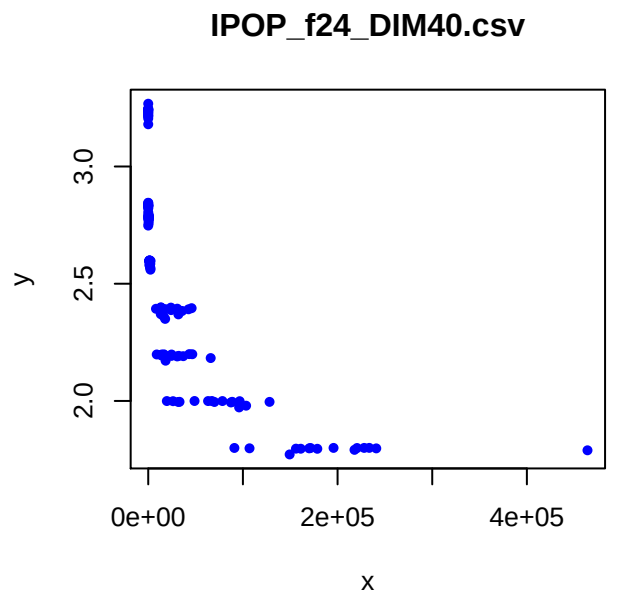
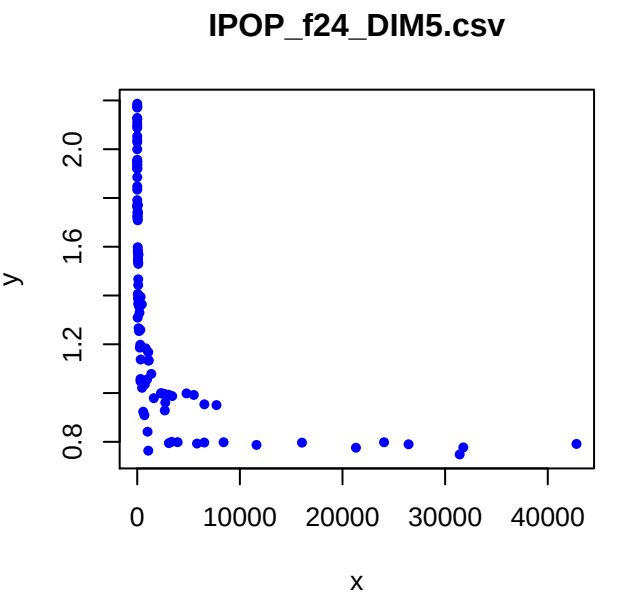
1.0
1.5
2.0
0
500000
1500000
x


IPOP_f24_DIM40.csv
y
3.0
2.5
2.0
0e+00
2e+05
4e+05
x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1.6
1.2
0.8
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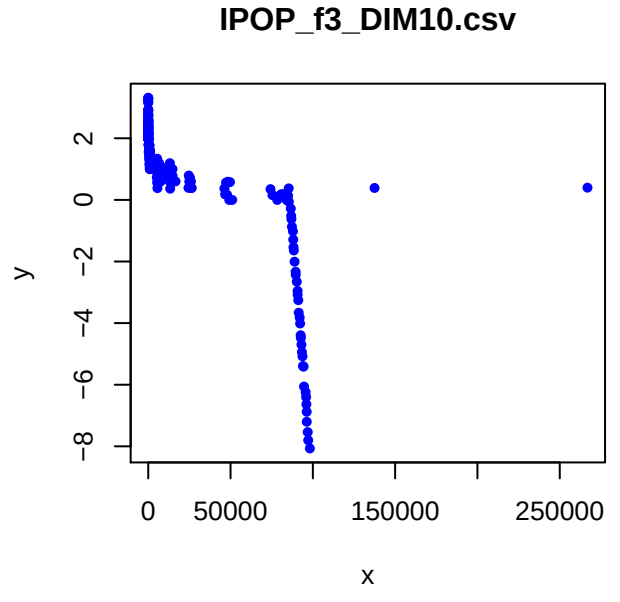
30000
40000
x


IPOP_f3_DIM10.csv
y
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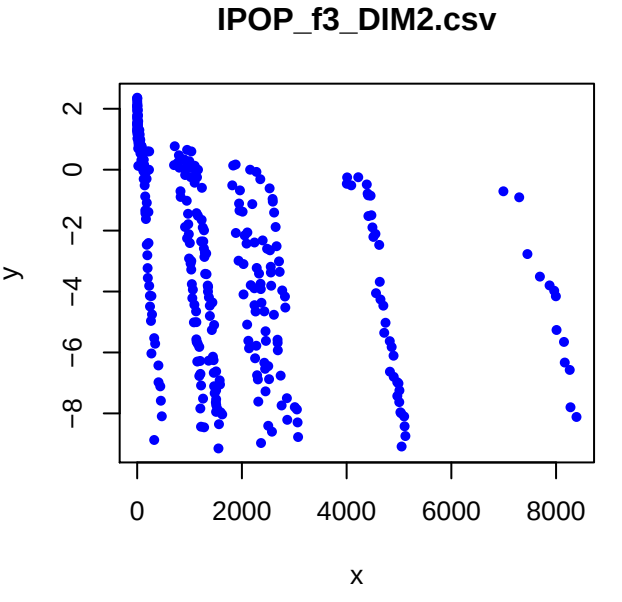
0
−2
−4
−6
−8
0
50000
150000
250000
x


IPOP_f3_DIM2.csv
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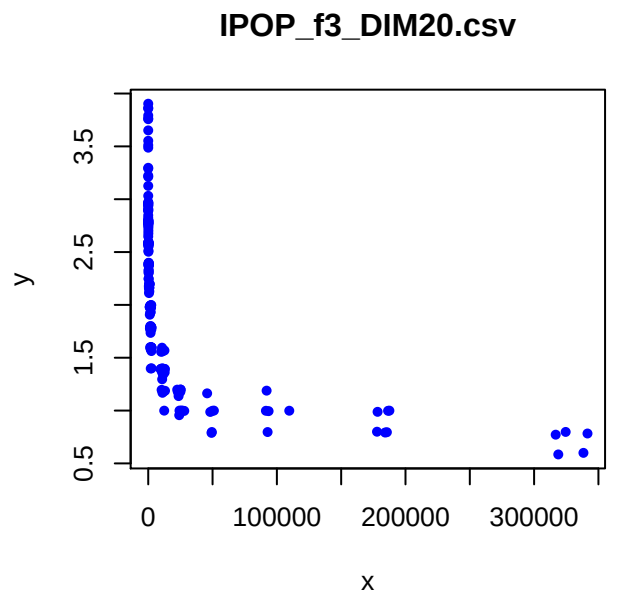
6000
8000
x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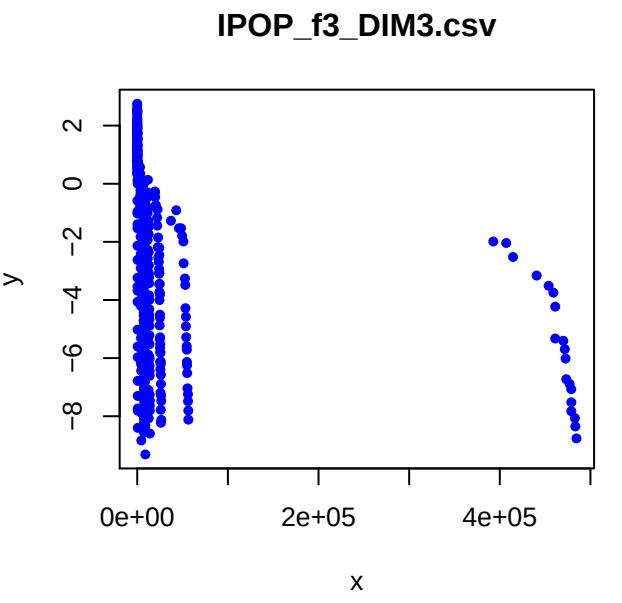
x


IPOP_f3_DIM3.csv
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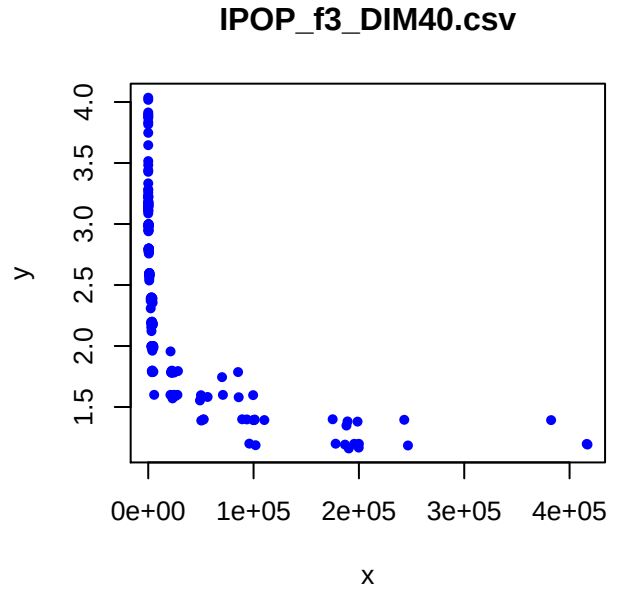
−6
−8
0e+00
2e+05
4e+05
x


IPOP_f3_DIM40.csv
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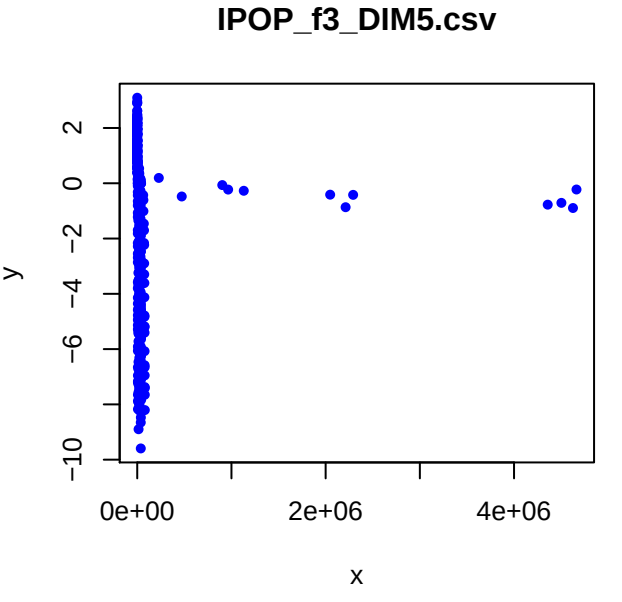
2.5
3.0
3.5
4.0
0e+00
1e+05
2e+05
3e+05
4e+05
x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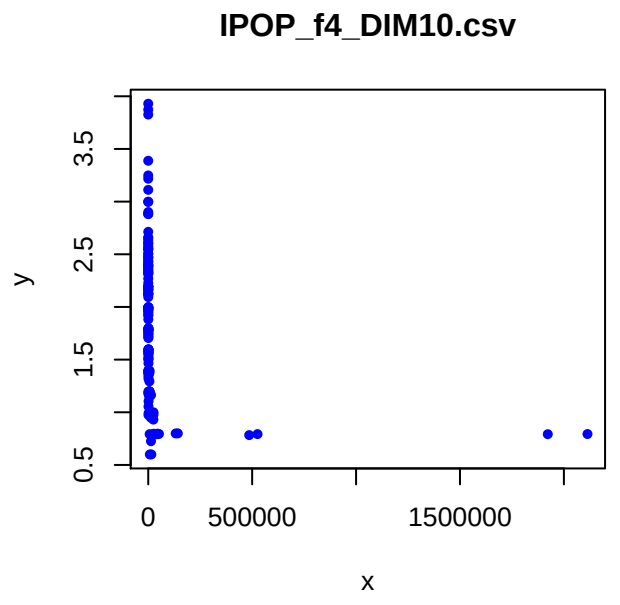
4e+06
x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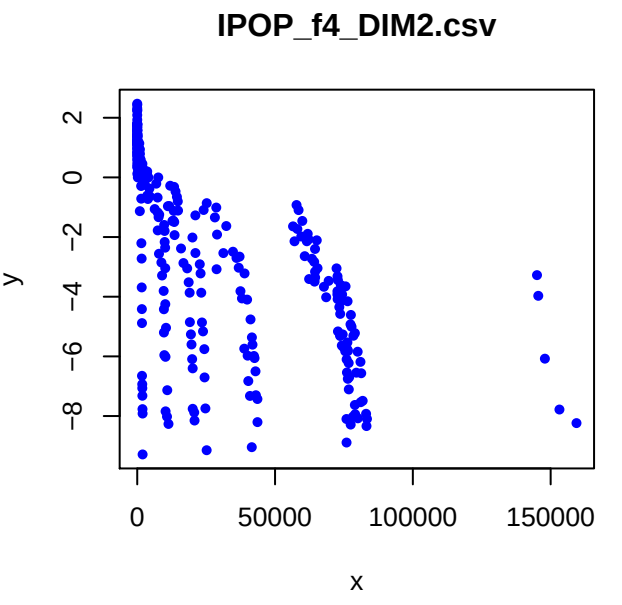
1.5
2.5
3.5
0
500000
1500000
x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y
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−6
−8
0
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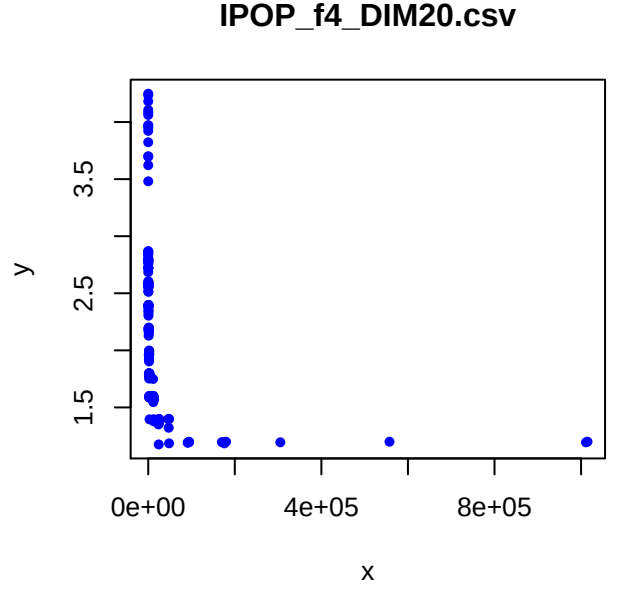
100000
150000
x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y
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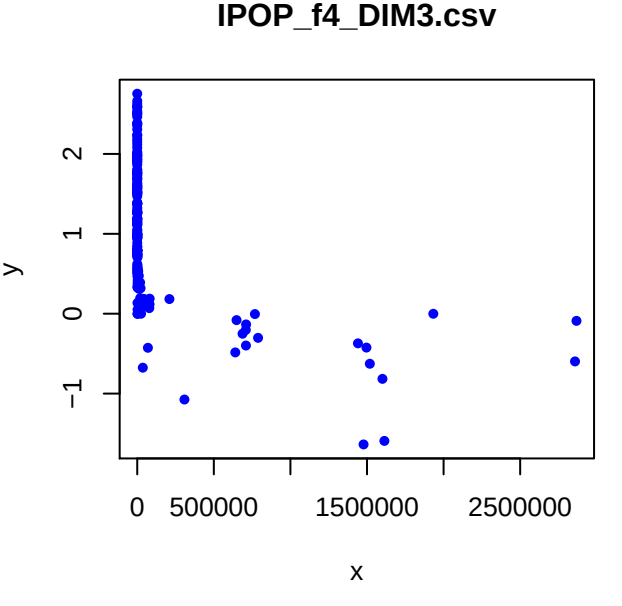
2.5
3.5
0e+00
4e+05
8e+05
x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1
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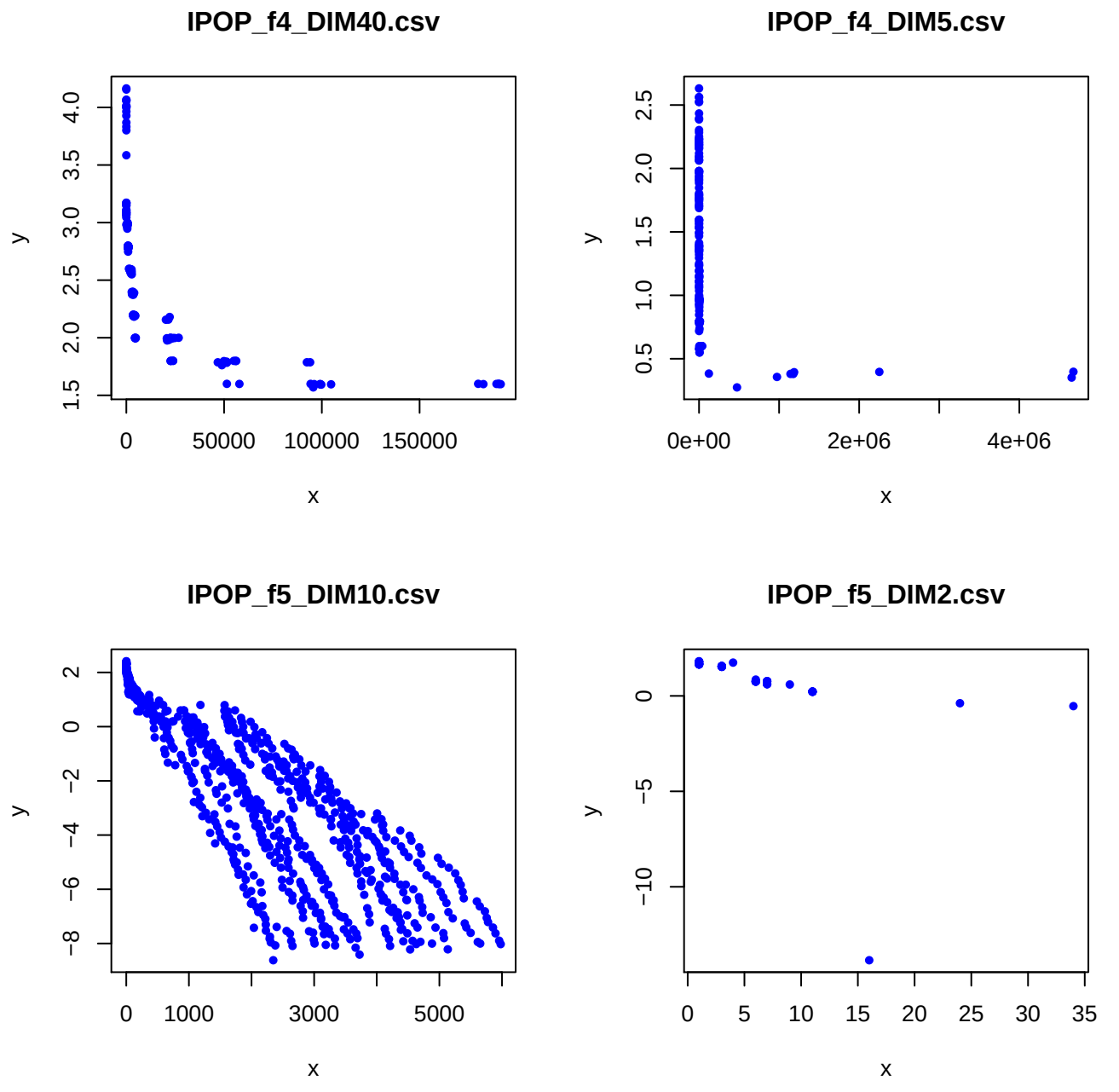
2500000
x


IPOP_f4_DIM40.csv
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x
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3.5
3.0
2.5
2.0
1.5
0
50000
100000
150000
IPOP_f4_DIM5.csv
y
x
2.5
2.0
1.5
1.0
0.5
0e+00
2e+06
4e+06
IPOP_f5_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
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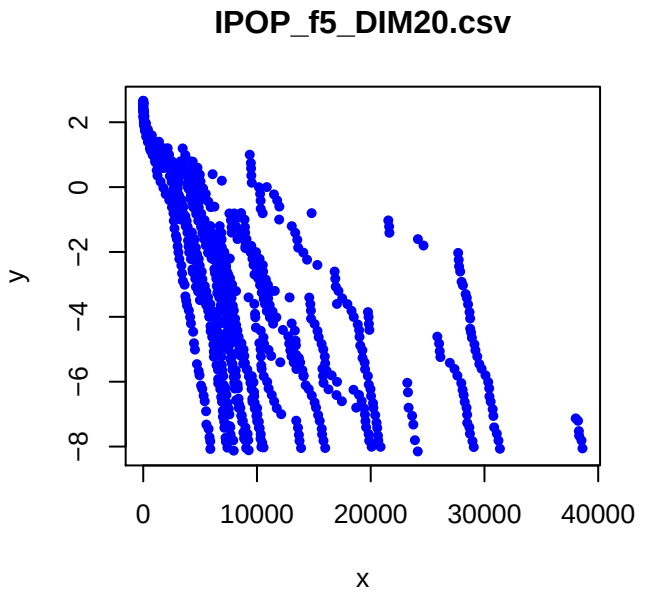
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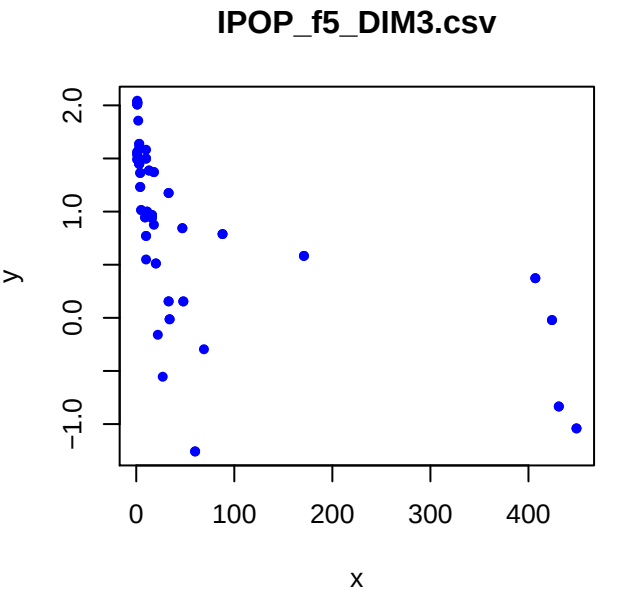
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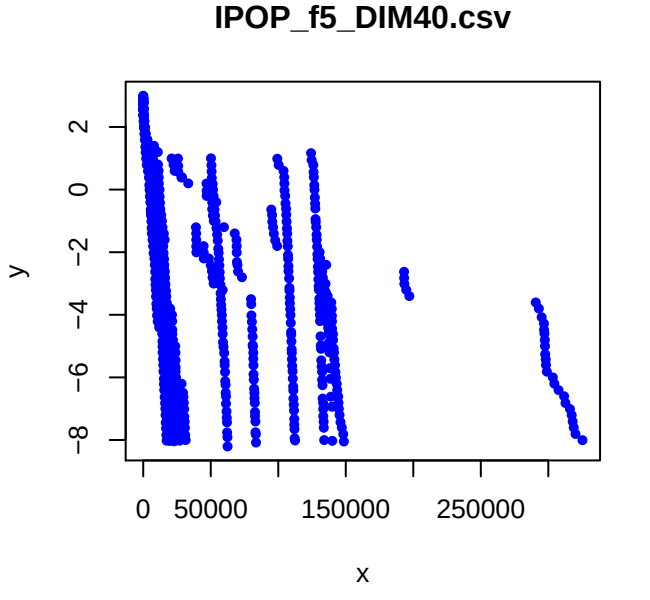
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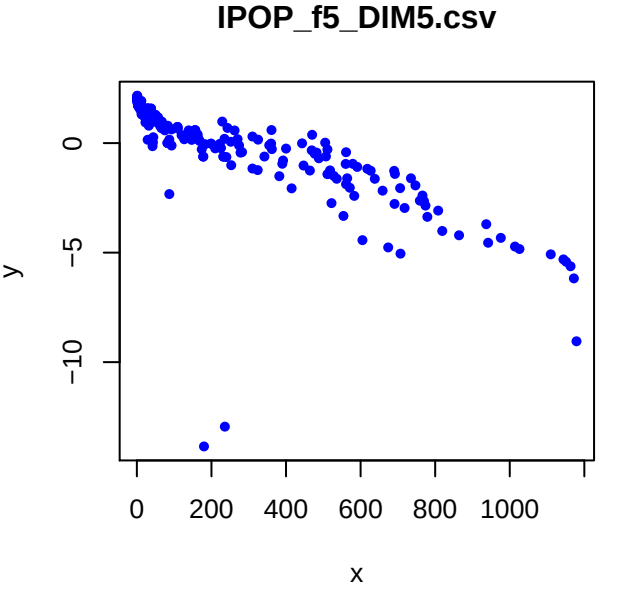
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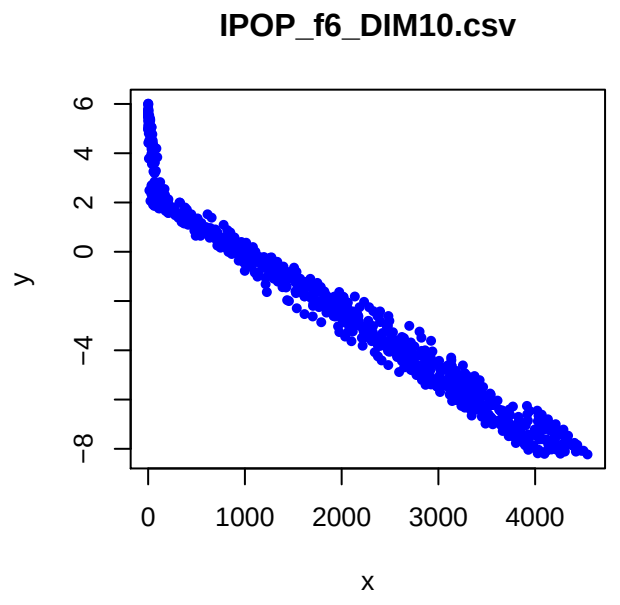
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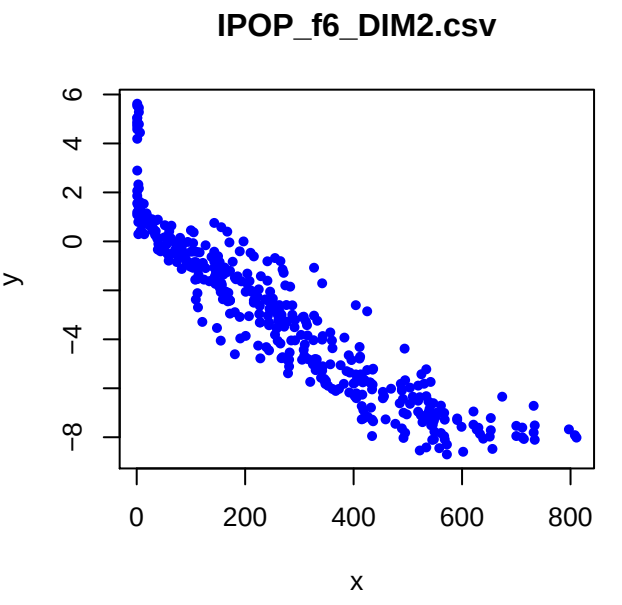
4000
x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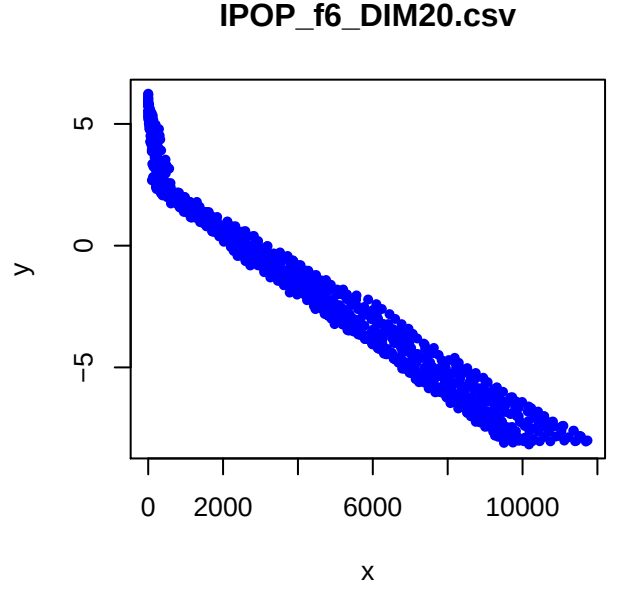
600
800
x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10000
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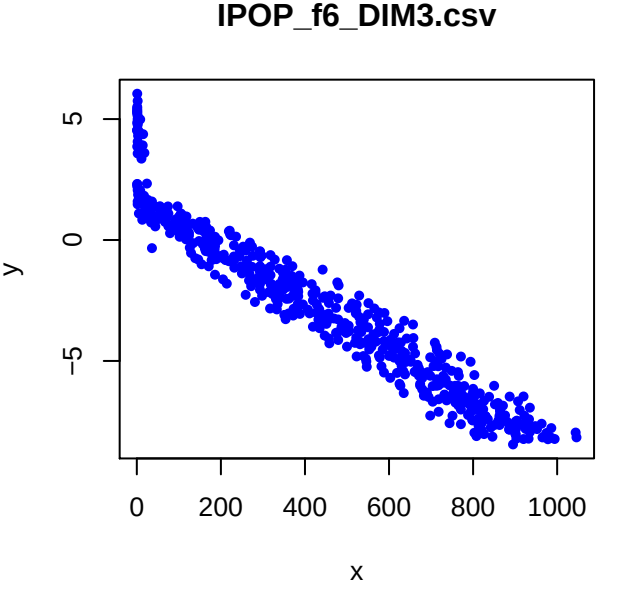
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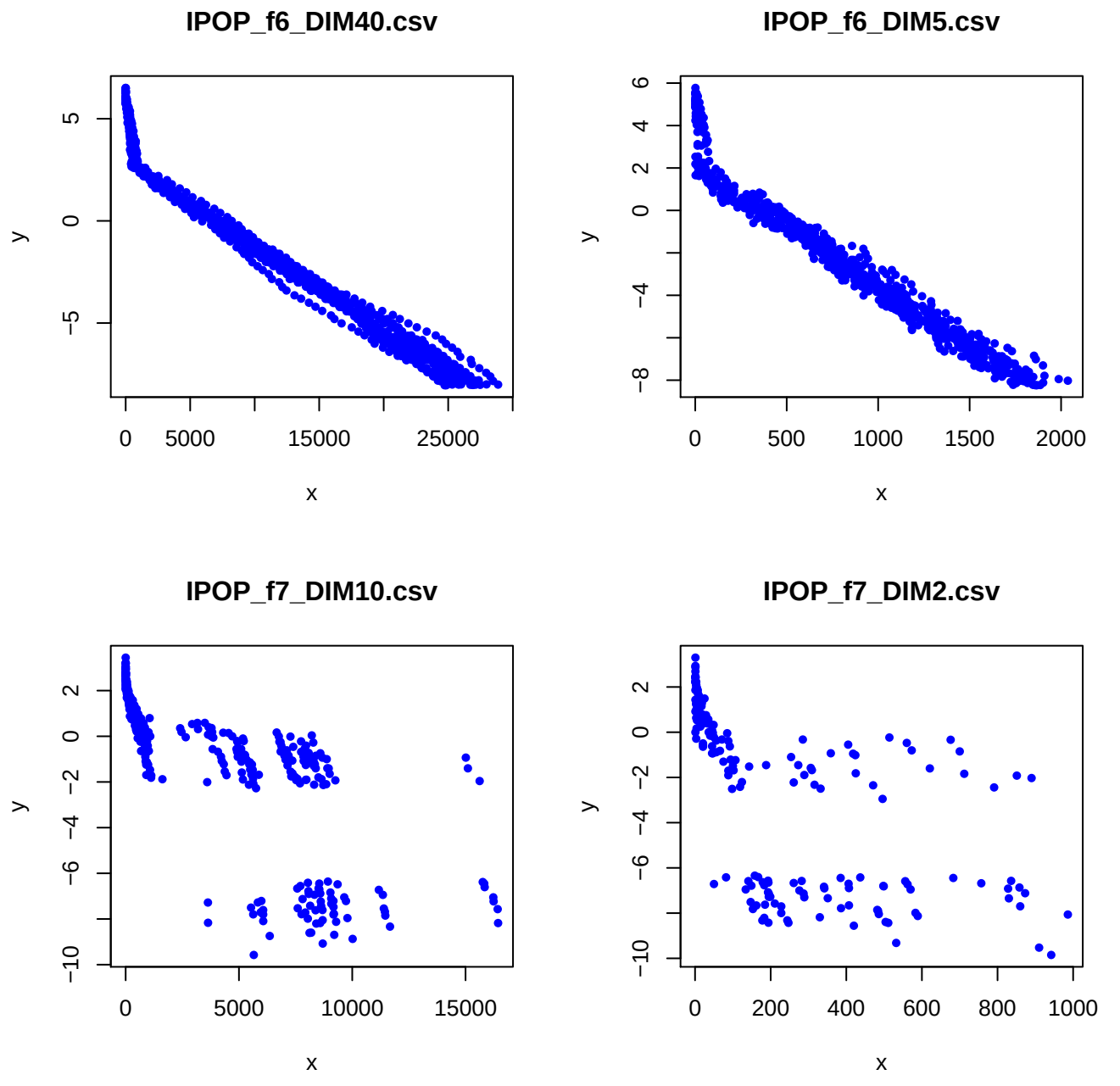
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25000
IPOP_f6_DIM5.csv
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x
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IPOP_f7_DIM10.csv
y
x
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−4
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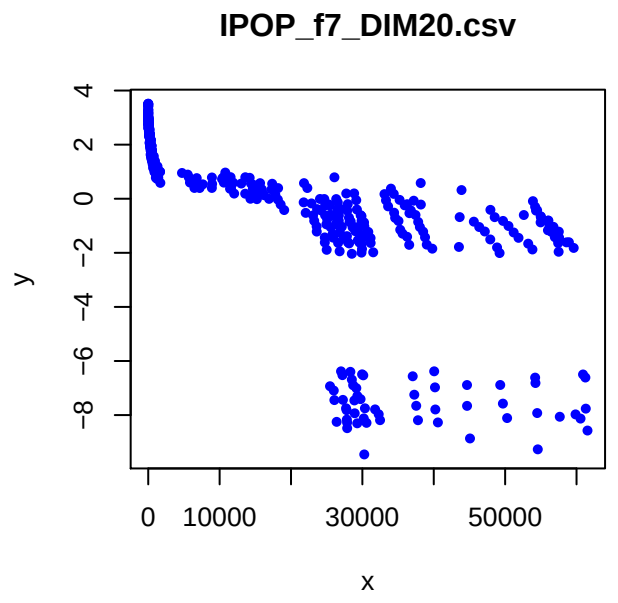
IPOP_f7_DIM20.csv
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−4
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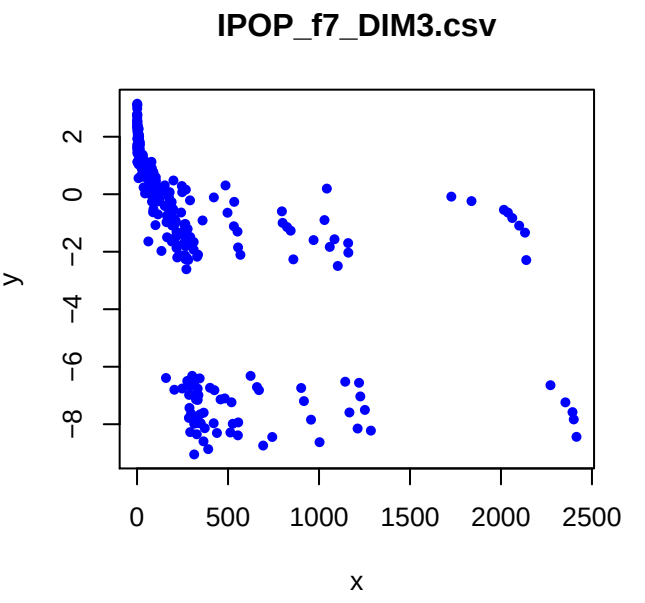
IPOP_f7_DIM3.csv
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1000
1500
2000
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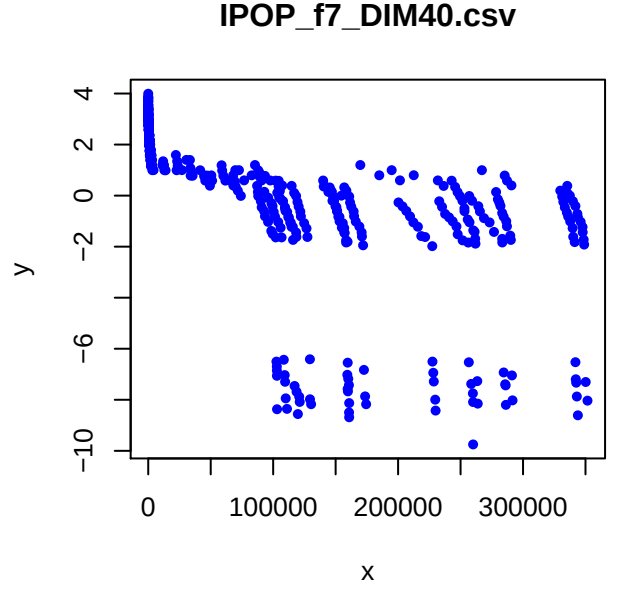
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x
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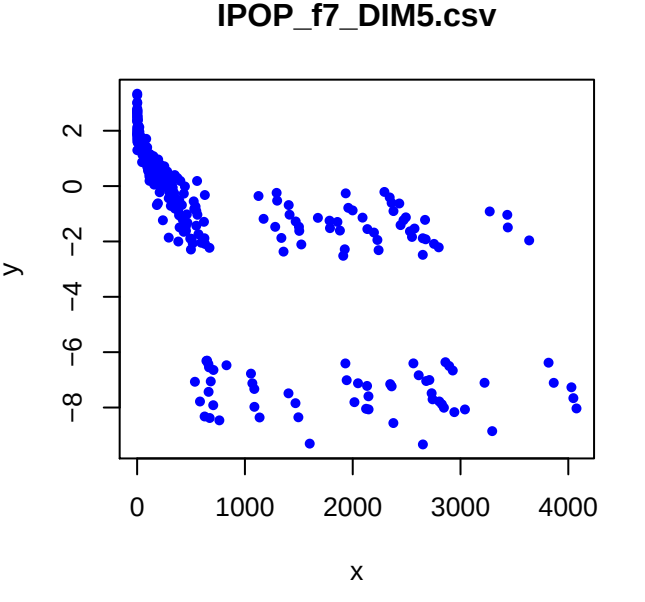
300000


IPOP_f7_DIM5.csv
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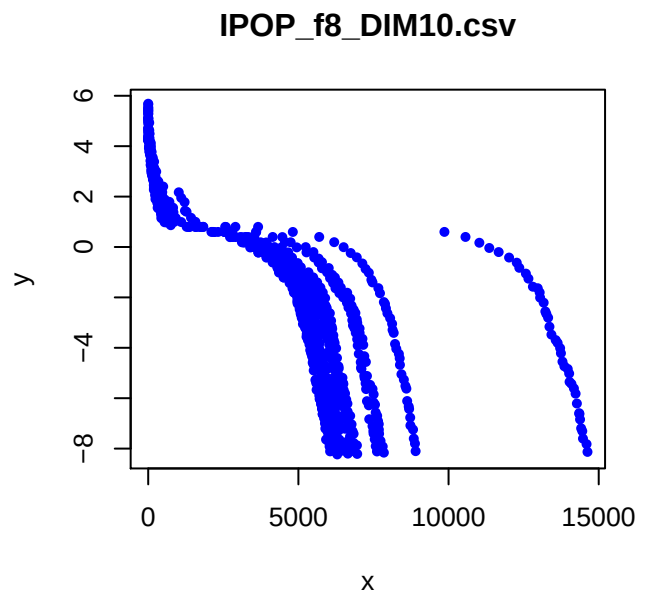
IPOP_f8_DIM10.csv
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x
6
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10000
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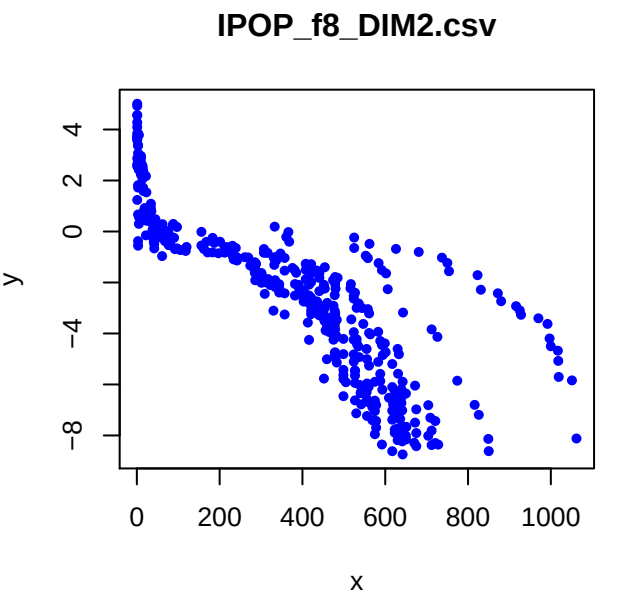
IPOP_f8_DIM2.csv
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x
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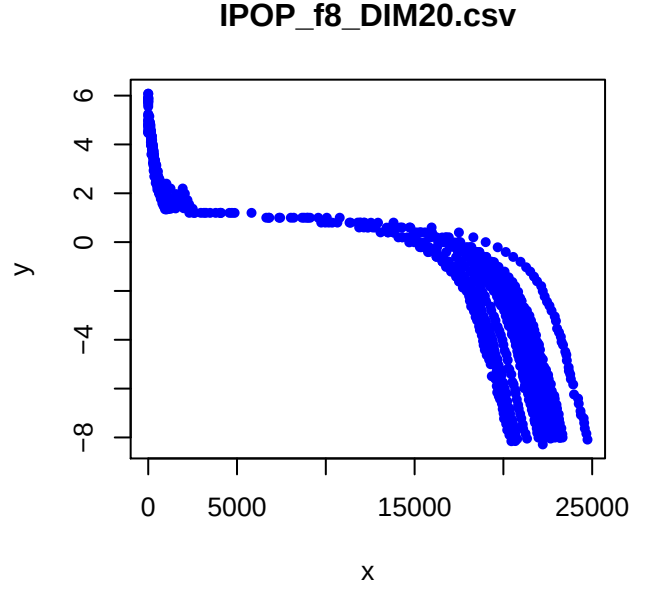
IPOP_f8_DIM20.csv
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x
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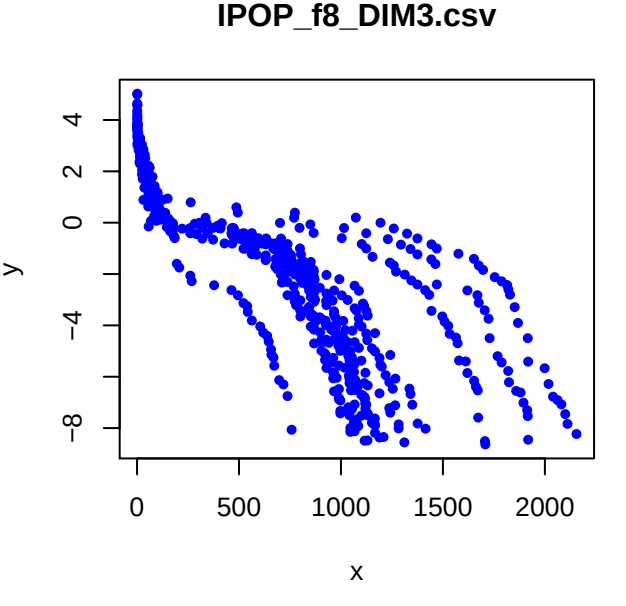
IPOP_f8_DIM3.csv
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1500
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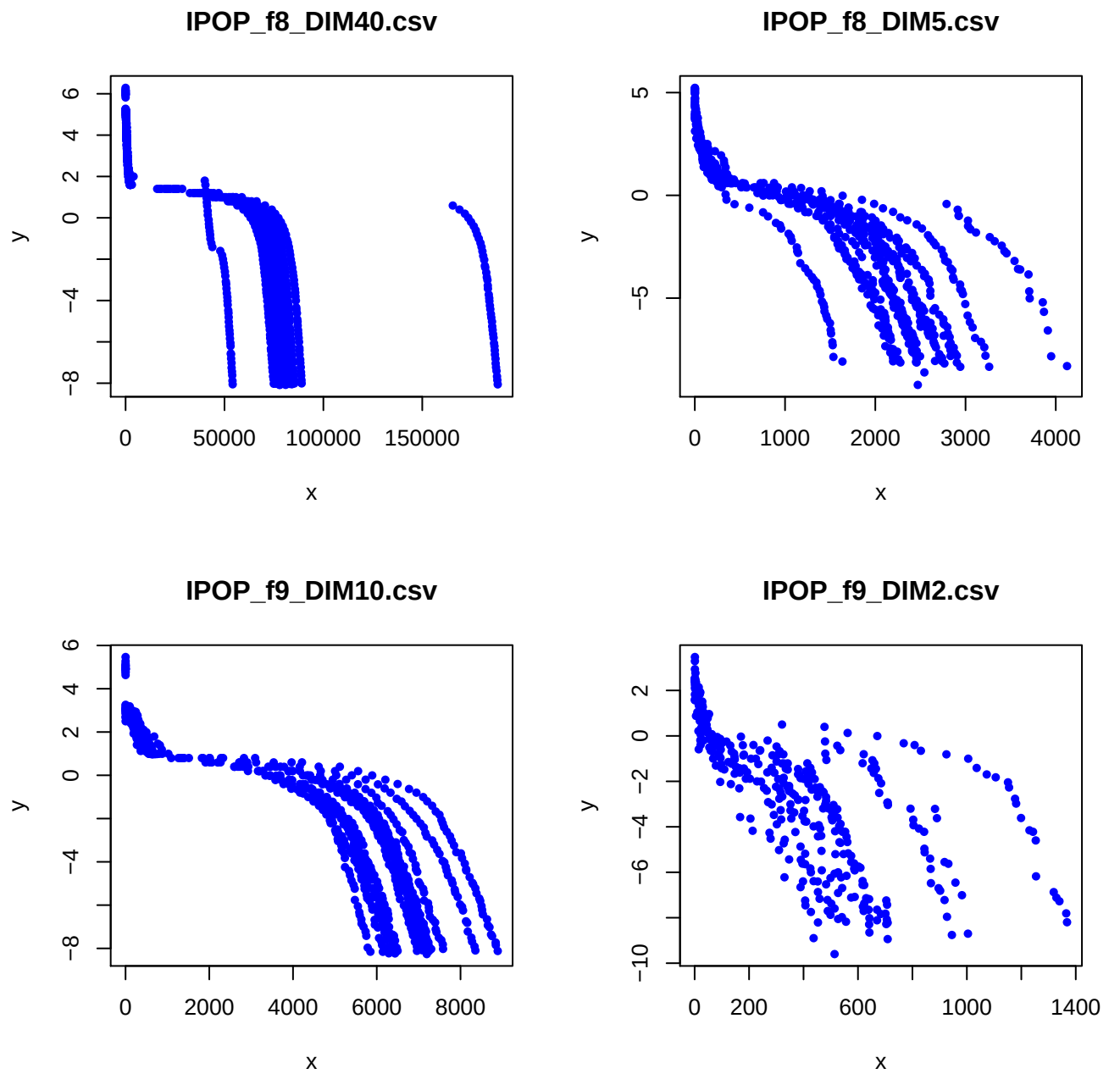
IPOP_f8_DIM40.csv
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100000
150000
IPOP_f8_DIM5.csv
y
x
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1000
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3000
4000
IPOP_f9_DIM10.csv
y
x
6
4
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−4
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2000
4000
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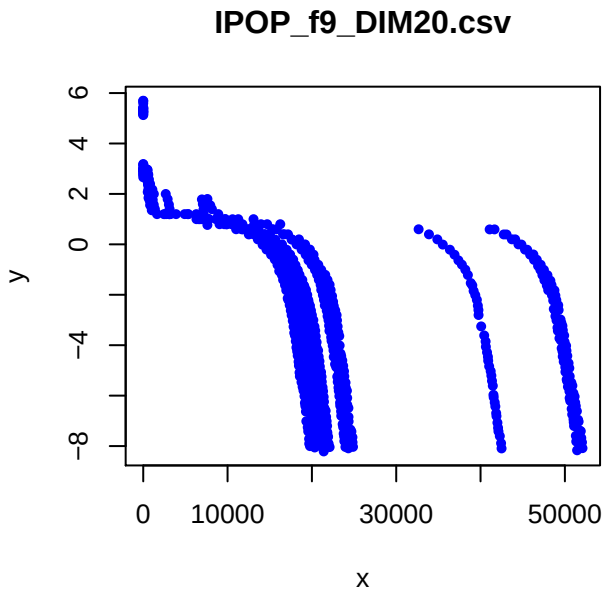
1400


IPOP_f9_DIM20.csv
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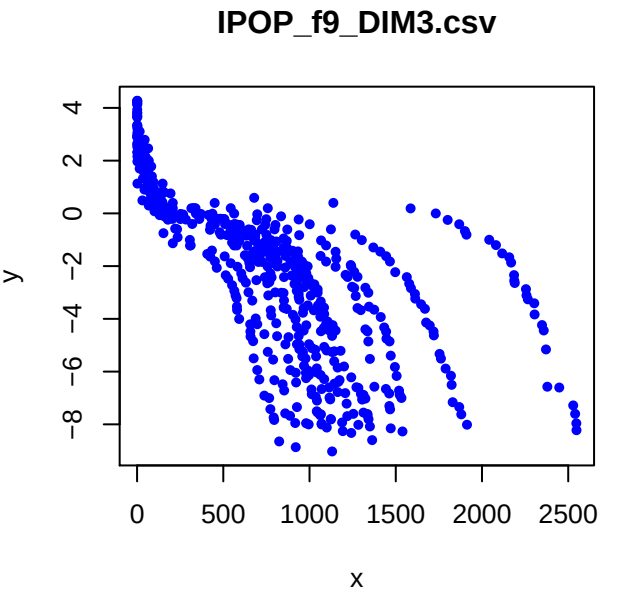
50000
x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1500
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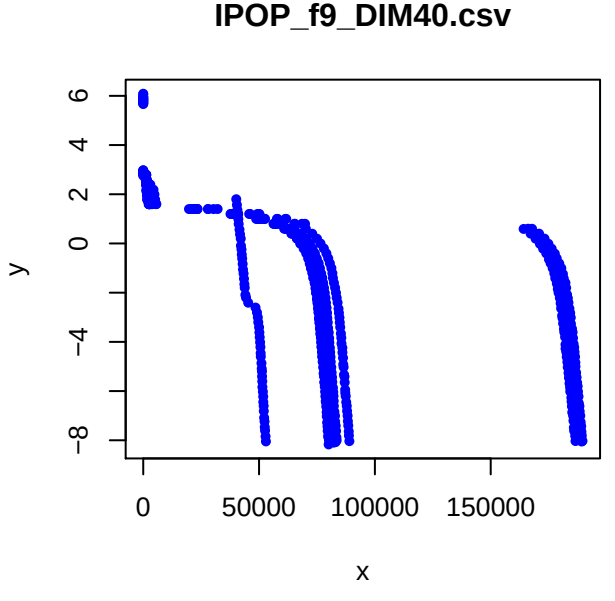
2500
x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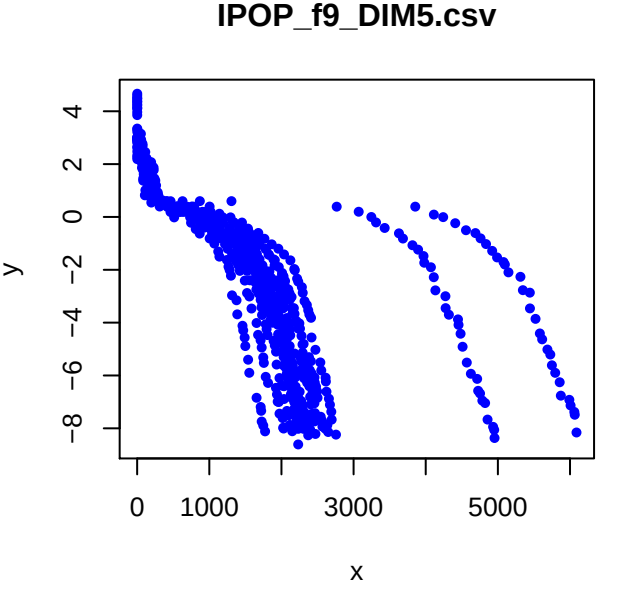
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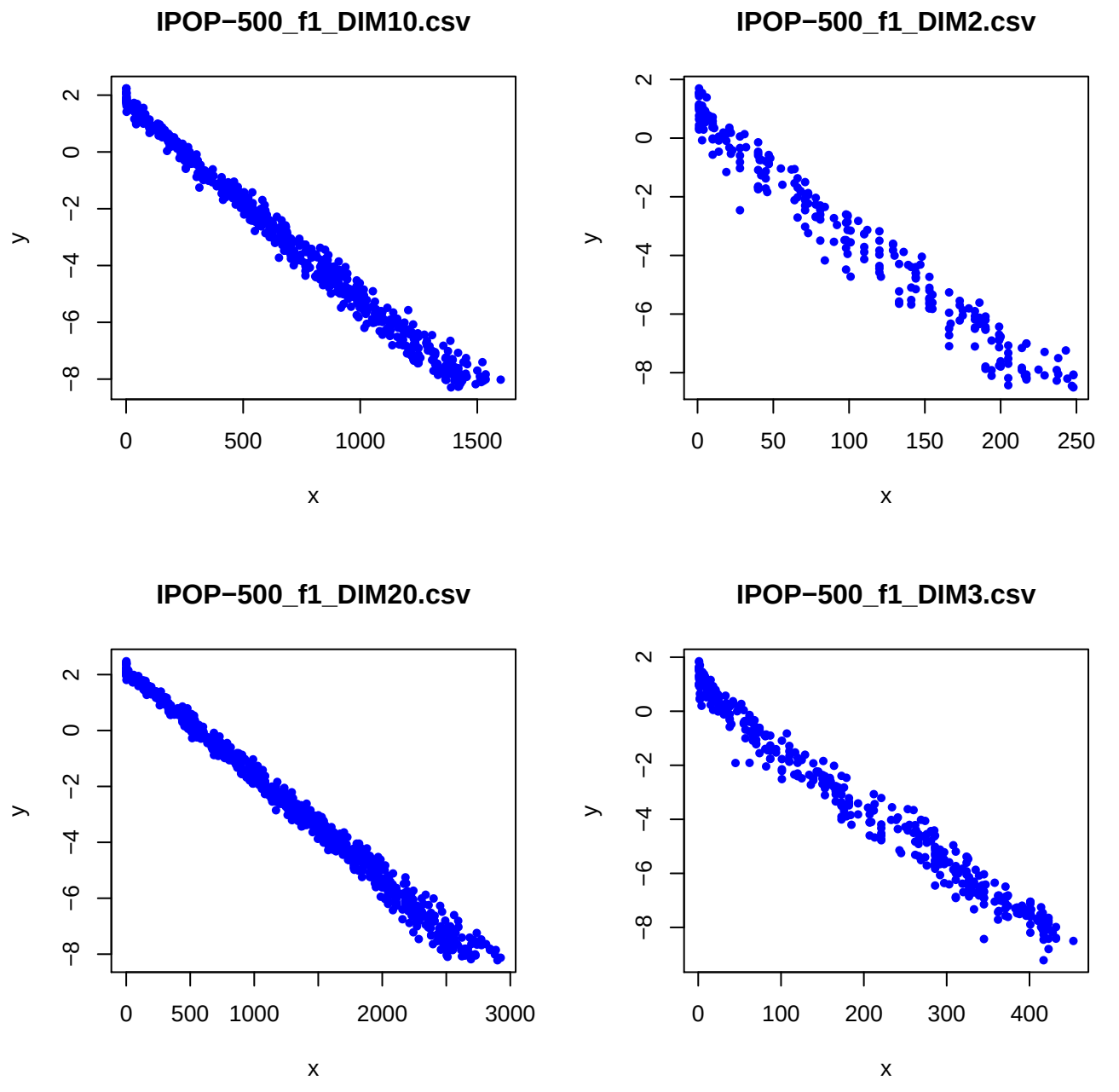
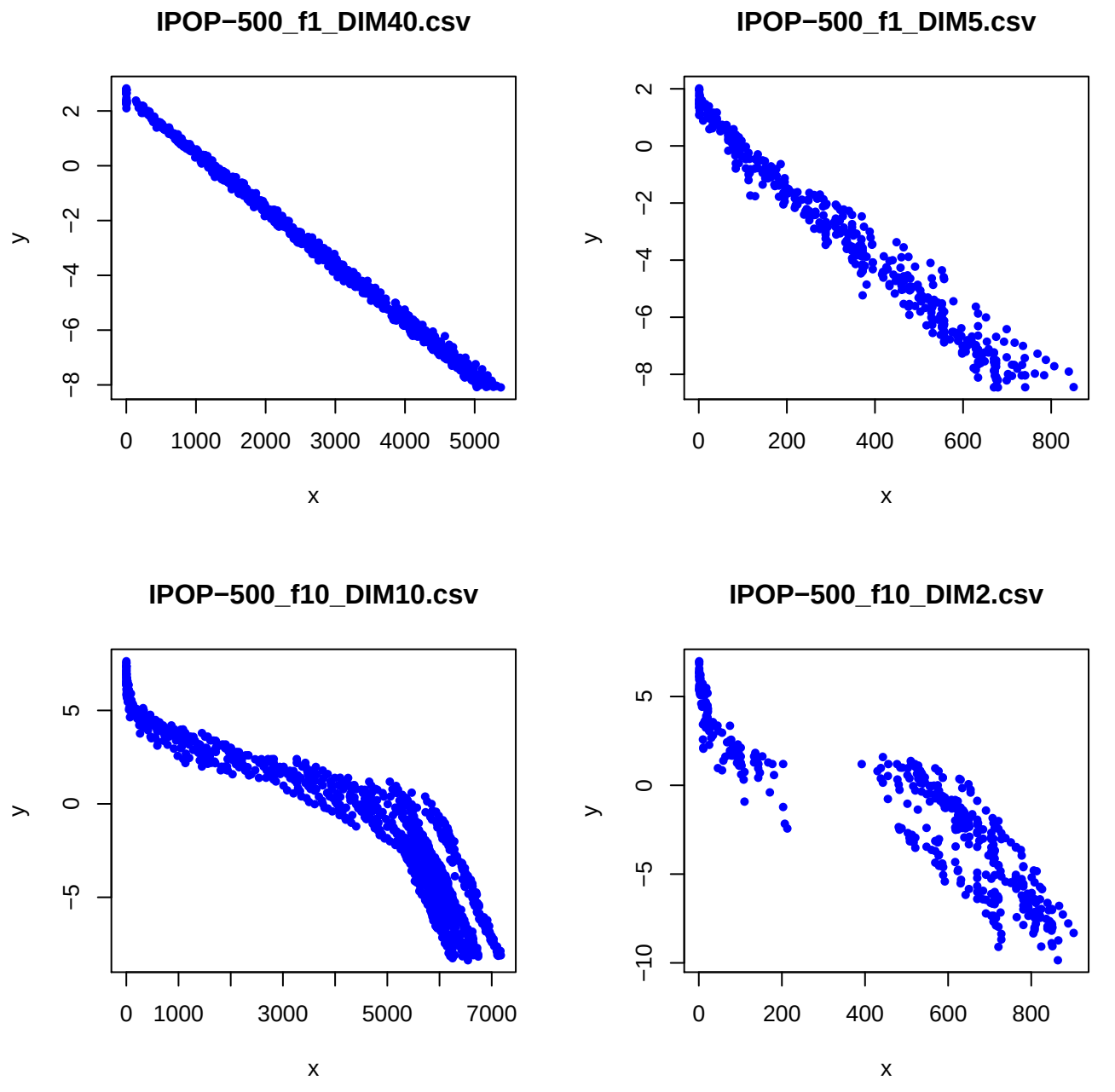

IPOP−500_f1_DIM10.csv
IPOP−500_f1_DIM2.csv
IPOP−500_f1_DIM20.csv
IPOP−500_f1_DIM3.csv
x
y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IPOP−500_f1_DIM5.csv
y
x
2
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−2
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−8
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200
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600
800
IPOP−500_f10_DIM10.csv
y
x
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−5
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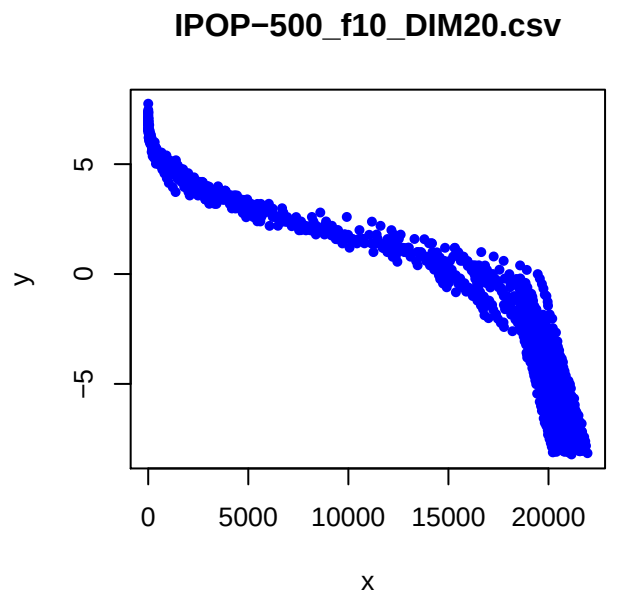
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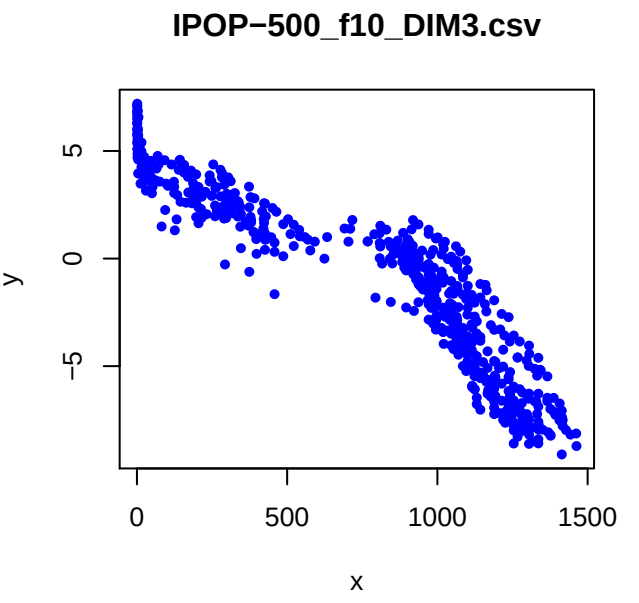
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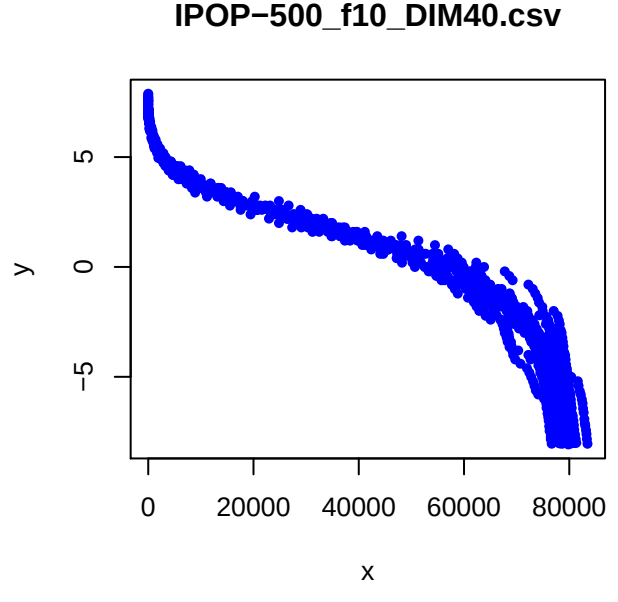
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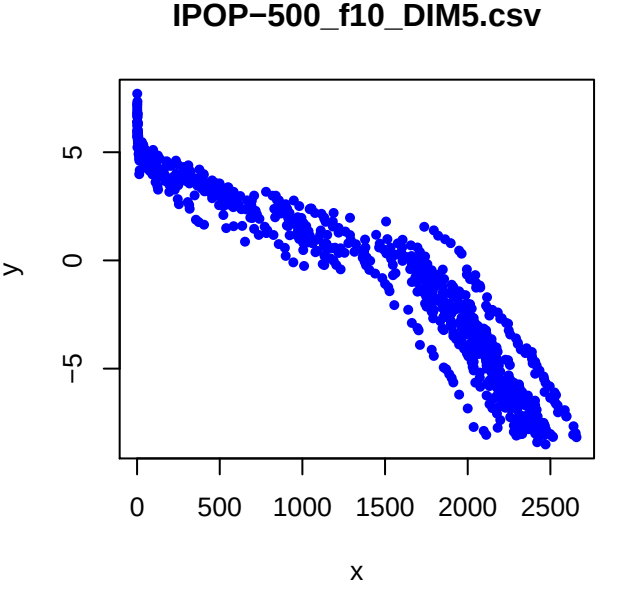
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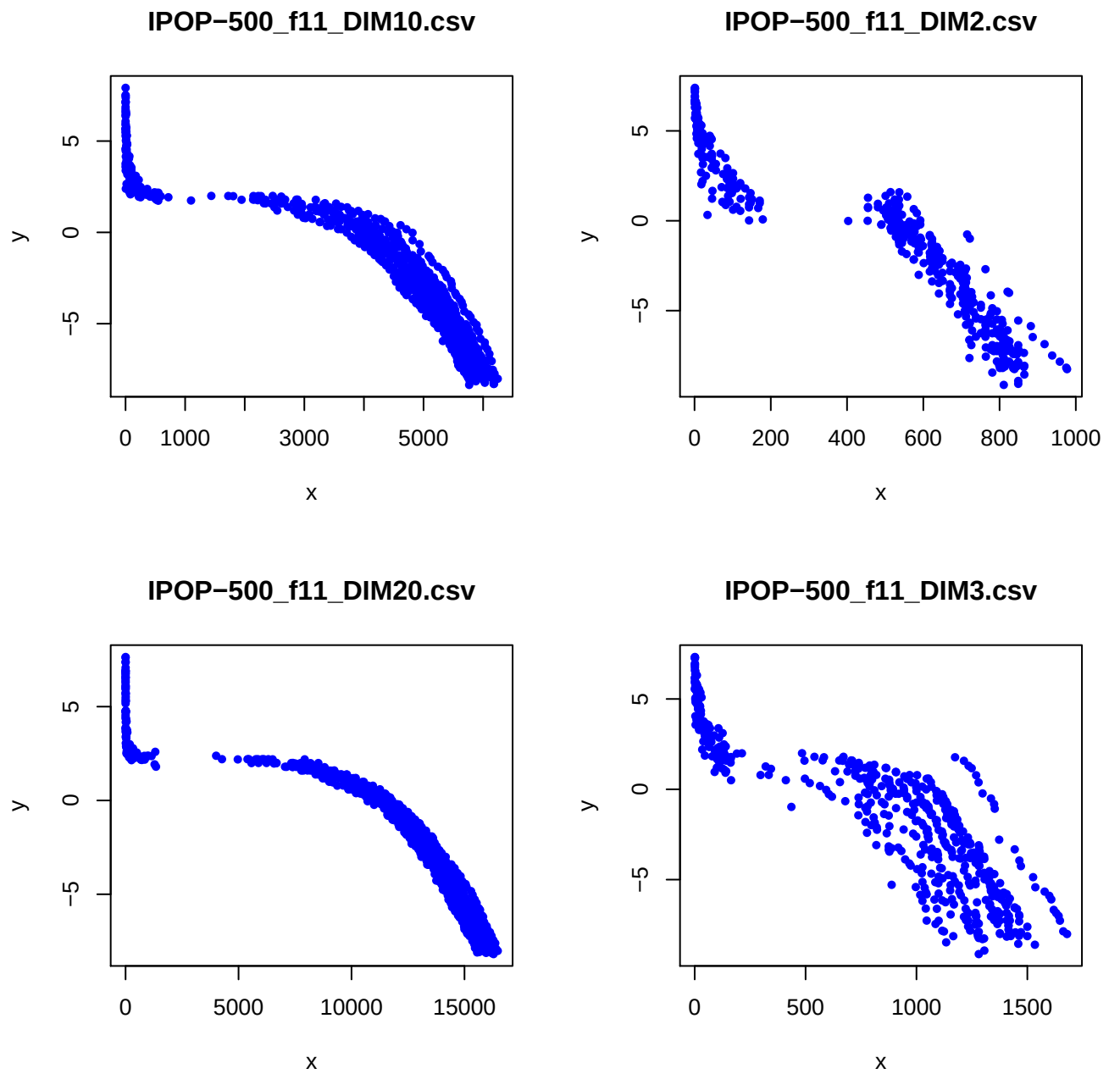
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IPOP−500_f11_DIM20.csv
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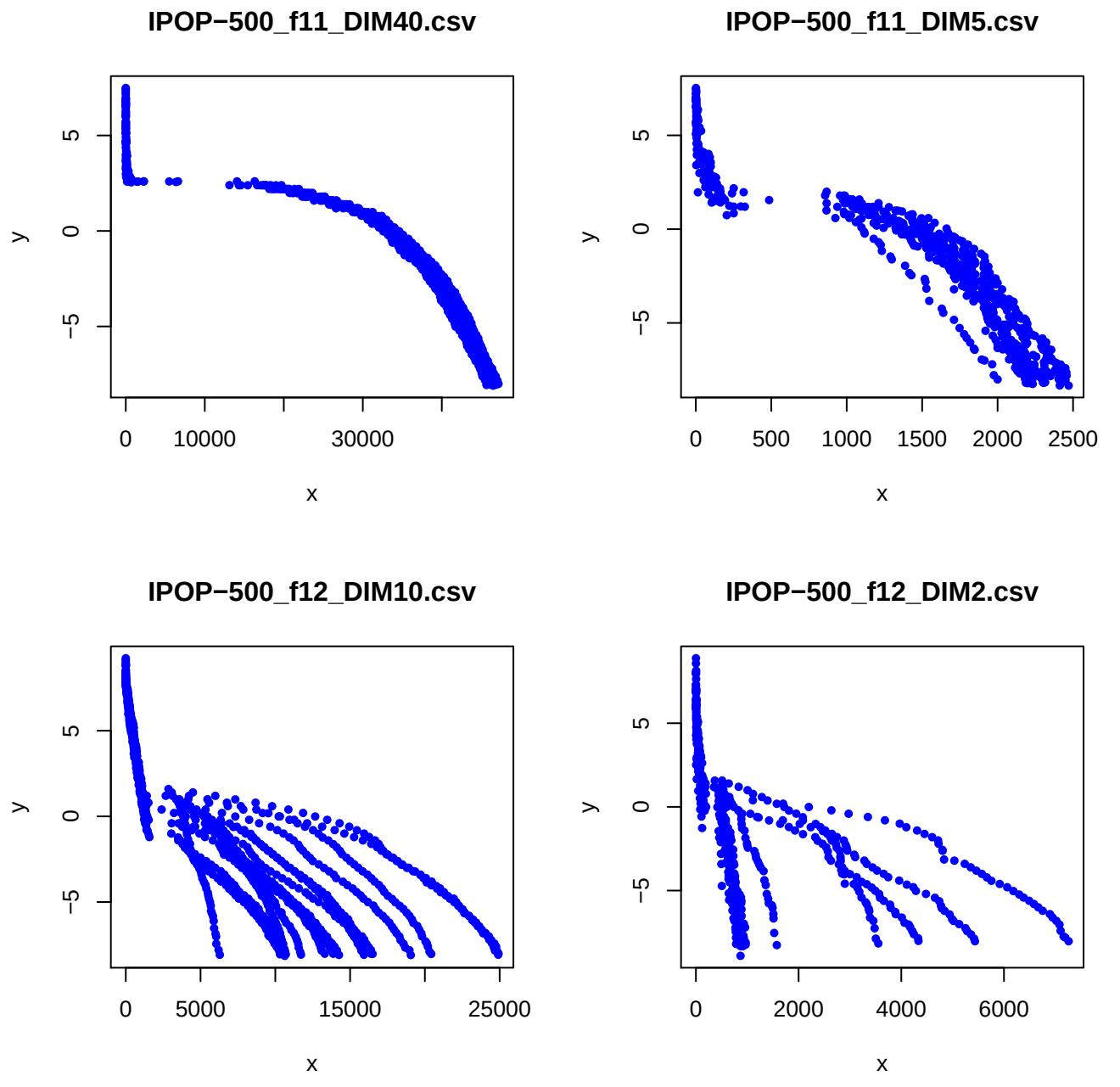
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IPOP−500_f12_DIM10.csv
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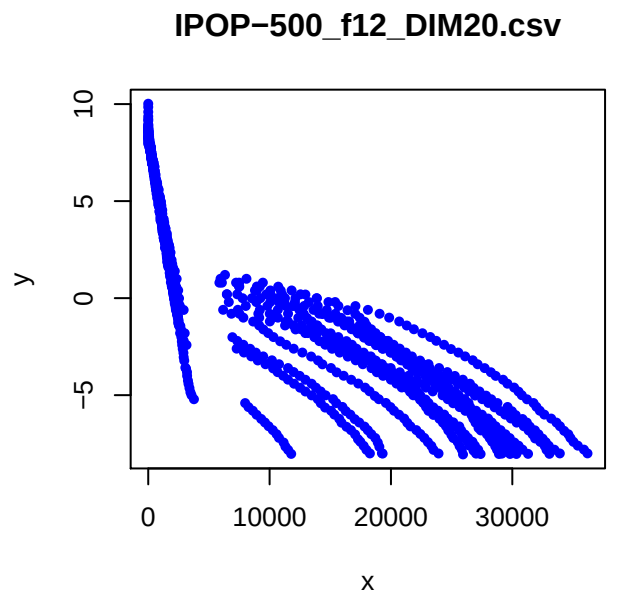
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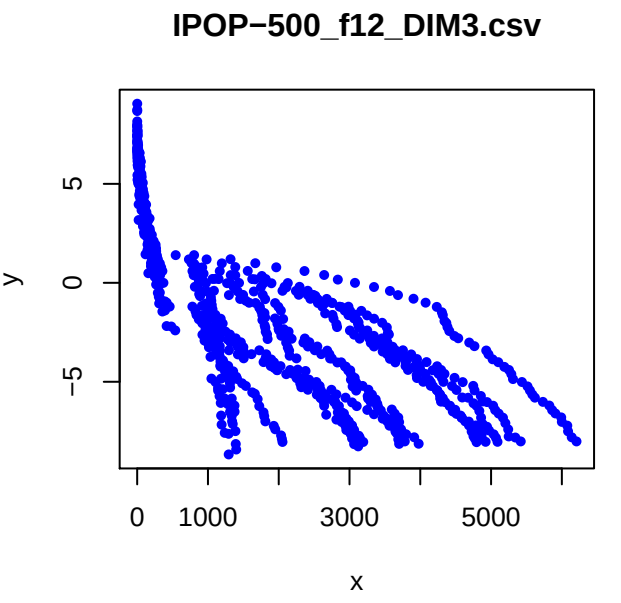
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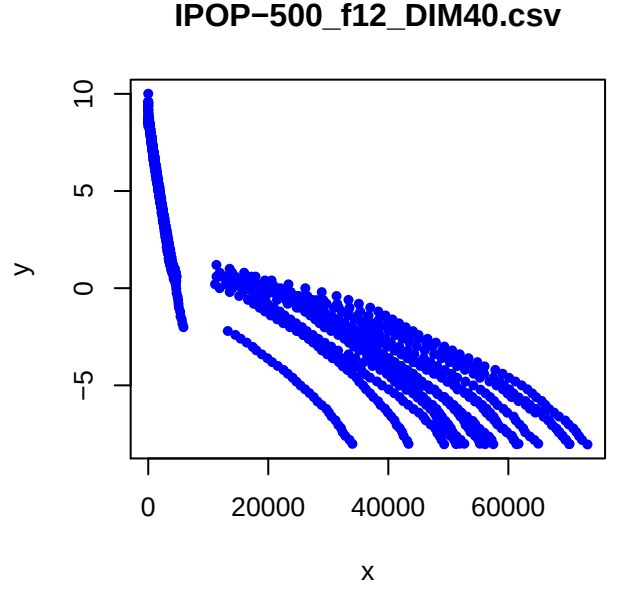
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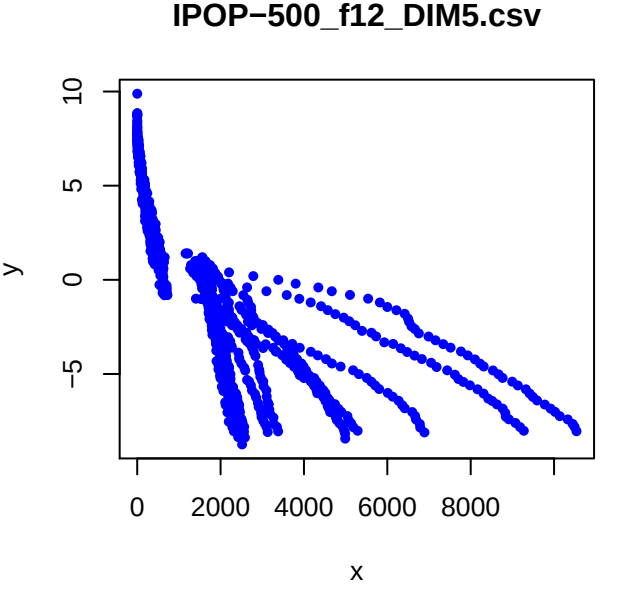
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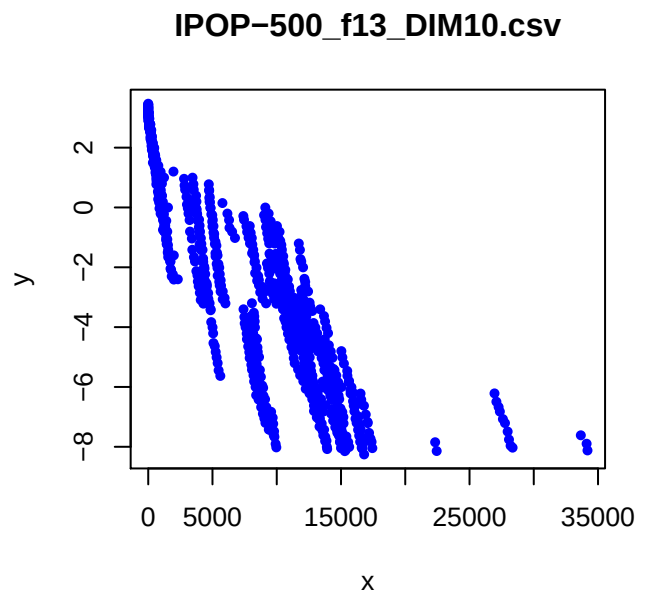
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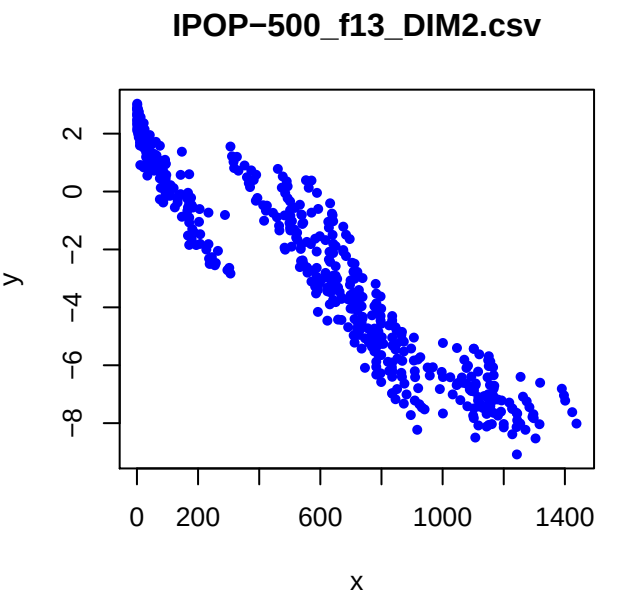
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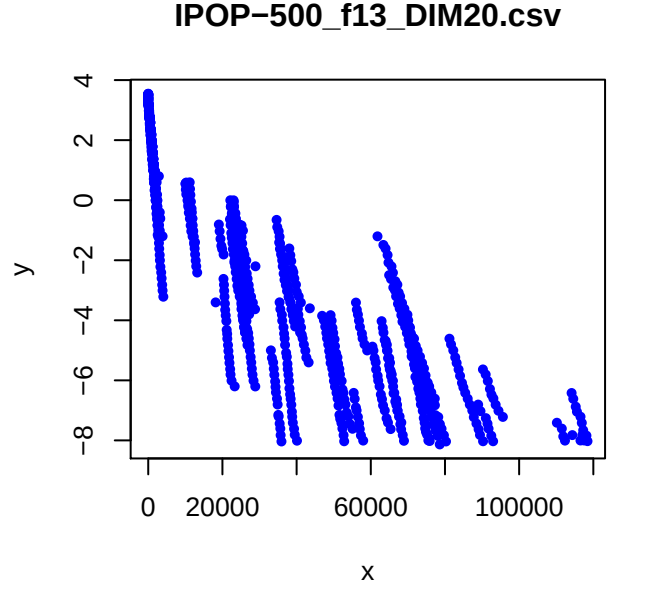
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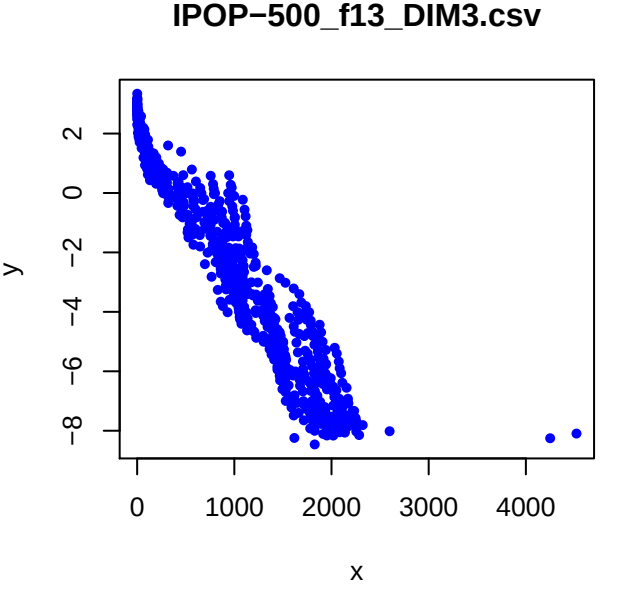
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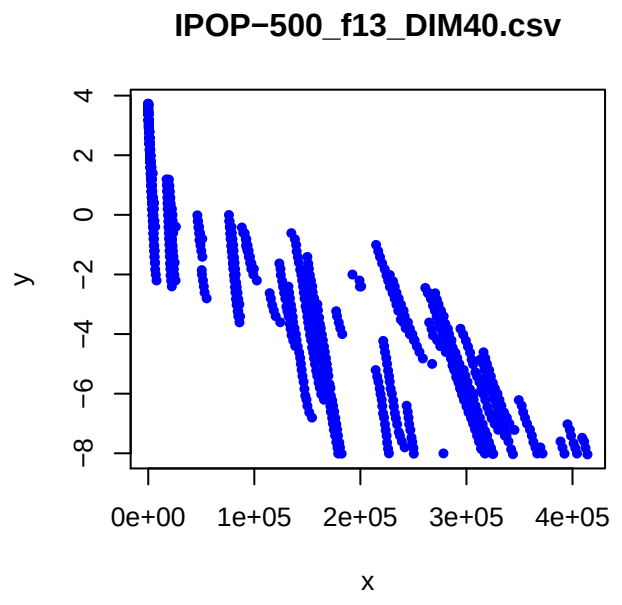
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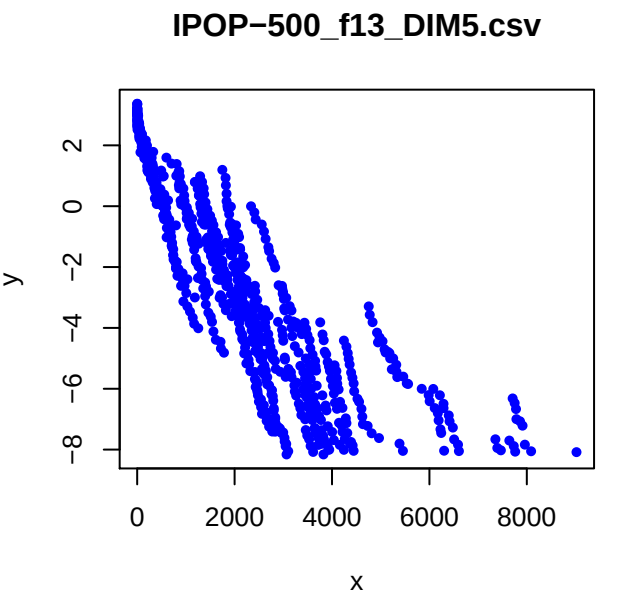
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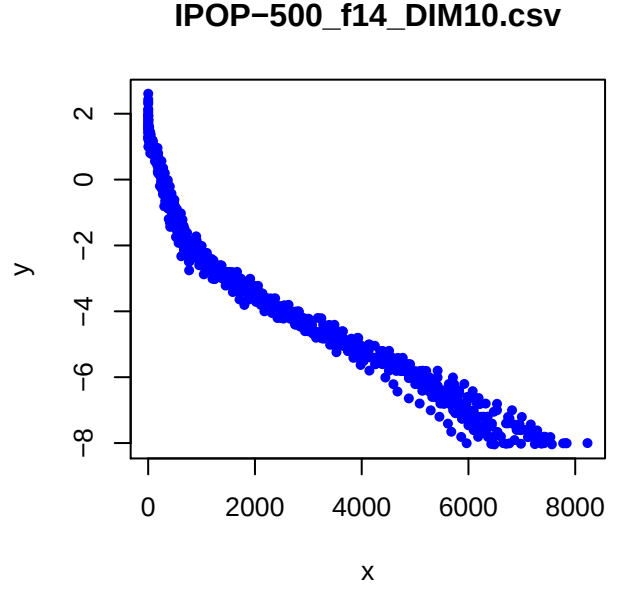
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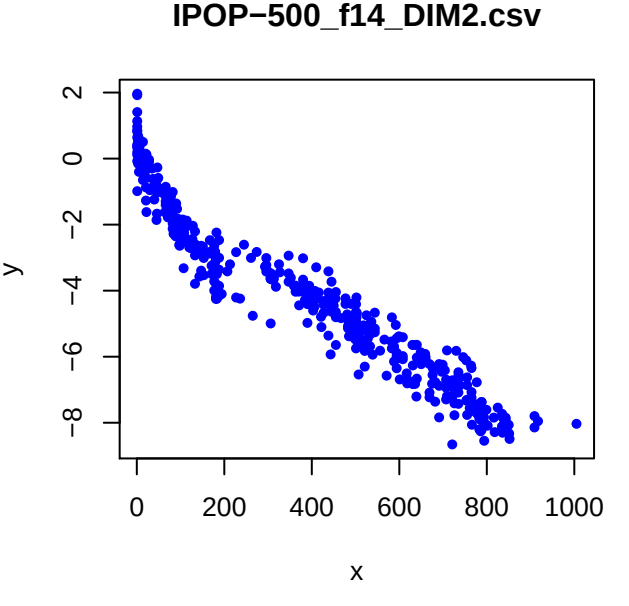
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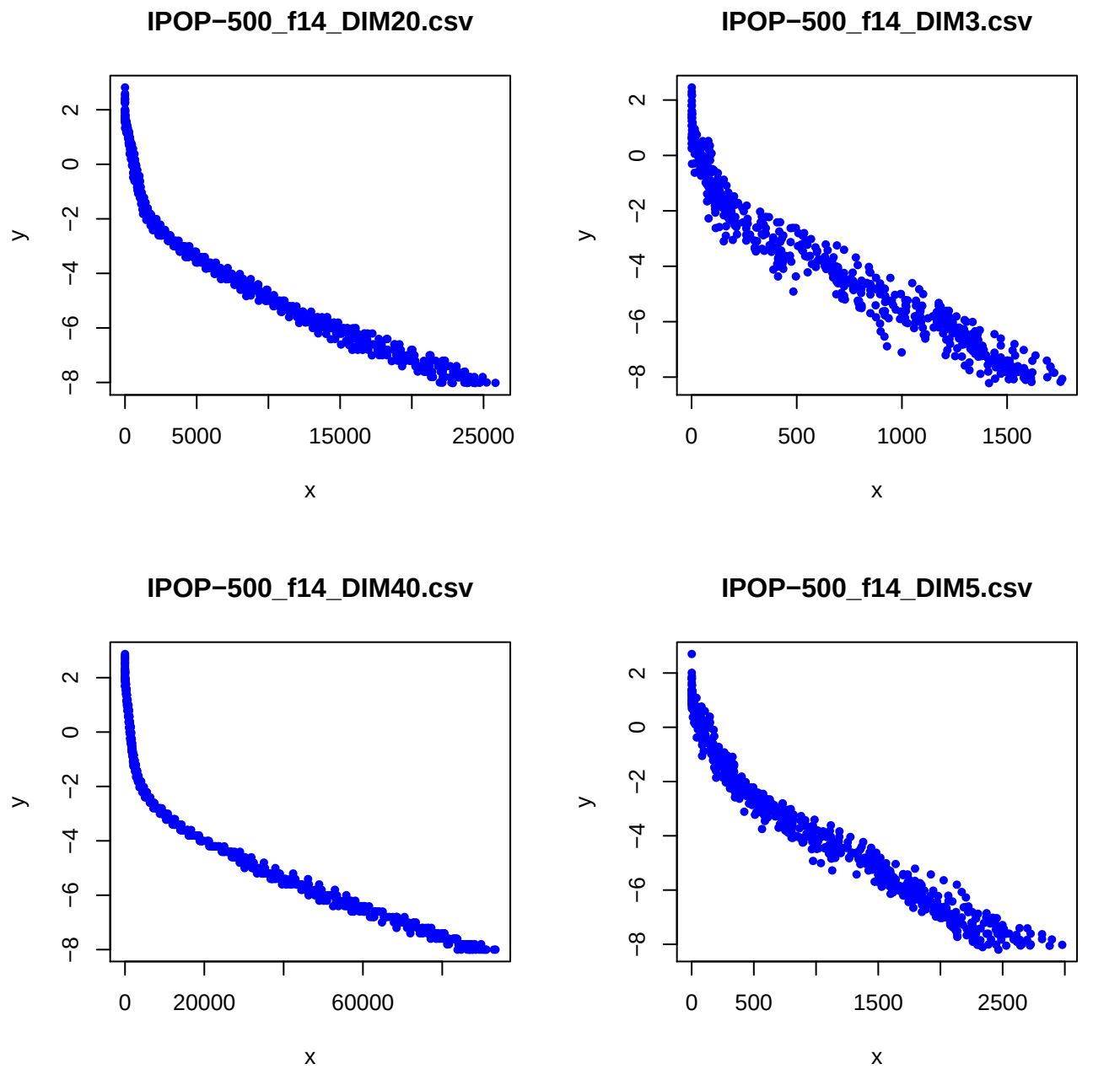
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IPOP−500_f14_DIM3.csv
IPOP−500_f14_DIM40.csv
IPOP−500_f14_DIM5.csv
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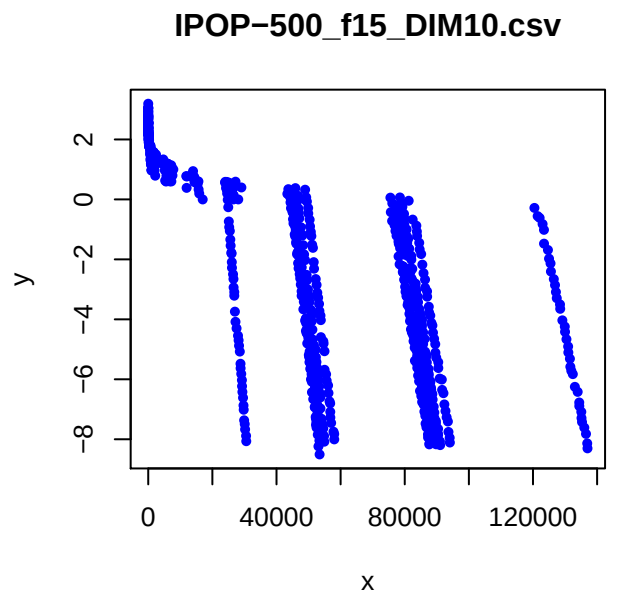
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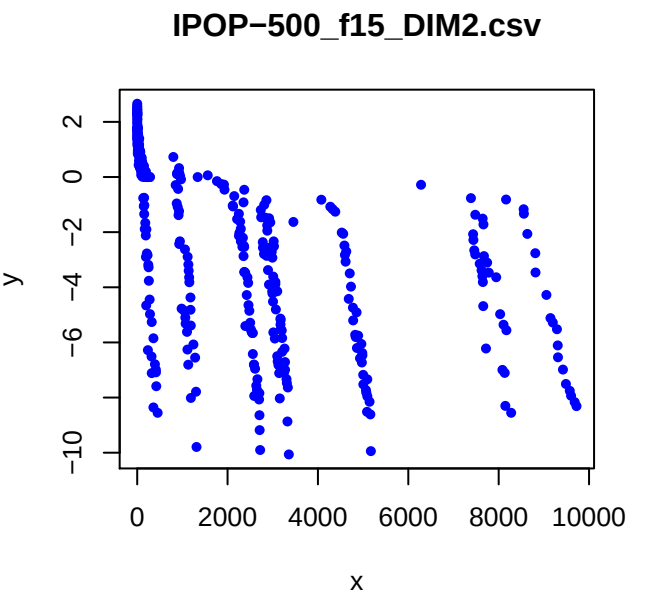
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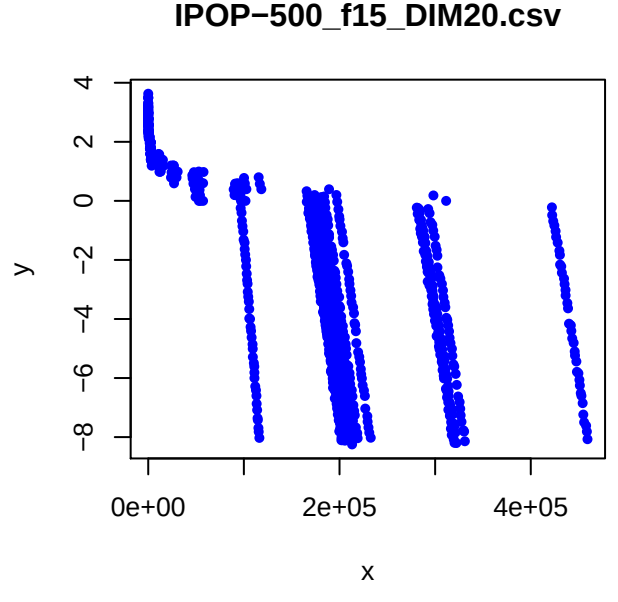
IPOP−500_f15_DIM20.csv
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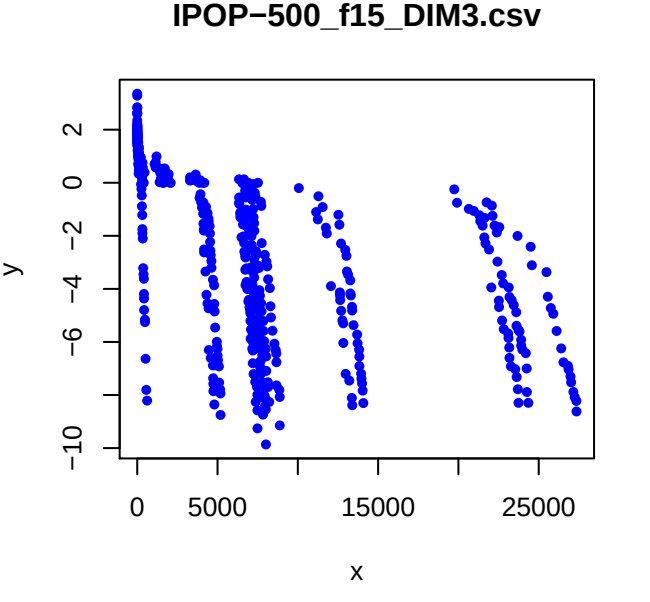
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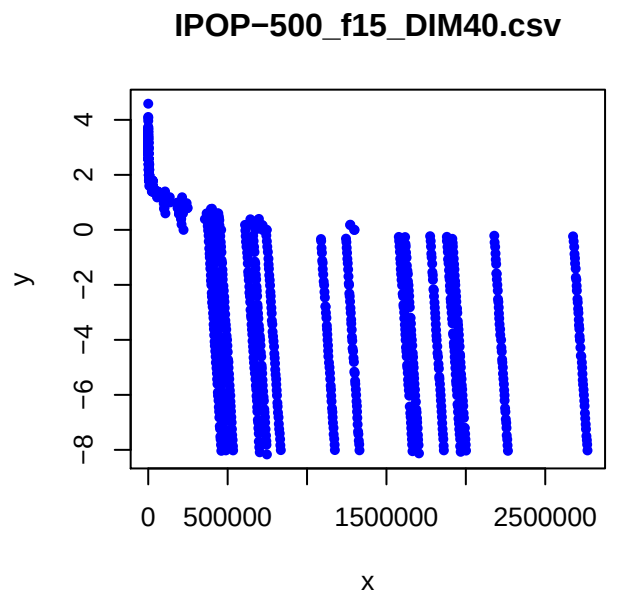
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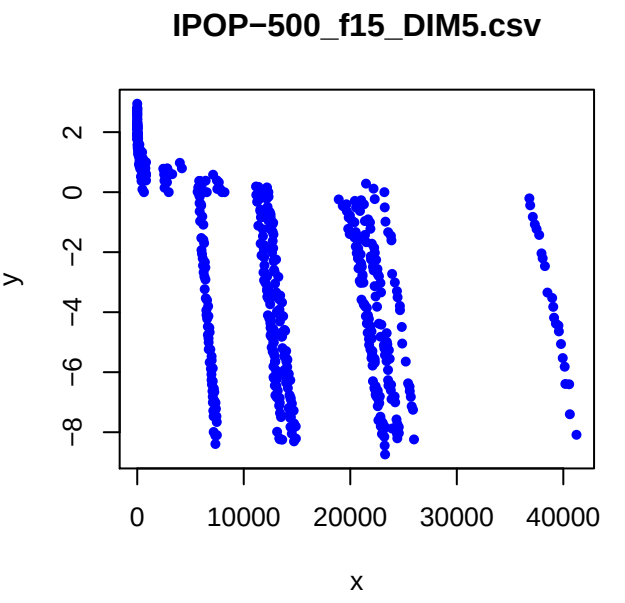
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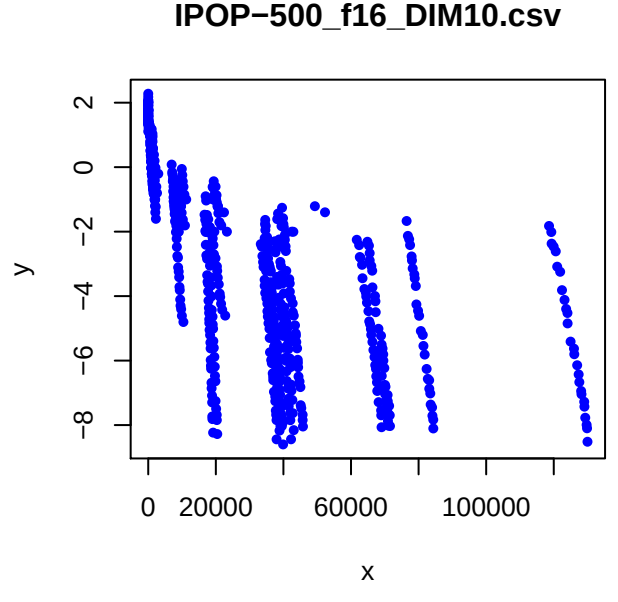
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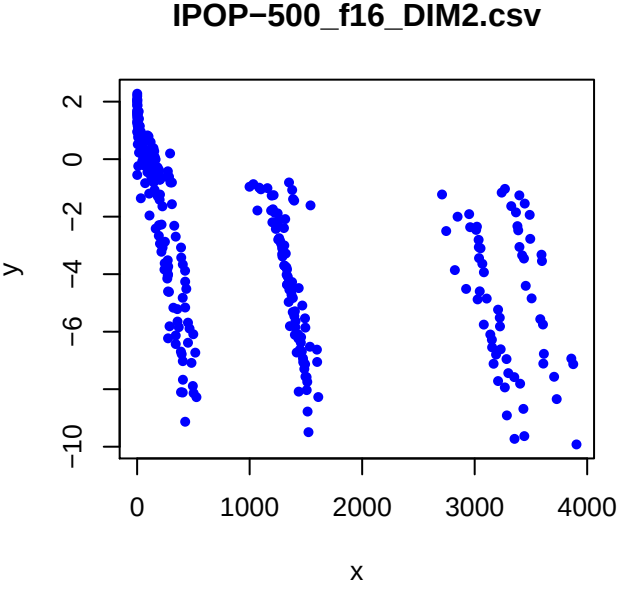
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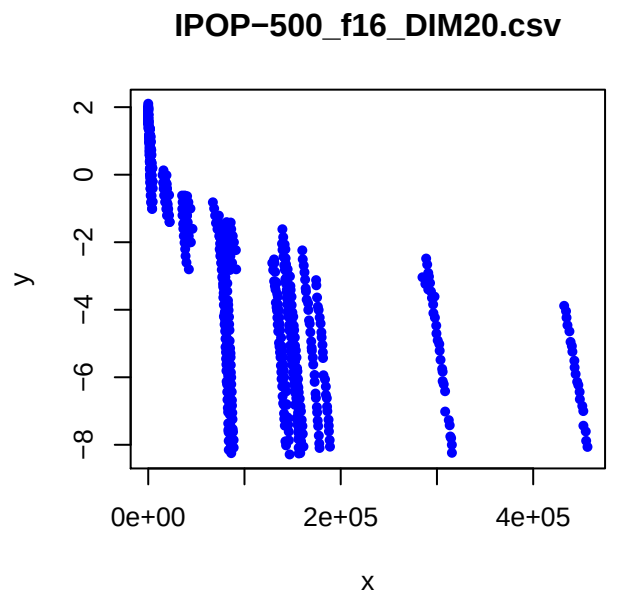
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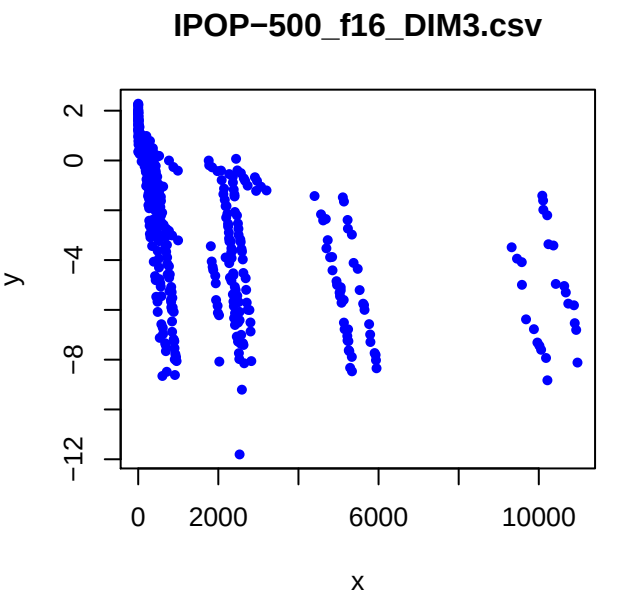
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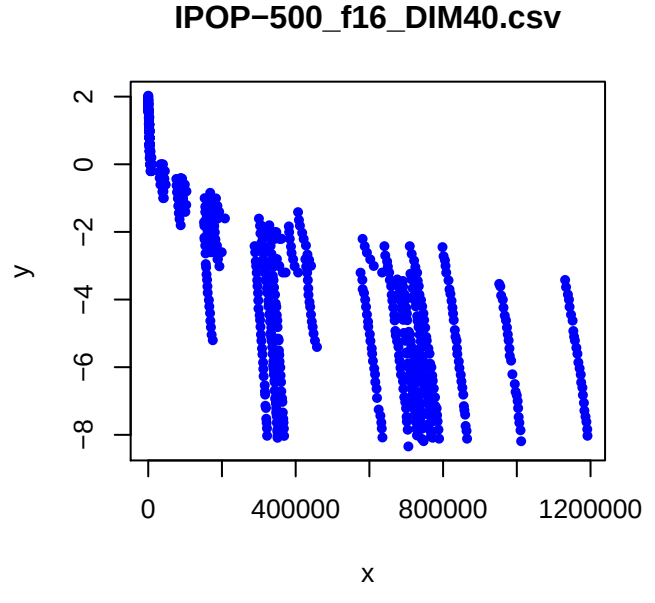
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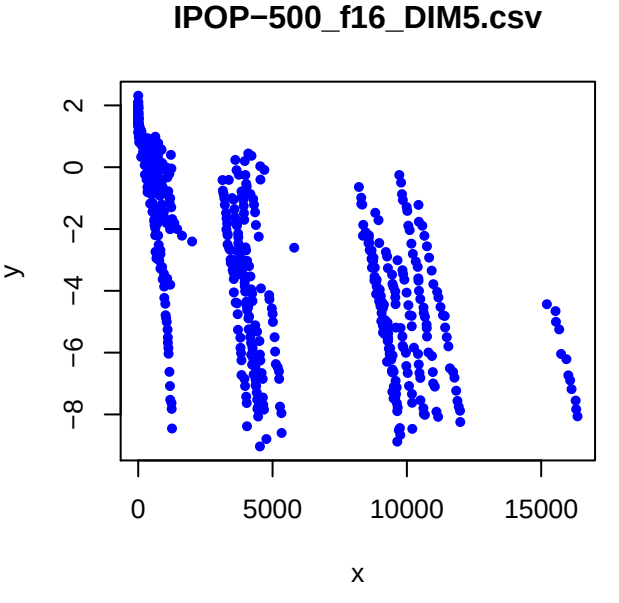
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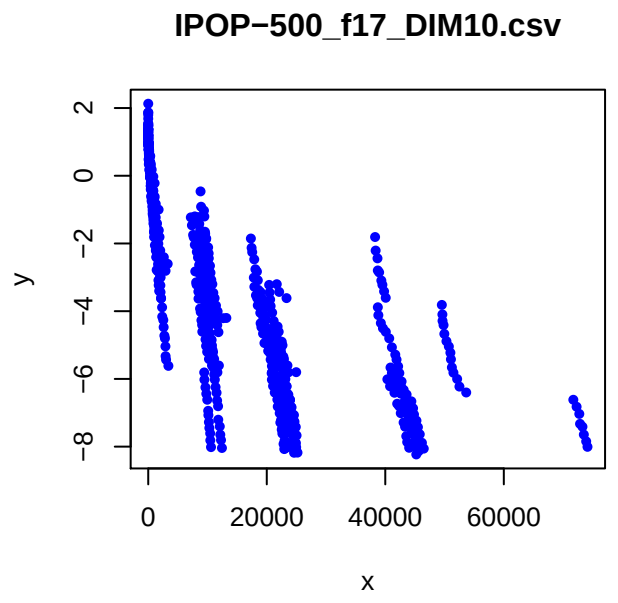
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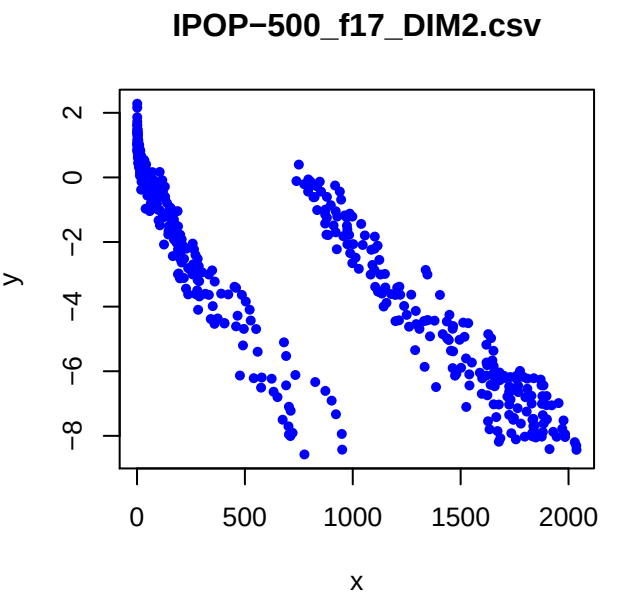
IPOP−500_f17_DIM2.csv
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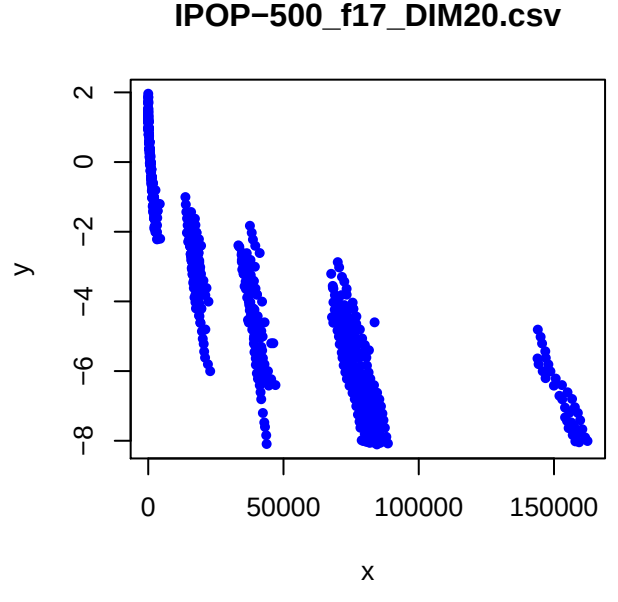
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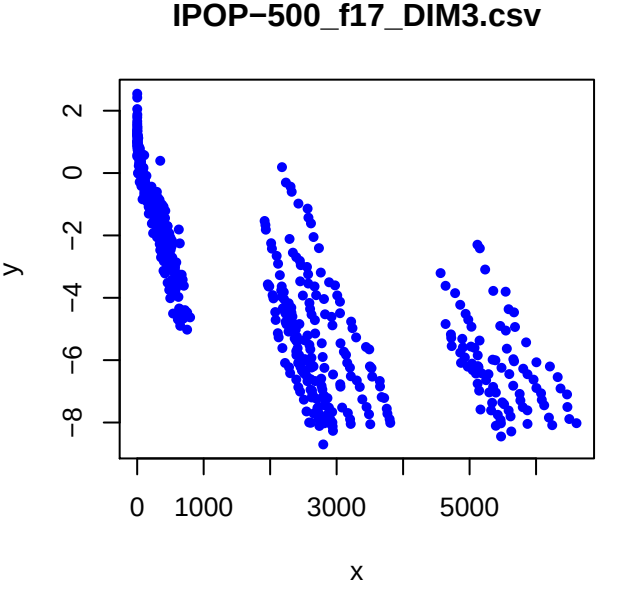
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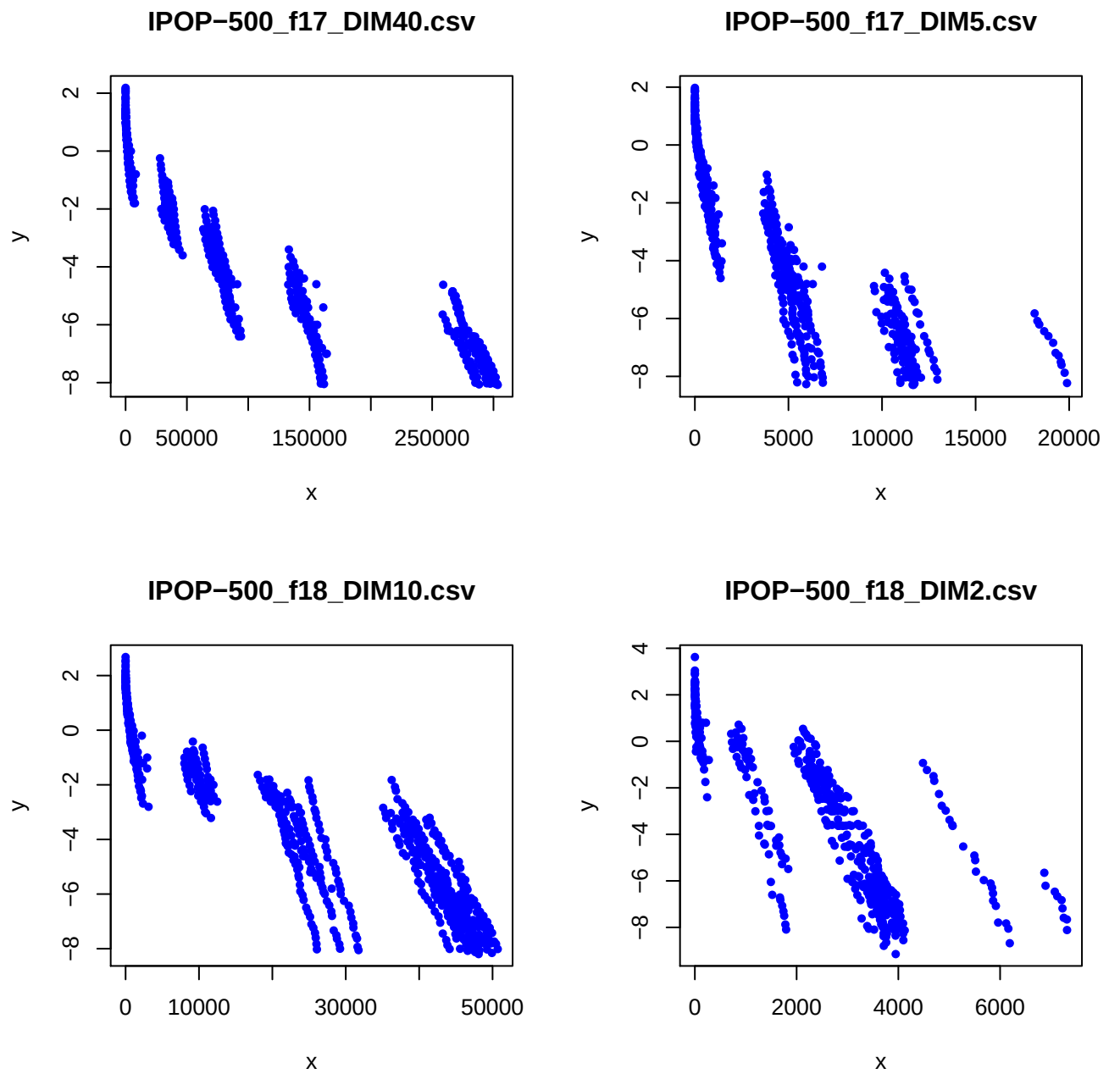
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IPOP−500_f17_DIM5.csv
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x
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−2
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−6
−8
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10000
15000
20000
IPOP−500_f18_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
10000
30000
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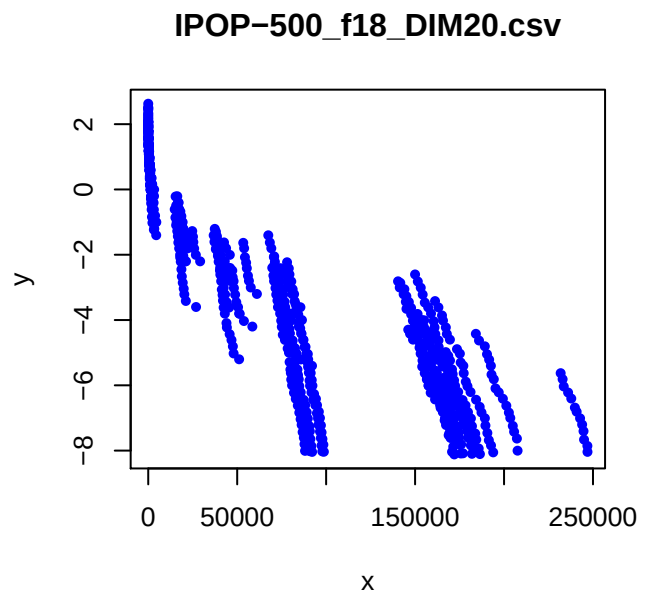
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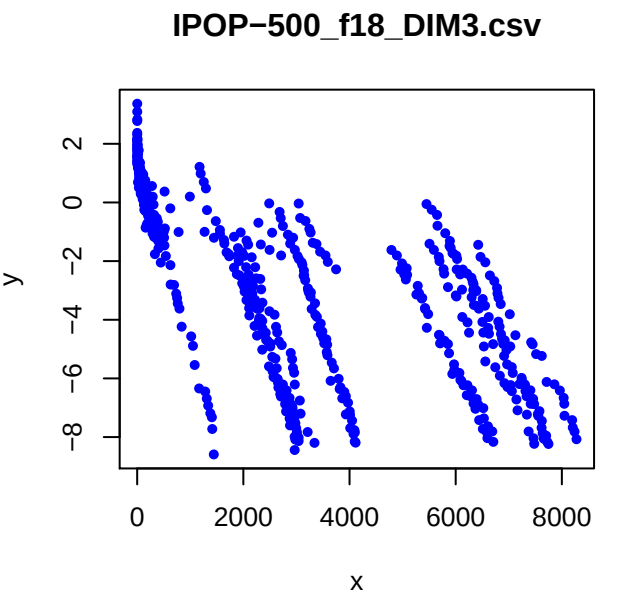
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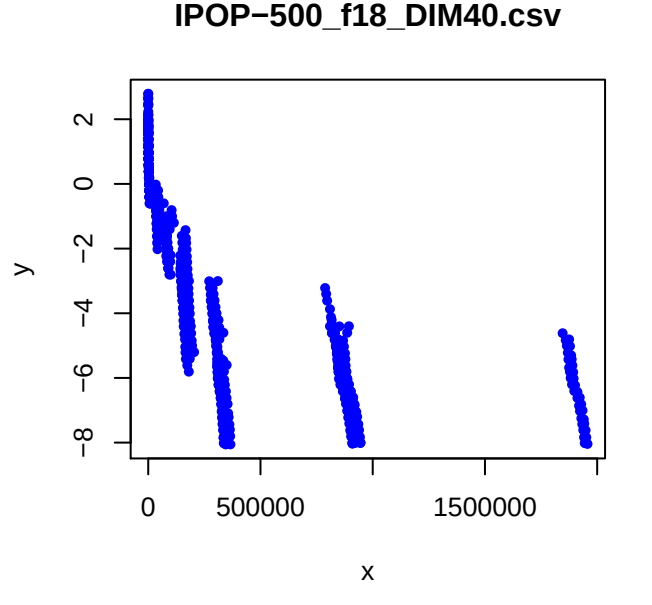
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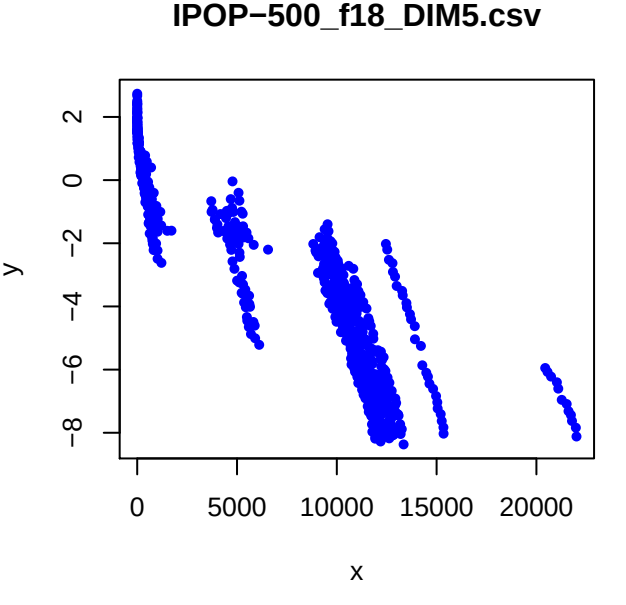
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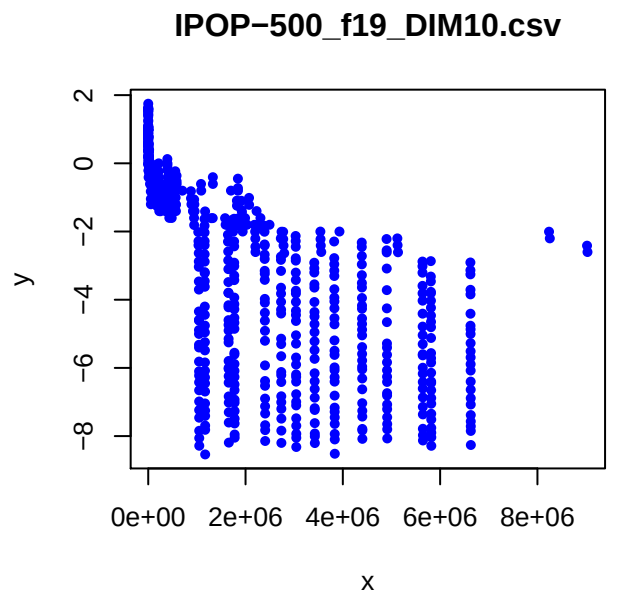
IPOP−500_f19_DIM10.csv
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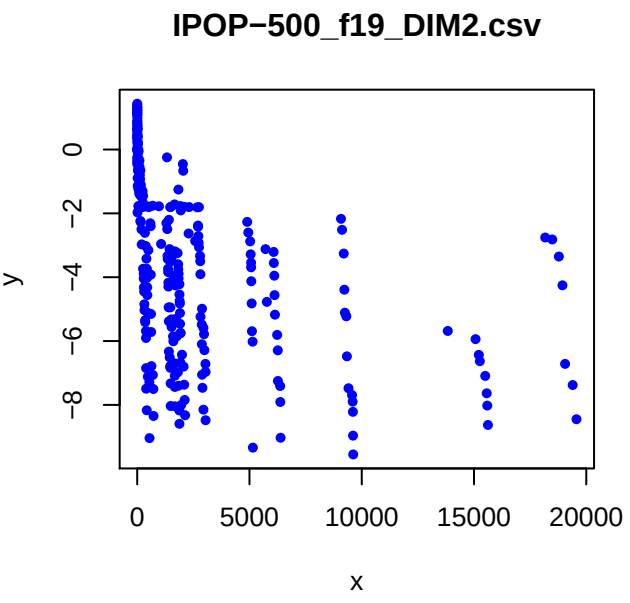
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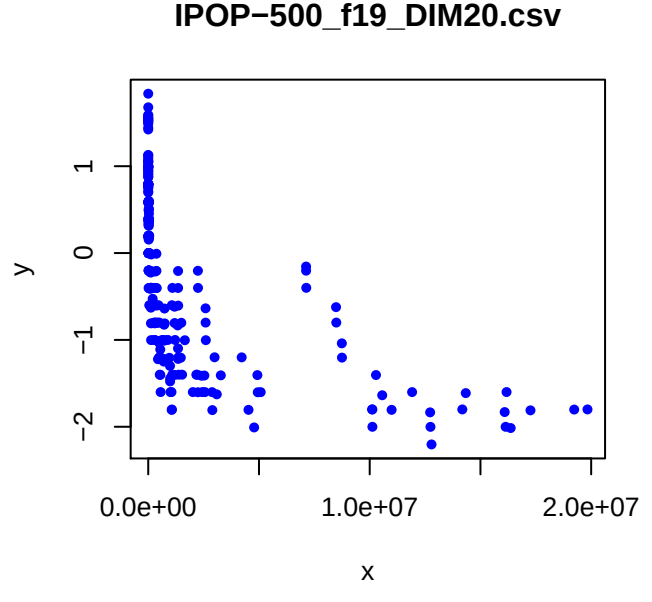
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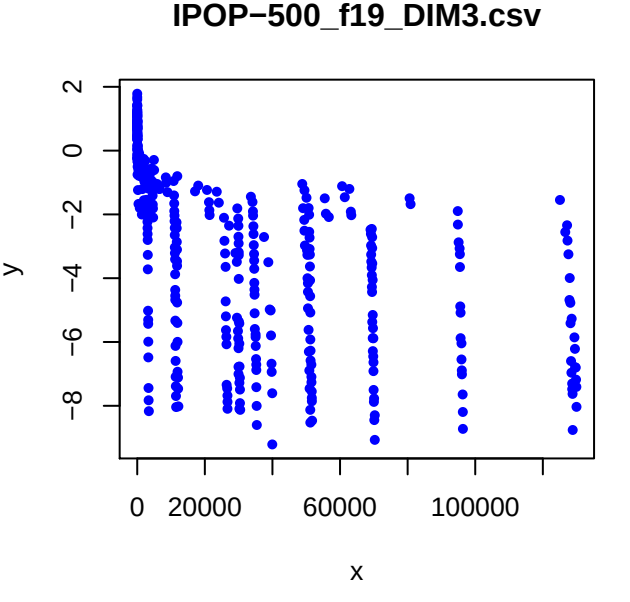
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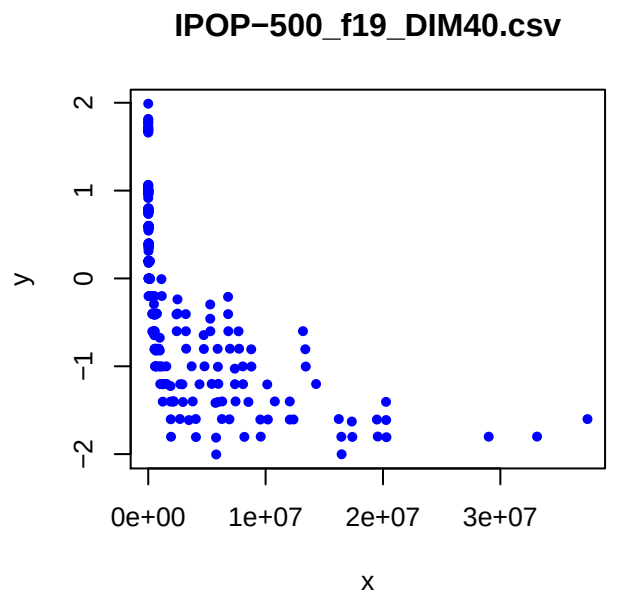
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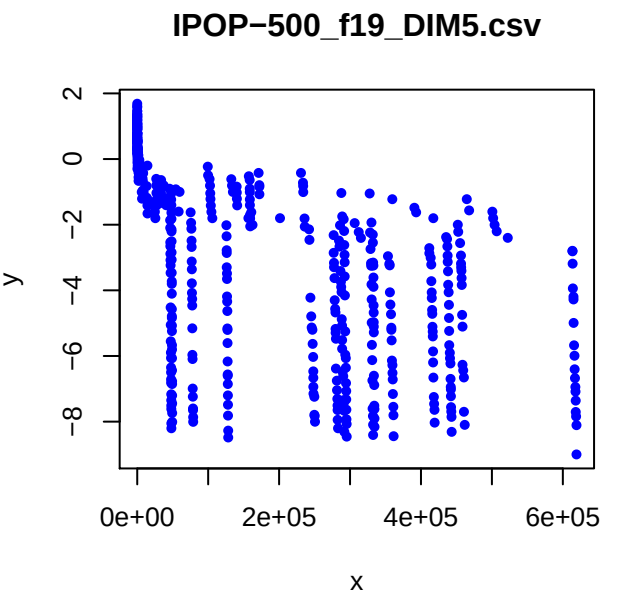
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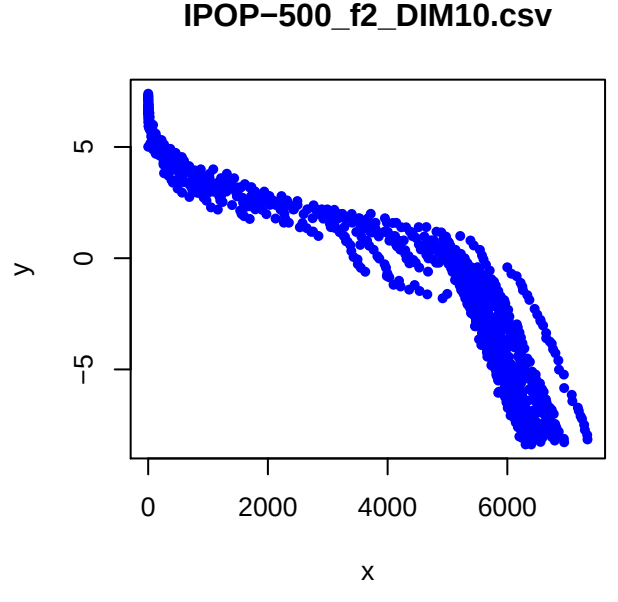
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x
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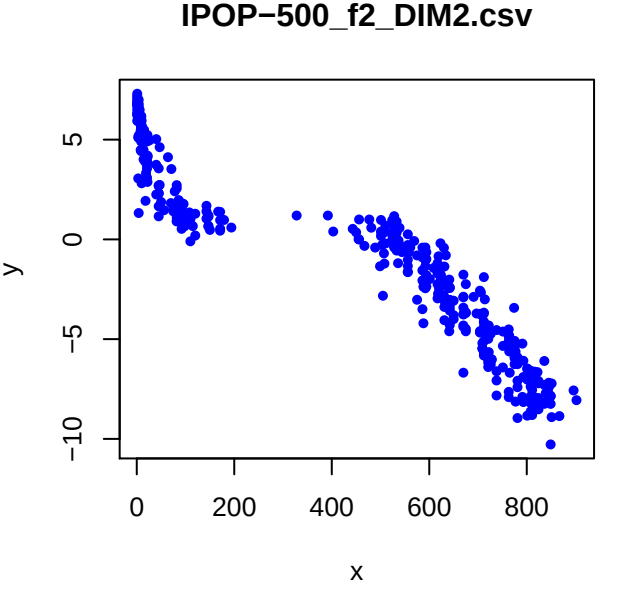
4000
6000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x
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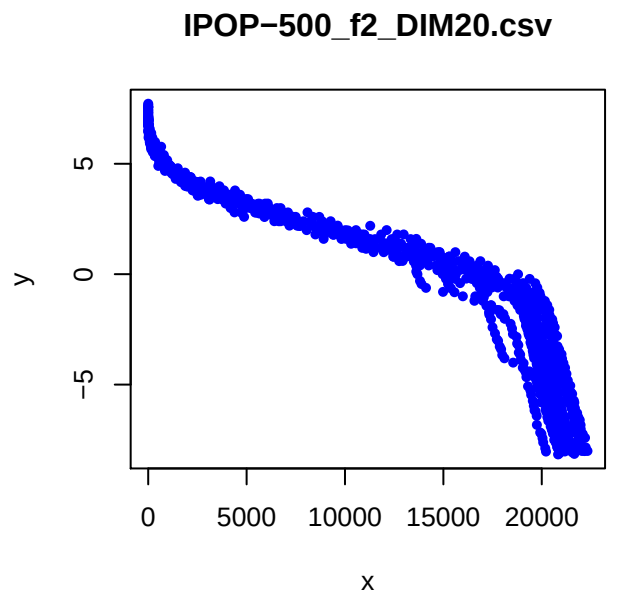
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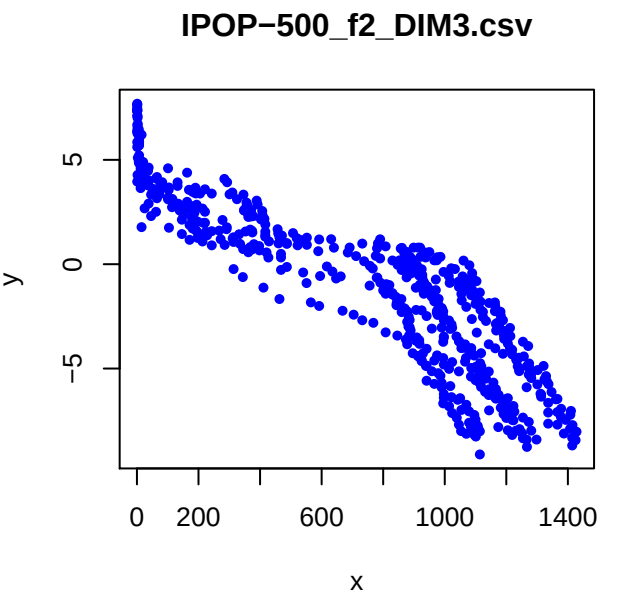
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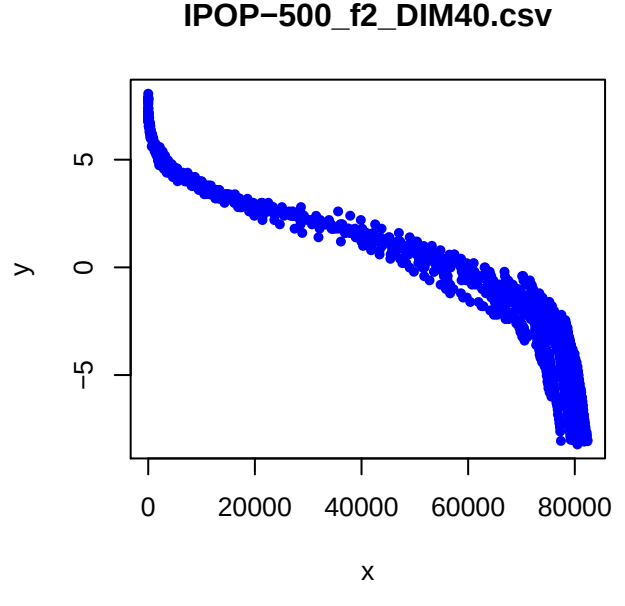
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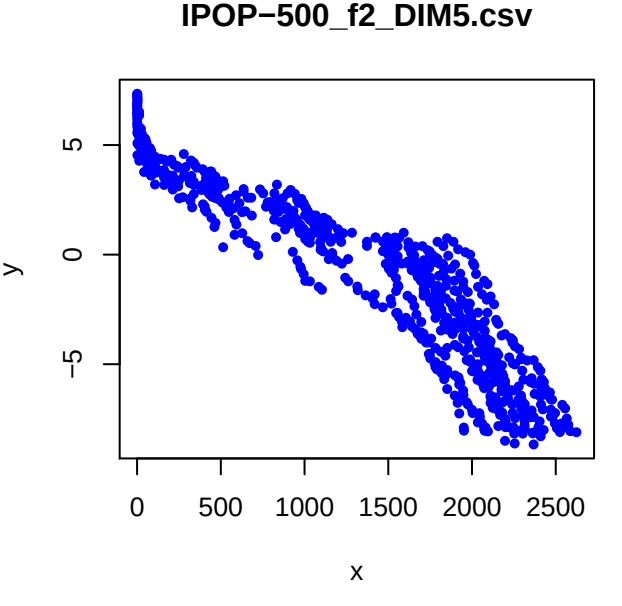
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1500
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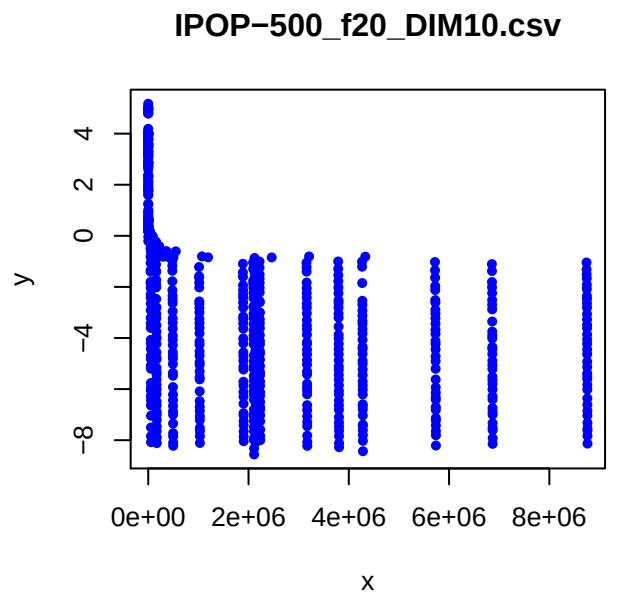
2500
x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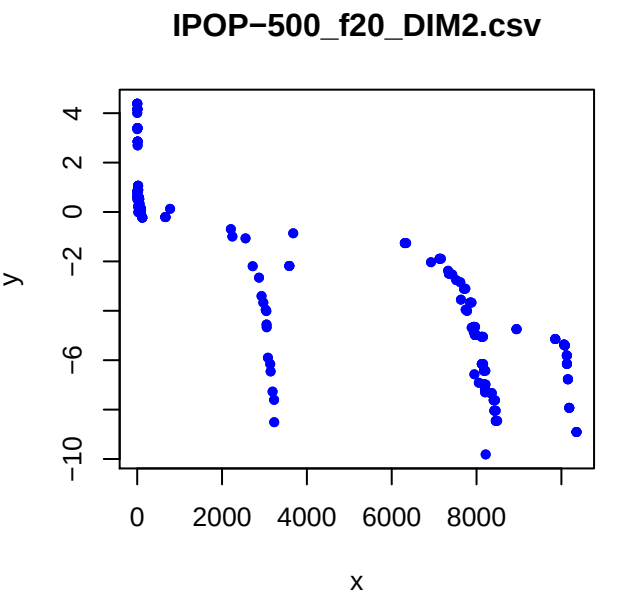
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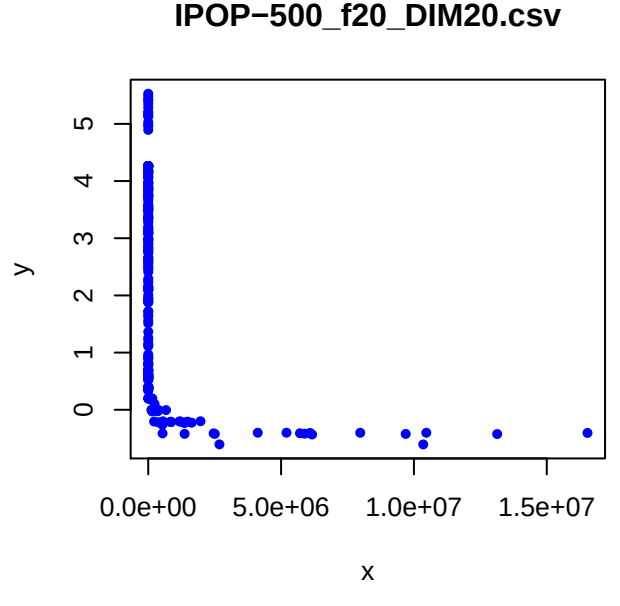
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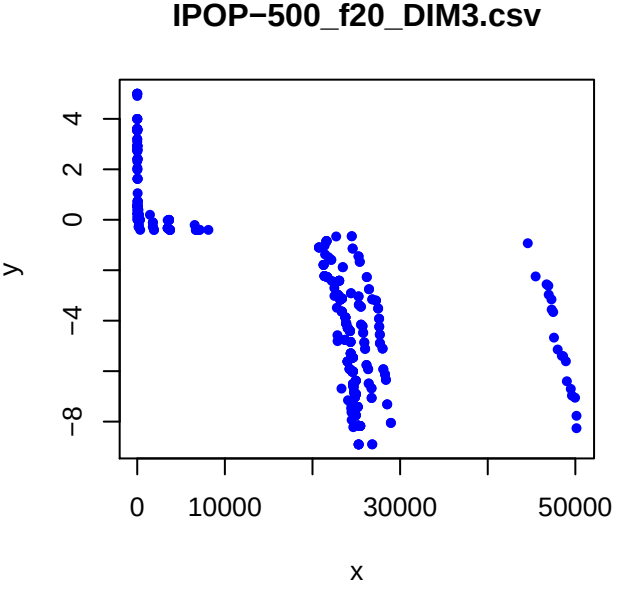
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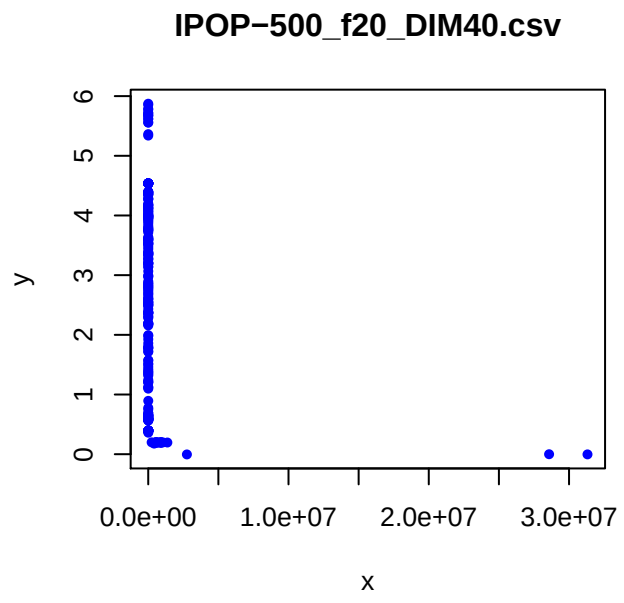
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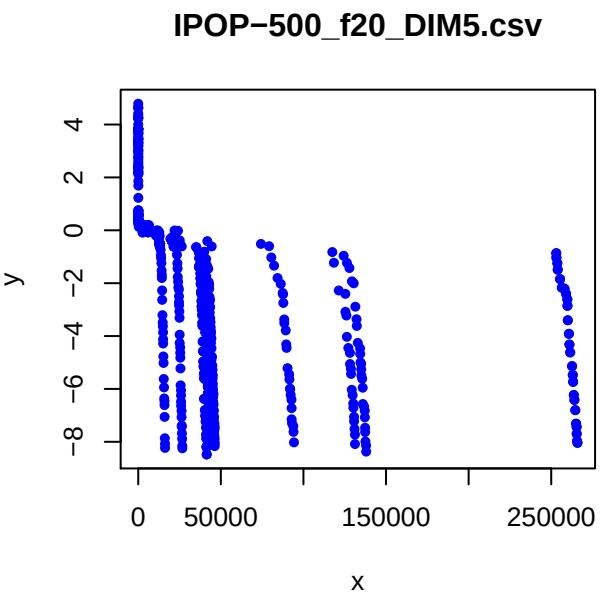
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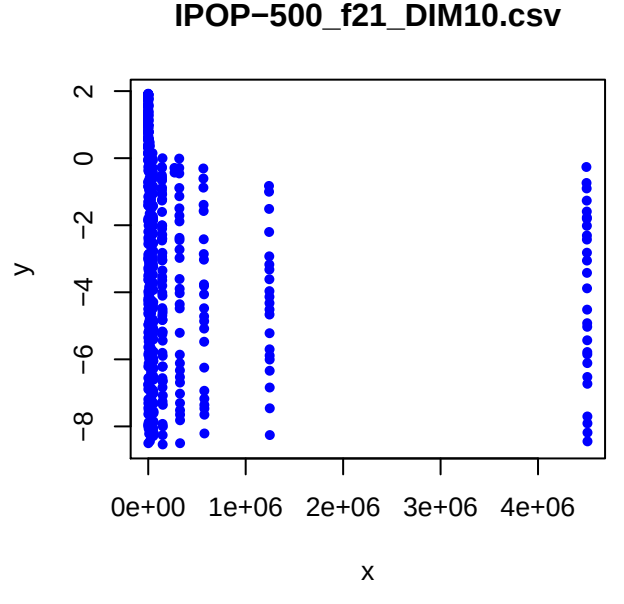
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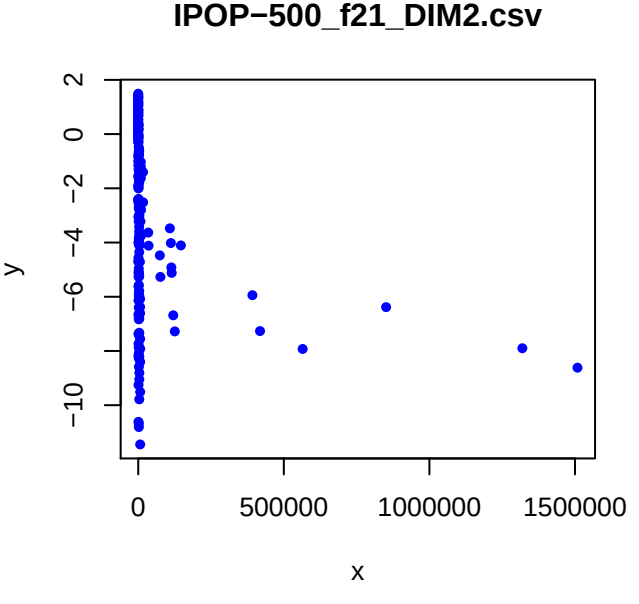
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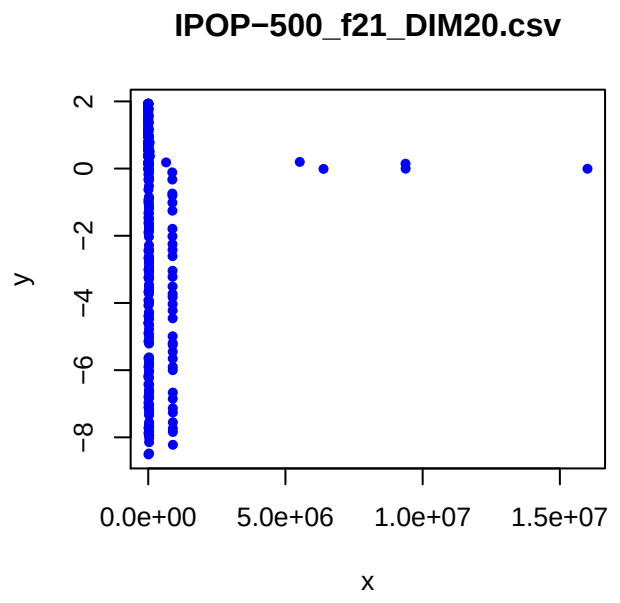
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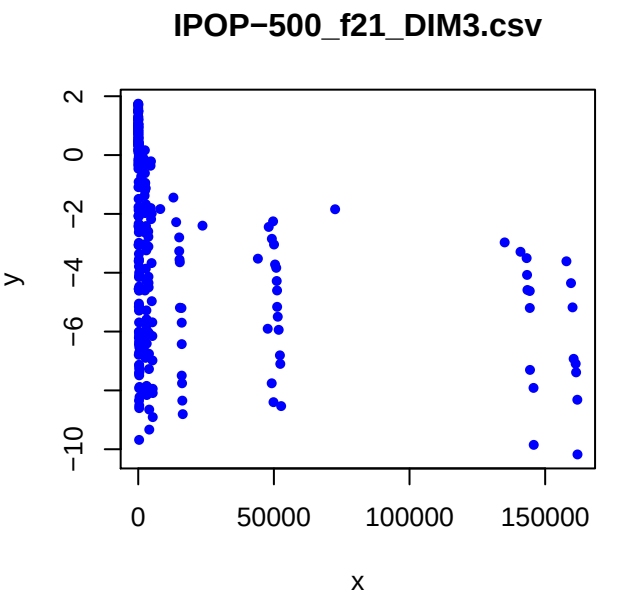
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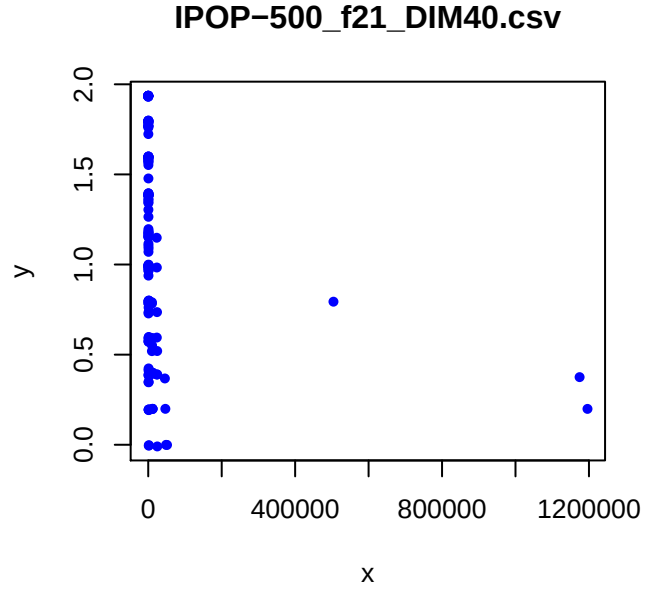
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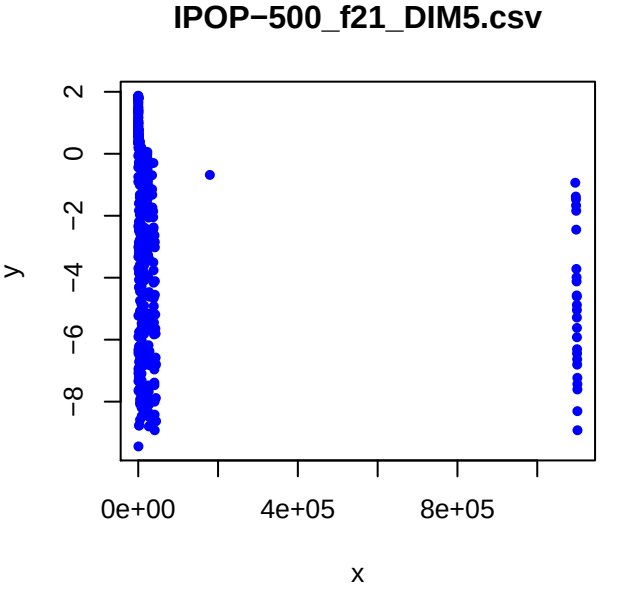
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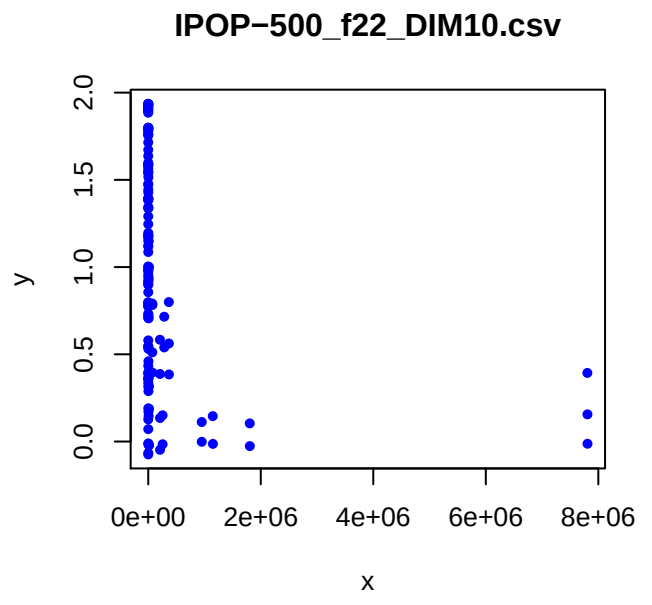
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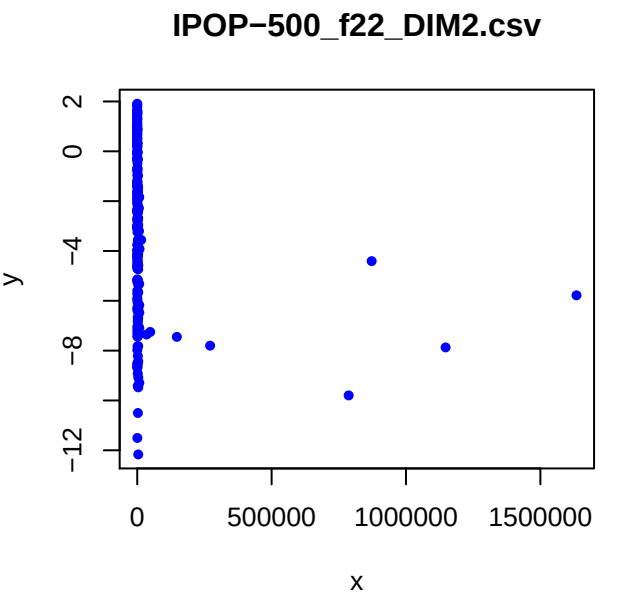
x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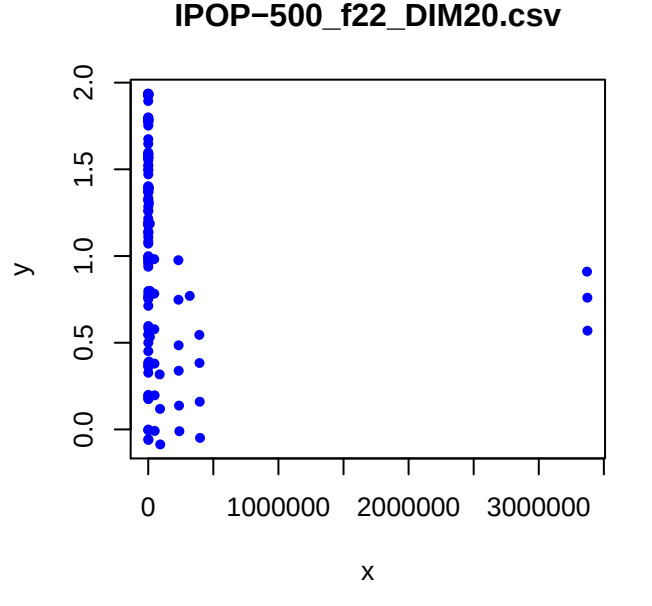
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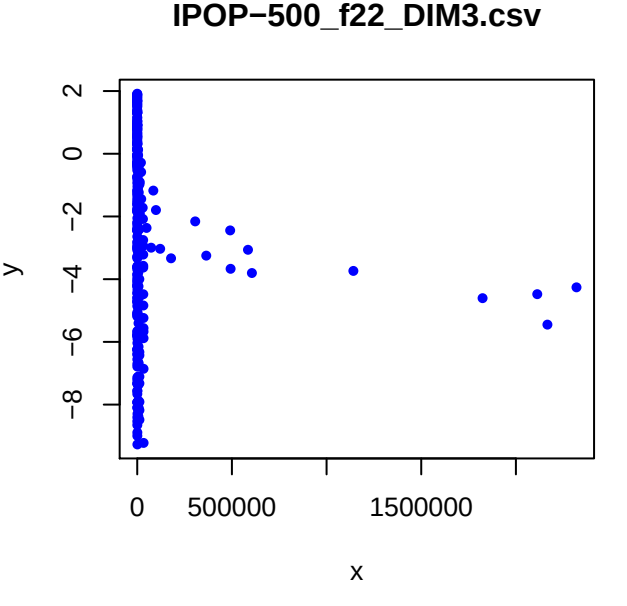
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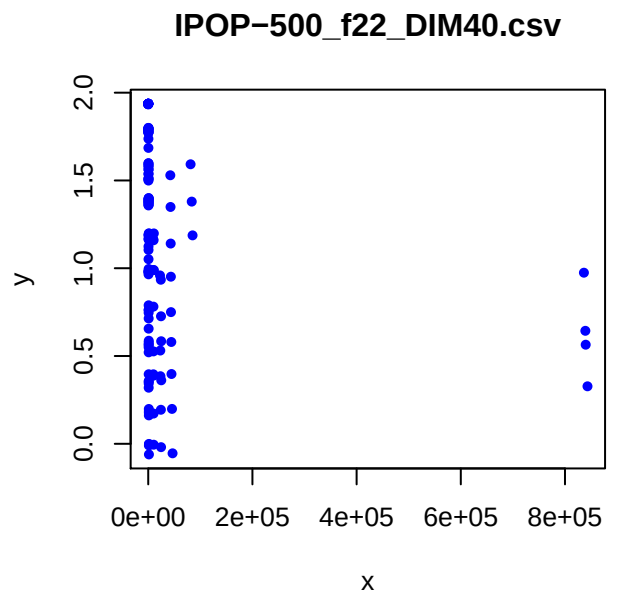
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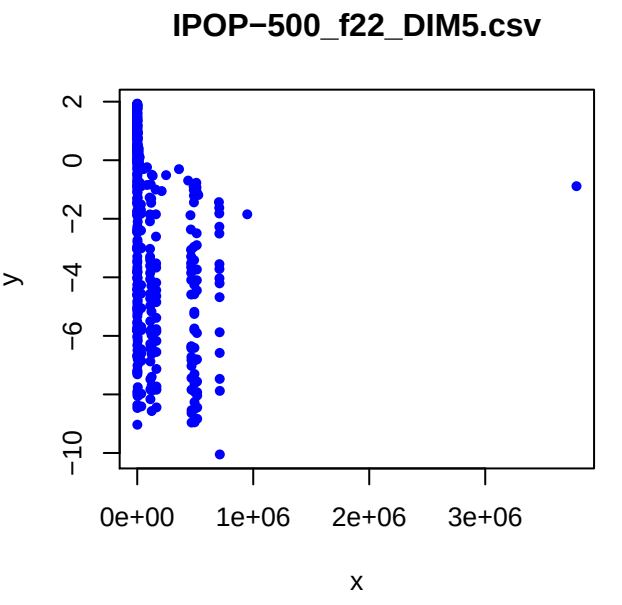
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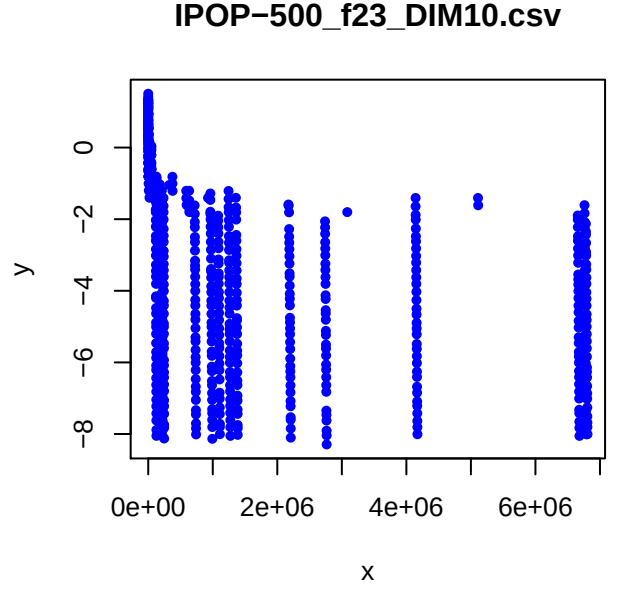
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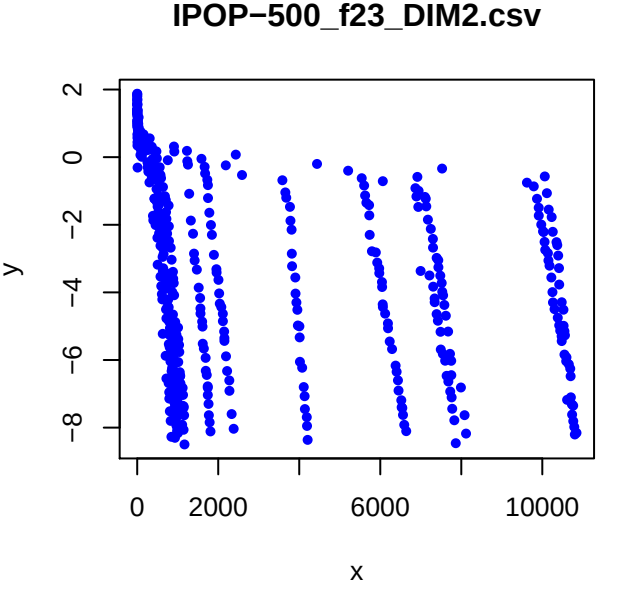
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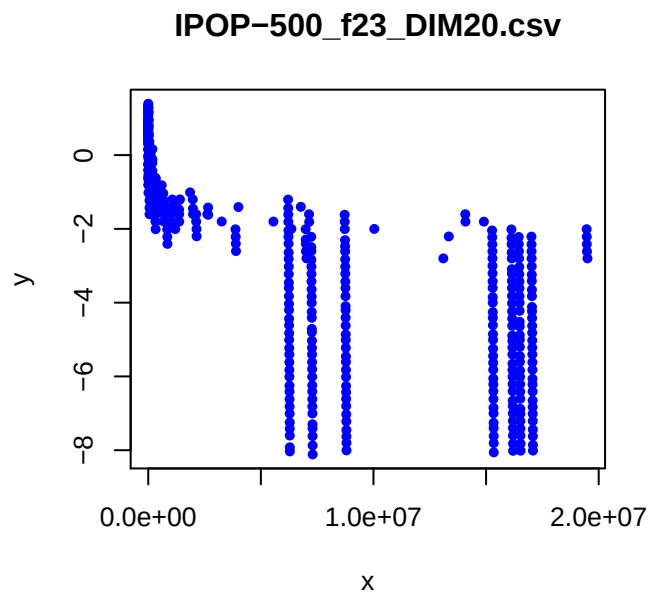
10000
x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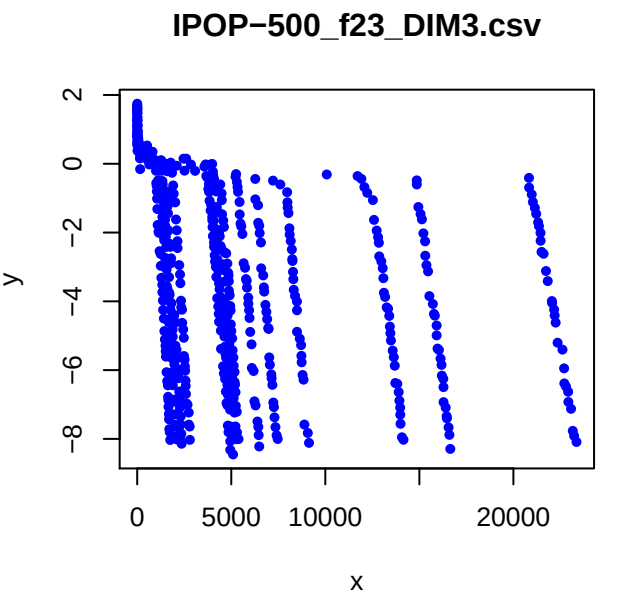
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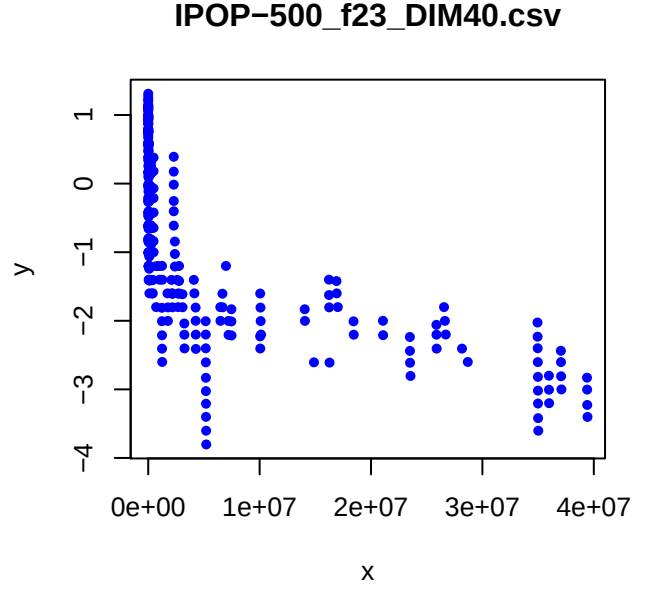
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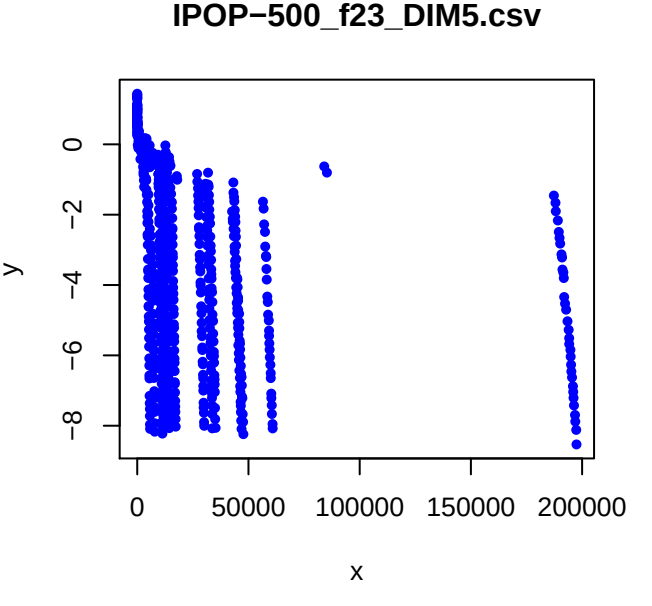
IPOP−500_f23_DIM5.csv
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−6
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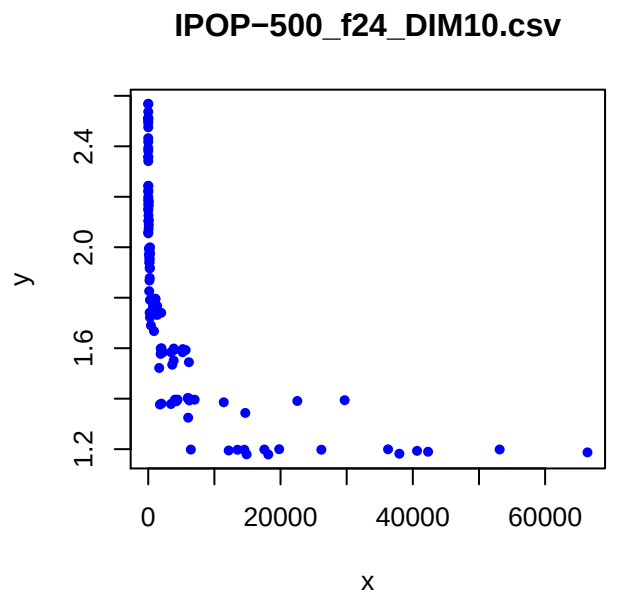
150000
200000
x


IPOP−500_f24_DIM10.csv
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x
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1.6
2.0
2.4
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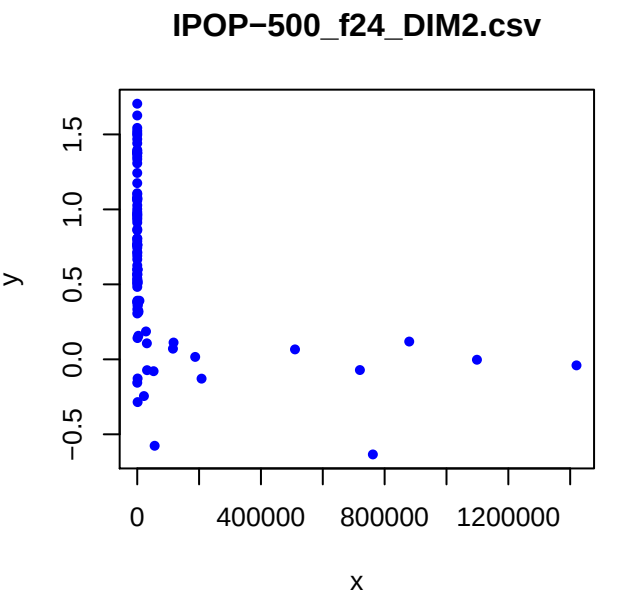
40000
60000


IPOP−500_f24_DIM2.csv
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x
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0.5
1.0
1.5
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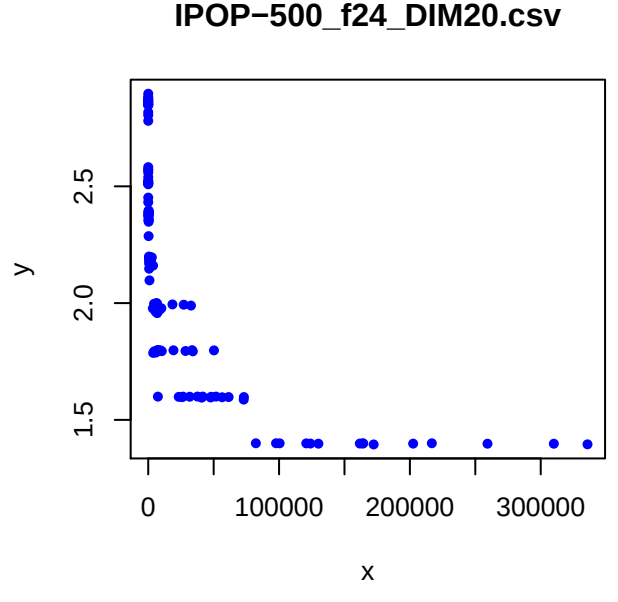
400000
800000
1200000


IPOP−500_f24_DIM20.csv
y
x
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2.0
2.5
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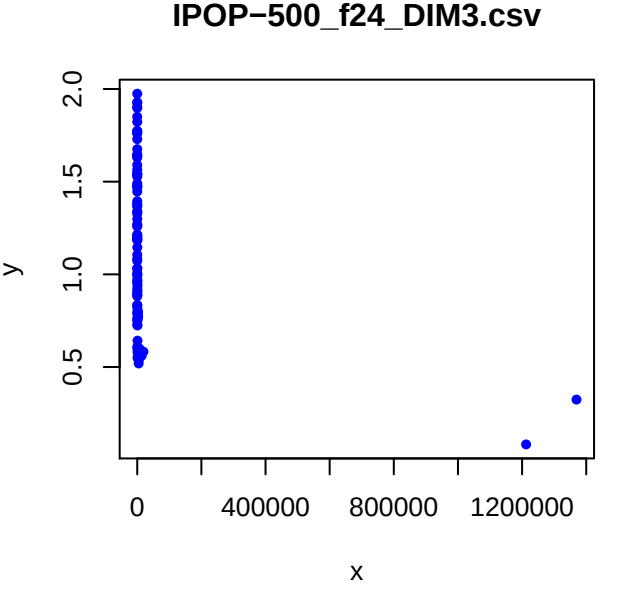
200000
300000


IPOP−500_f24_DIM3.csv
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x
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1.0
1.5
2.0
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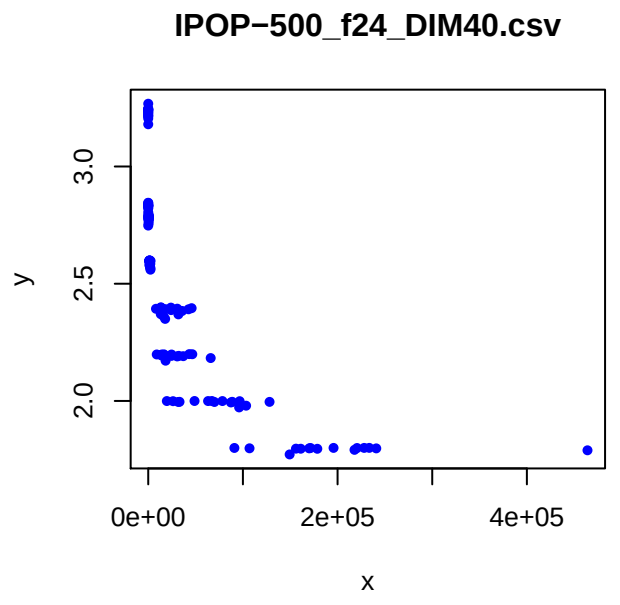
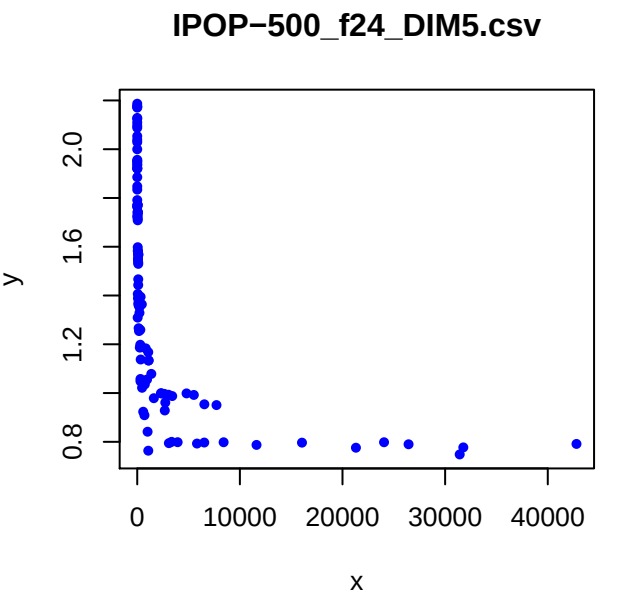
400000
800000
1200000


IPOP−500_f24_DIM40.csv
y
3.0
2.5
2.0
0e+00
2e+05
4e+05
x


IPOP−500_f24_DIM5.csv
y
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1.6
1.2
0.8
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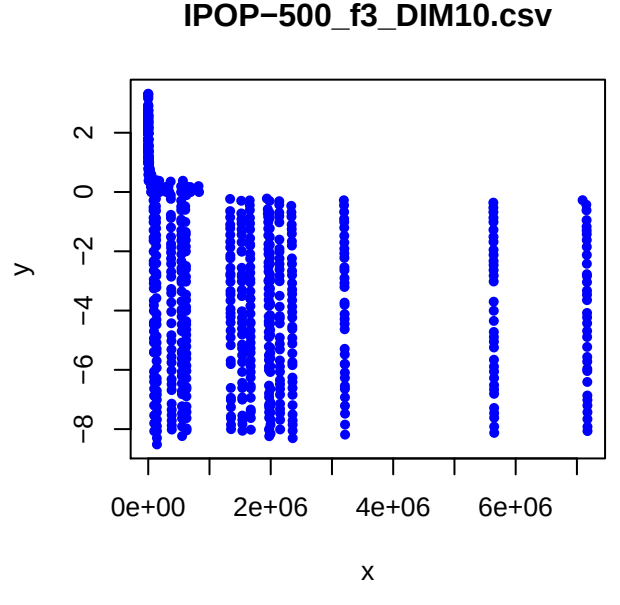
20000
30000
40000
x


IPOP−500_f3_DIM10.csv
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−2
−4
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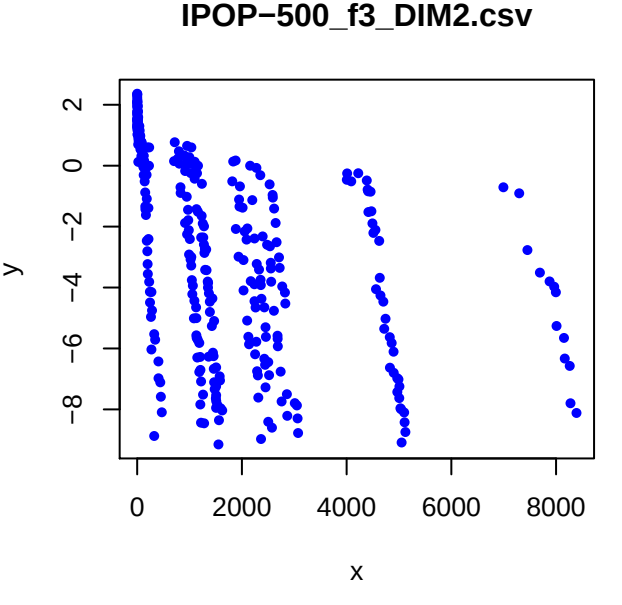
−8
0e+00
2e+06
4e+06
6e+06
x


IPOP−500_f3_DIM2.csv
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−4
−6
−8
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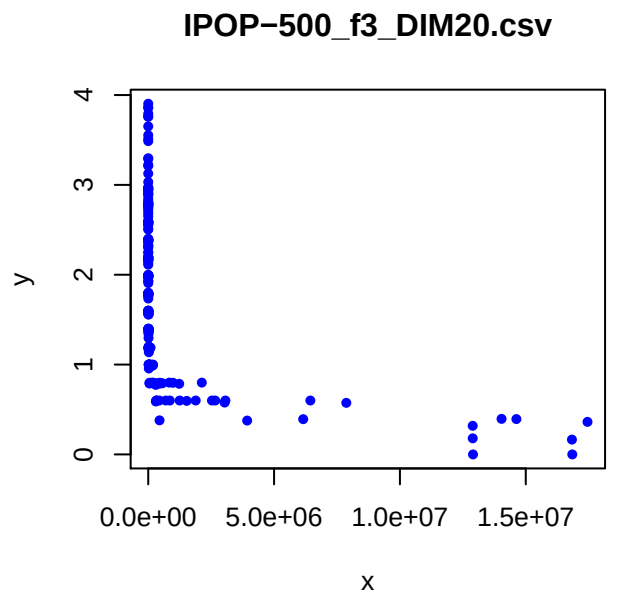
4000
6000
8000
x


IPOP−500_f3_DIM20.csv
y
x
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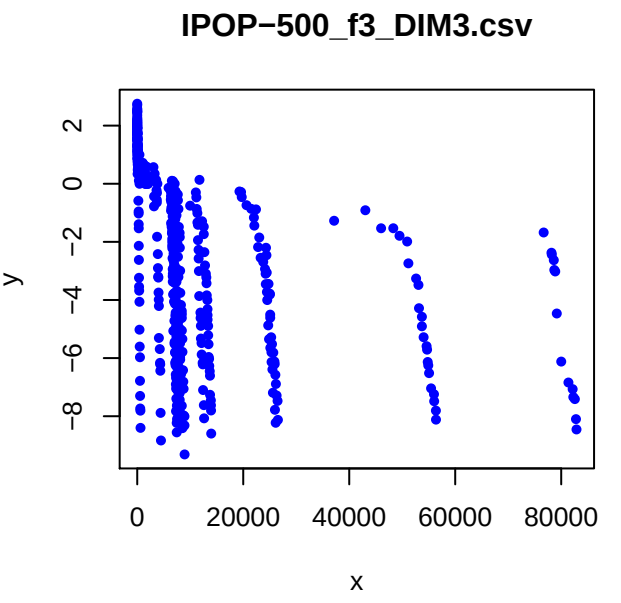
1
2
3
4
0.0e+00
5.0e+06
1.0e+07
1.5e+07


IPOP−500_f3_DIM3.csv
y
x
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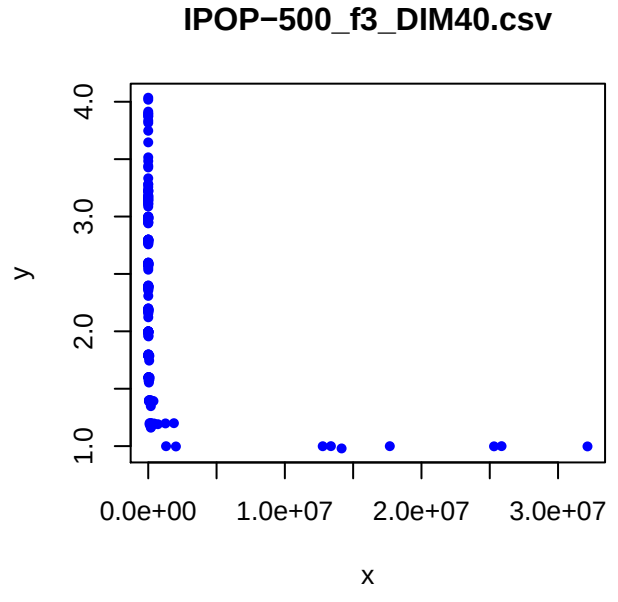
0
−2
−4
−6
−8
0
20000
40000
60000
80000


IPOP−500_f3_DIM40.csv
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x
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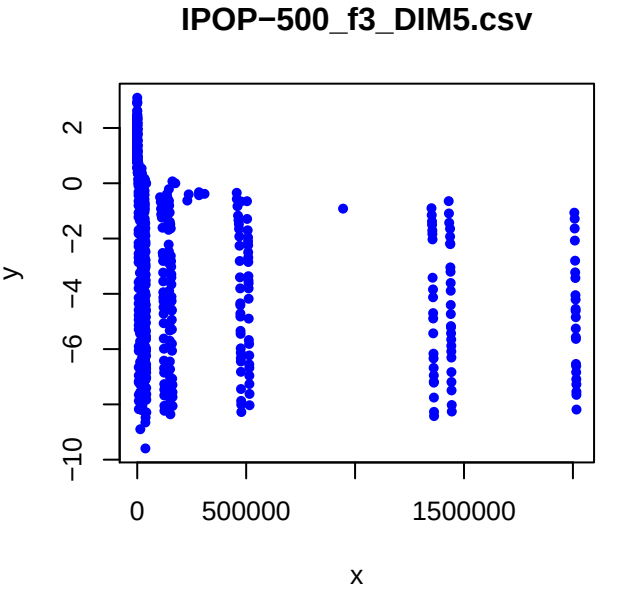
2.0
3.0
4.0
0.0e+00
1.0e+07
2.0e+07
3.0e+07


IPOP−500_f3_DIM5.csv
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x
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−4
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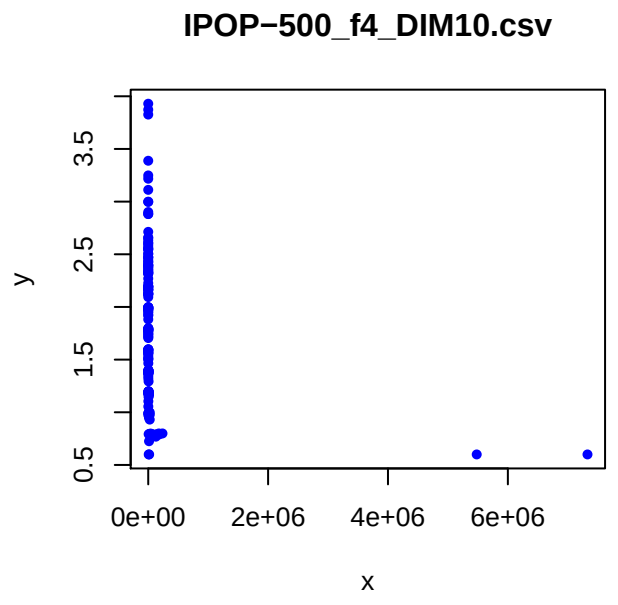
0
500000
1500000


IPOP−500_f4_DIM10.csv
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1.5
2.5
3.5
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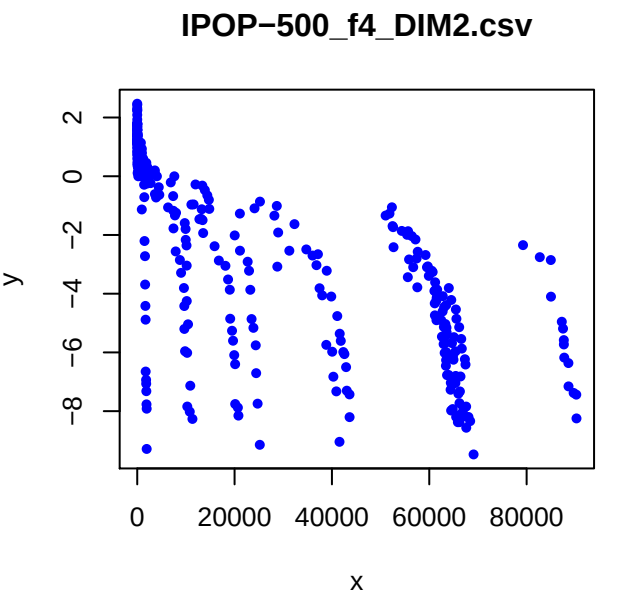
2e+06
4e+06
6e+06
x


IPOP−500_f4_DIM2.csv
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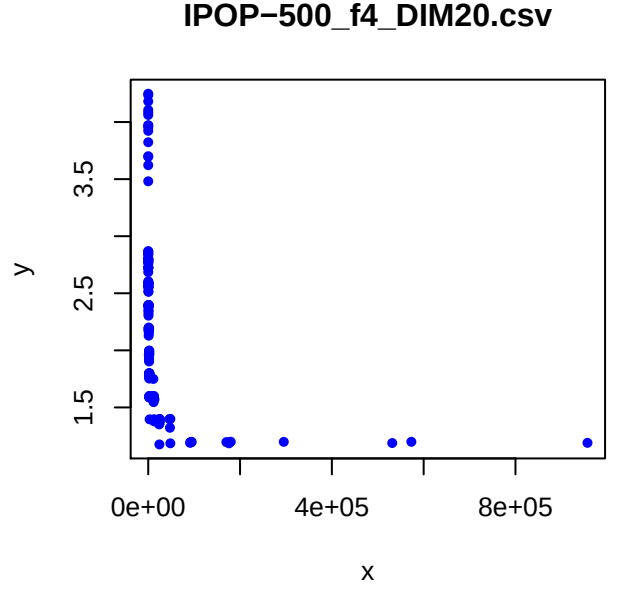
40000
60000
80000
x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2.5
3.5
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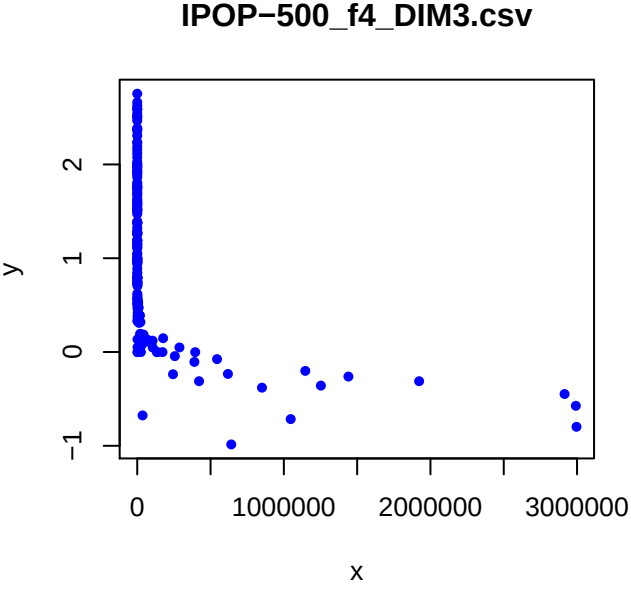
8e+05
x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0
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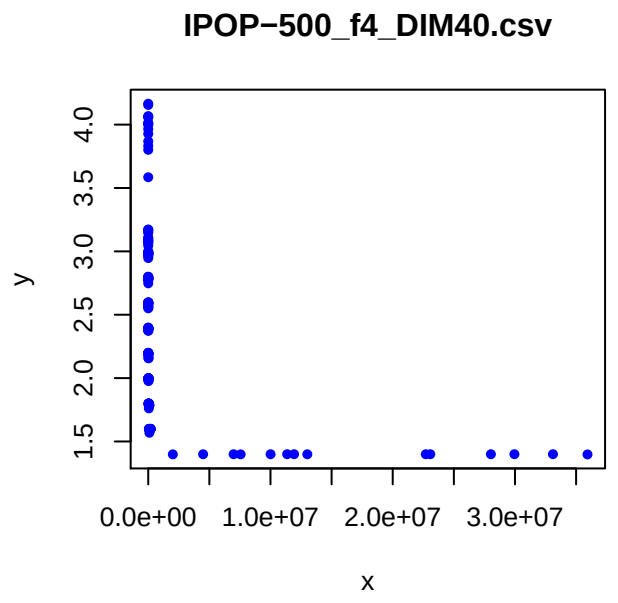
2000000
3000000
x


IPOP−500_f4_DIM40.csv
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3.0
2.5
2.0
1.5
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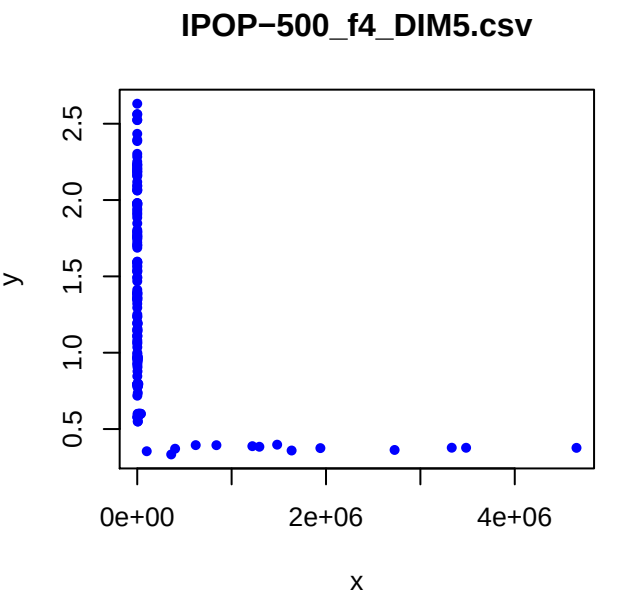
3.0e+07
x


IPOP−500_f4_DIM5.csv
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1.5
1.0
0.5
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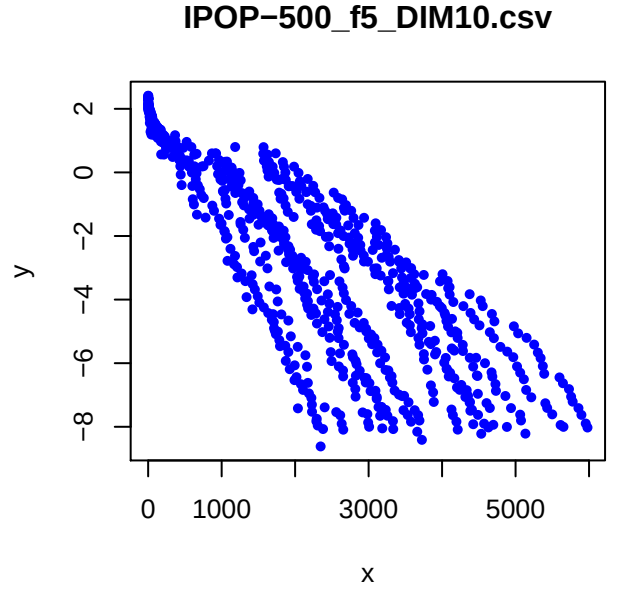
4e+06
x


IPOP−500_f5_DIM10.csv
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−6
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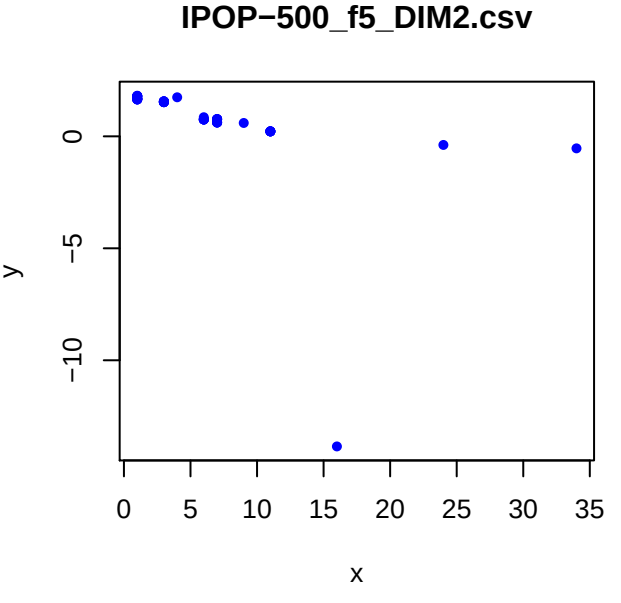
3000
5000
x


IPOP−500_f5_DIM2.csv
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25
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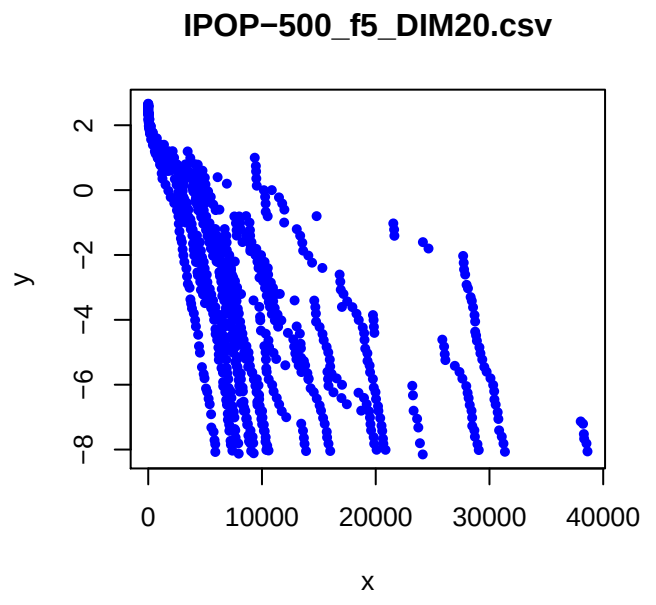
35
x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−8
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30000
40000
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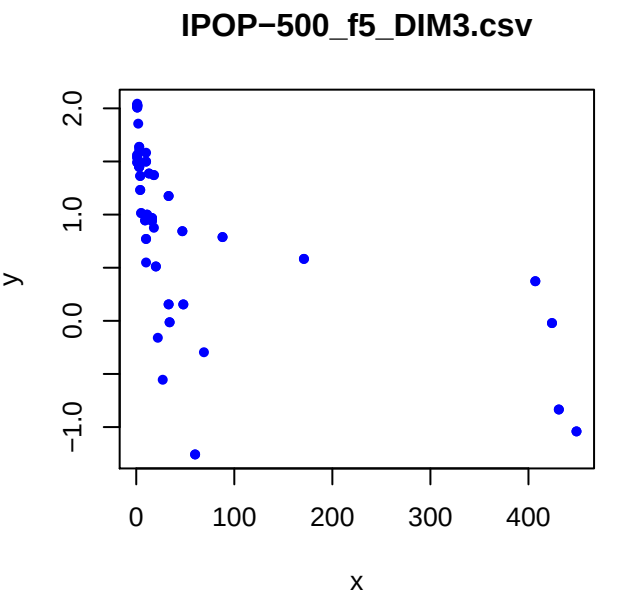
IPOP−500_f5_DIM3.csv
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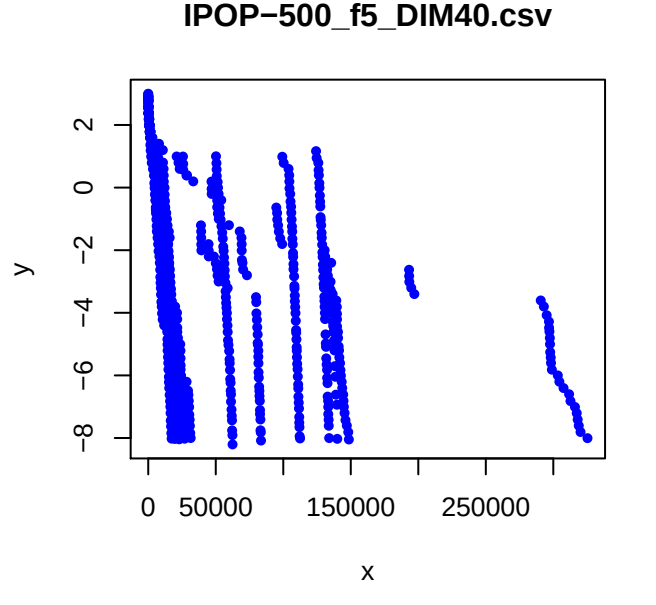
200
300
400
x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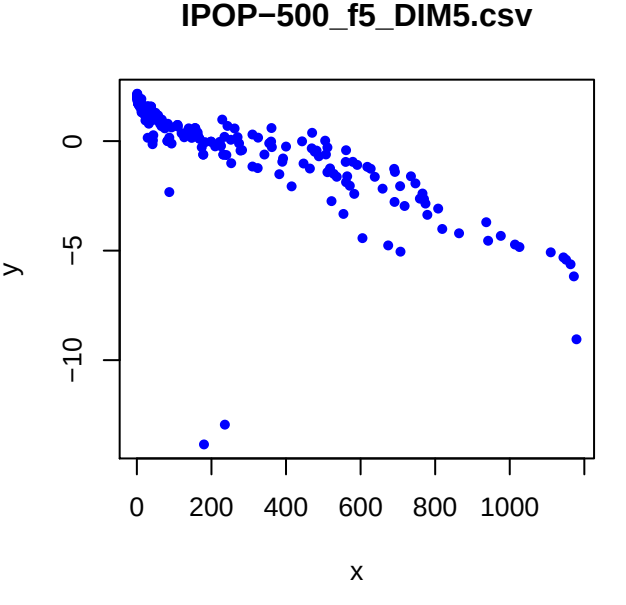
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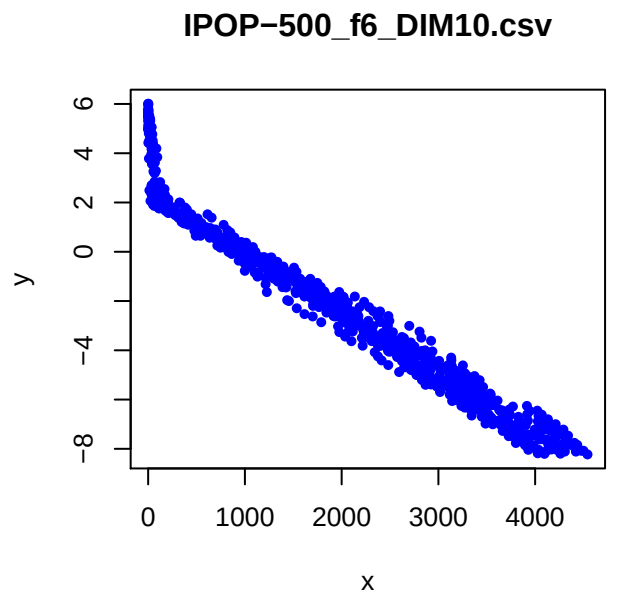
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2
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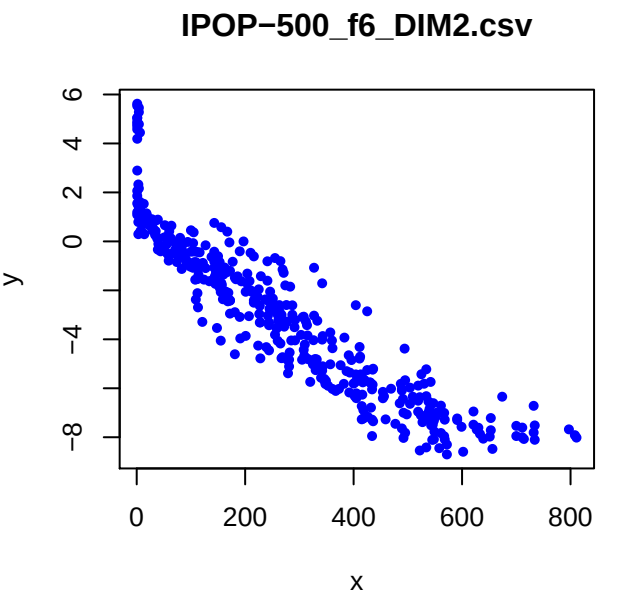
4000
x


IPOP−500_f6_DIM2.csv
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2
0
−4
−8
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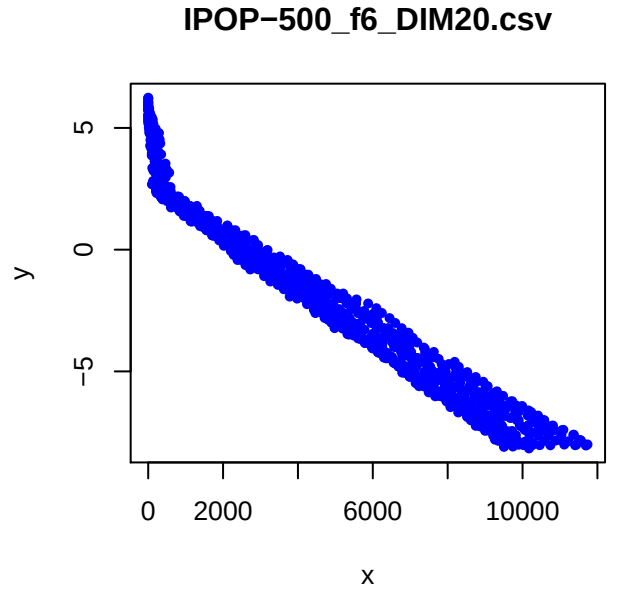
400
600
800
x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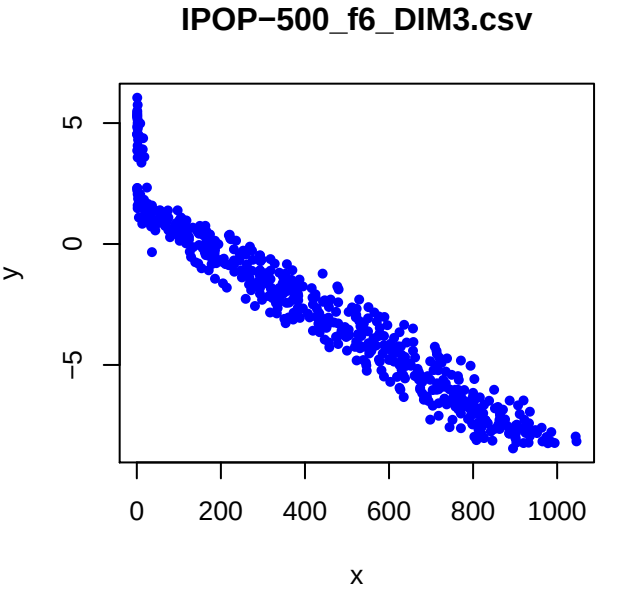
10000
x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600
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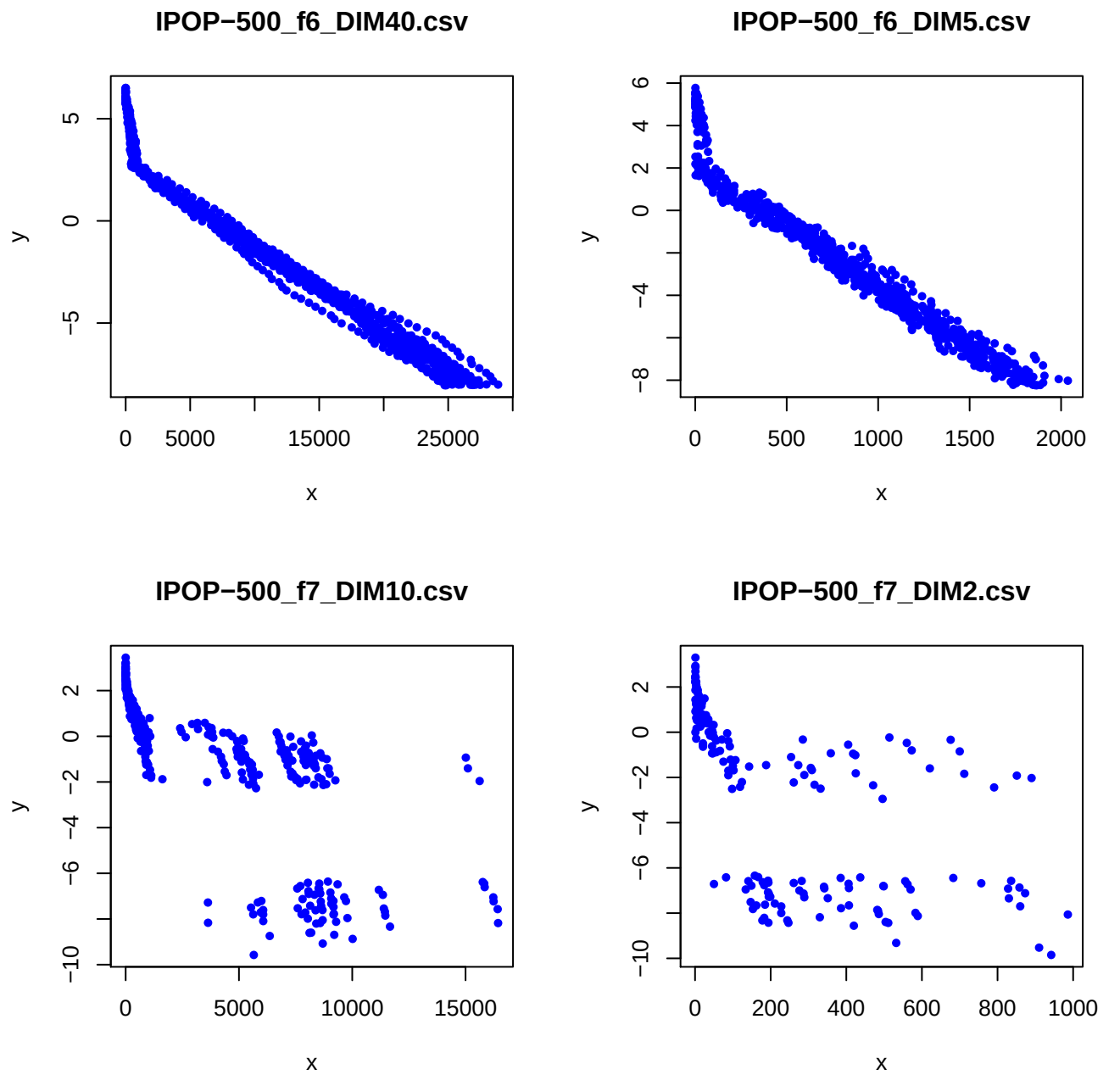
1000
x


IPOP−500_f6_DIM40.csv
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5000
15000
25000
x
IPOP−500_f6_DIM5.csv
y
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−4
−8
0
500
1000
1500
2000
x
IPOP−500_f7_DIM10.csv
y
2
0
−2
−4
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15000
x
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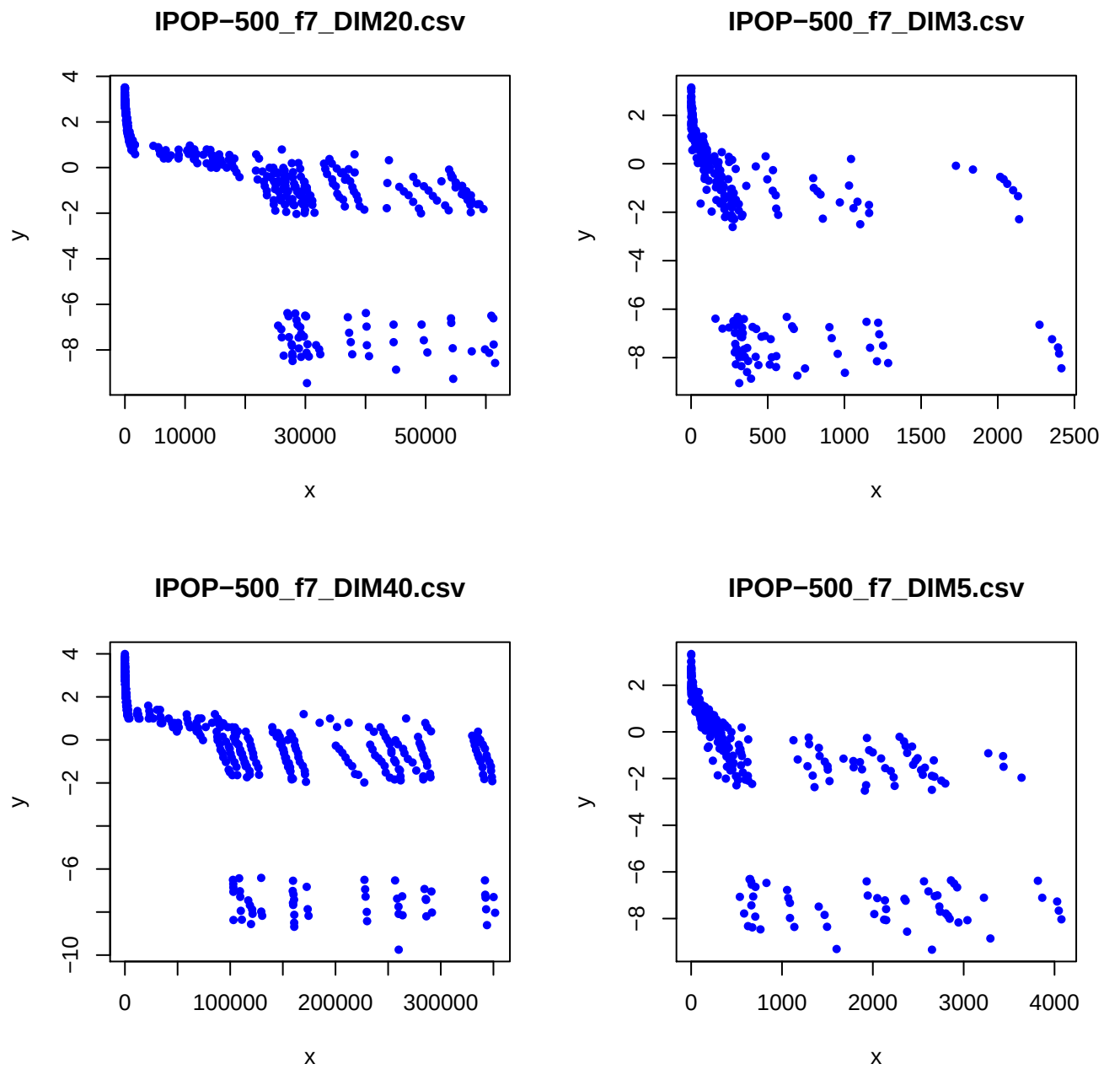
600
800
1000
x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y
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2500
IPOP−500_f7_DIM40.csv
y
x
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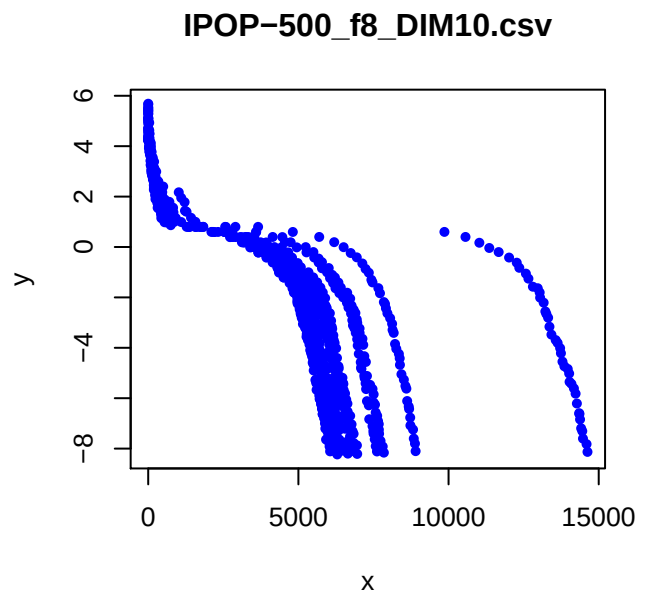
IPOP−500_f8_DIM10.csv
y
x
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4
2
0
−4
−8
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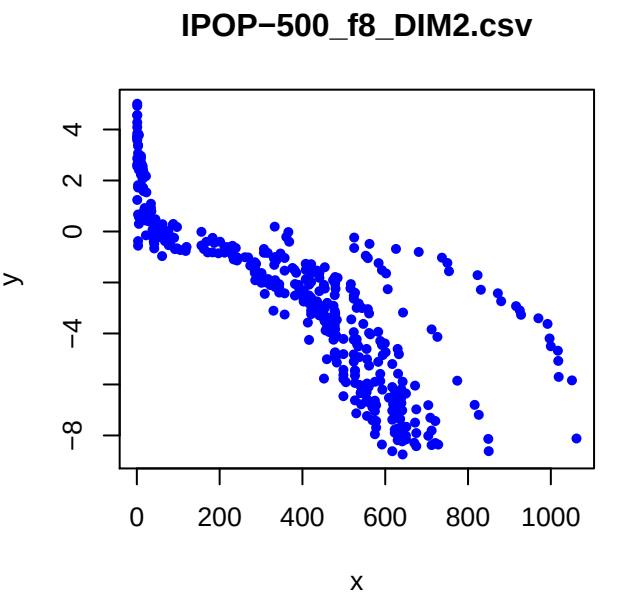
10000
15000


IPOP−500_f8_DIM2.csv
y
x
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2
0
−4
−8
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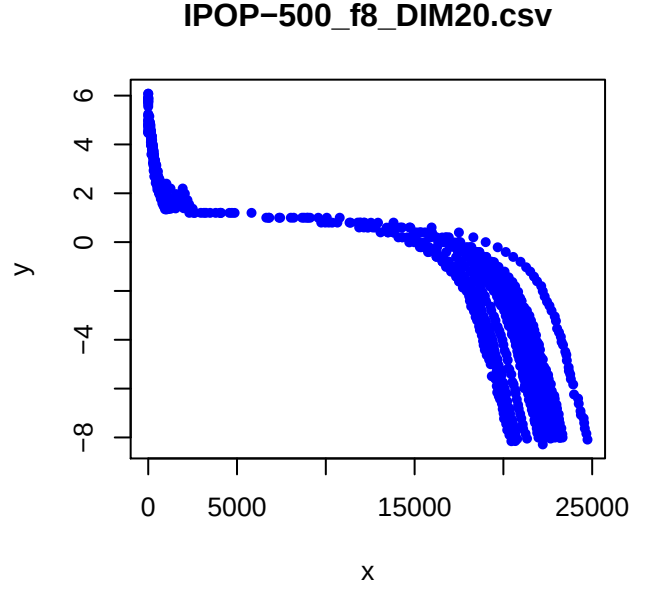
400
600
800
1000


IPOP−500_f8_DIM20.csv
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x
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−4
−8
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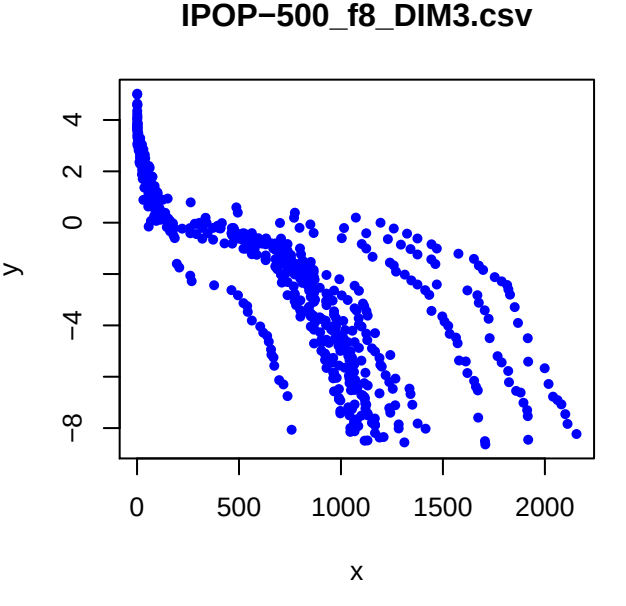
5000
15000
25000


IPOP−500_f8_DIM3.csv
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x
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0
−4
−8
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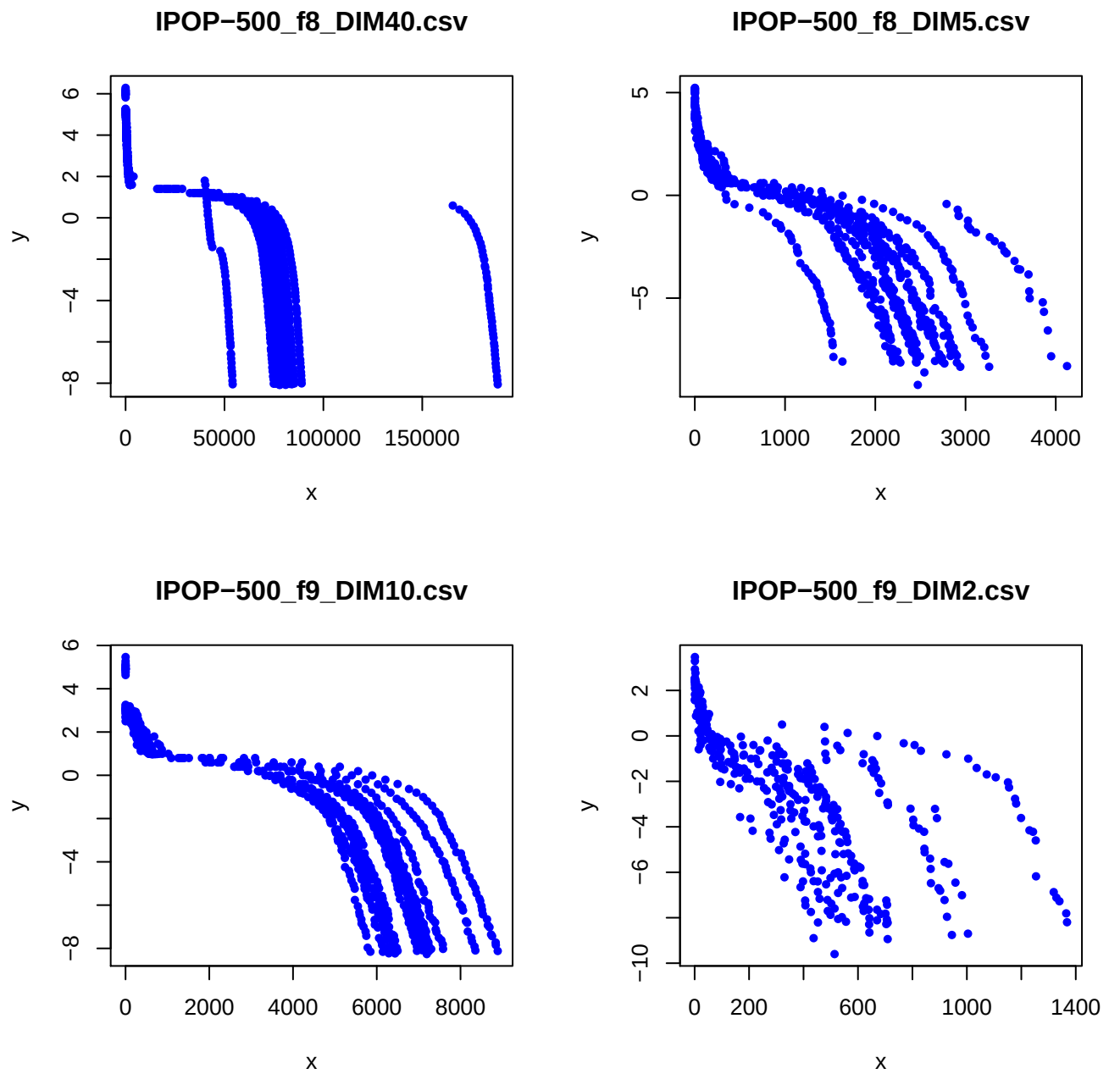
500
1000
1500
2000


IPOP−500_f8_DIM40.csv
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x
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4
2
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−4
−8
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50000
100000
150000
IPOP−500_f8_DIM5.csv
y
x
5
0
−5
0
1000
2000
3000
4000
IPOP−500_f9_DIM10.csv
y
x
6
4
2
0
−4
−8
0
2000
4000
6000
8000
IPOP−500_f9_DIM2.csv
y
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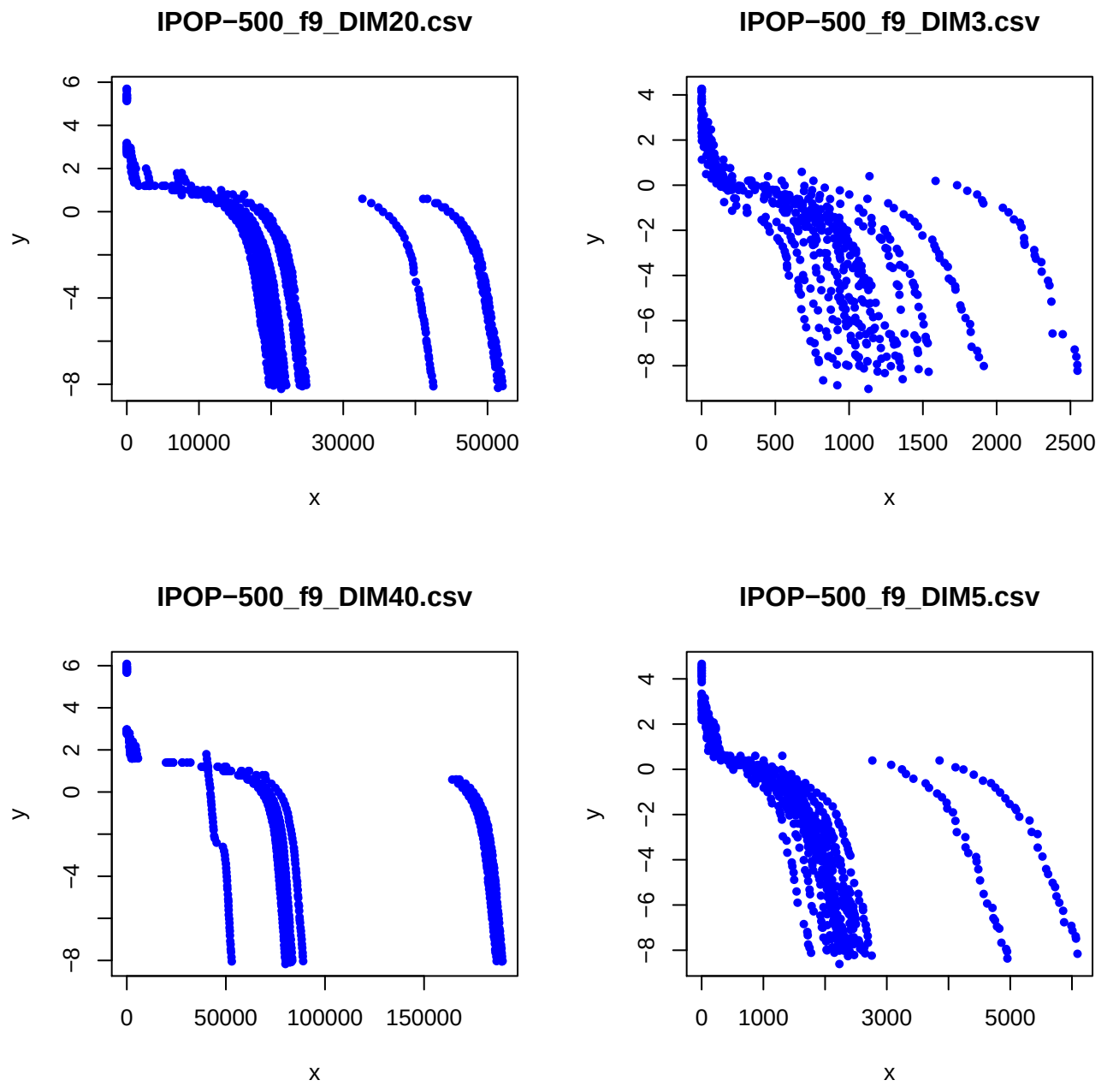
1000
1400


IPOP−500_f9_DIM20.csv
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x
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4
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0
−4
−8
0
10000
30000
50000
IPOP−500_f9_DIM3.csv
y
x
4
2
0
−2
−4
−6
−8
0
500
1000
1500
2000
2500
IPOP−500_f9_DIM40.csv
y
x
6
4
2
0
−4
−8
0
50000
100000
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IPOP−500_f9_DIM5.csv
y
x
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2
0
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−4
−6
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0
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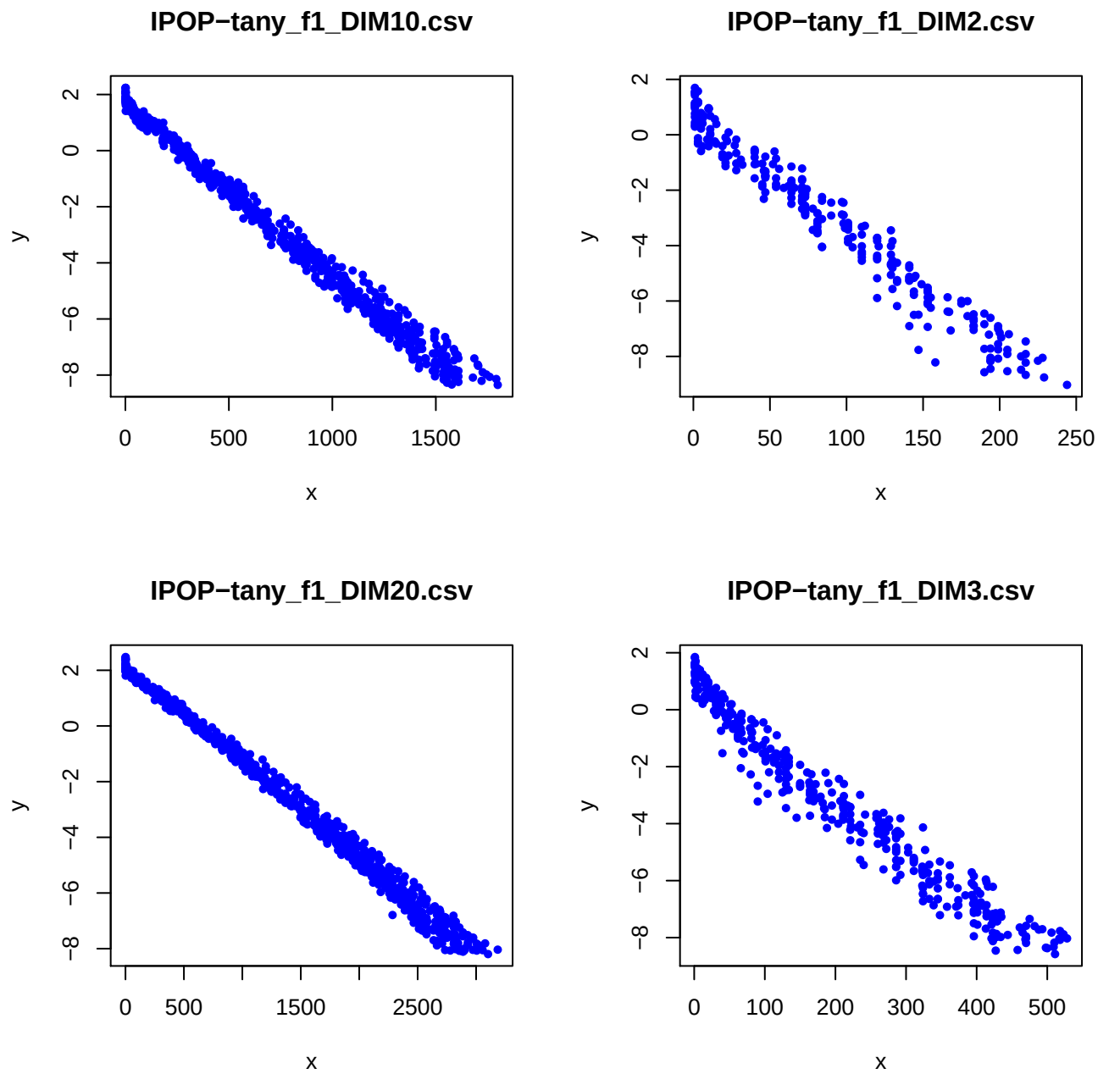
3000
5000


IPOP−tany_f1_DIM10.csv
y
x
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−2
−4
−6
−8
0
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1000
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IPOP−tany_f1_DIM2.csv
y
x
2
0
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−4
−6
−8
0
50
100
150
200
250
IPOP−tany_f1_DIM20.csv
y
x
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−2
−4
−6
−8
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2500
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400
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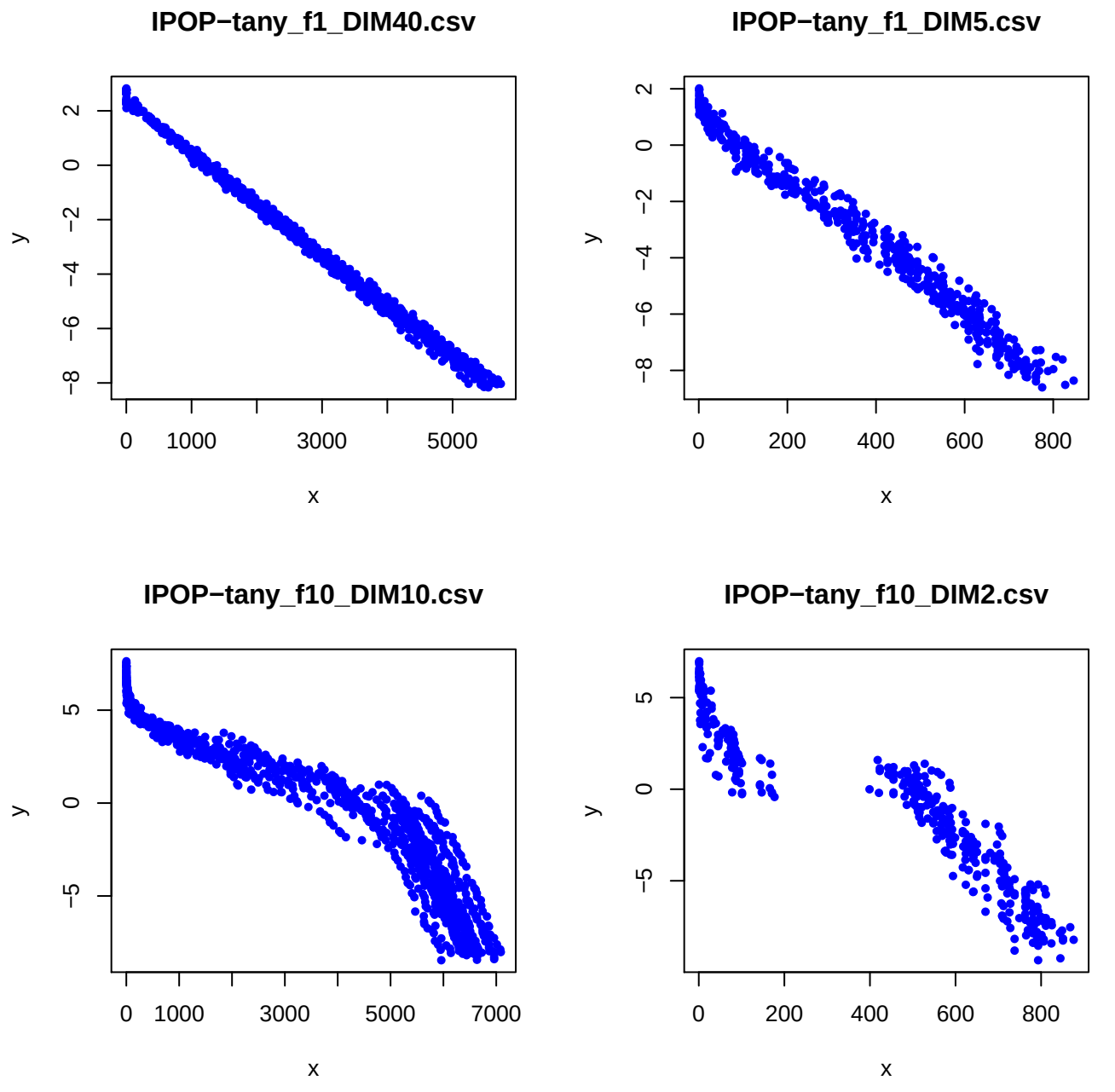
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5000
IPOP−tany_f1_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
200
400
600
800
IPOP−tany_f10_DIM10.csv
y
x
5
0
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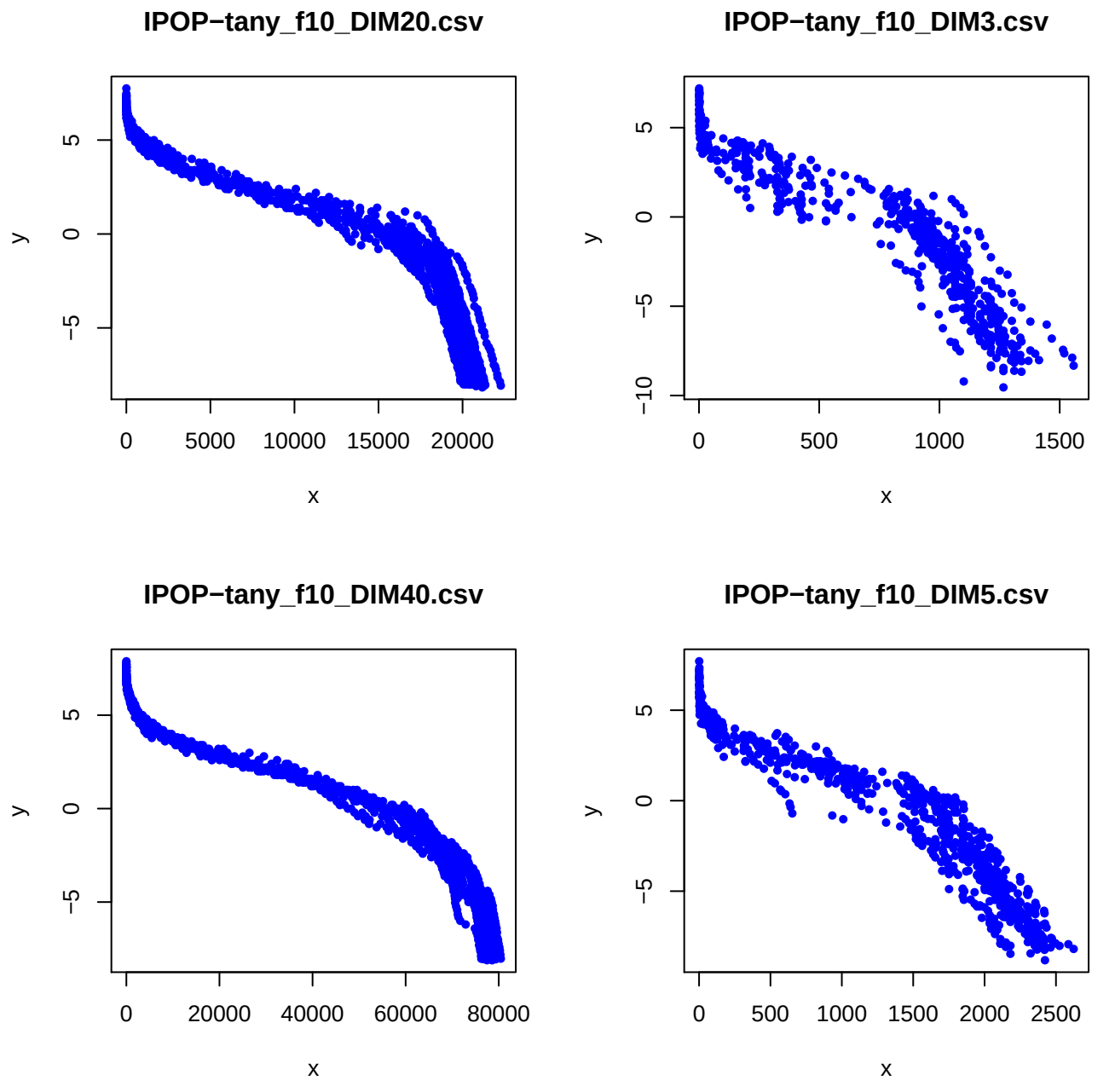
400
600
800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IPOP−tany_f10_DIM3.csv
y
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−5
−10
0
500
1000
1500
x
IPOP−tany_f10_DIM40.csv
y
5
0
−5
0
20000
40000
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1500
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2500
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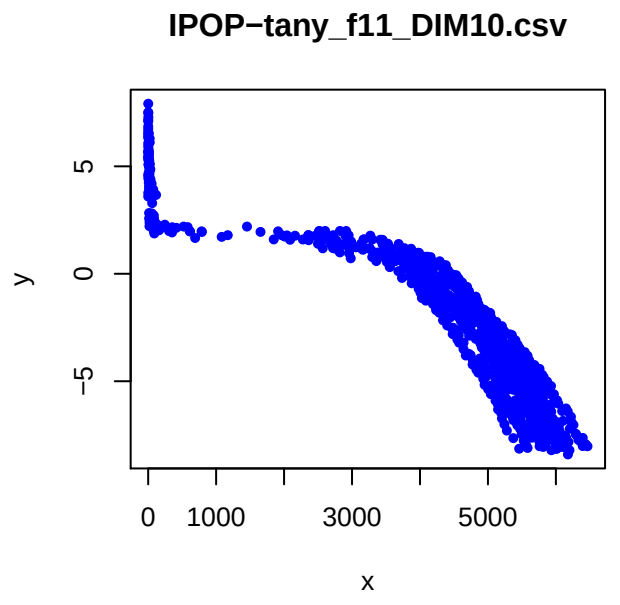
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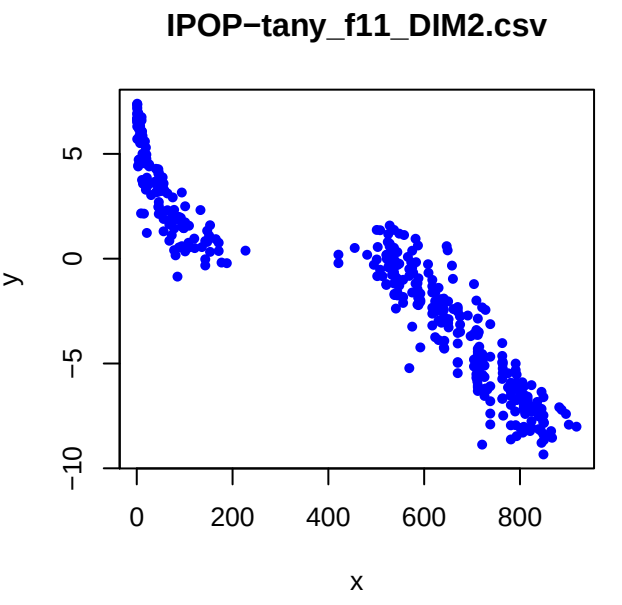
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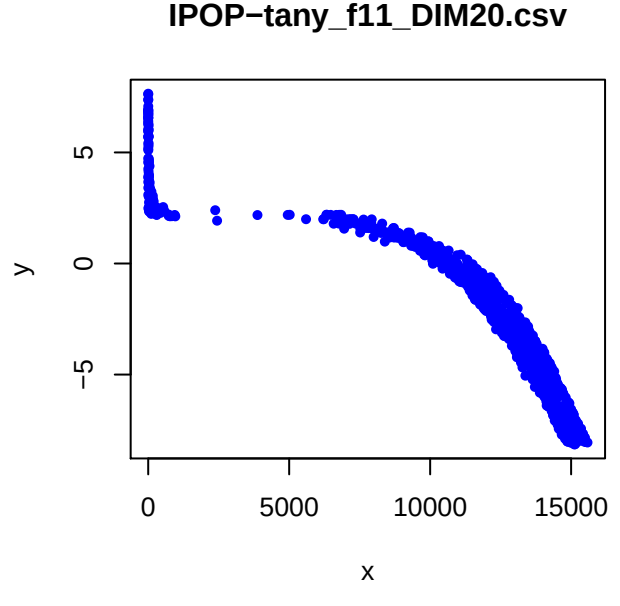
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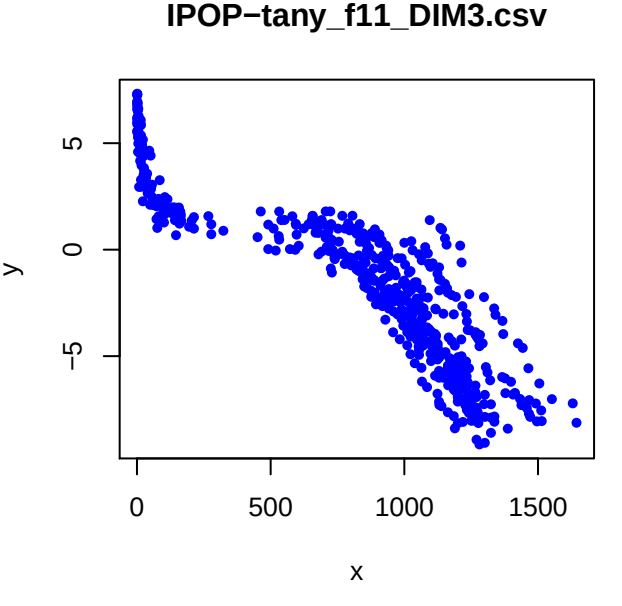
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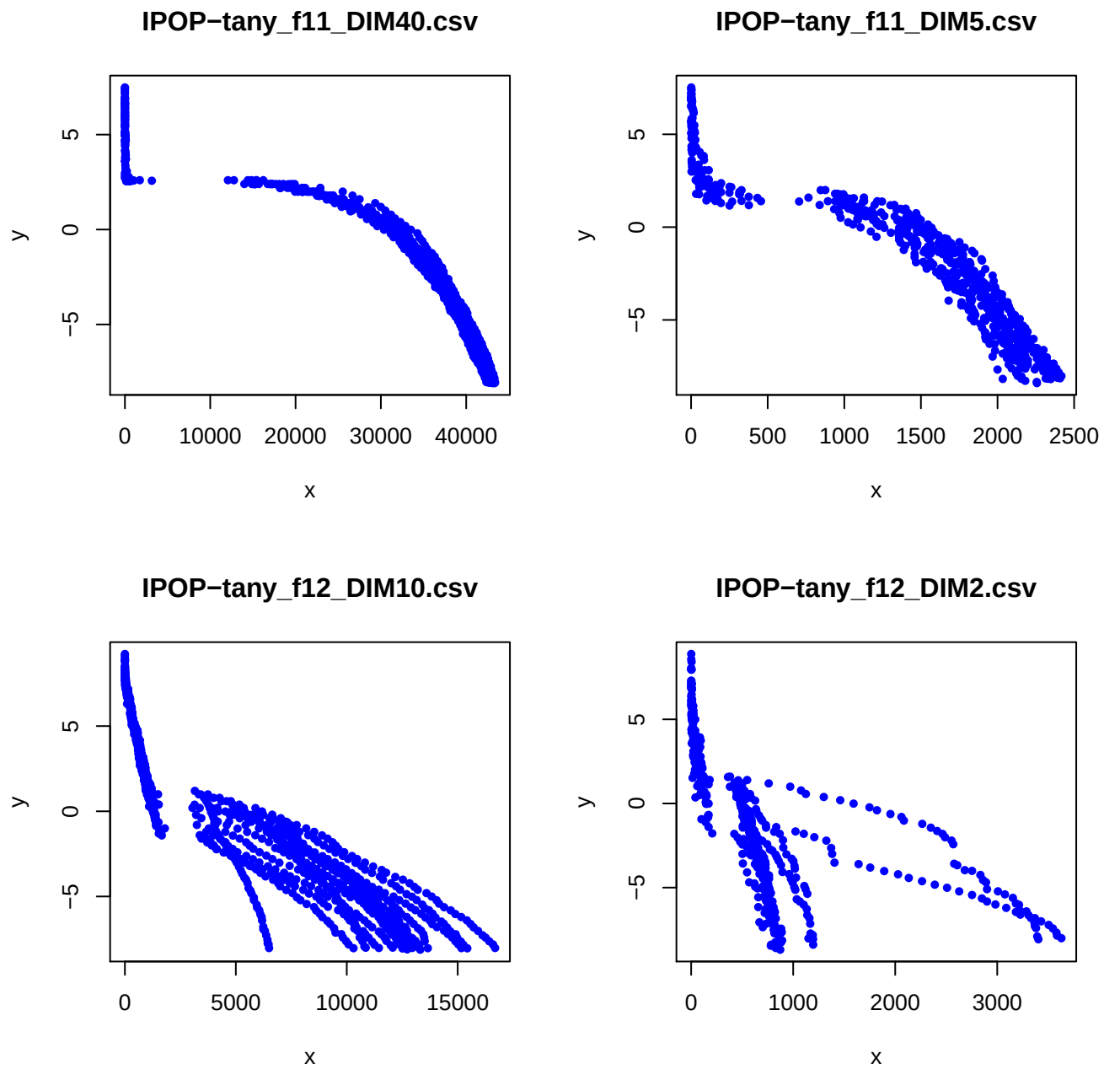
IPOP−tany_f11_DIM40.csv
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IPOP−tany_f11_DIM5.csv
y
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−5
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1000
1500
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2500
x
IPOP−tany_f12_DIM10.csv
y
5
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−5
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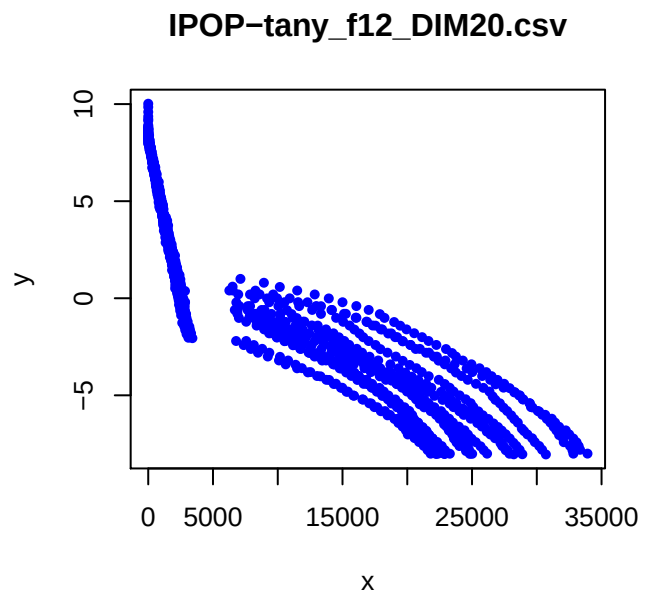
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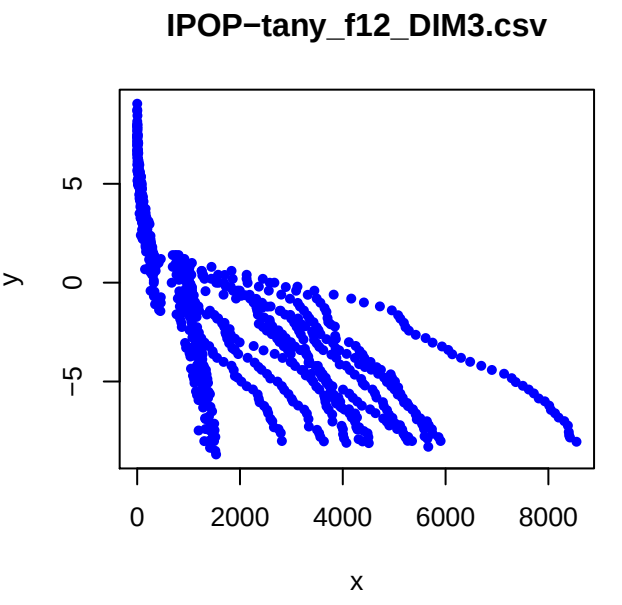
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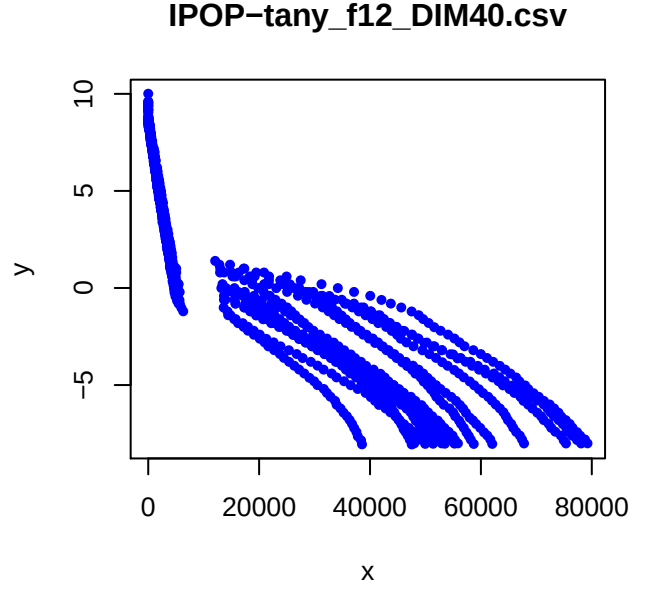
x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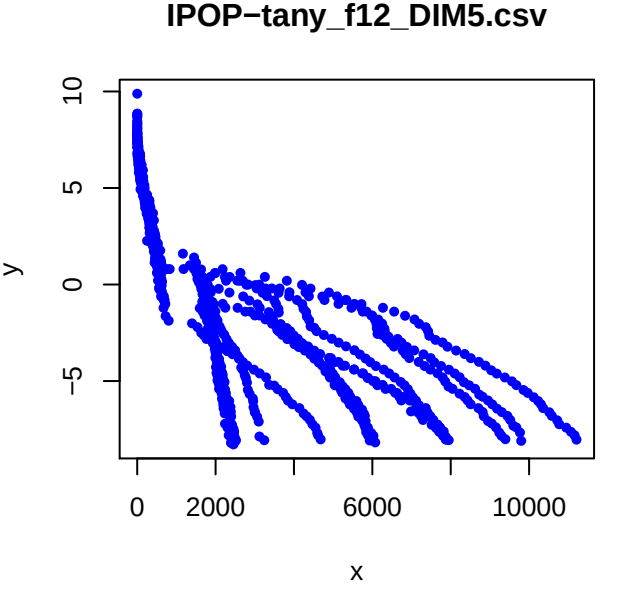
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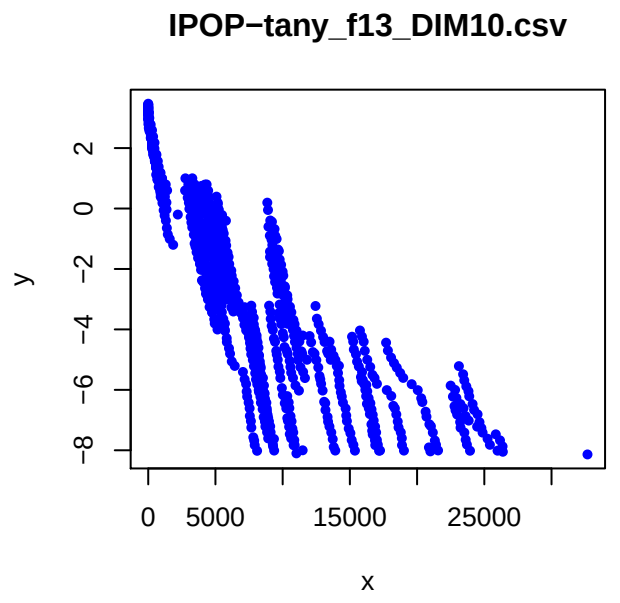
10000
x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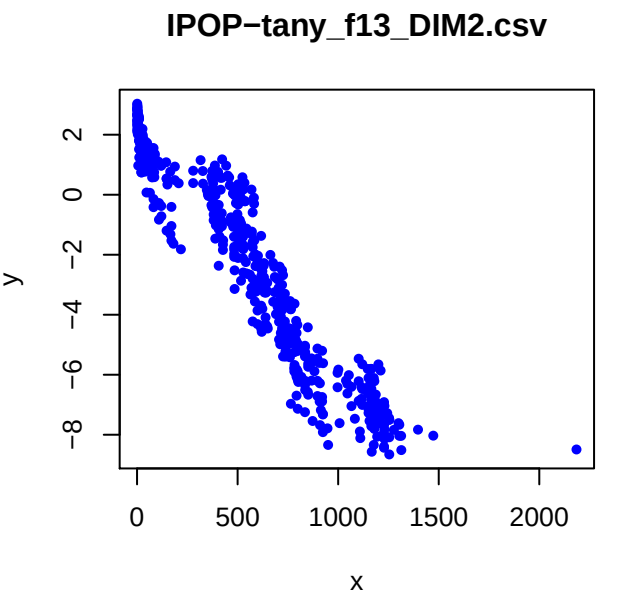
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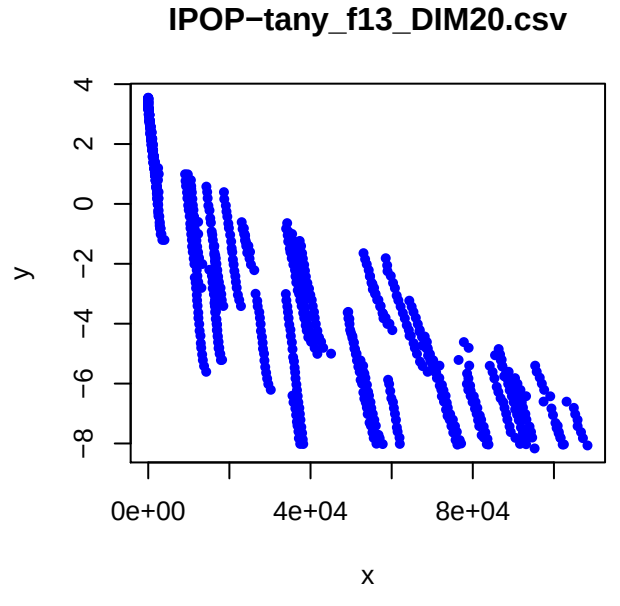
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x
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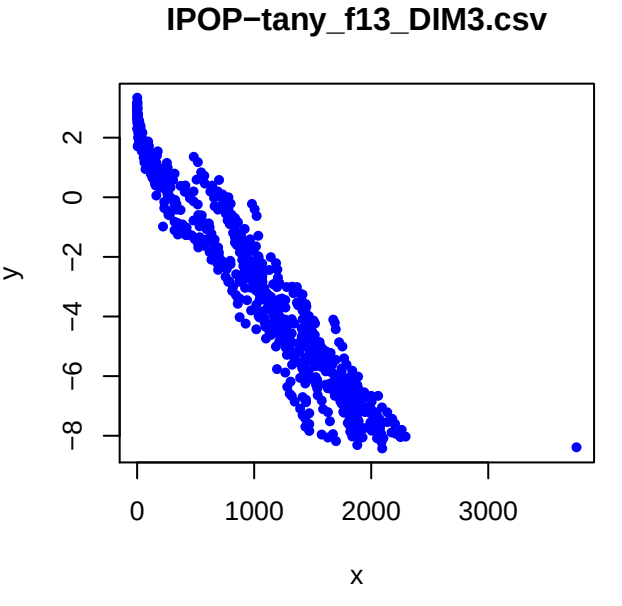
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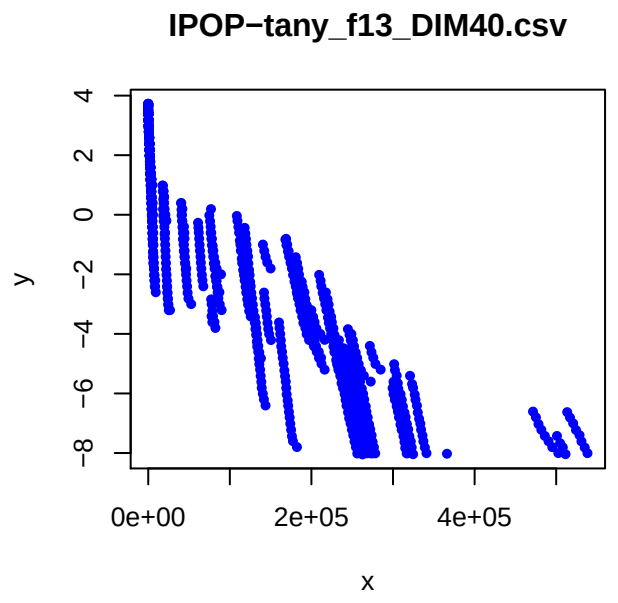
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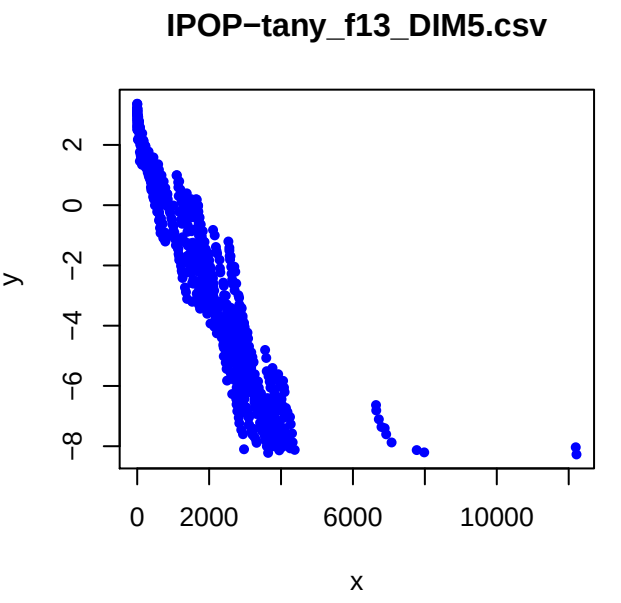
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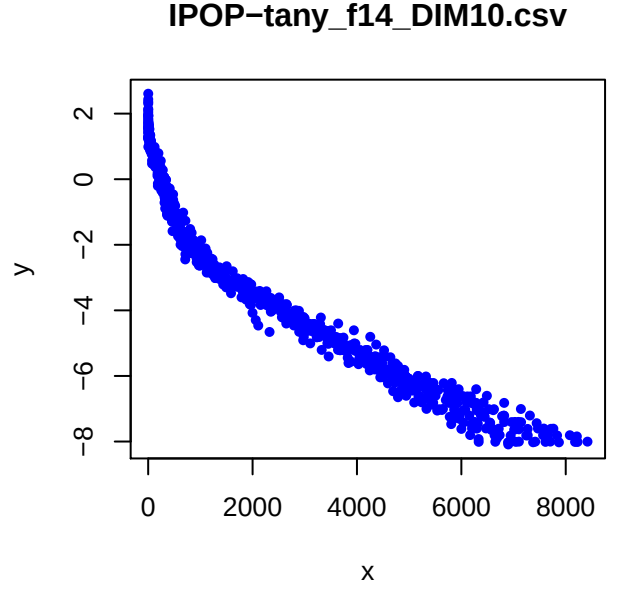
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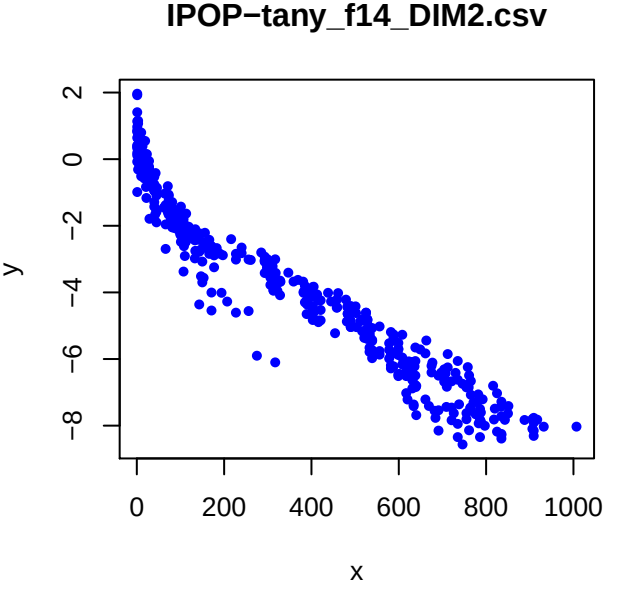
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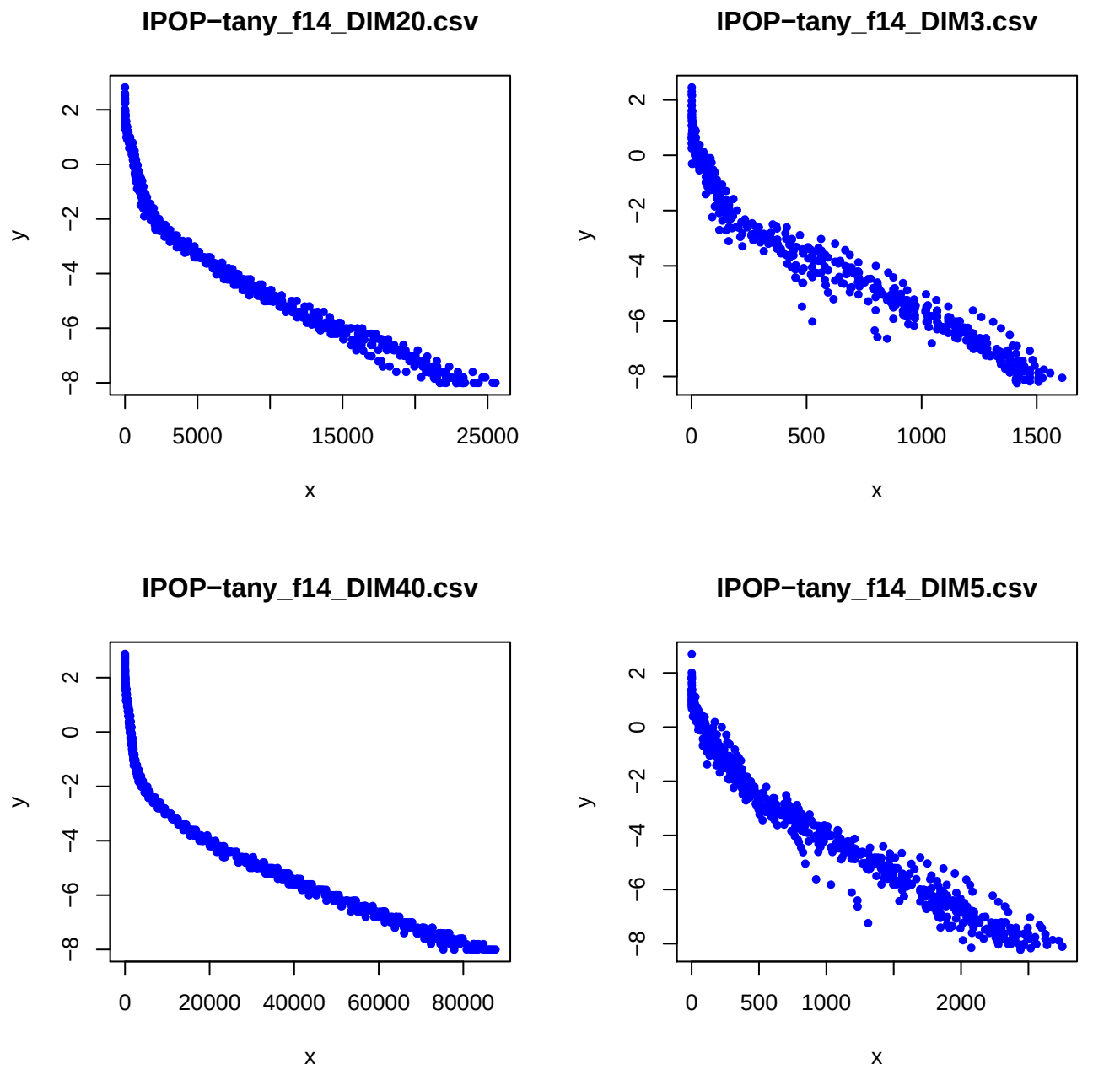
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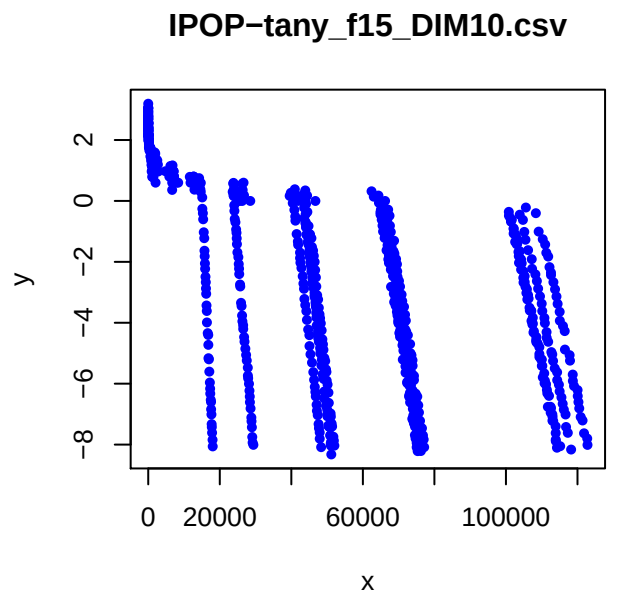
x
y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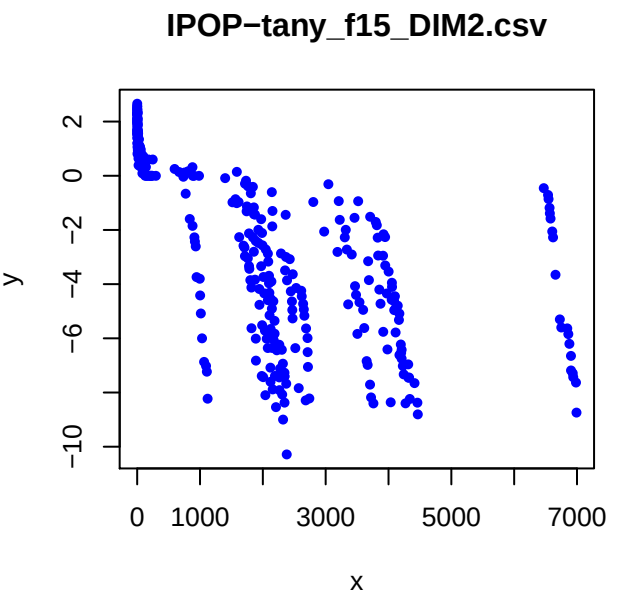
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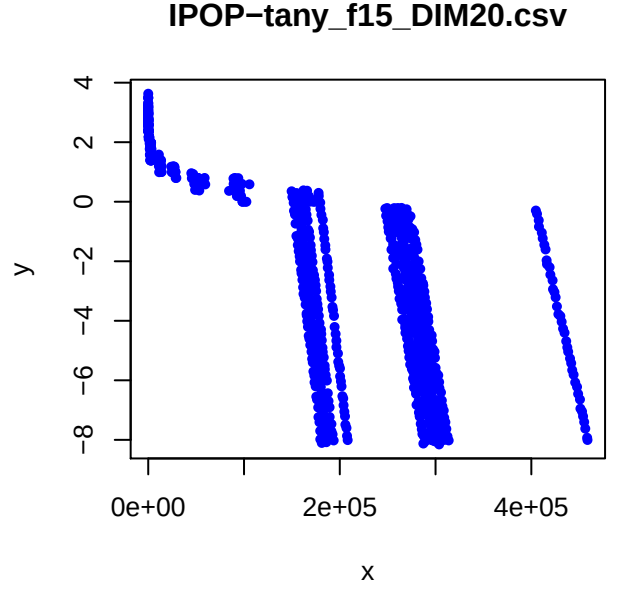
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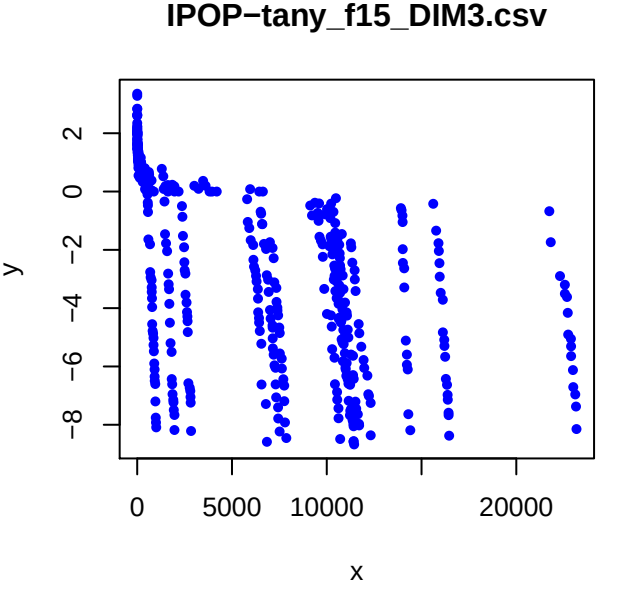
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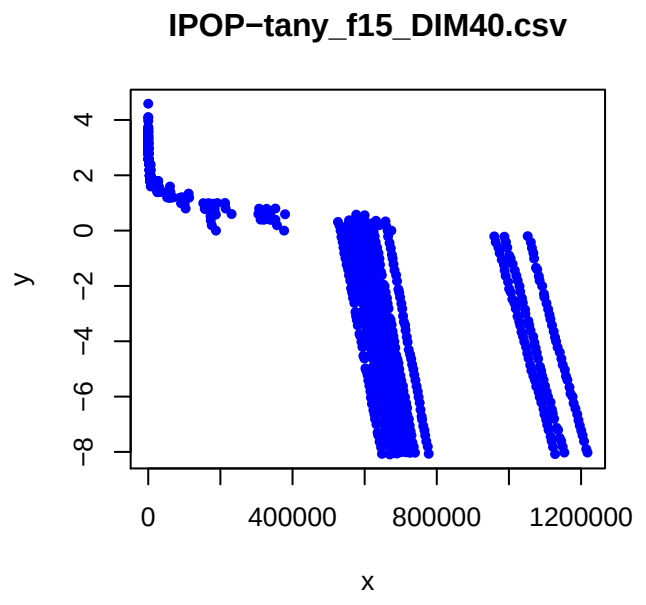
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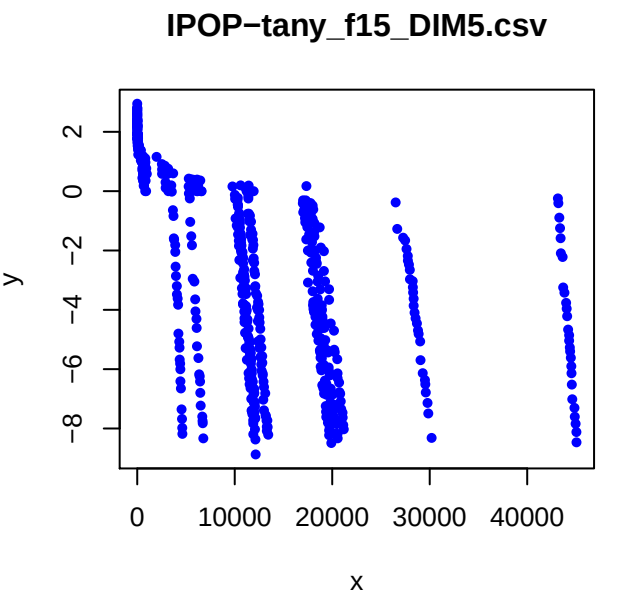
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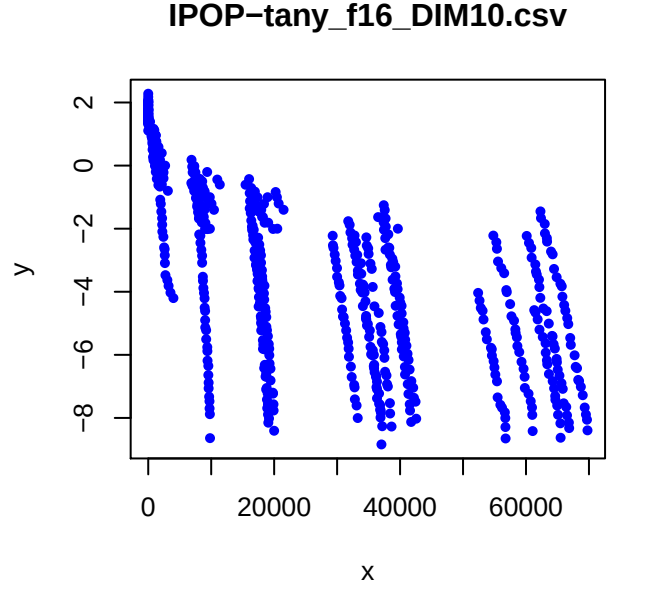
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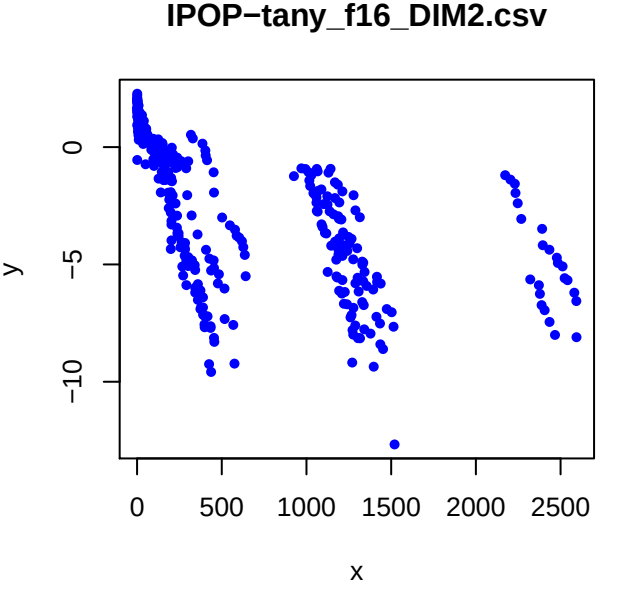
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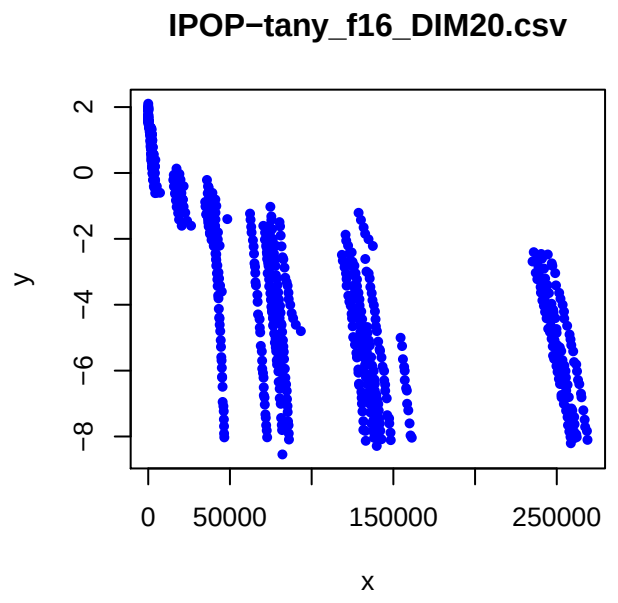
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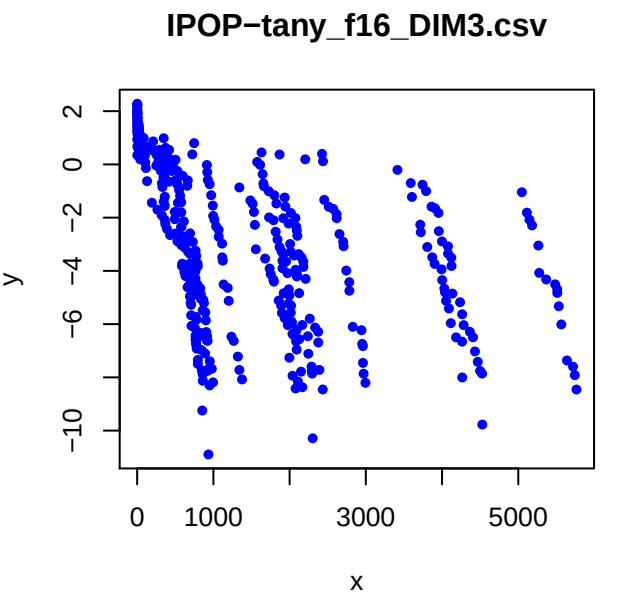
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5000
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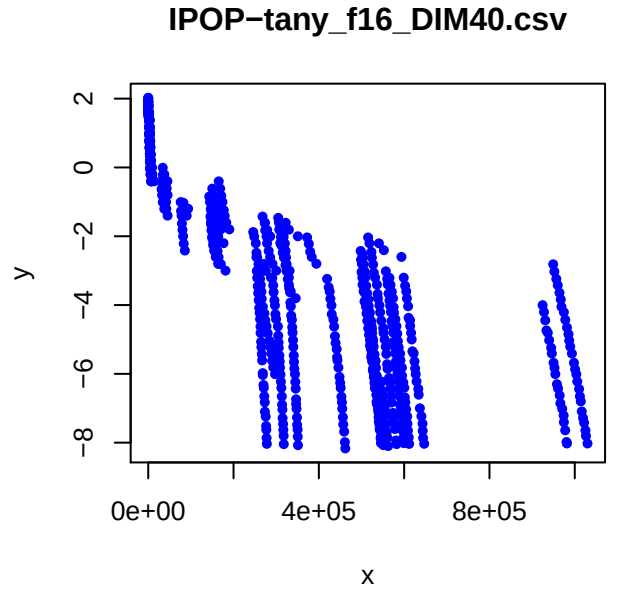
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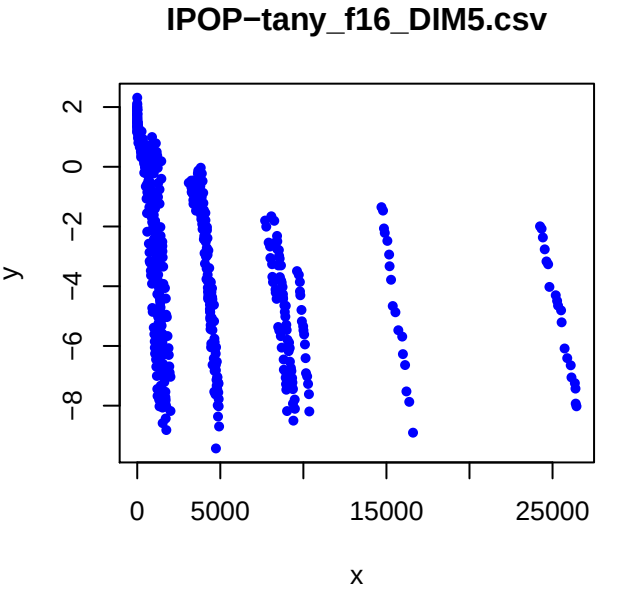
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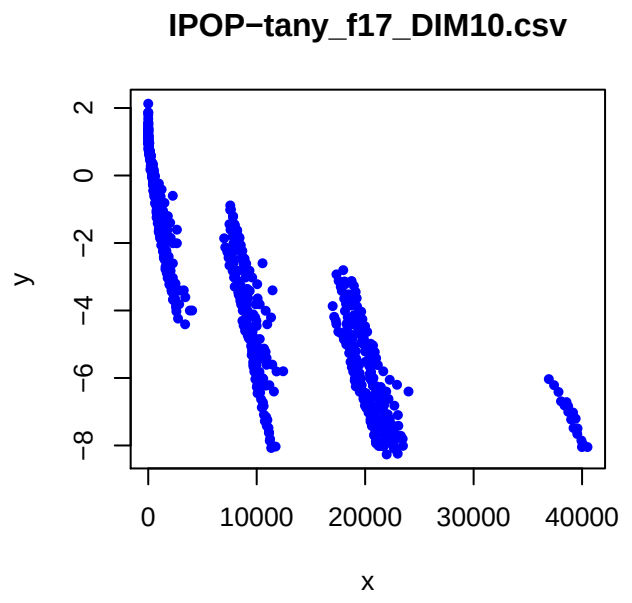
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40000
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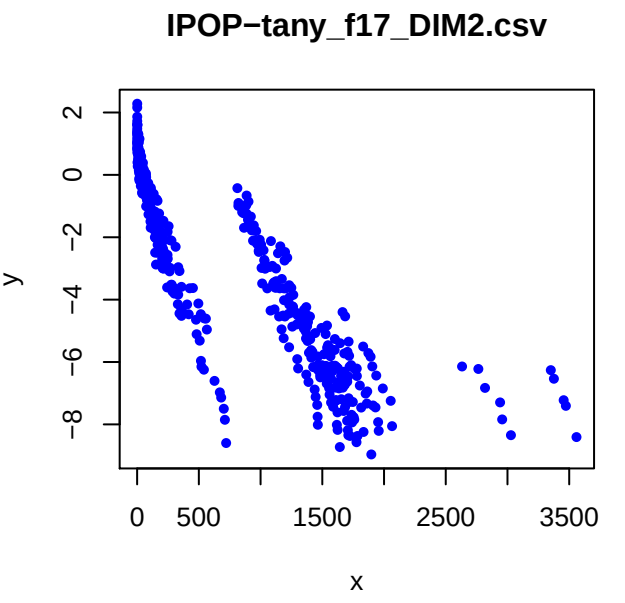
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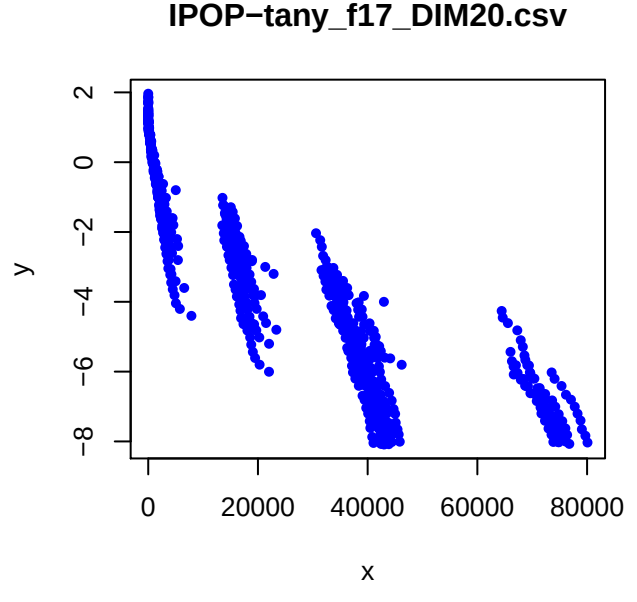
2500
3500
x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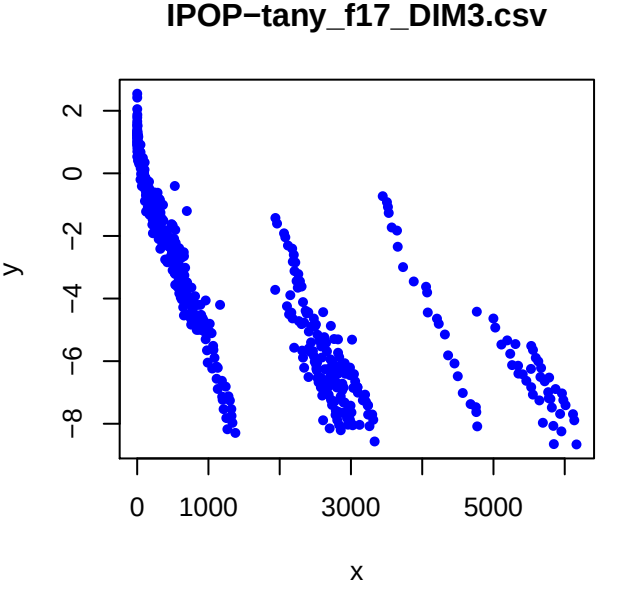
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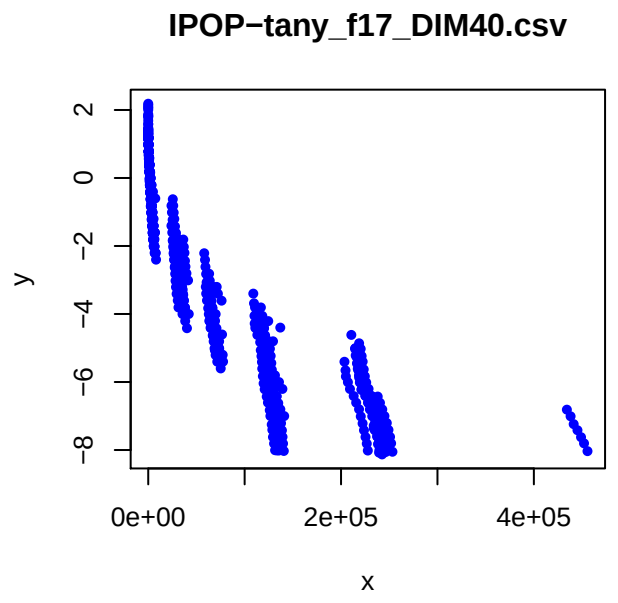
5000
x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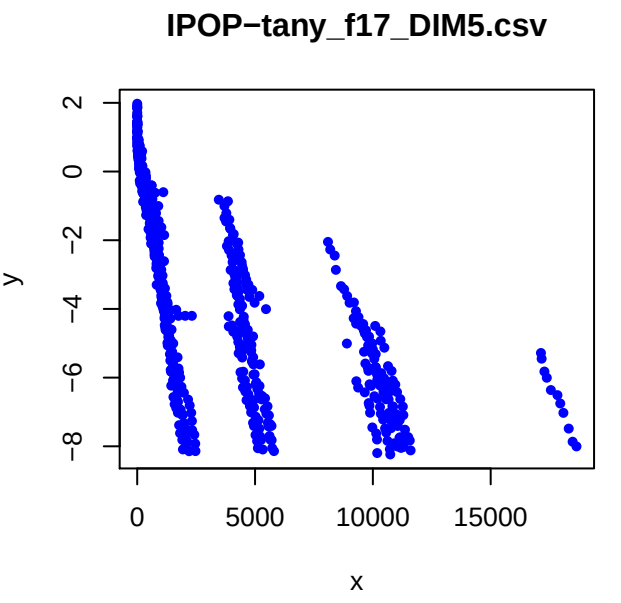
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x
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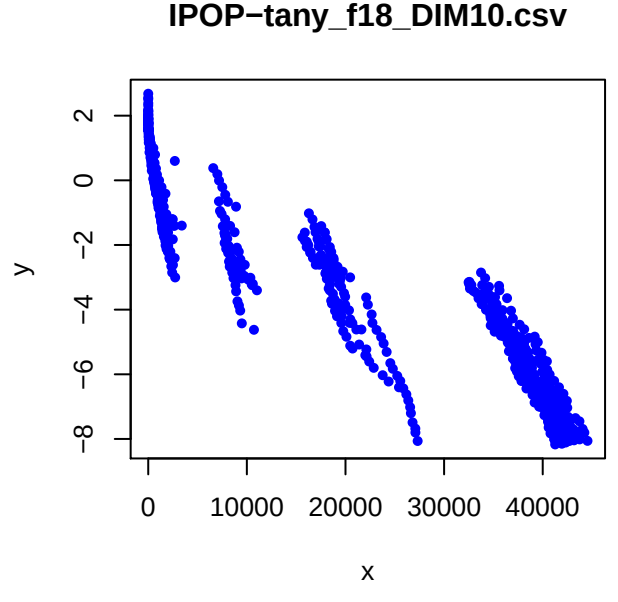
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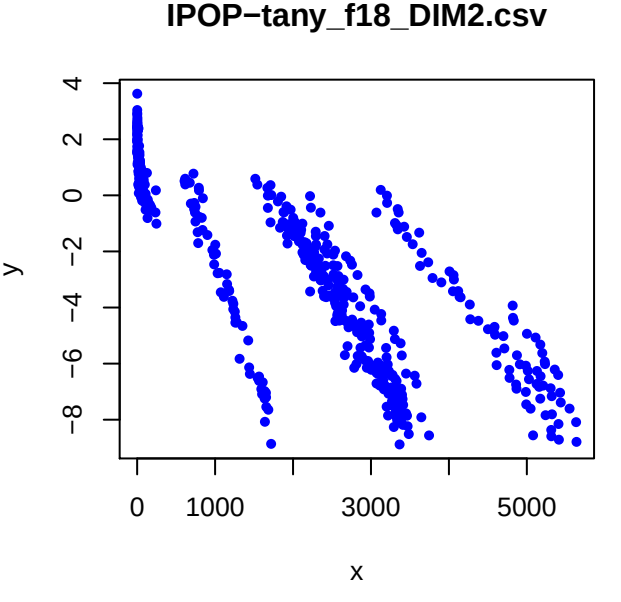
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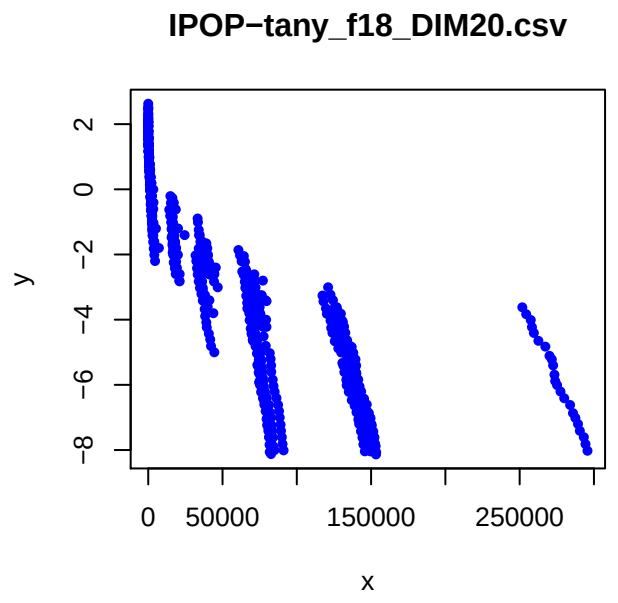
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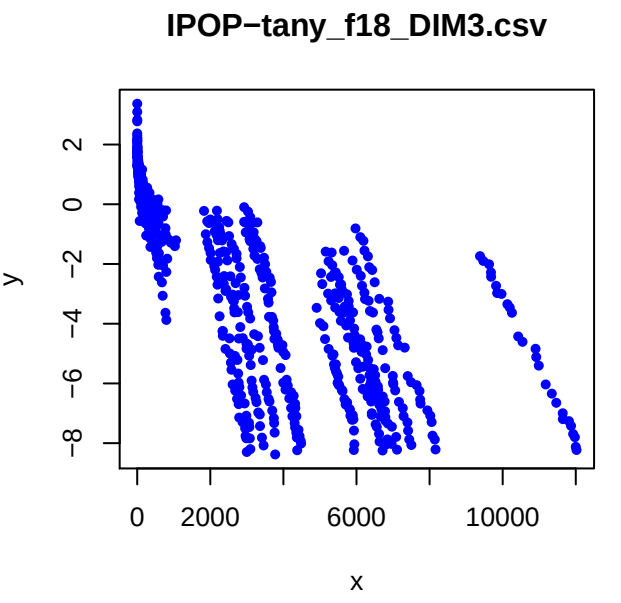
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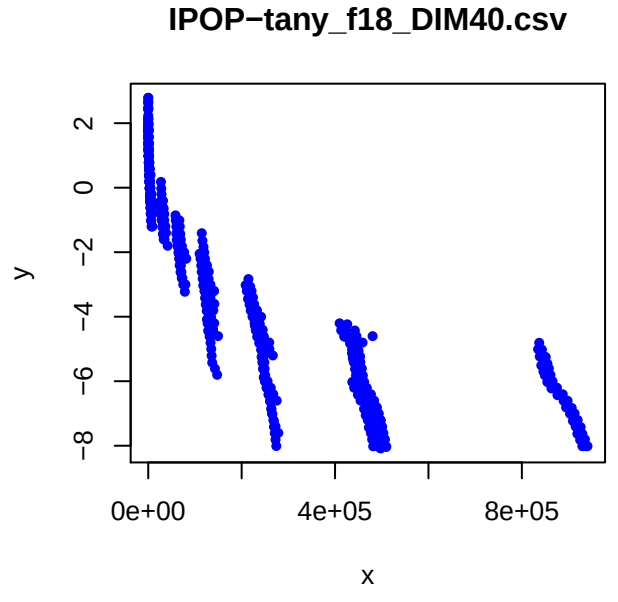
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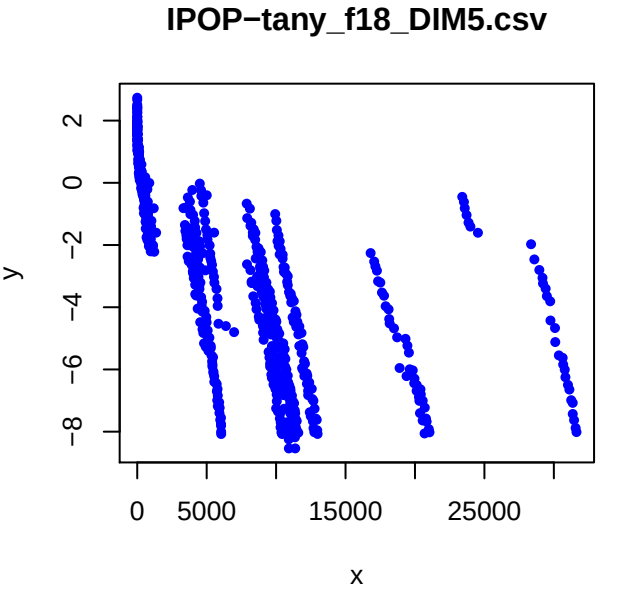
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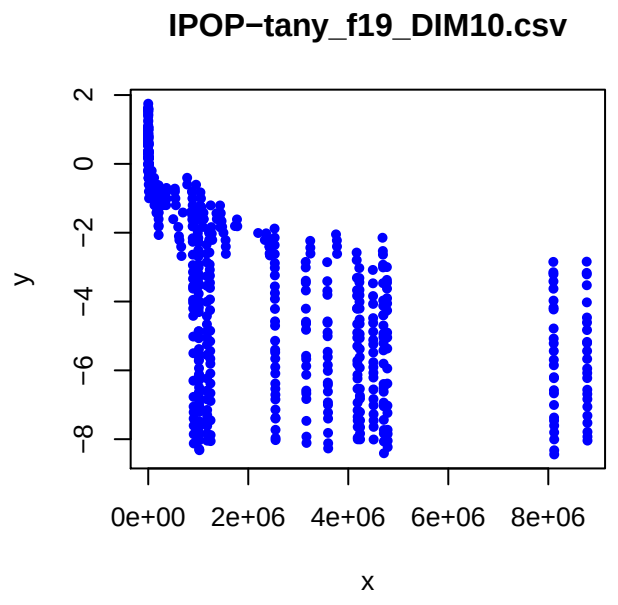
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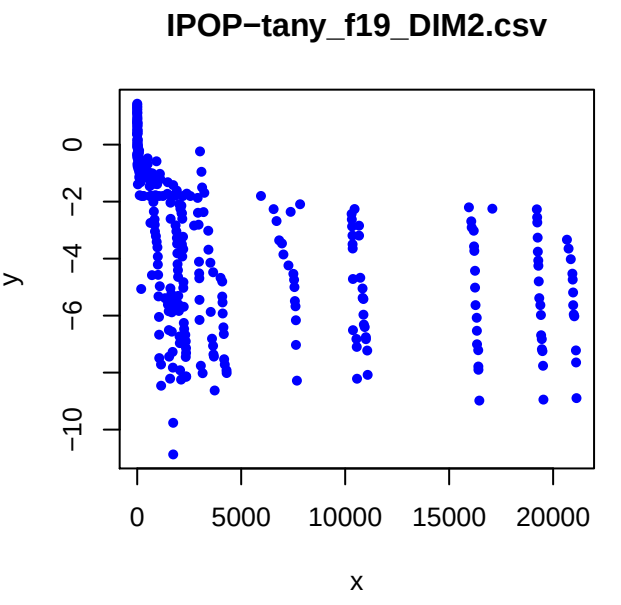
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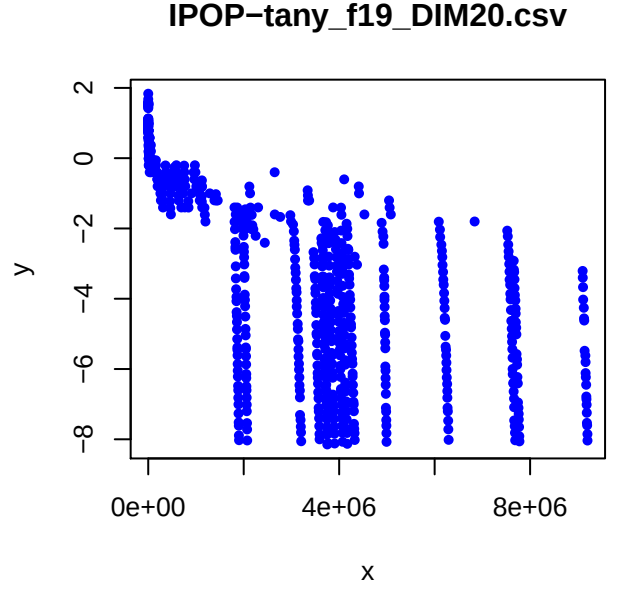
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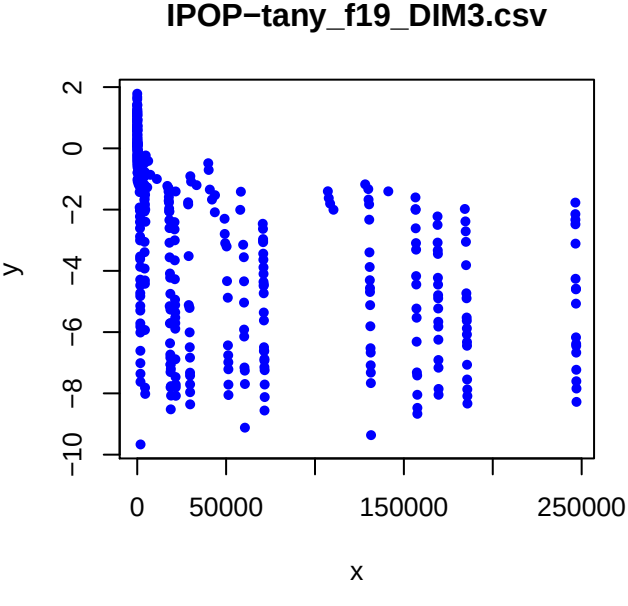
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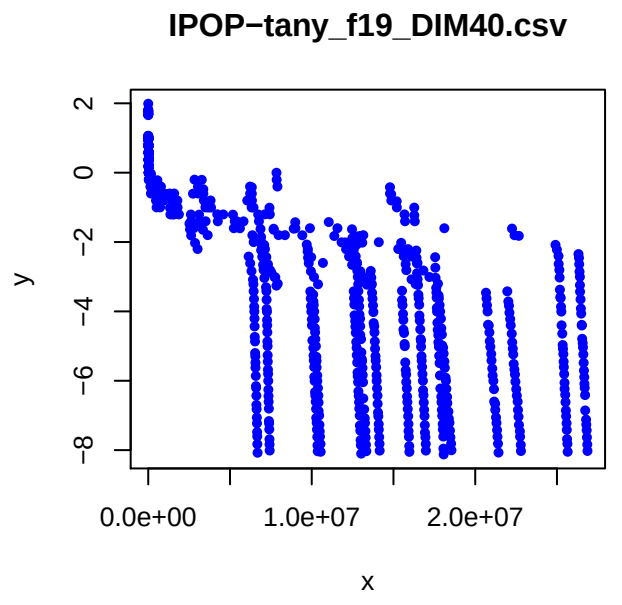
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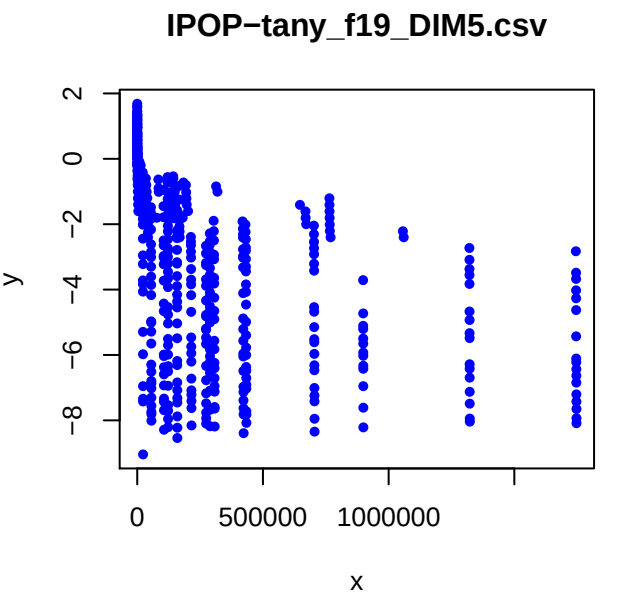
x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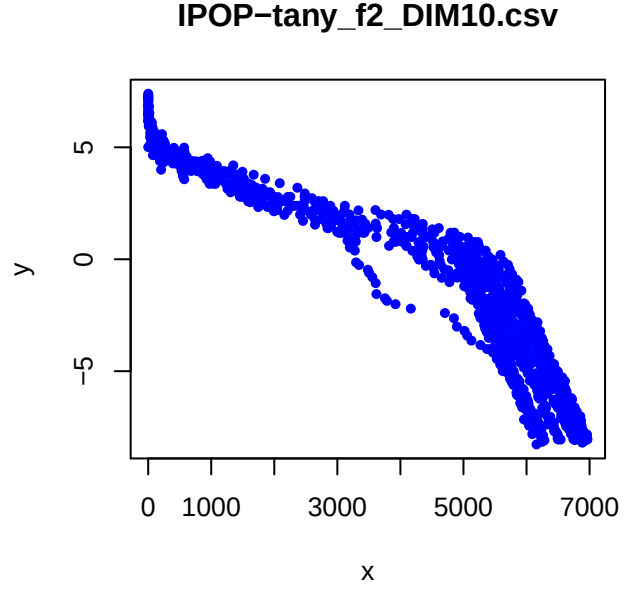
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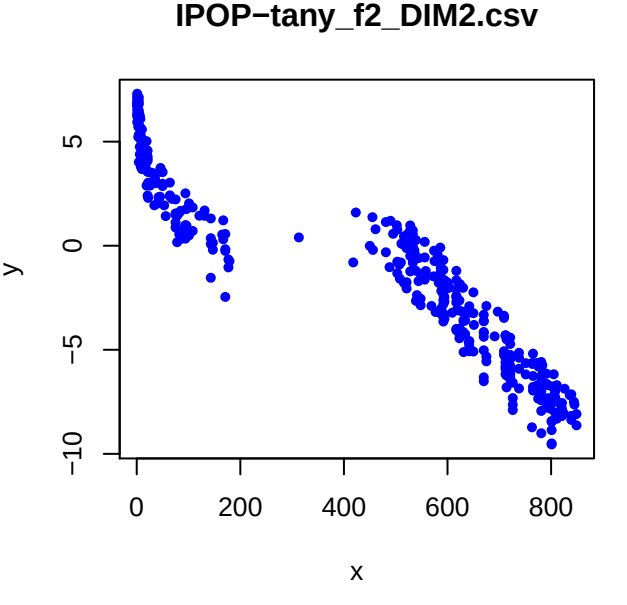
x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800
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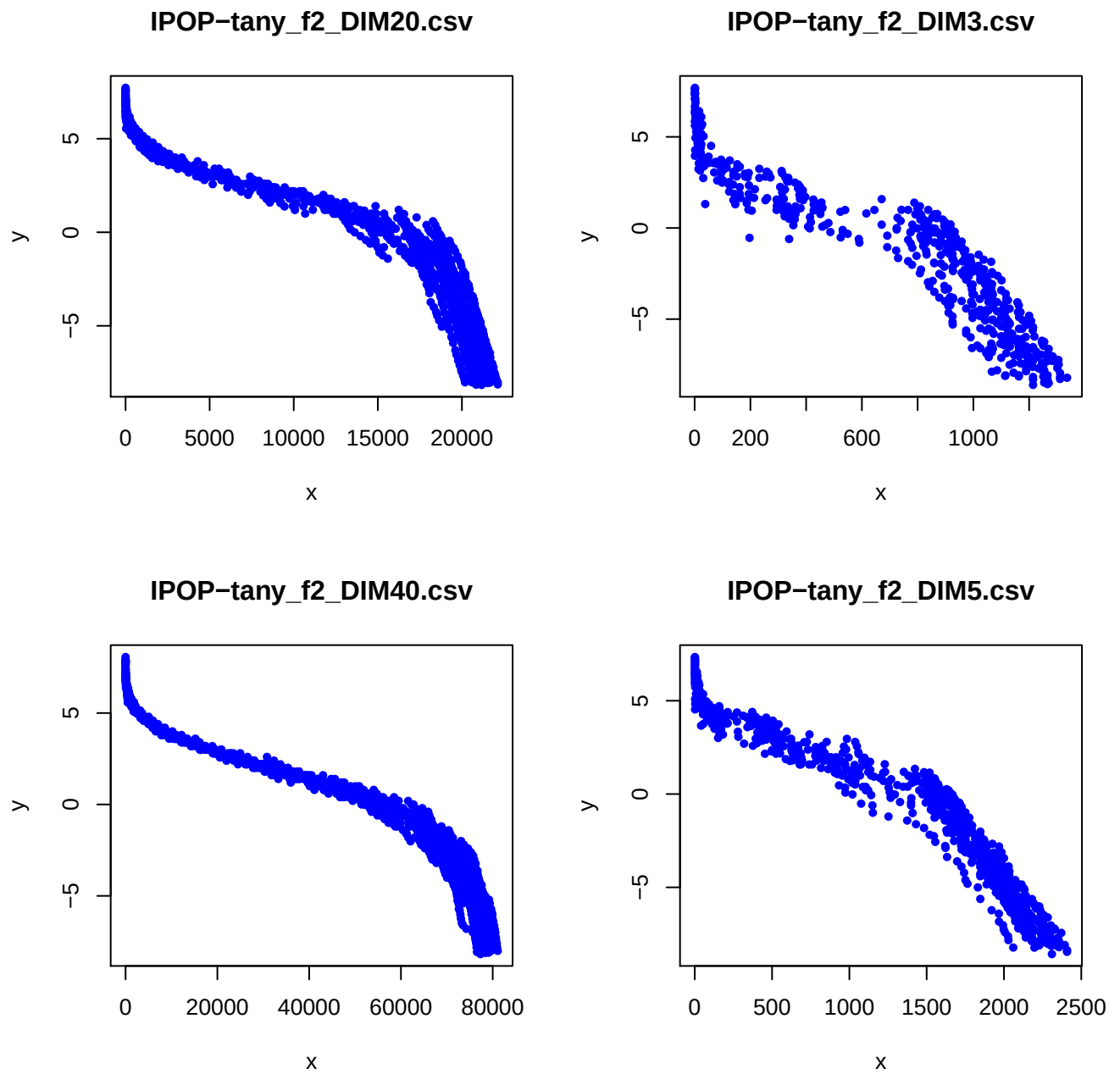
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1000
x
IPOP−tany_f2_DIM40.csv
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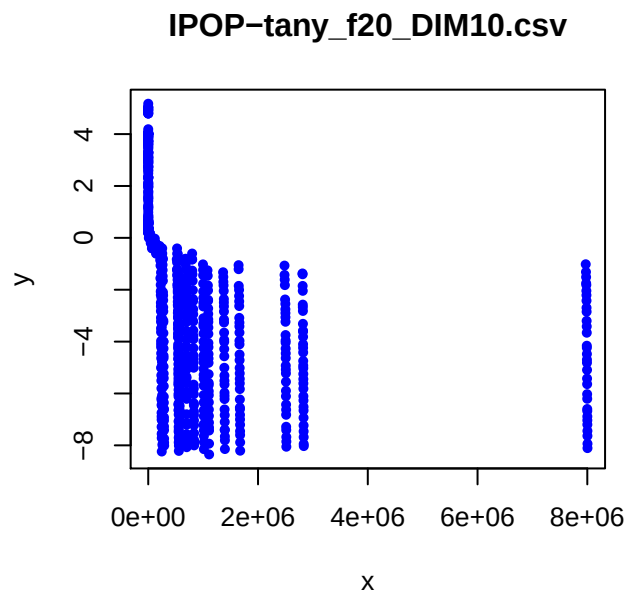
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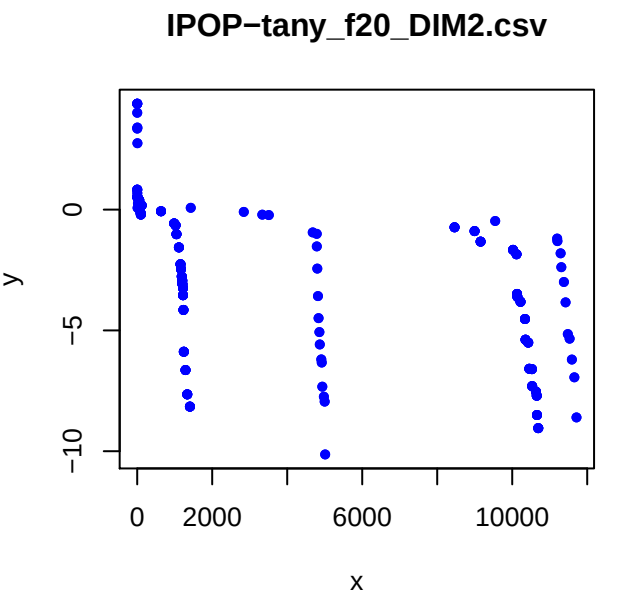
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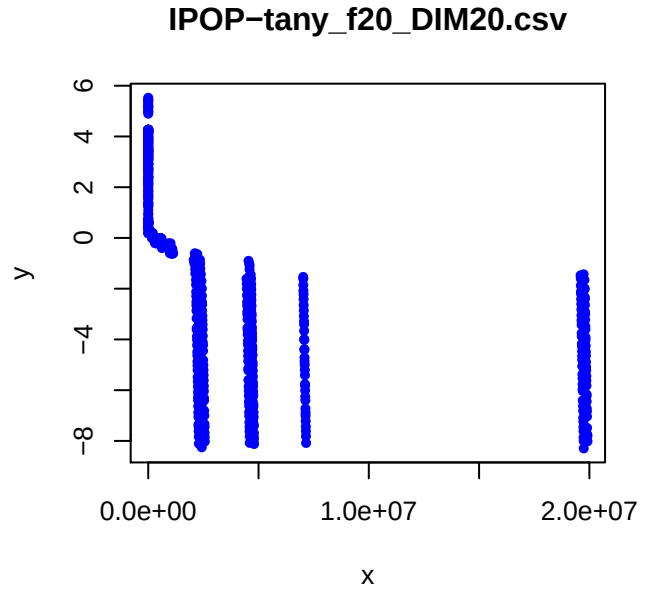
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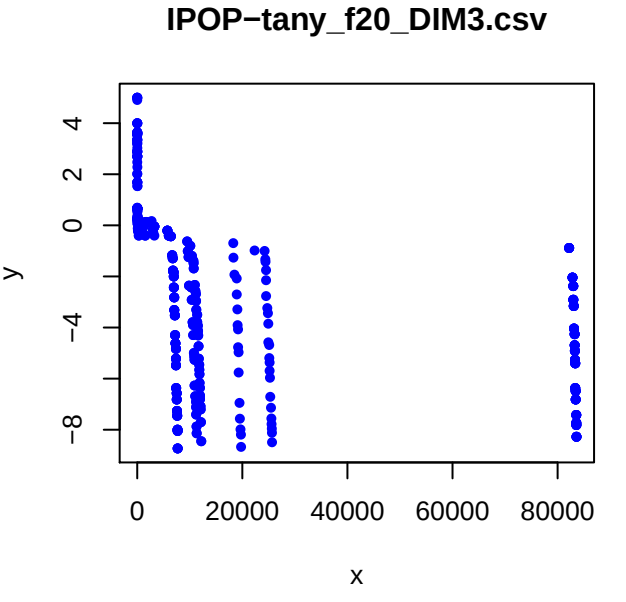
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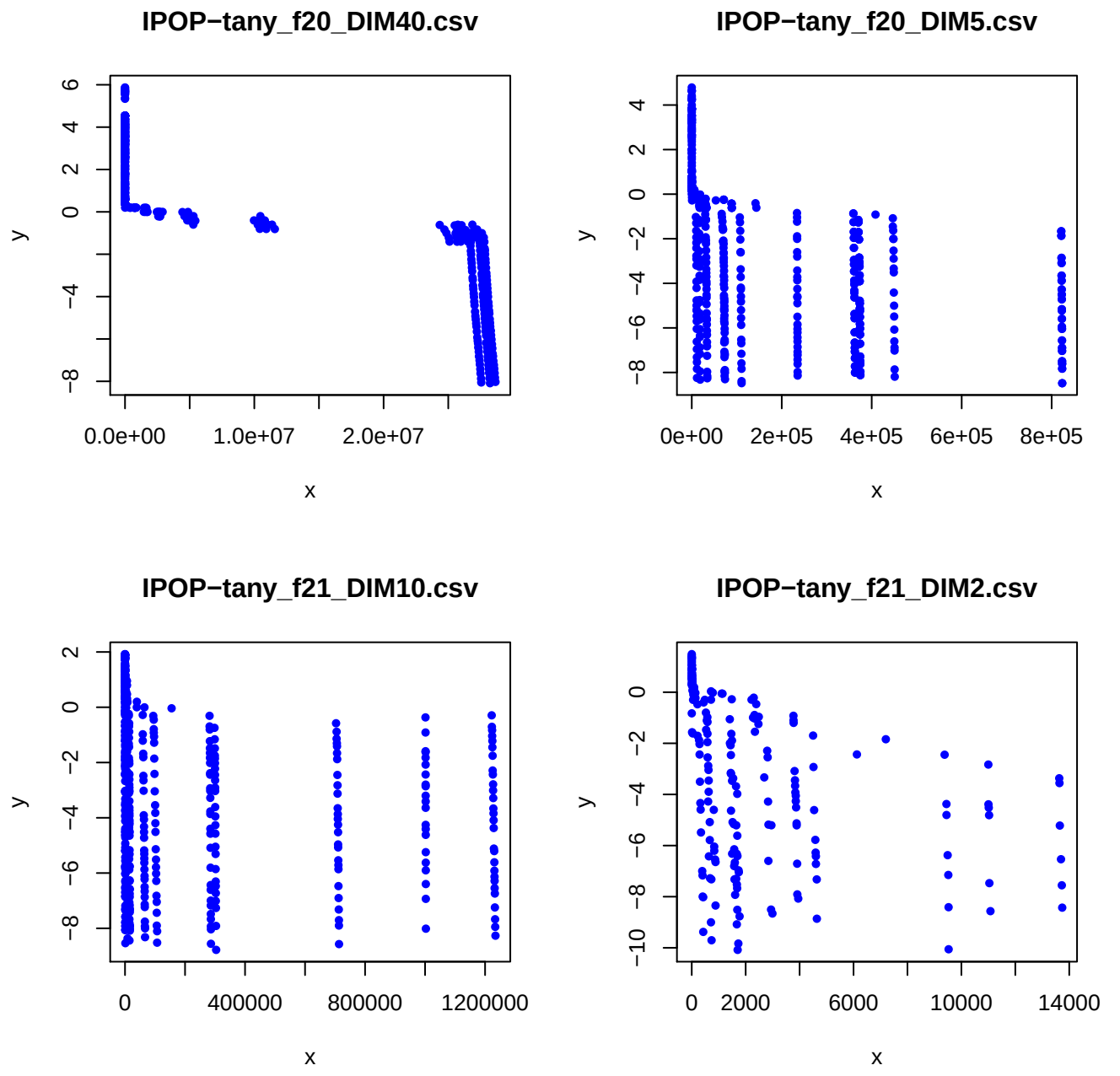
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IPOP−tany_f20_DIM5.csv
y
x
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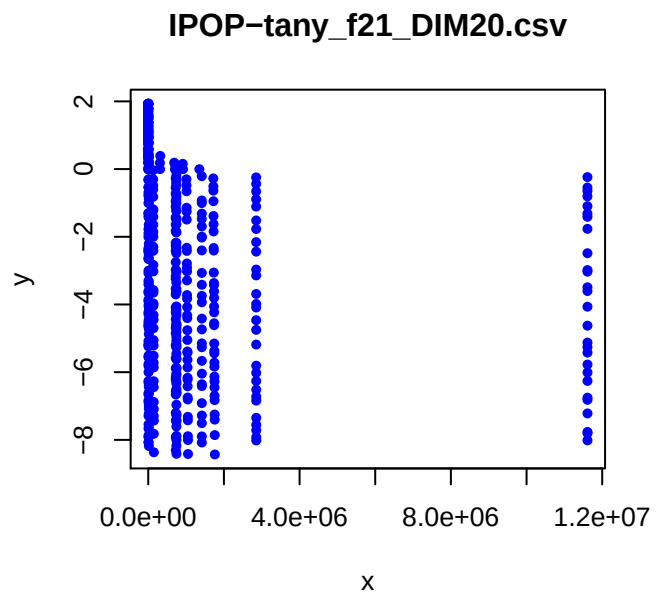
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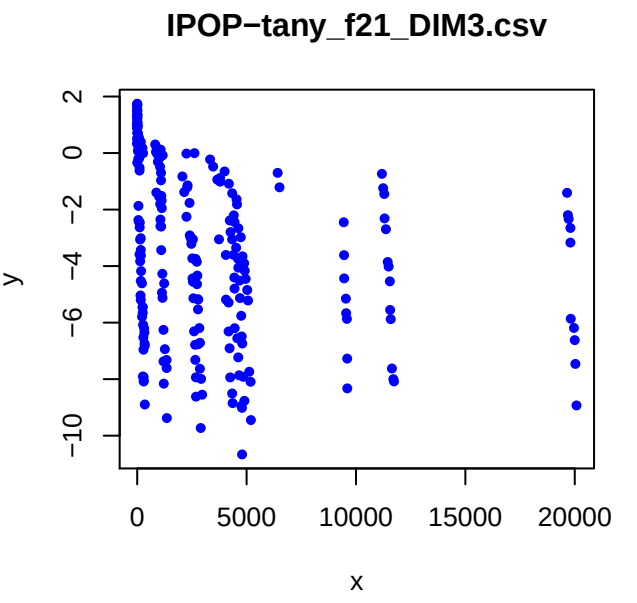
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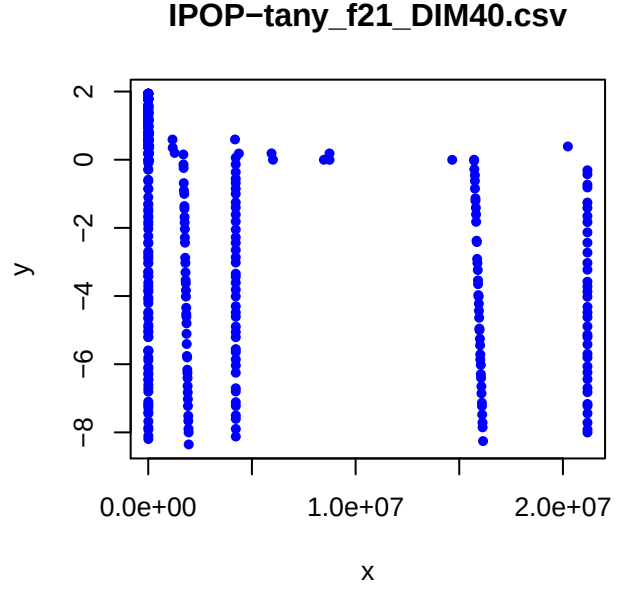
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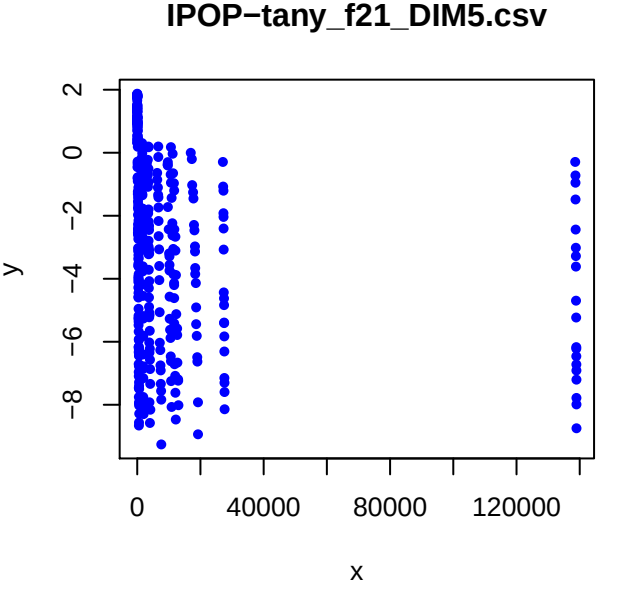
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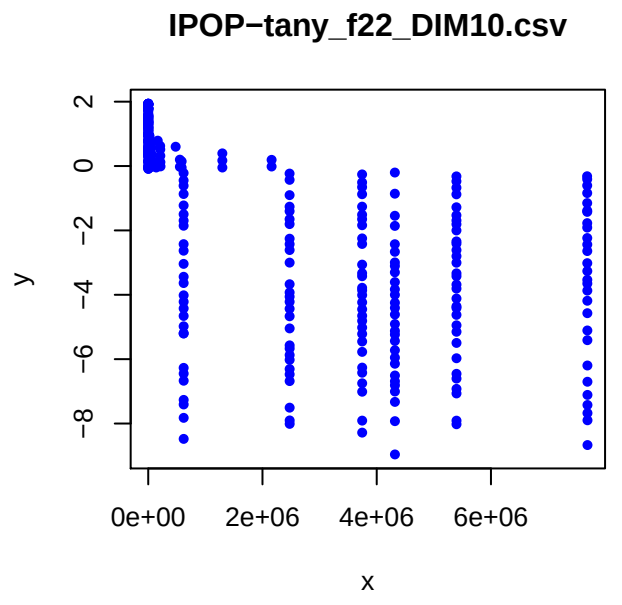
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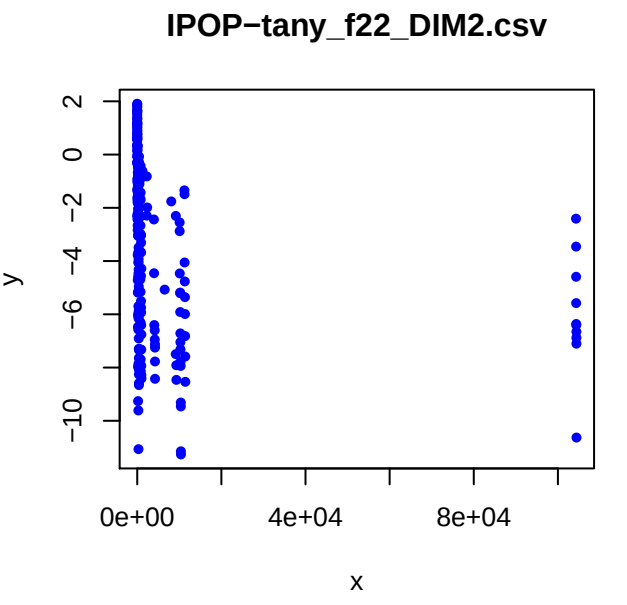
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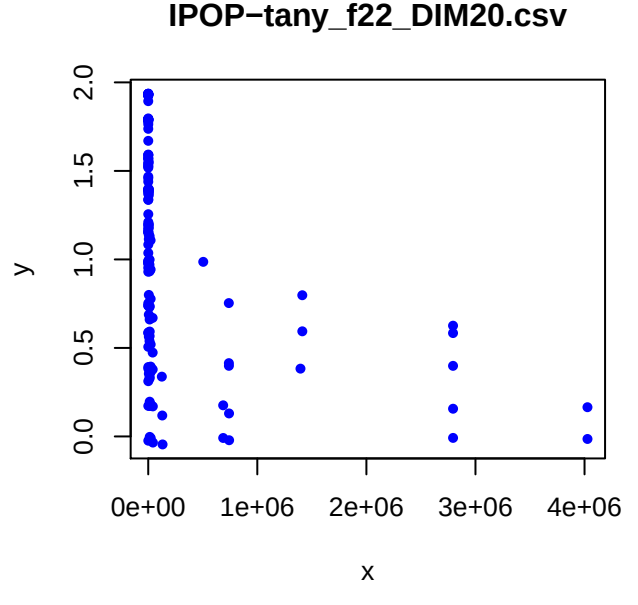
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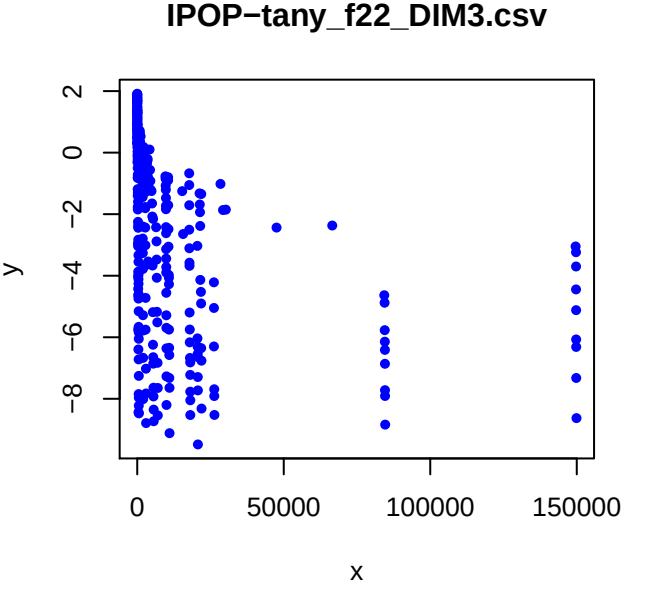
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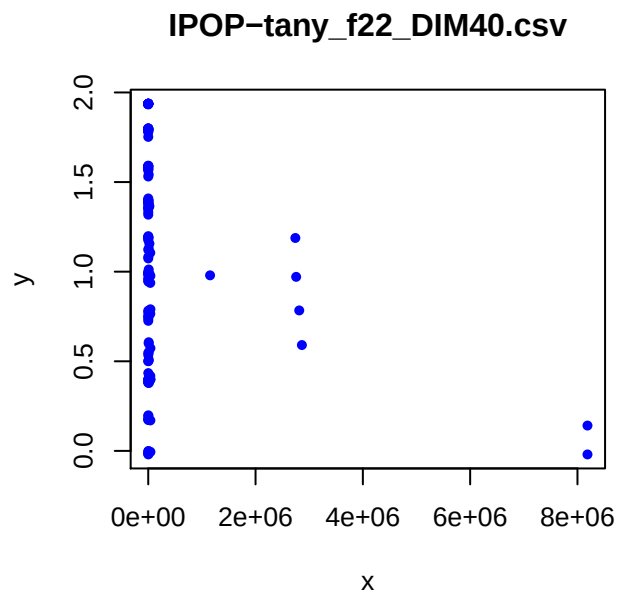
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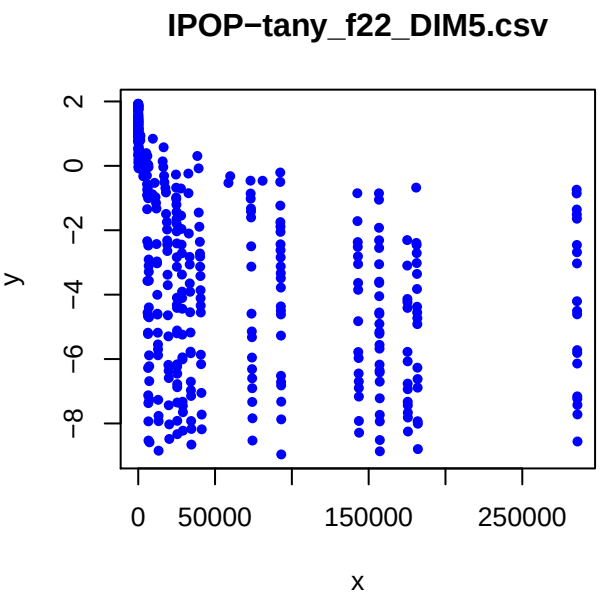
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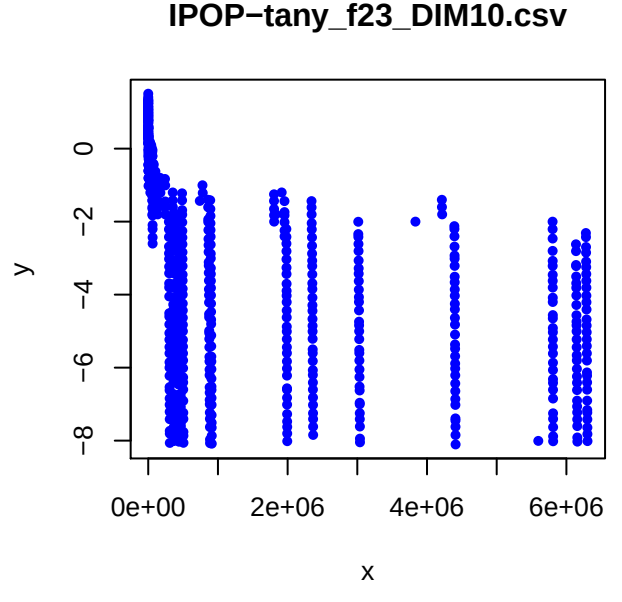
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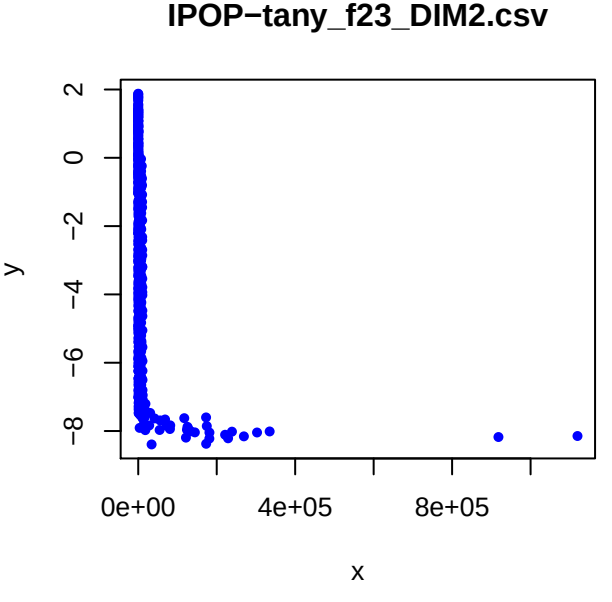
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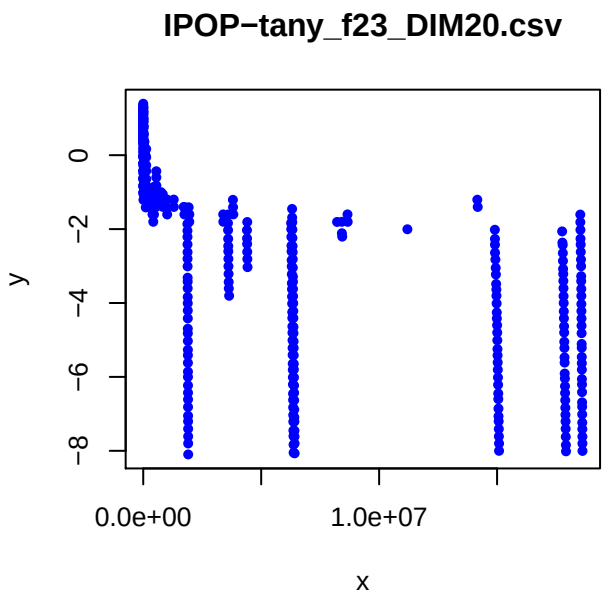
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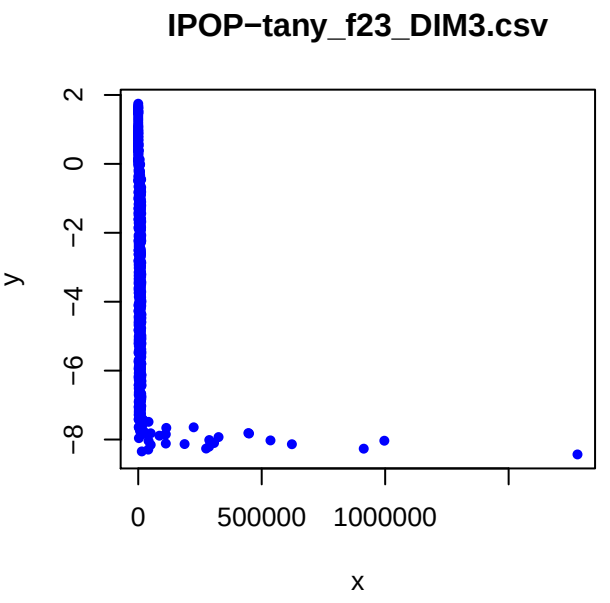
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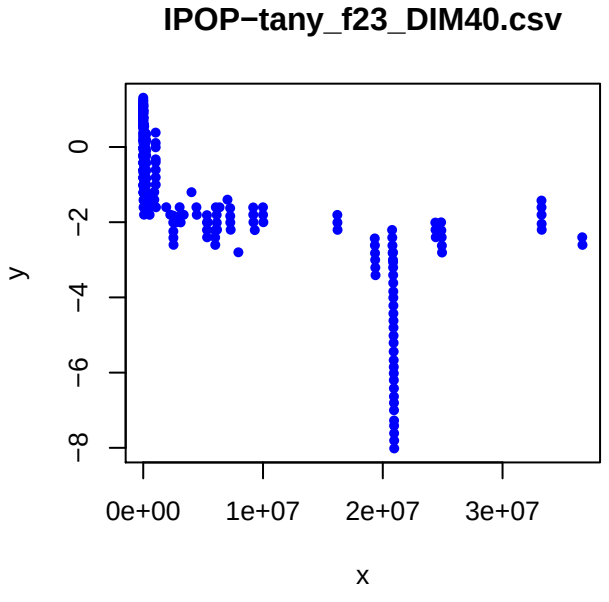
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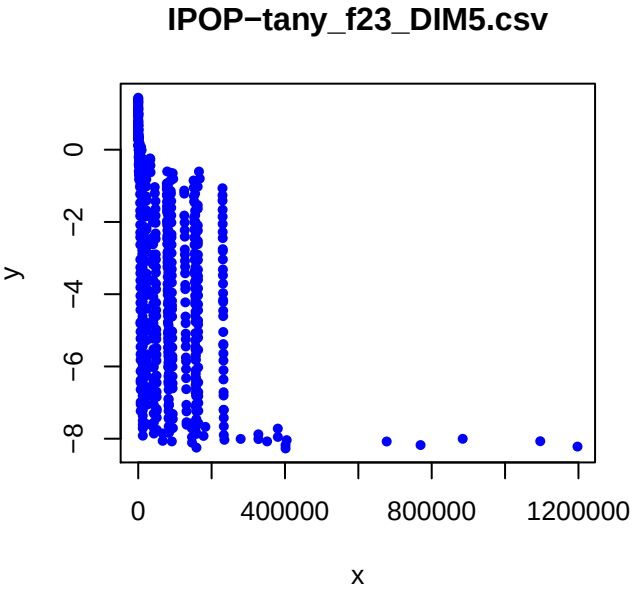
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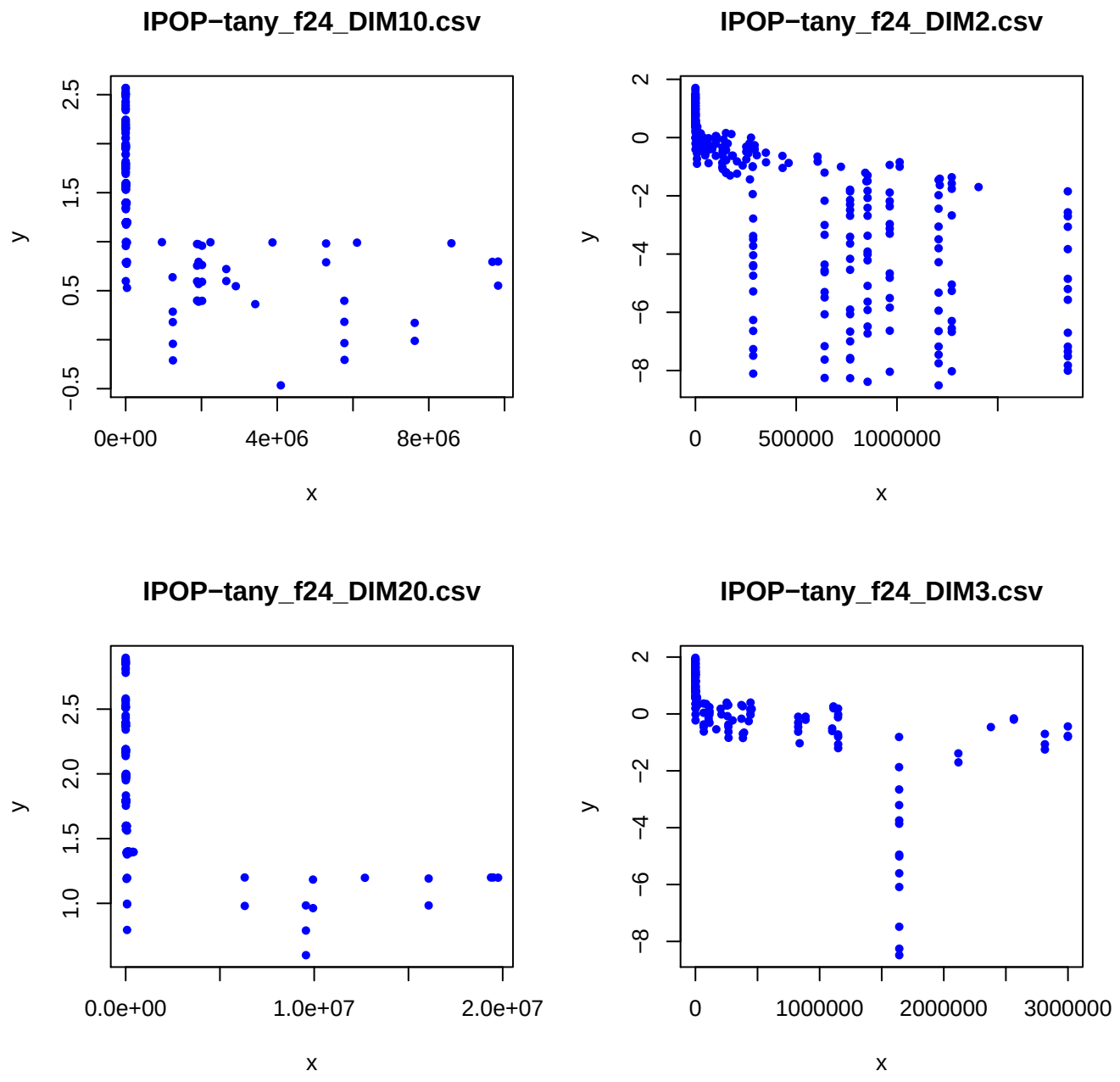
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IPOP−tany_f24_DIM2.csv
y
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1000000
IPOP−tany_f24_DIM20.csv
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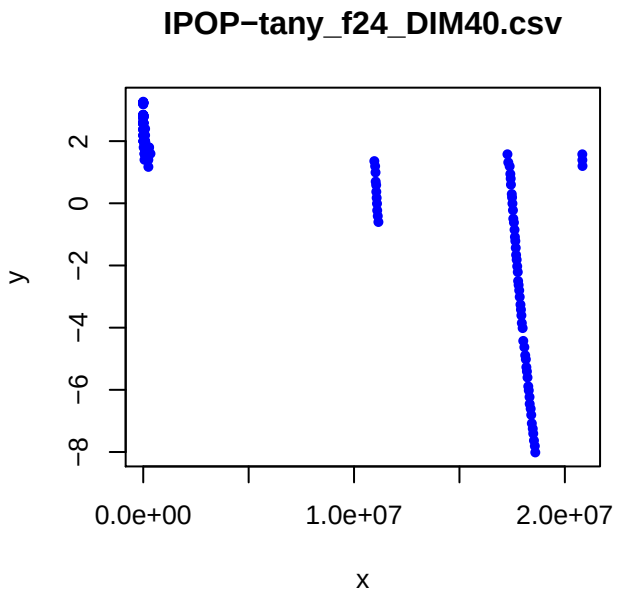
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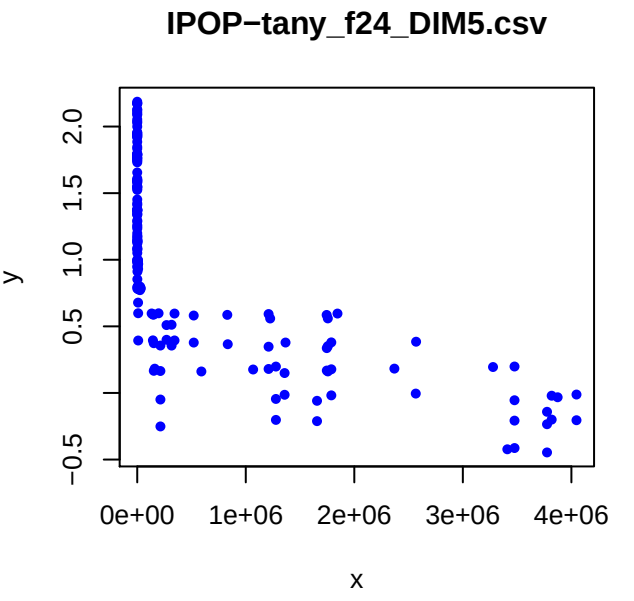
2.0e+07
x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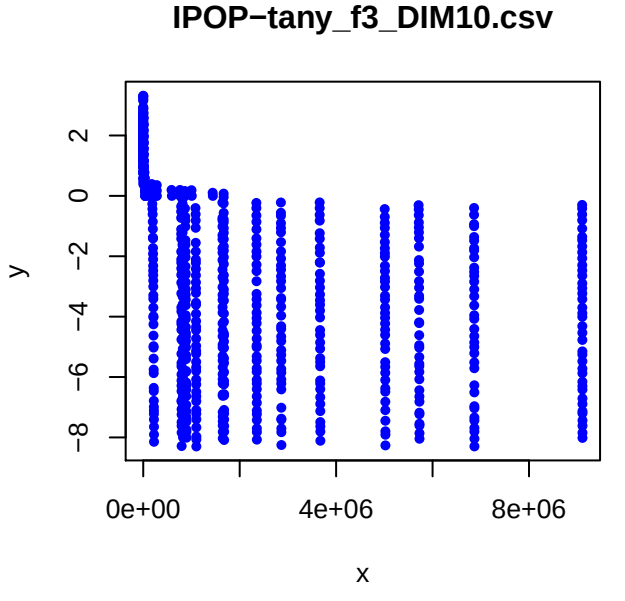
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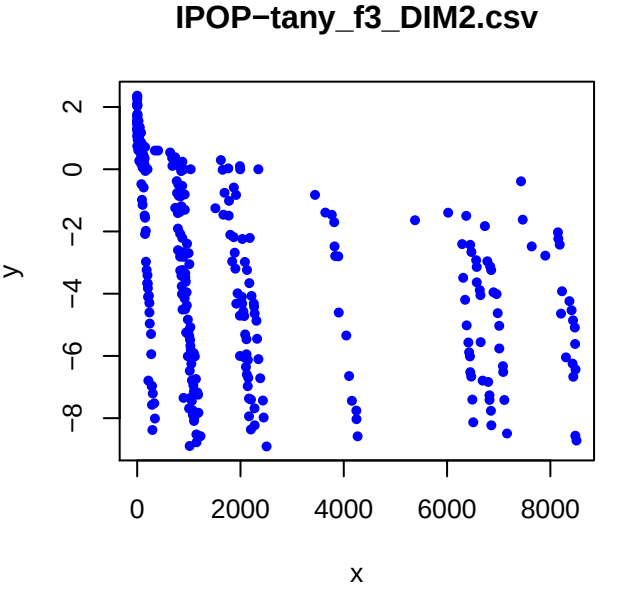
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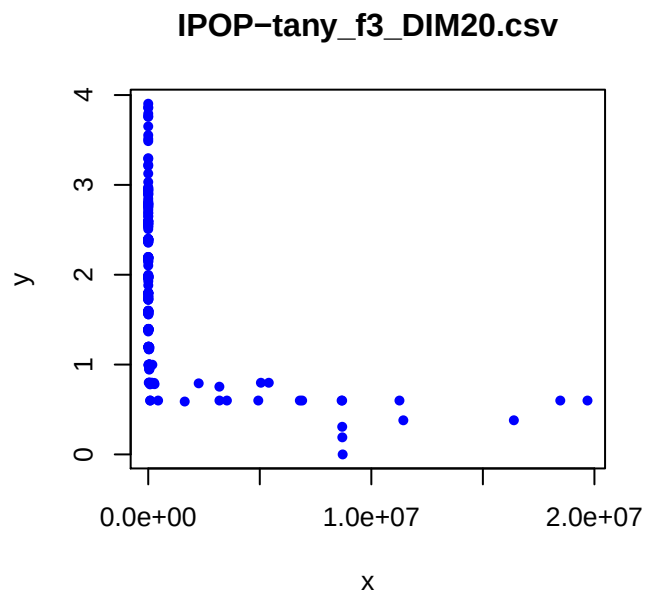
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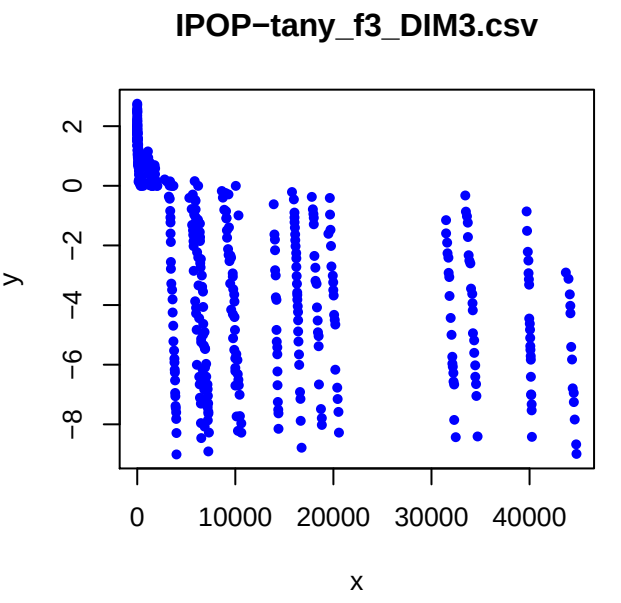
2.0e+07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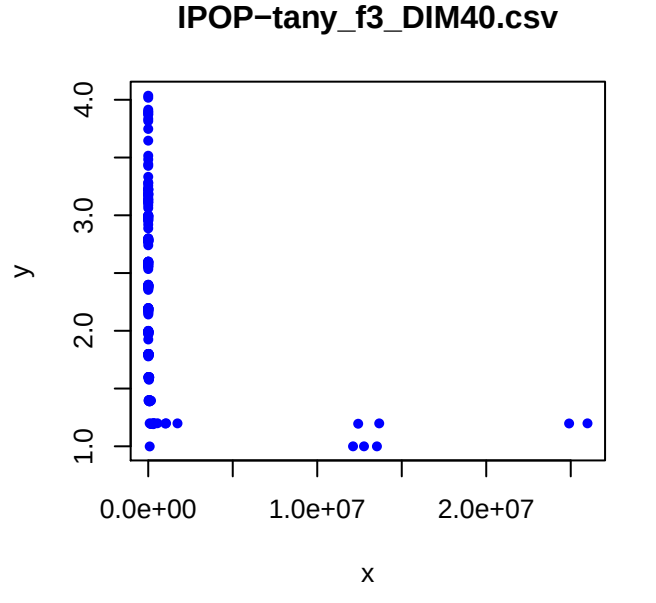
40000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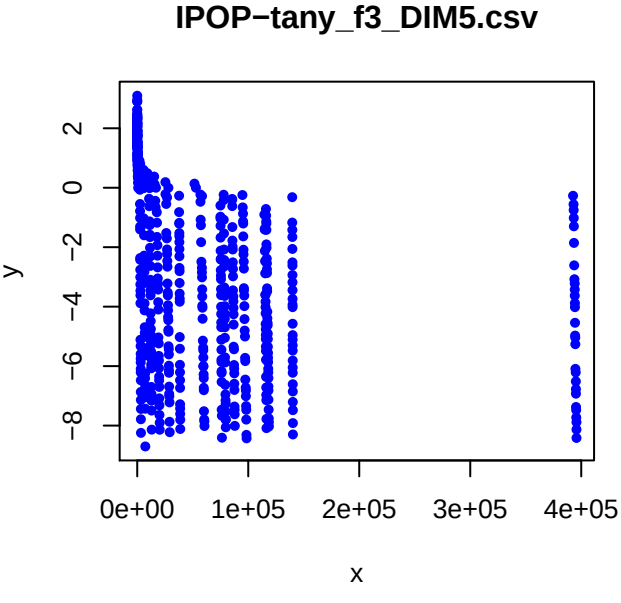
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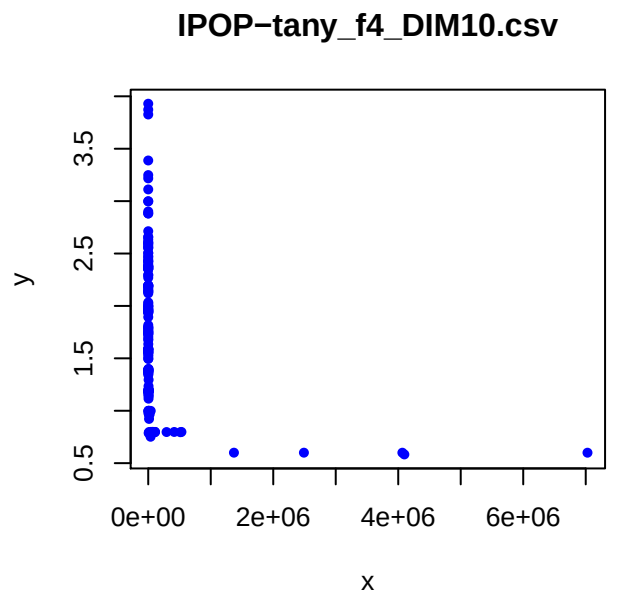
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3.5
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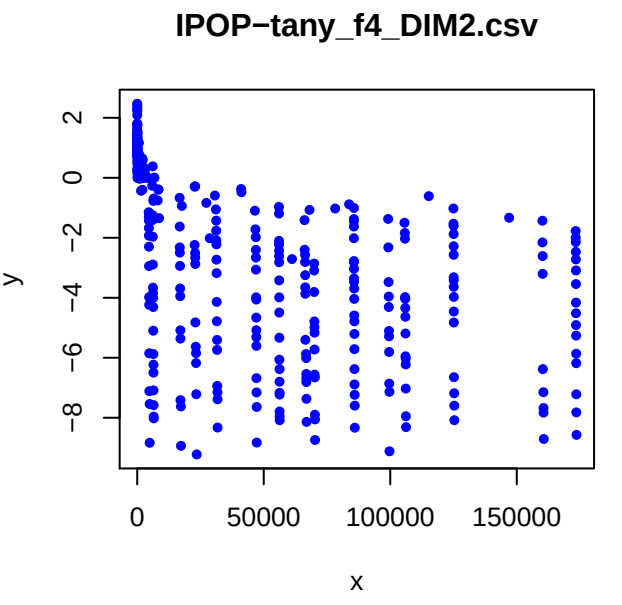
x


IPOP−tany_f4_DIM2.csv
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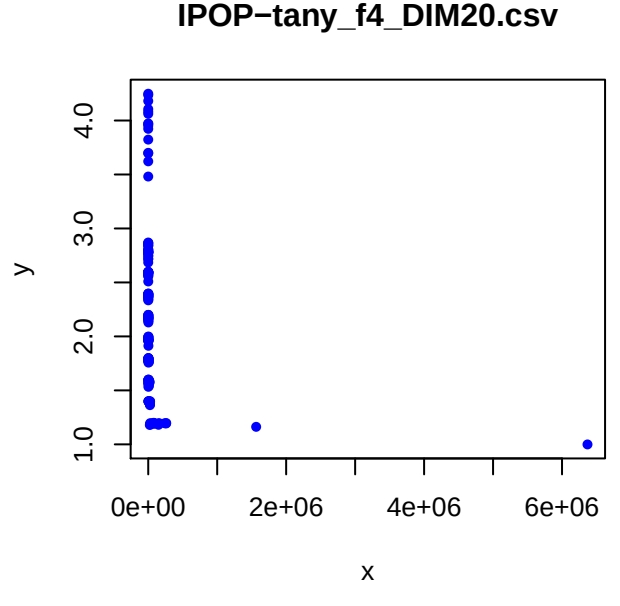
150000
x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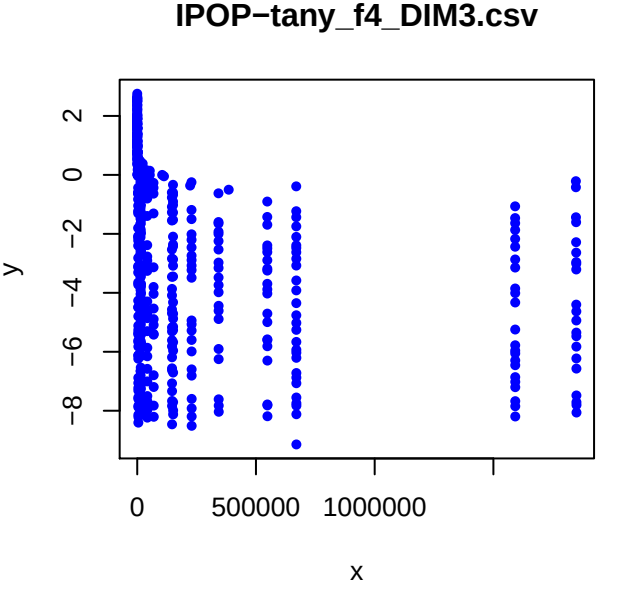
x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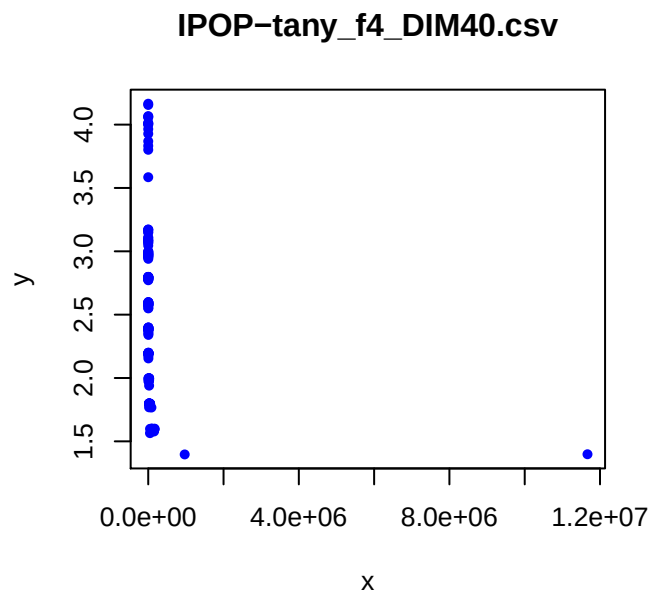
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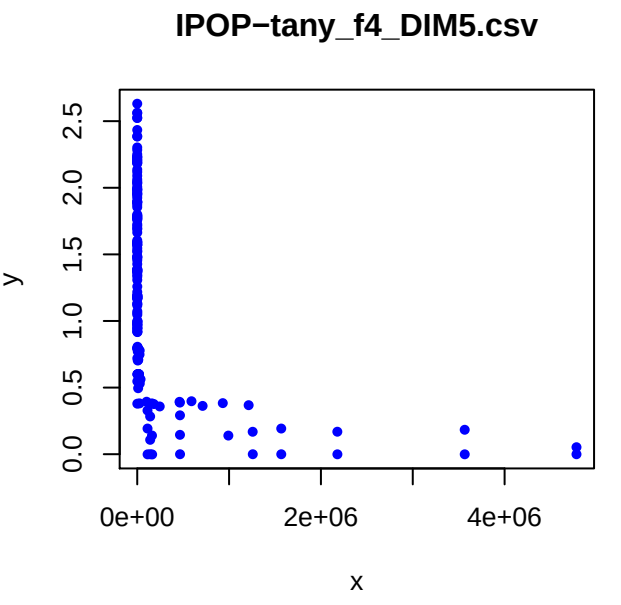
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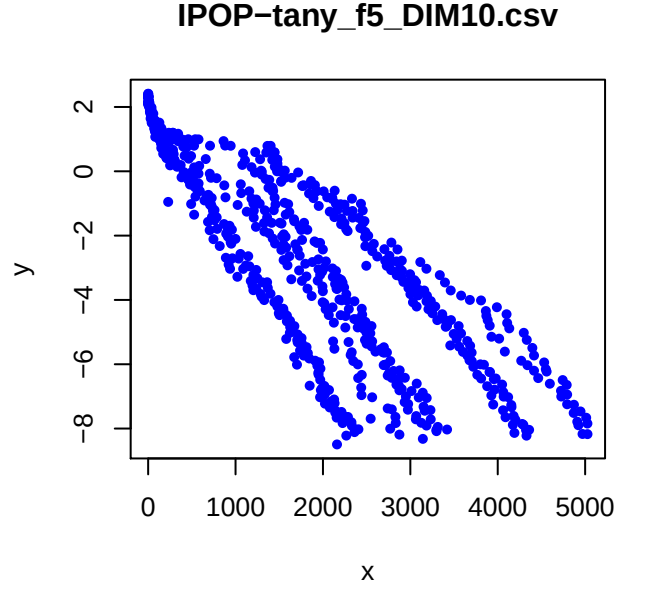
x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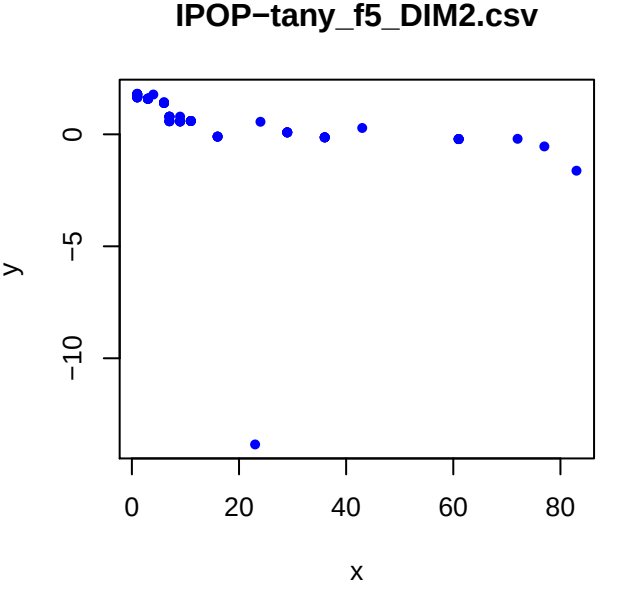
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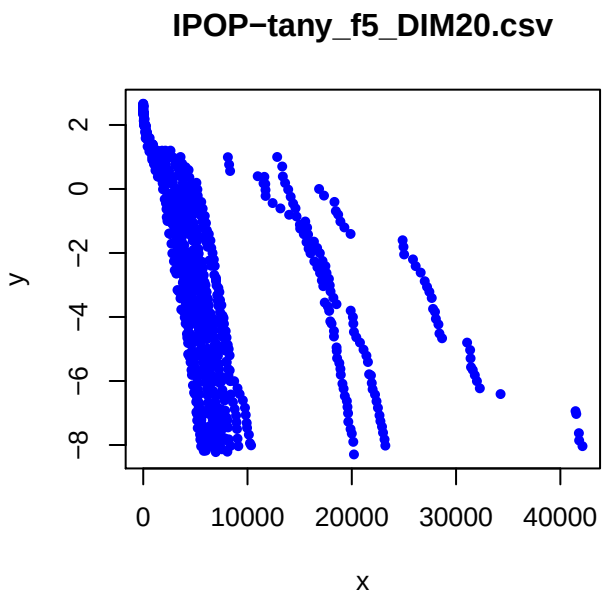
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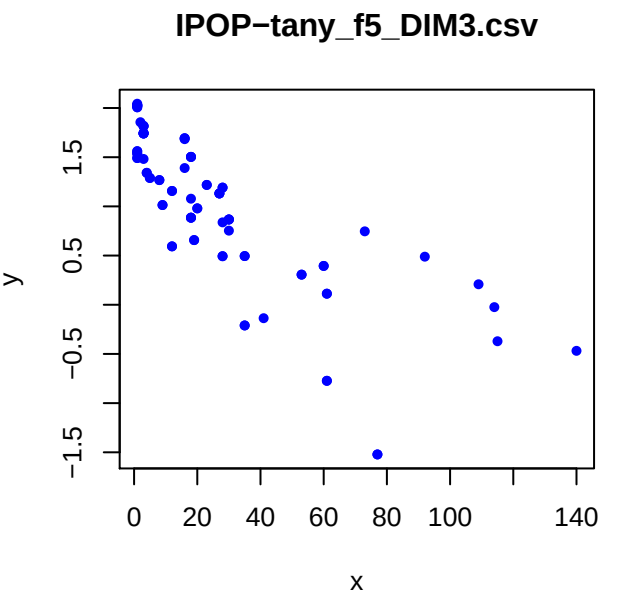
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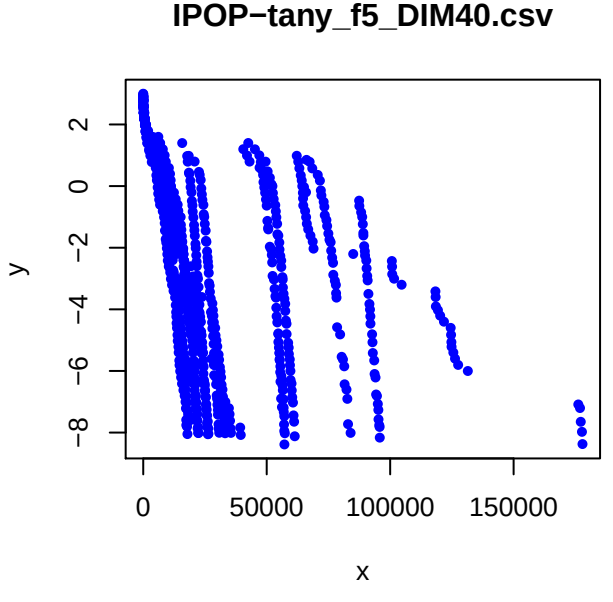
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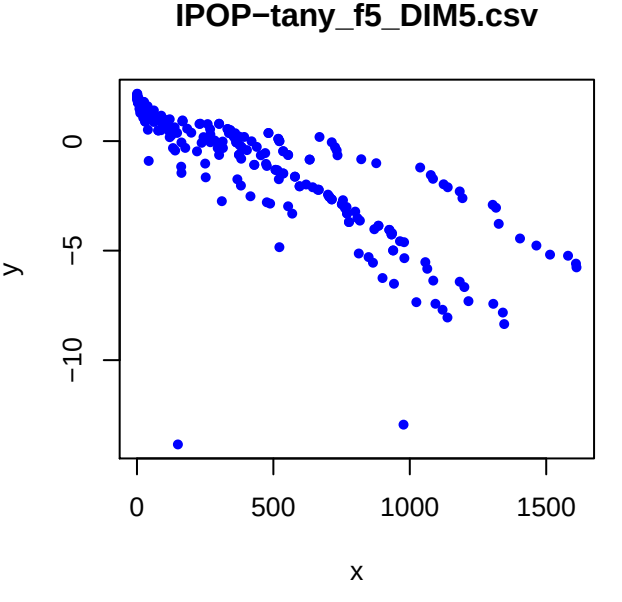
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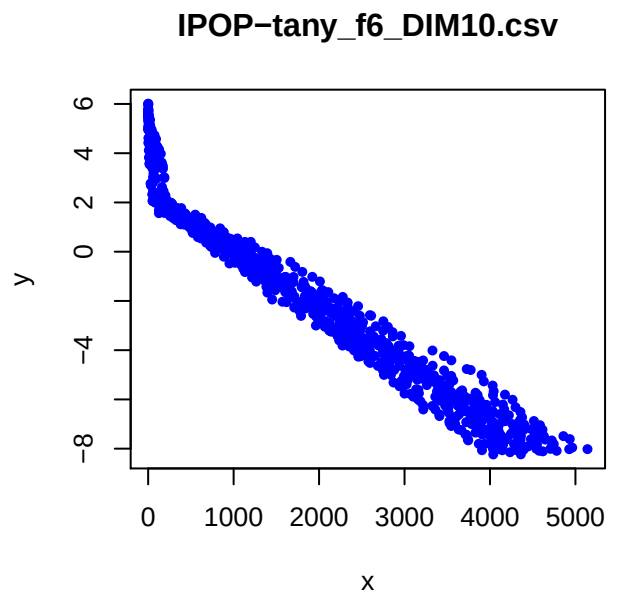
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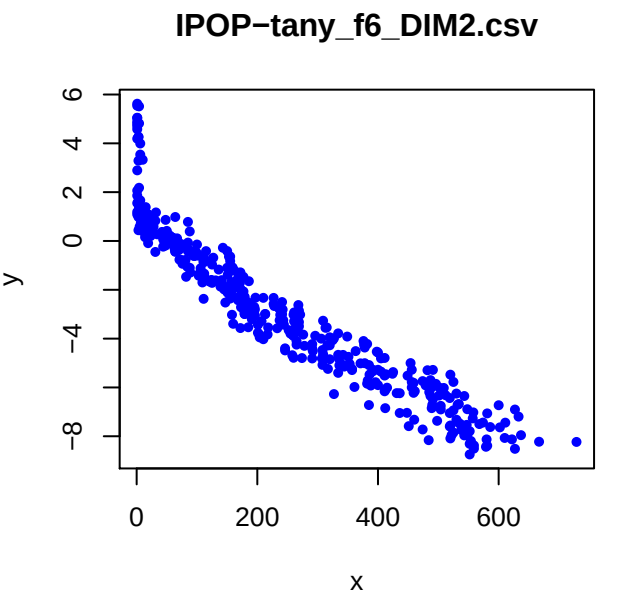
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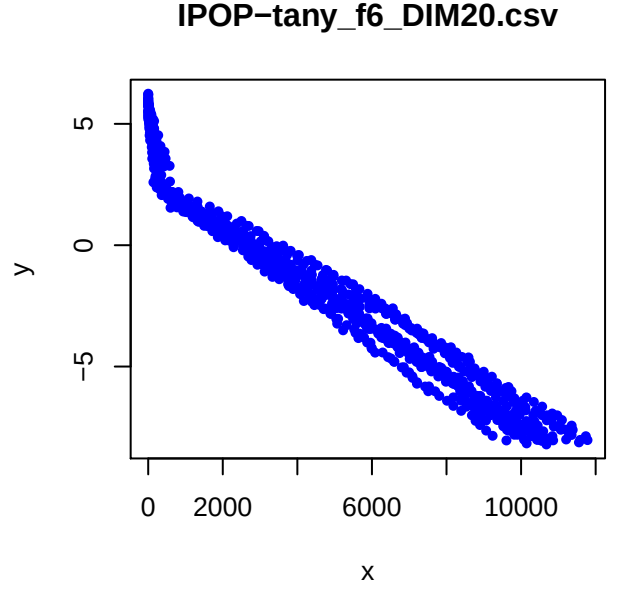
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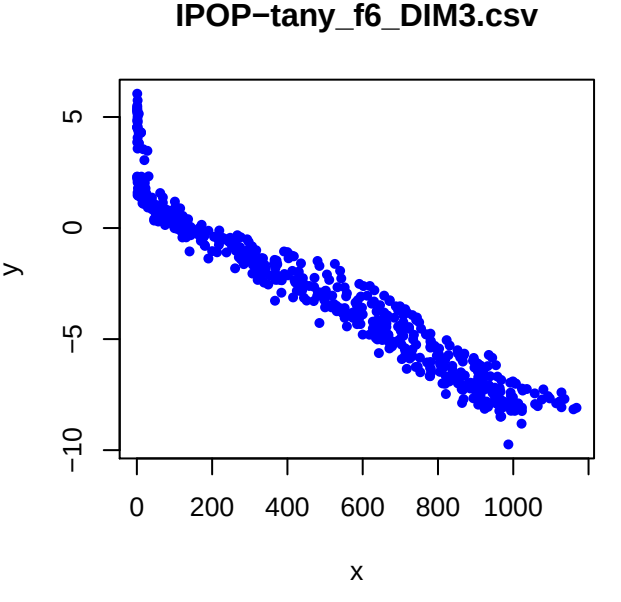
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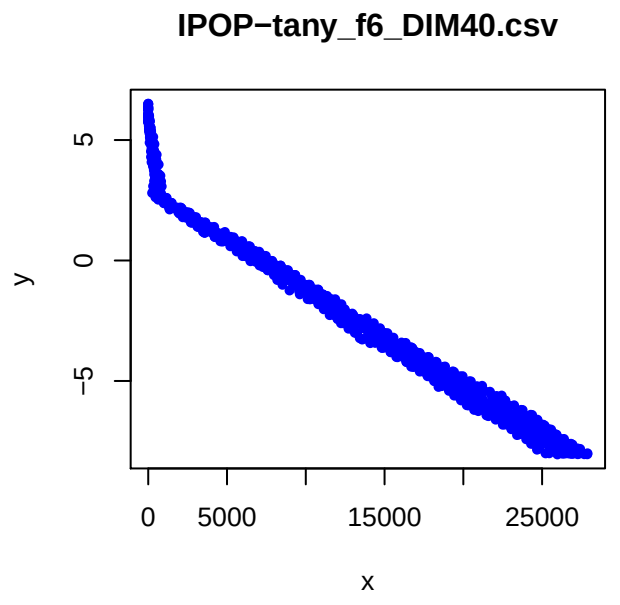
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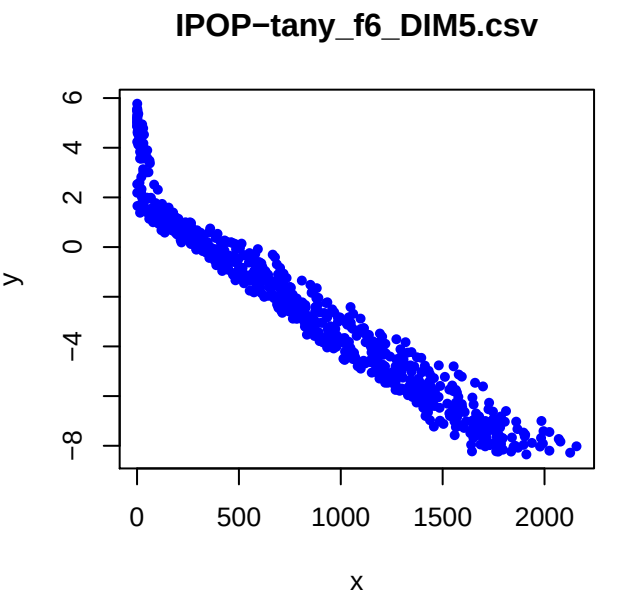
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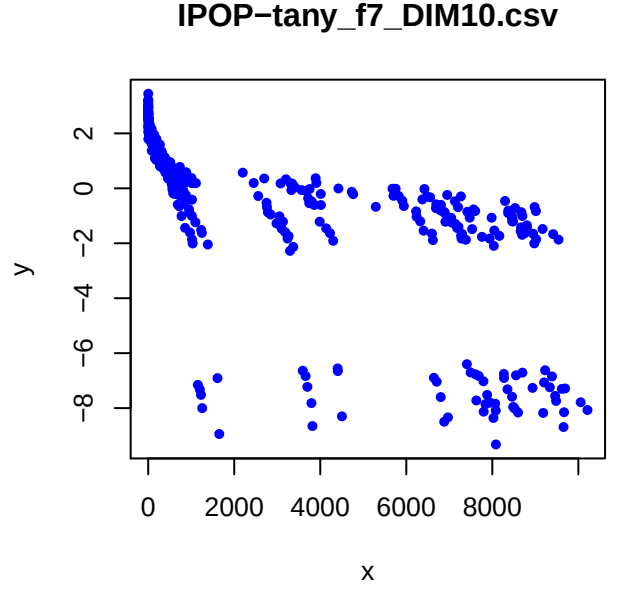
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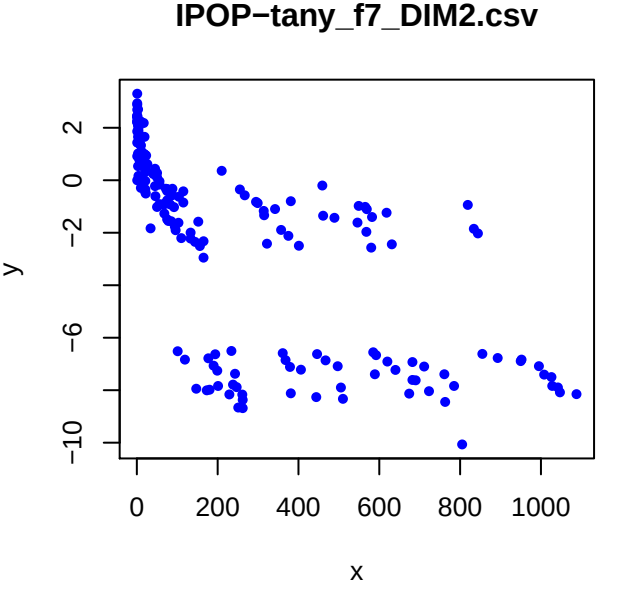
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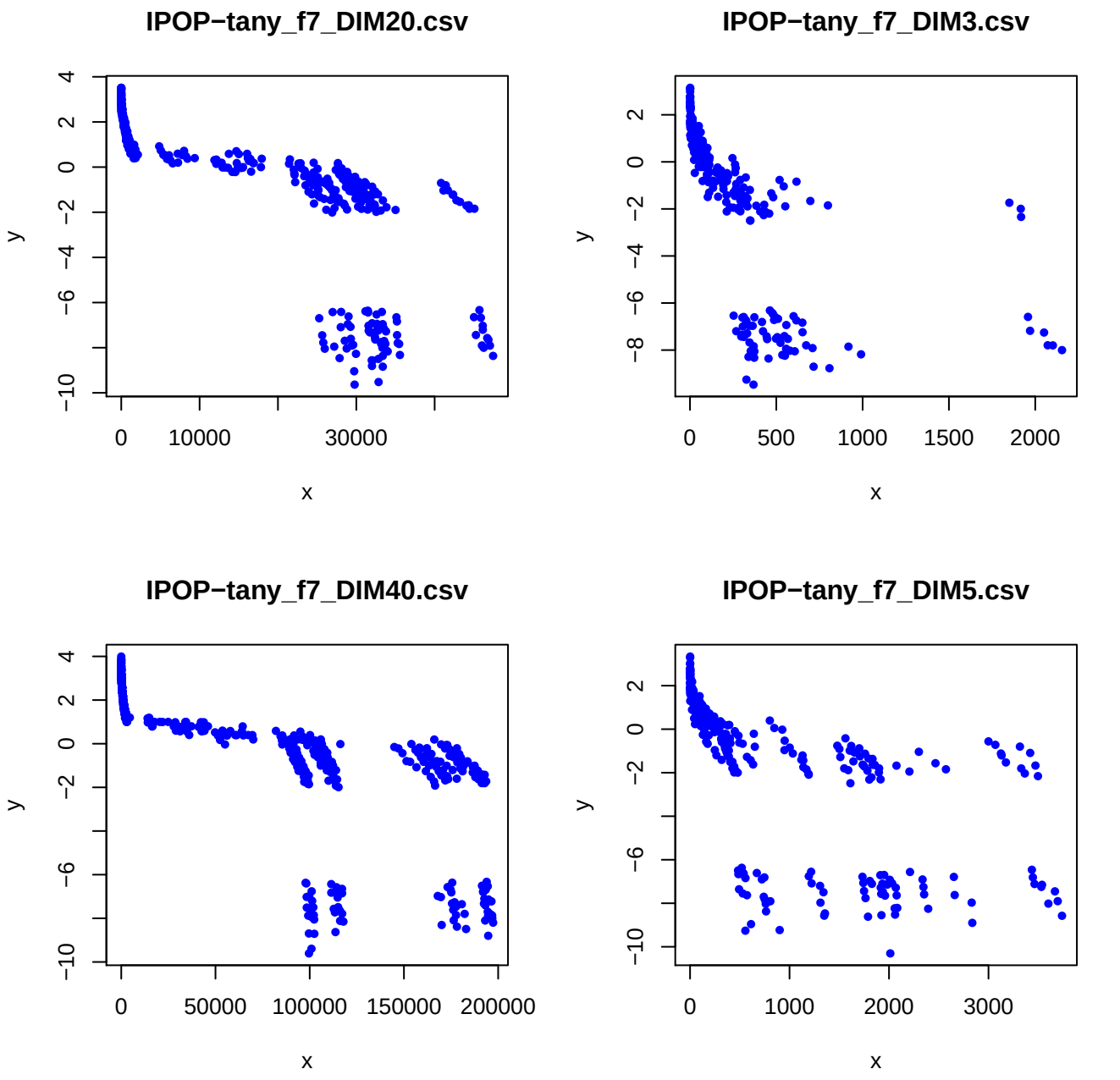
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y
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IPOP−tany_f7_DIM40.csv
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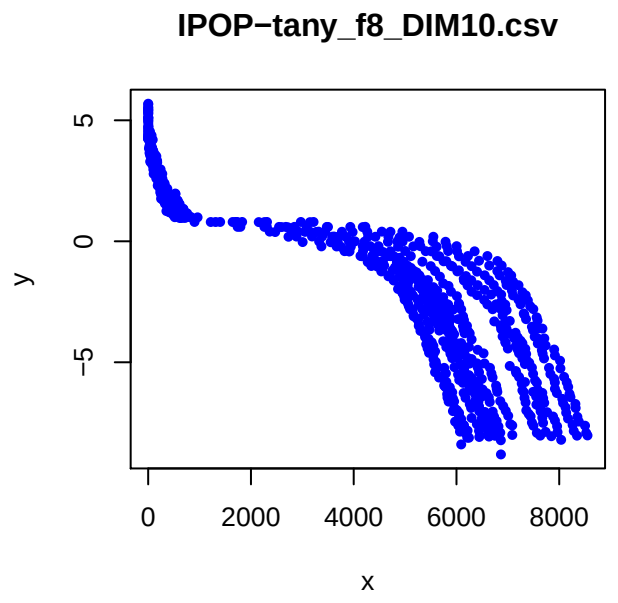
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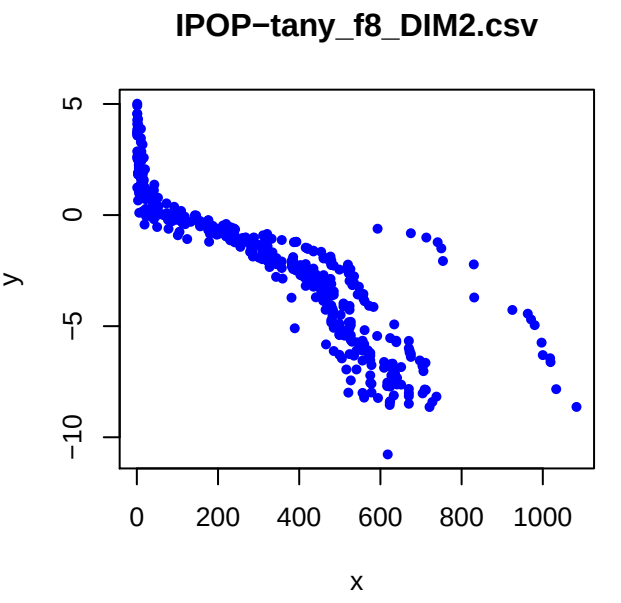
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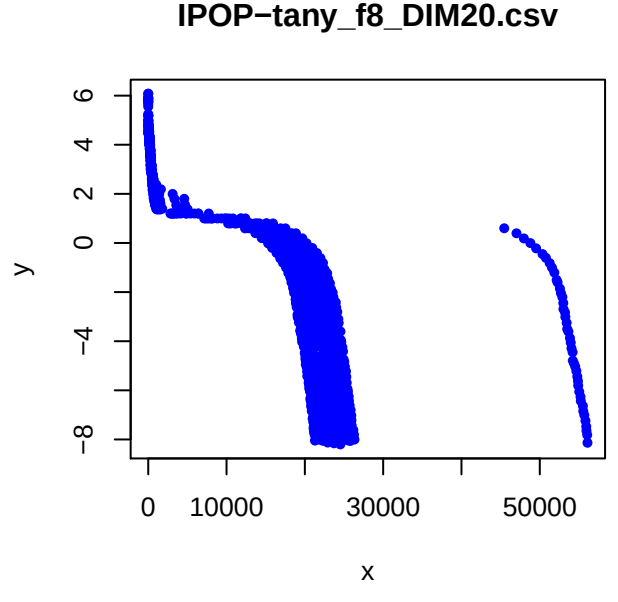
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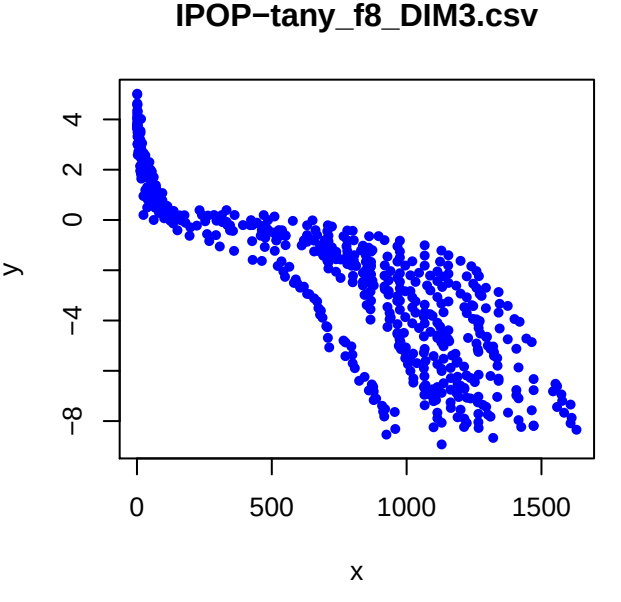
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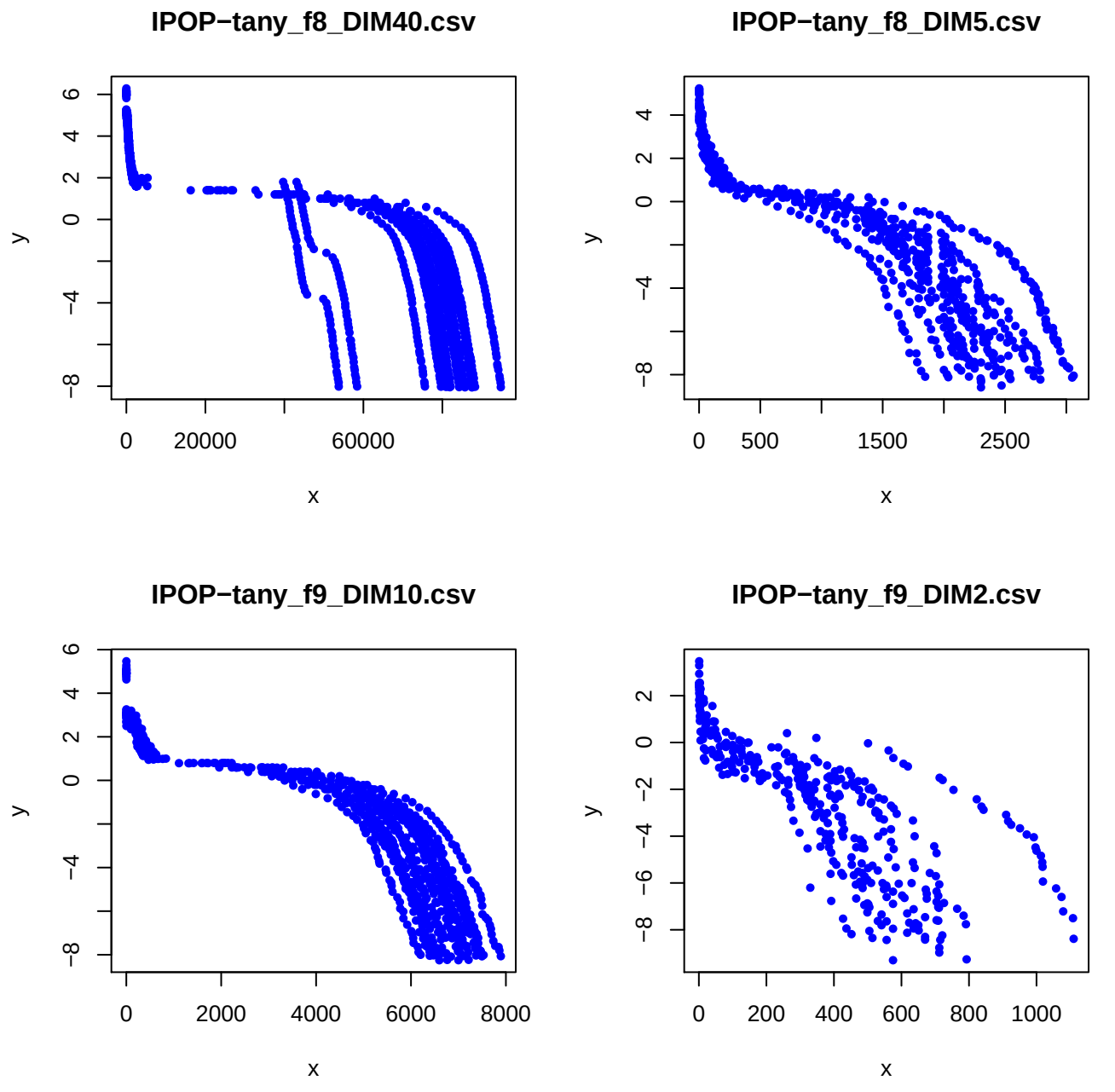
1500
x


IPOP−tany_f8_DIM40.csv
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IPOP−tany_f8_DIM5.csv
y
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x
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6000
8000
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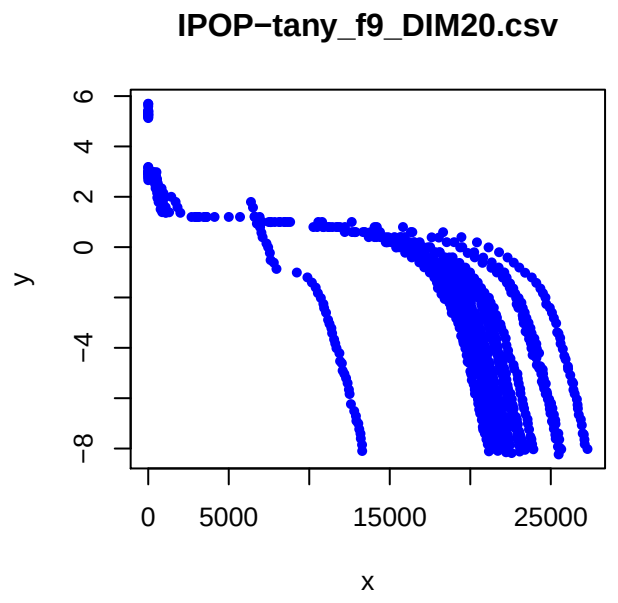
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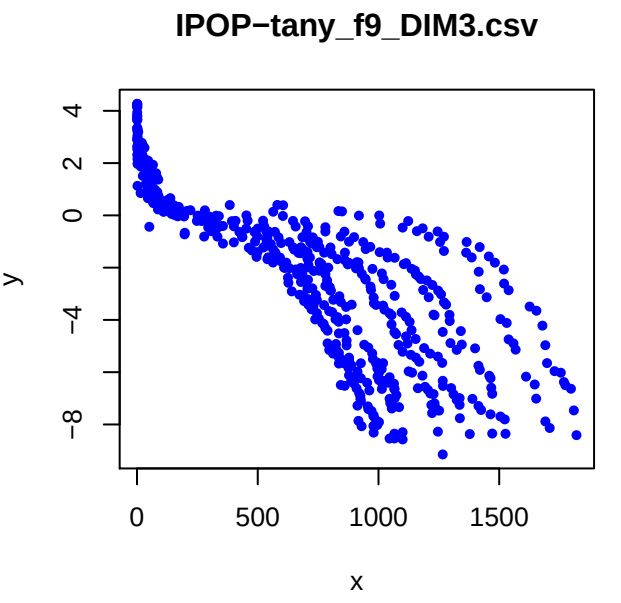
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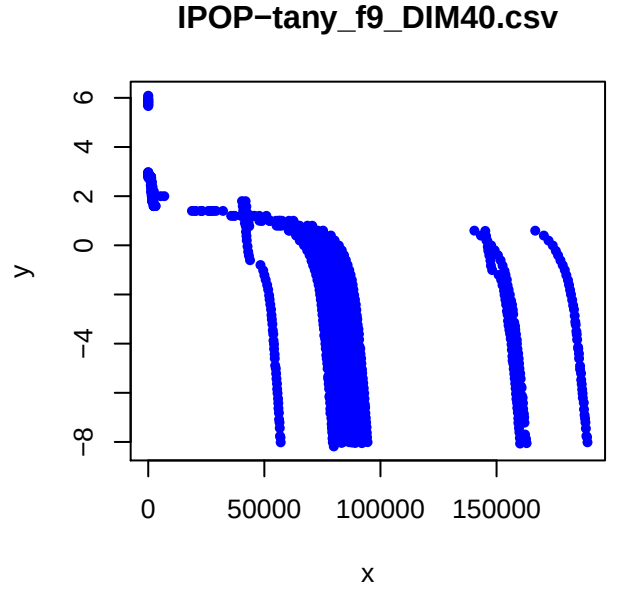
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150000
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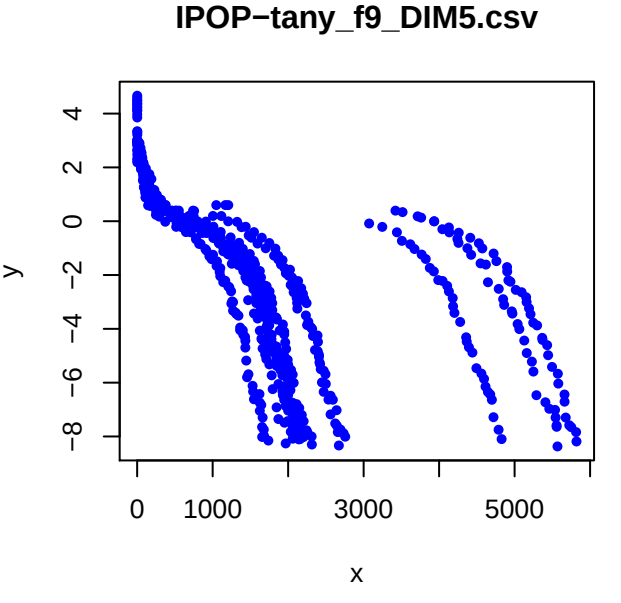
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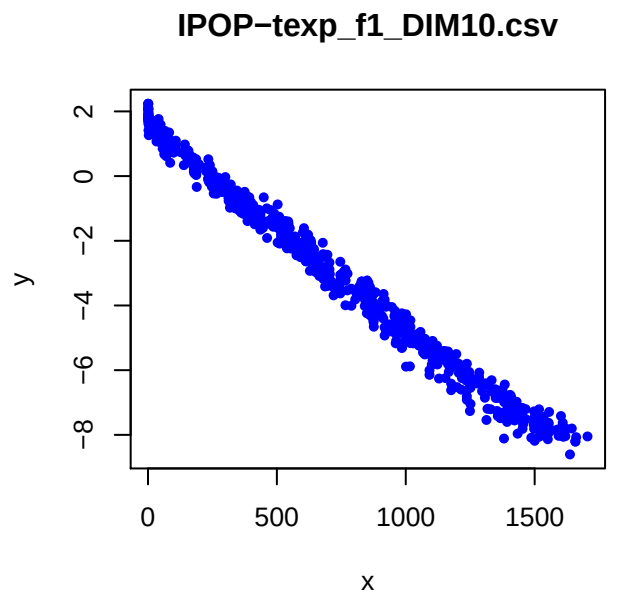
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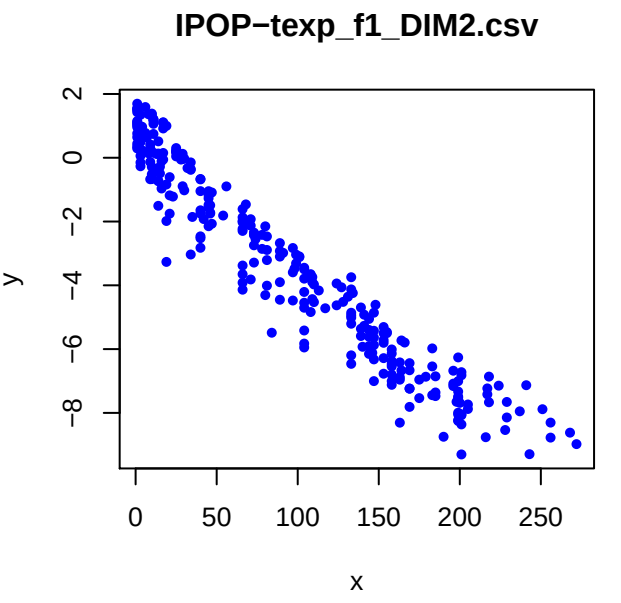
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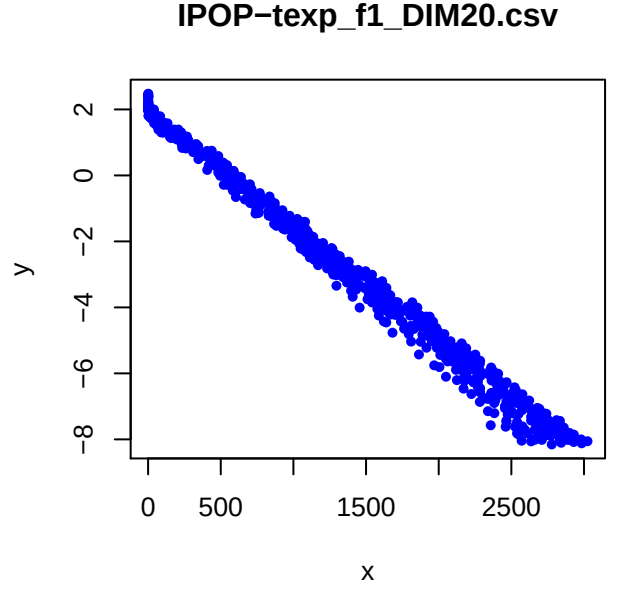
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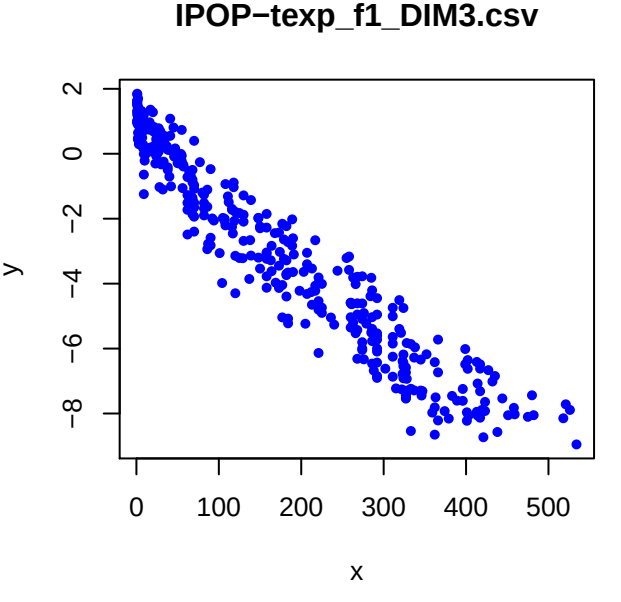
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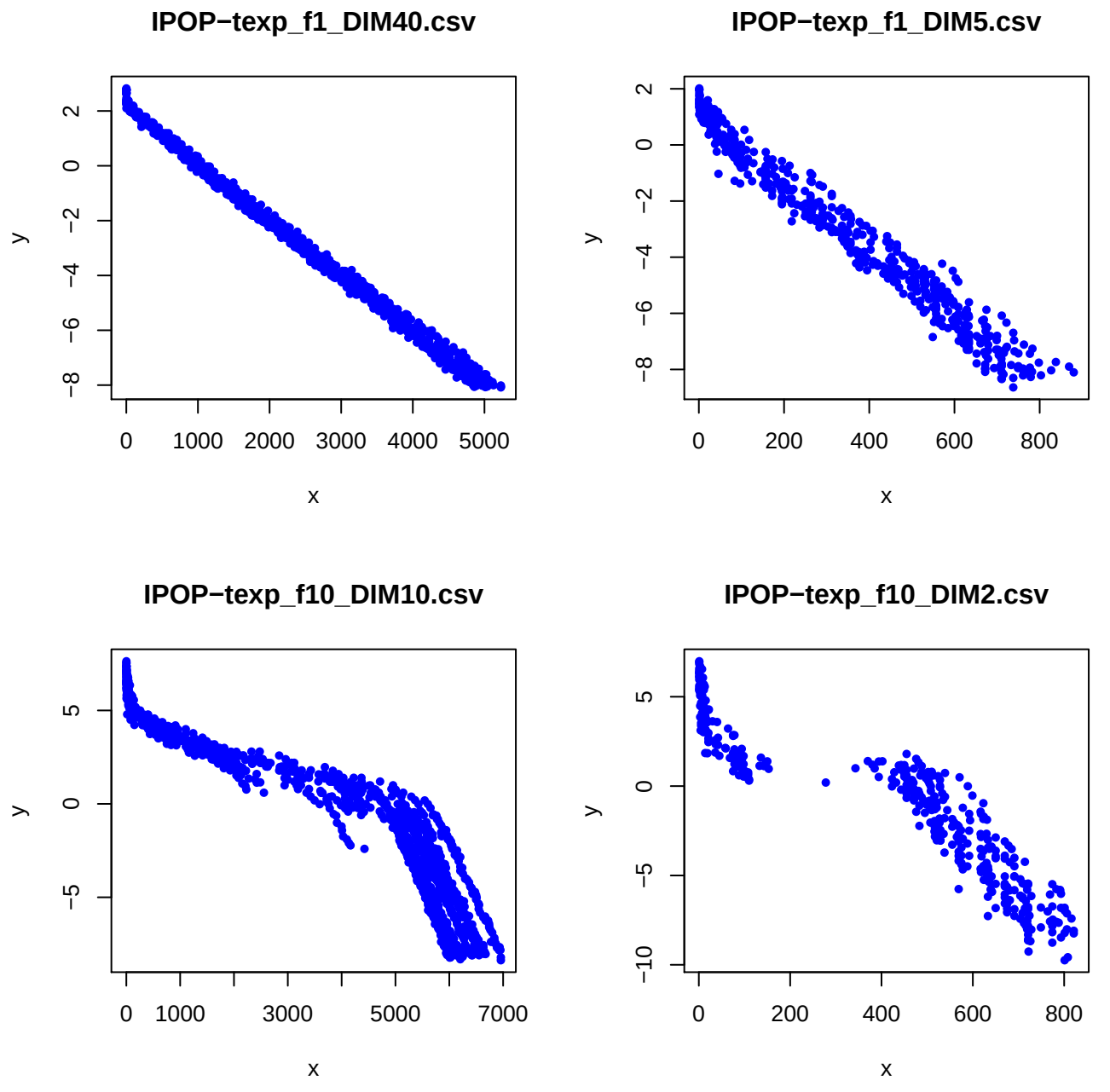
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IPOP−texp_f1_DIM5.csv
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x
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−8
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IPOP−texp_f10_DIM10.csv
y
x
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−5
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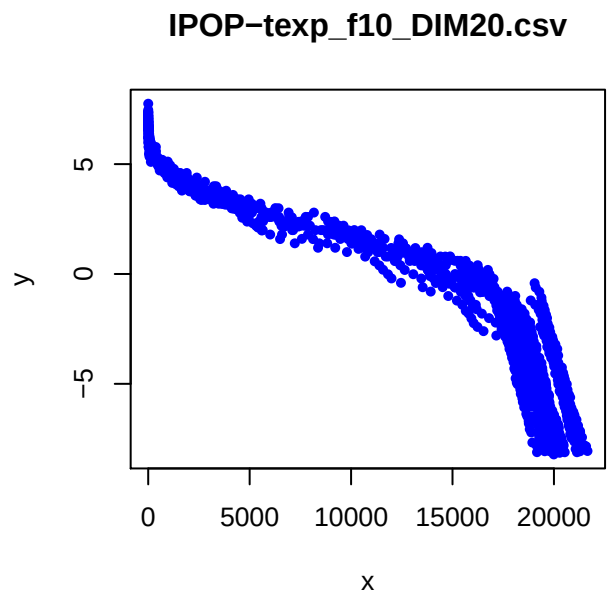
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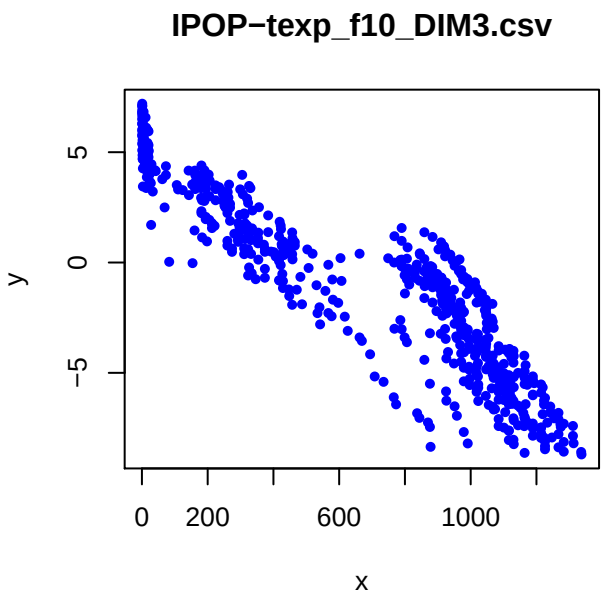
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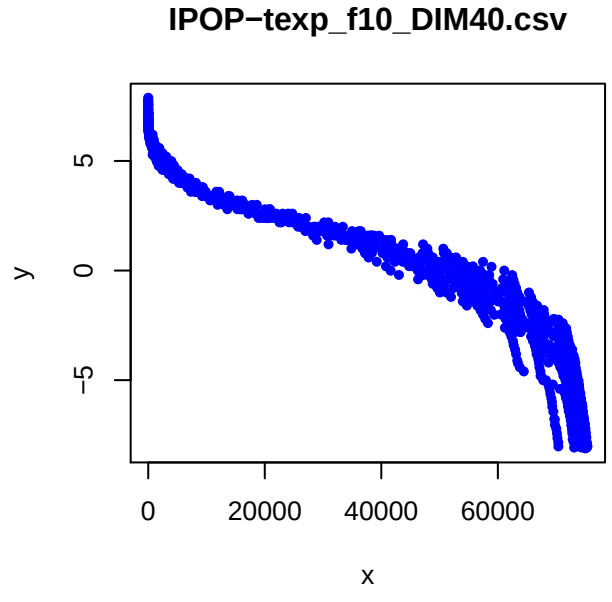
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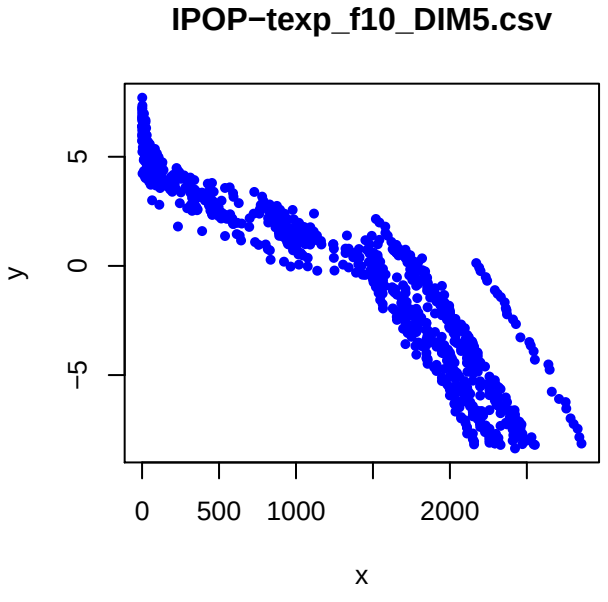
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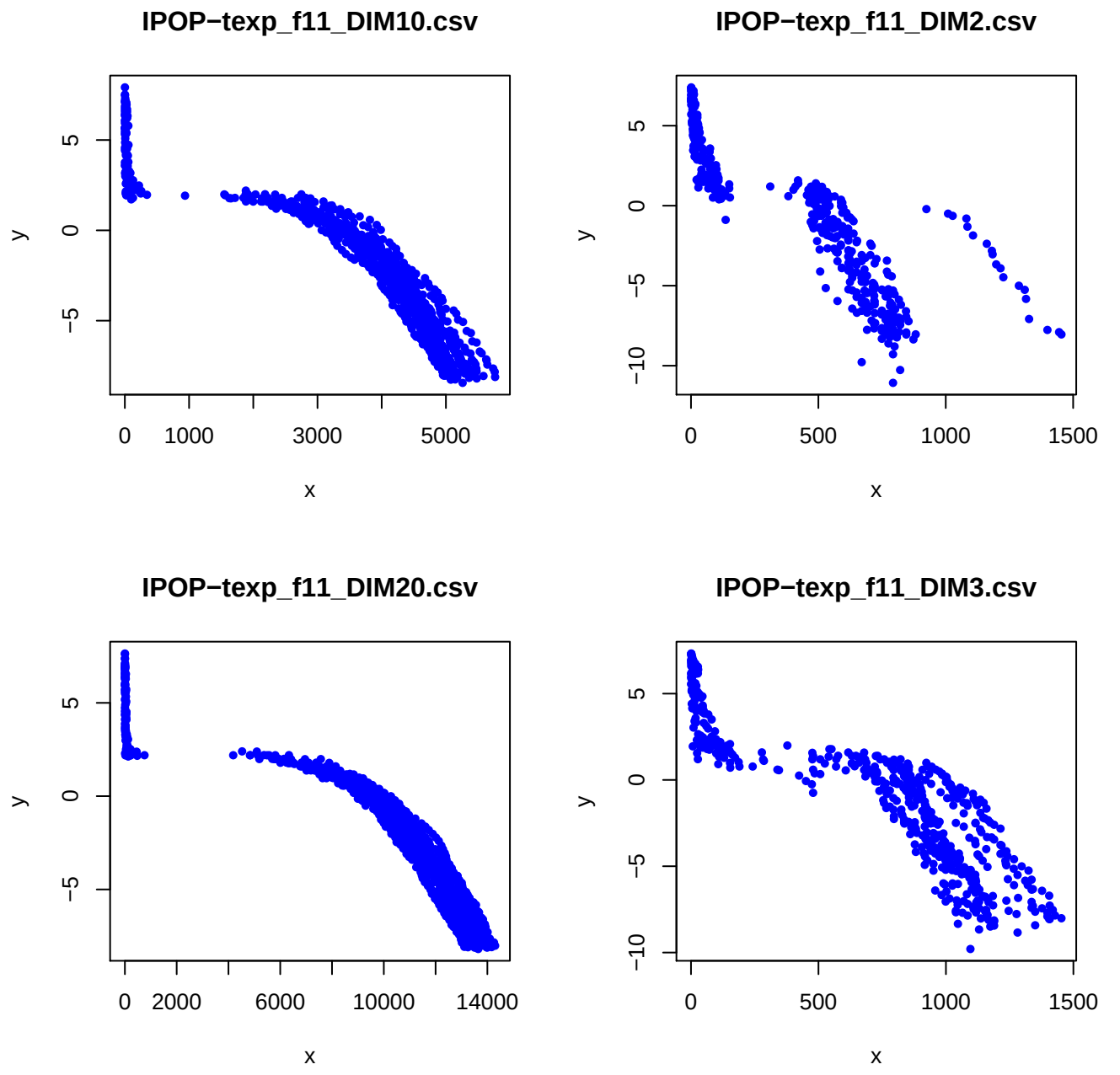
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1000
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x
IPOP−texp_f11_DIM20.csv
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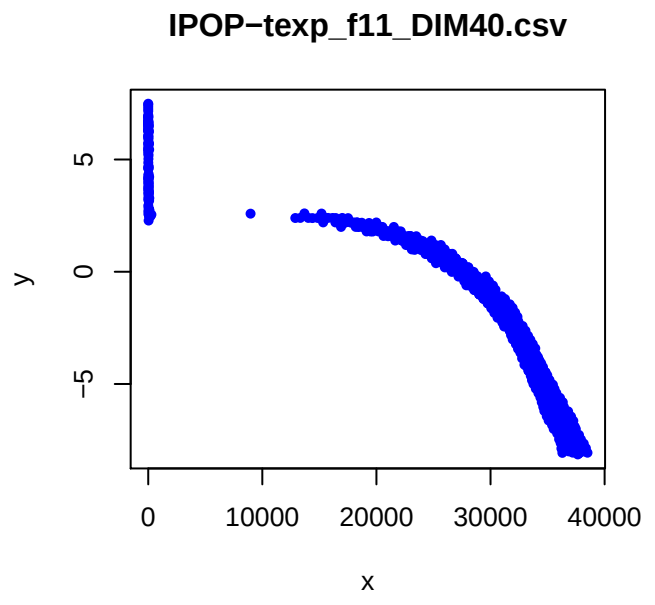
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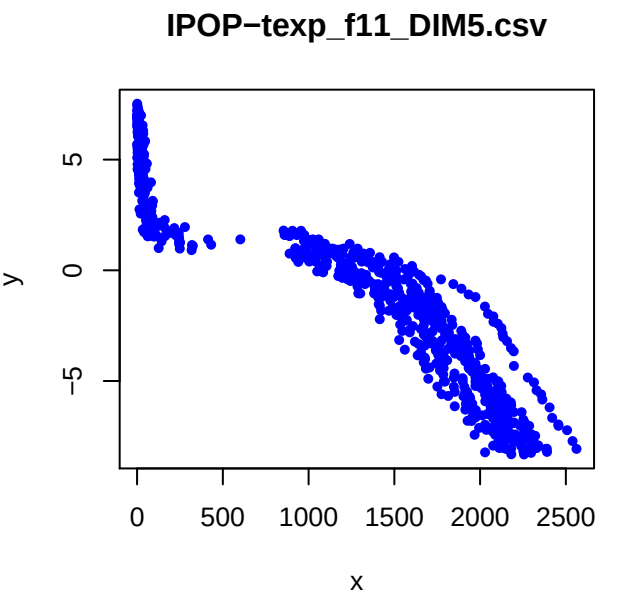
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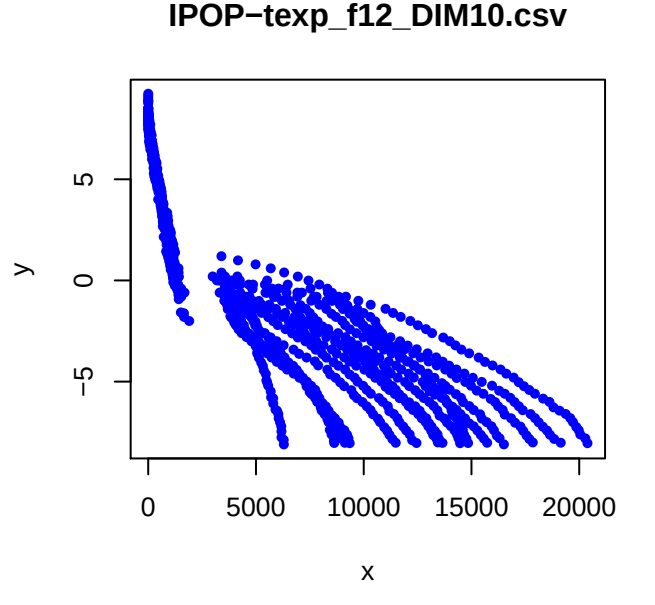
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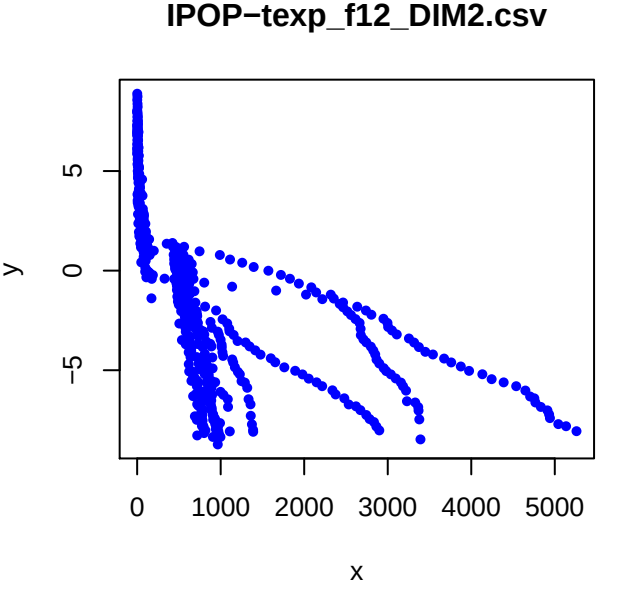
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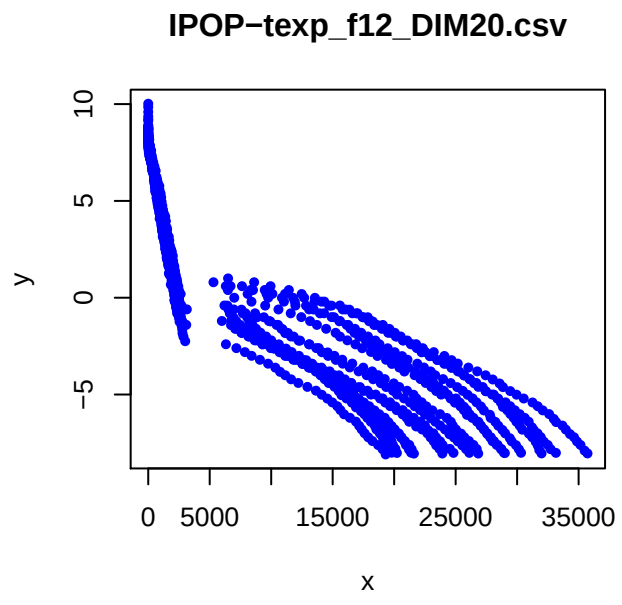
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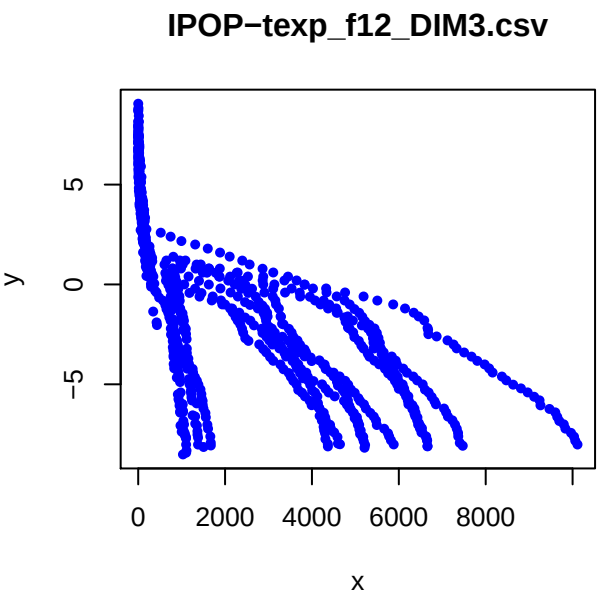
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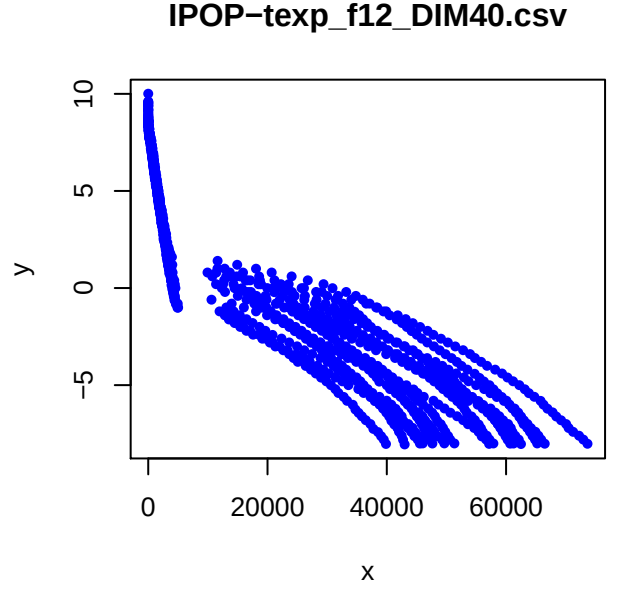
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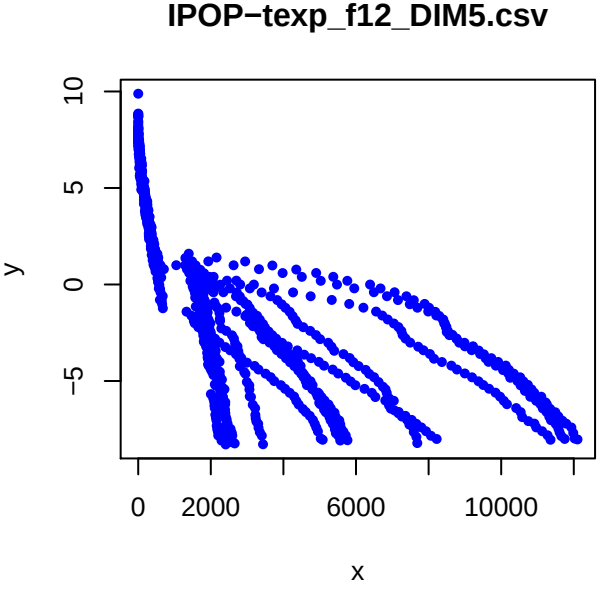
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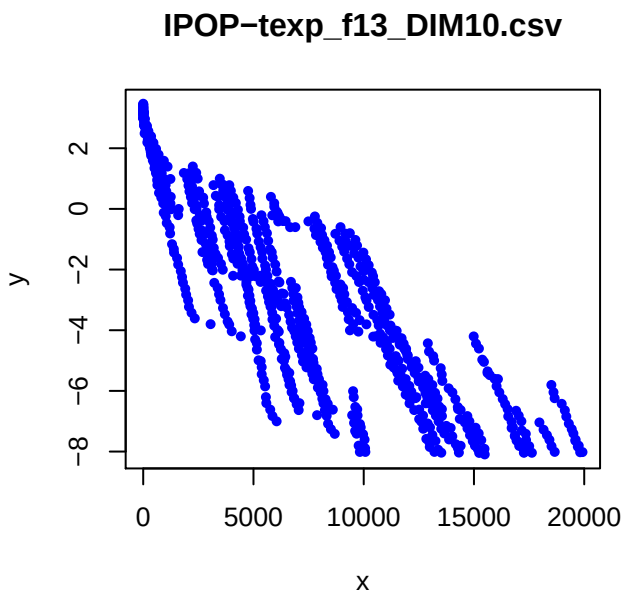
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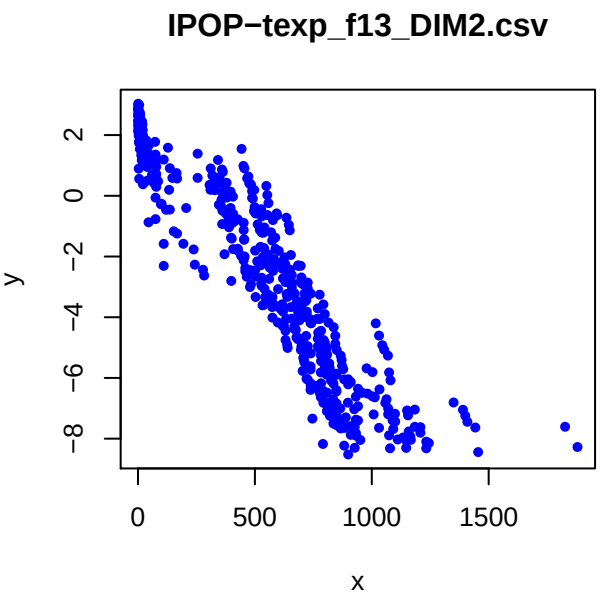
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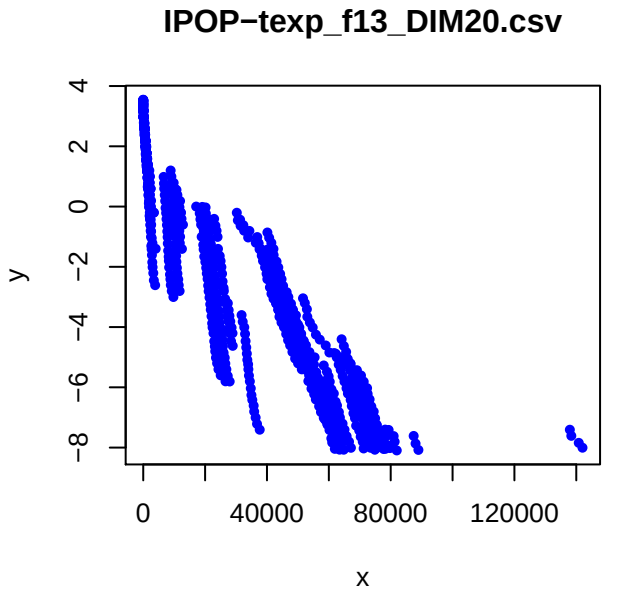
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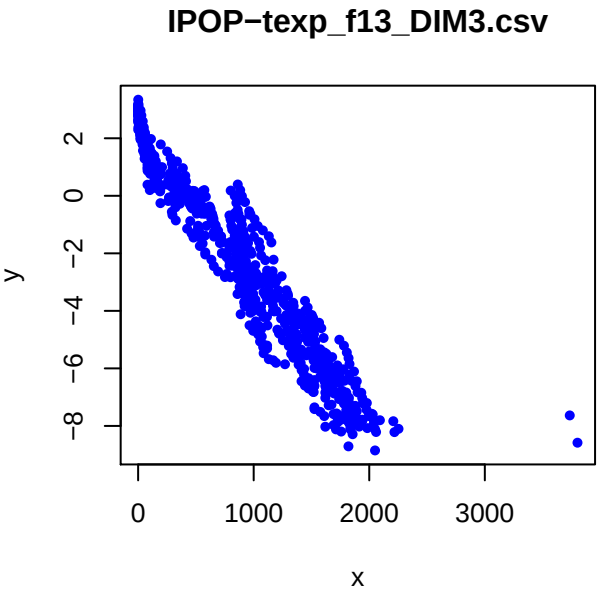
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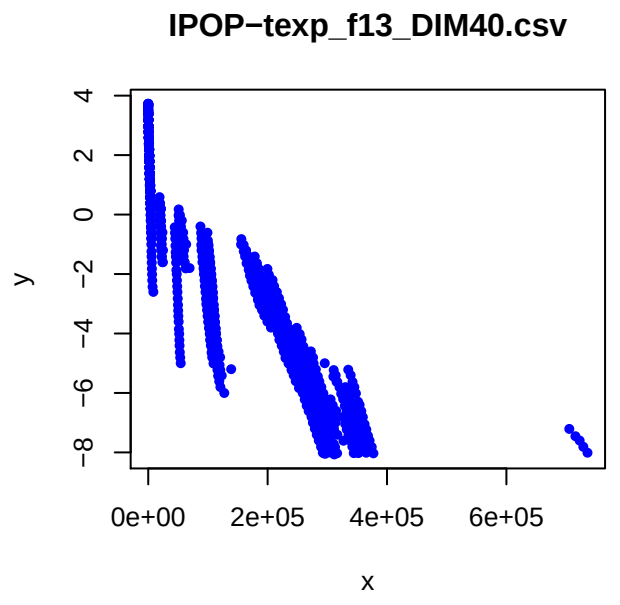
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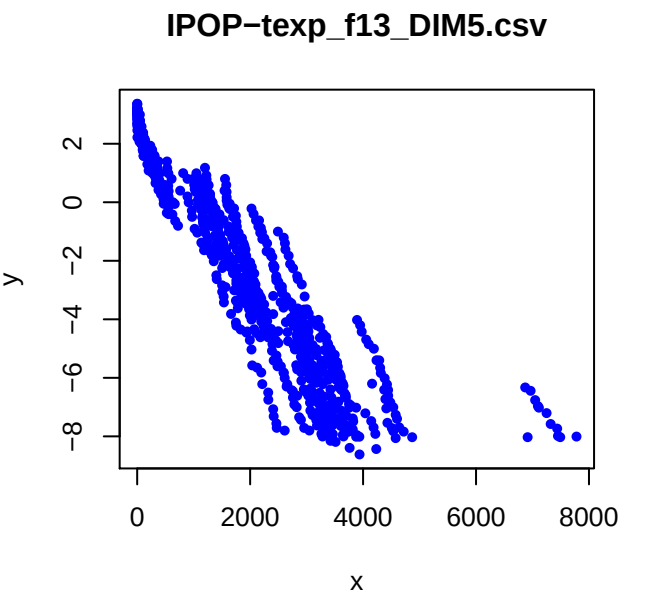
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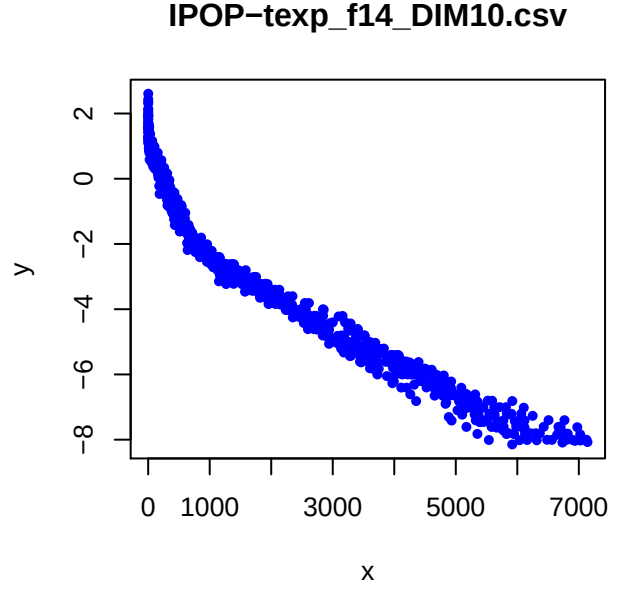
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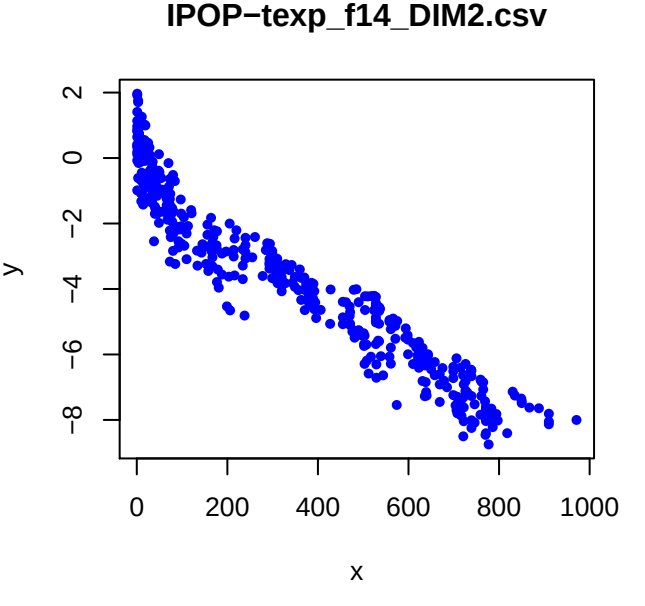
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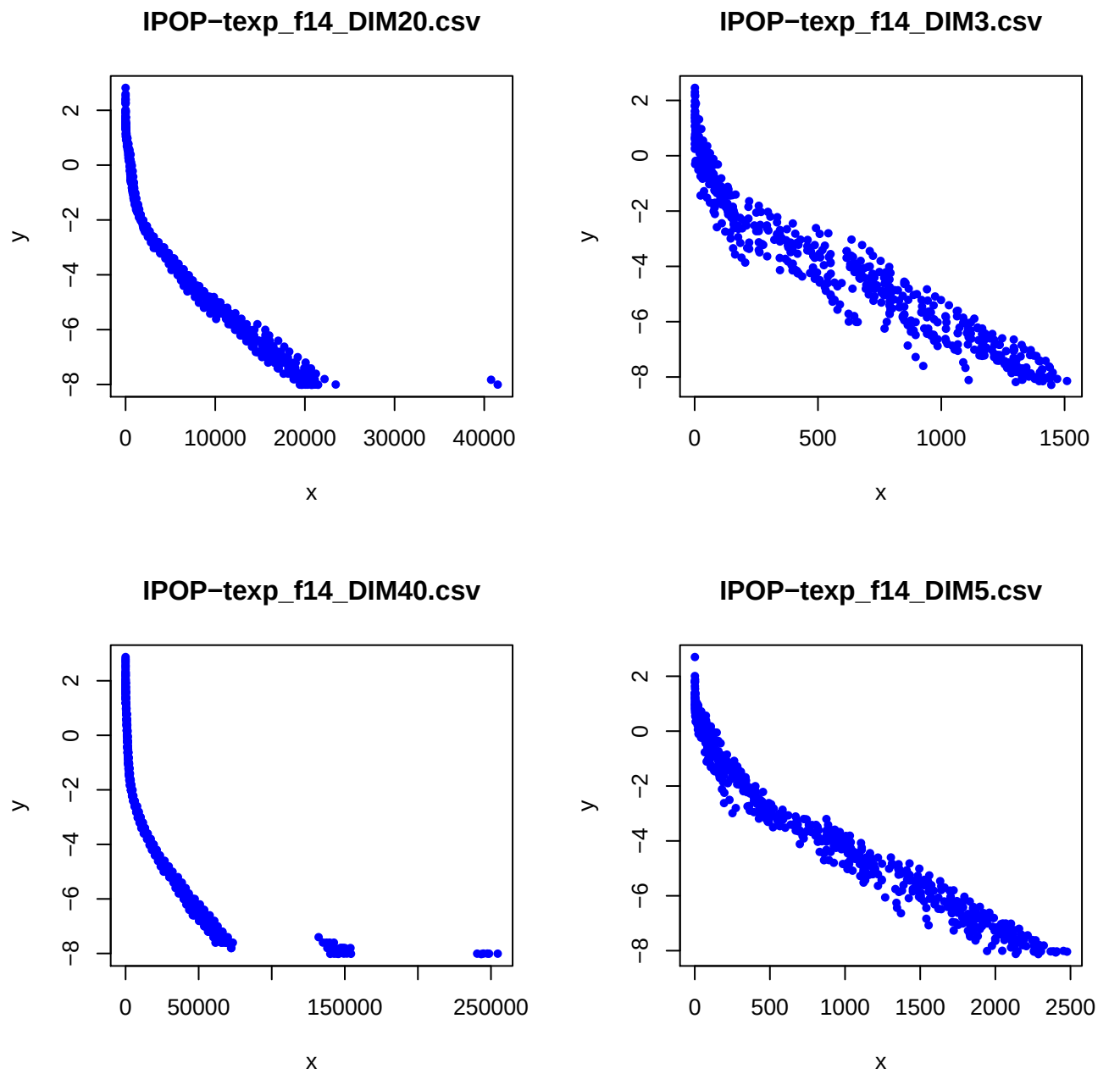
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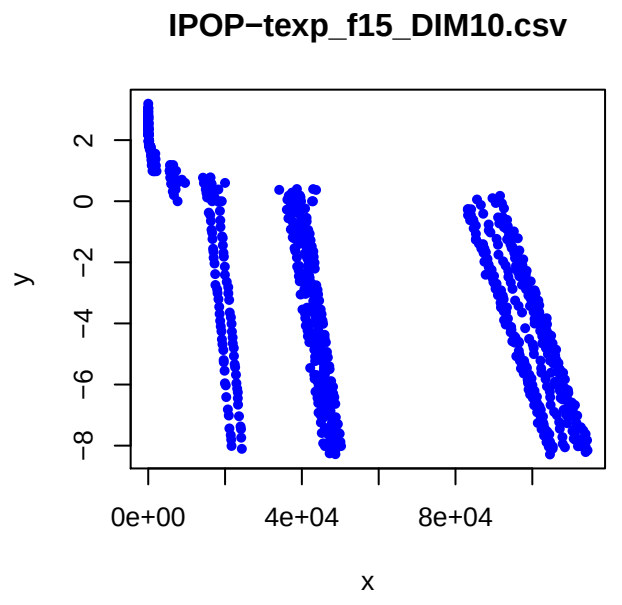
y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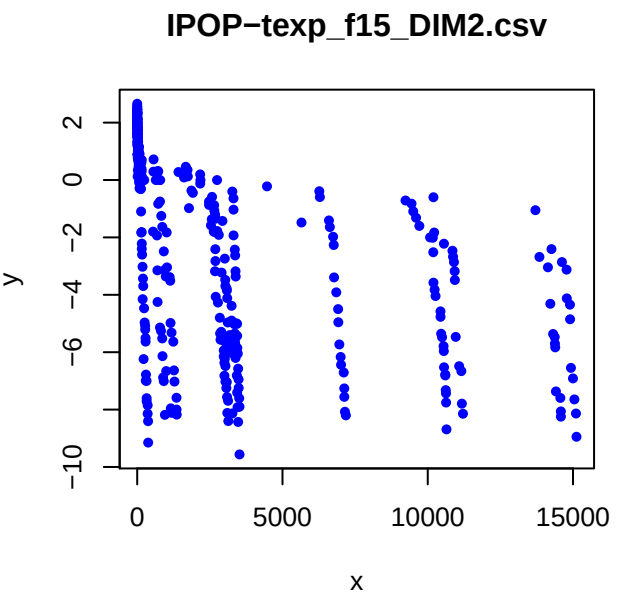
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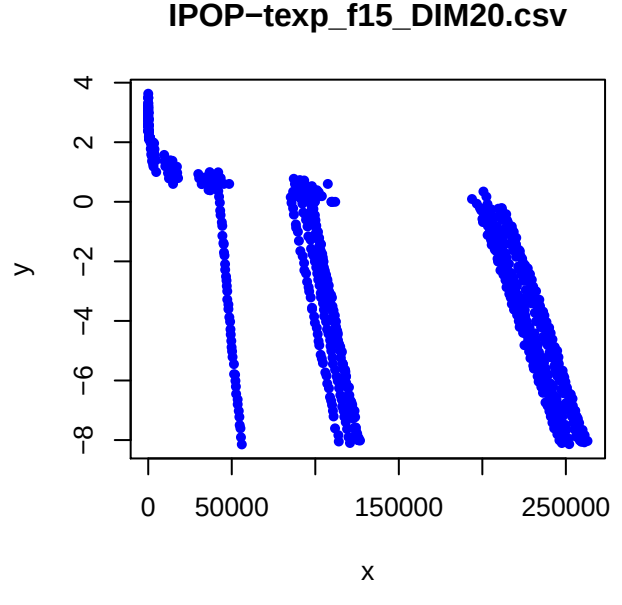
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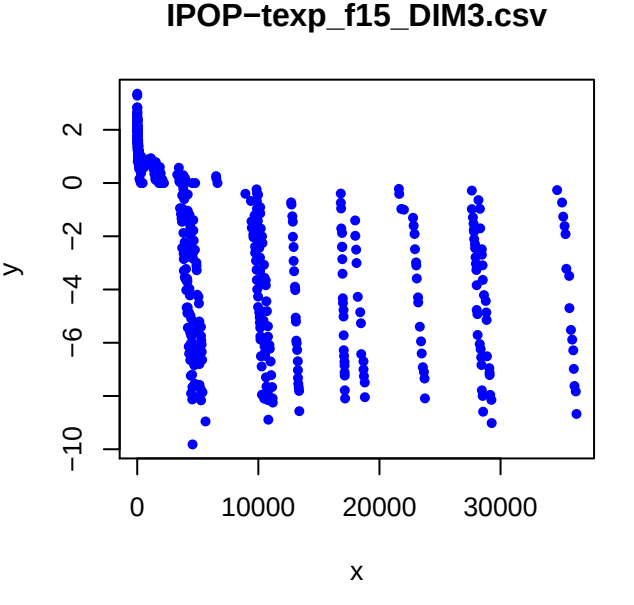
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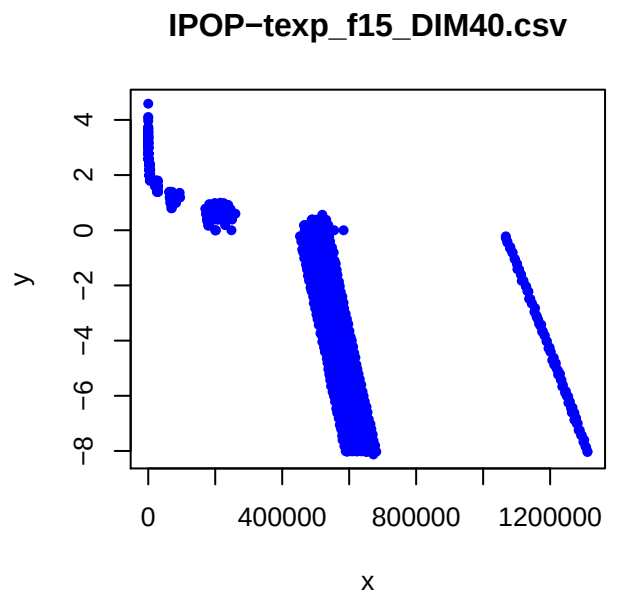
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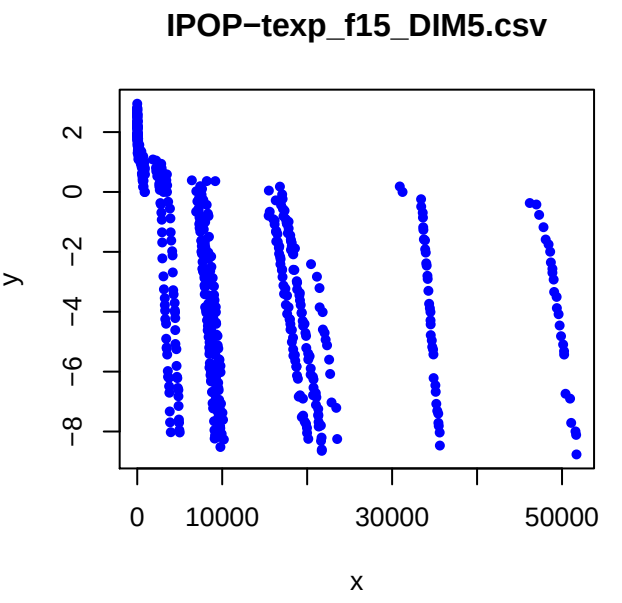
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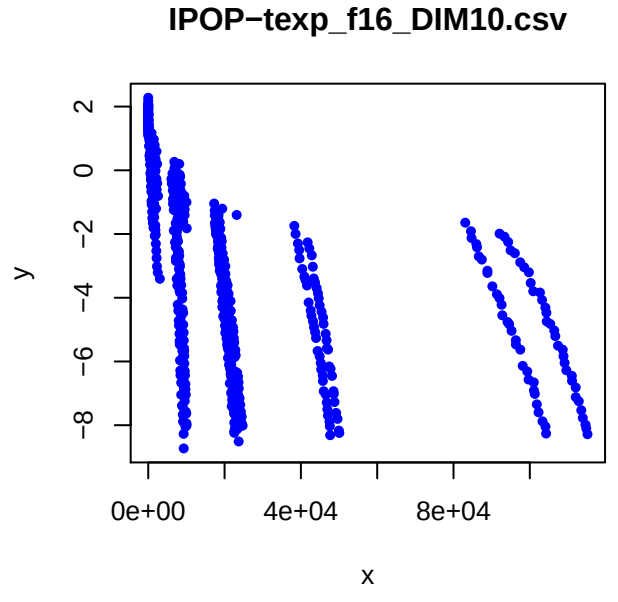
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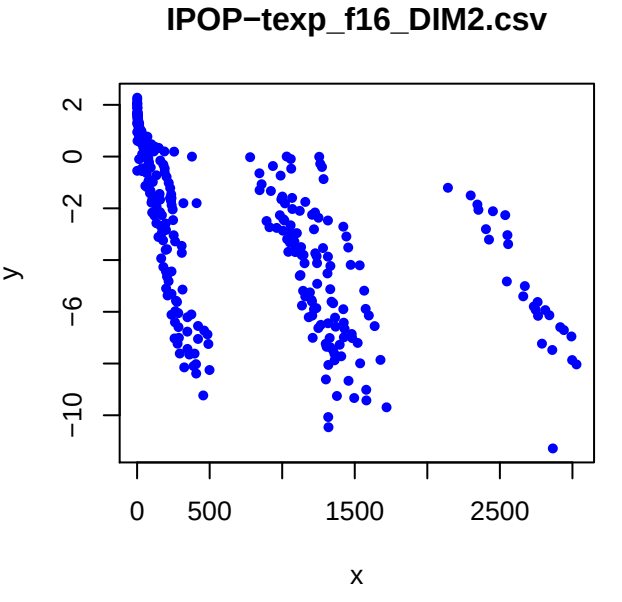
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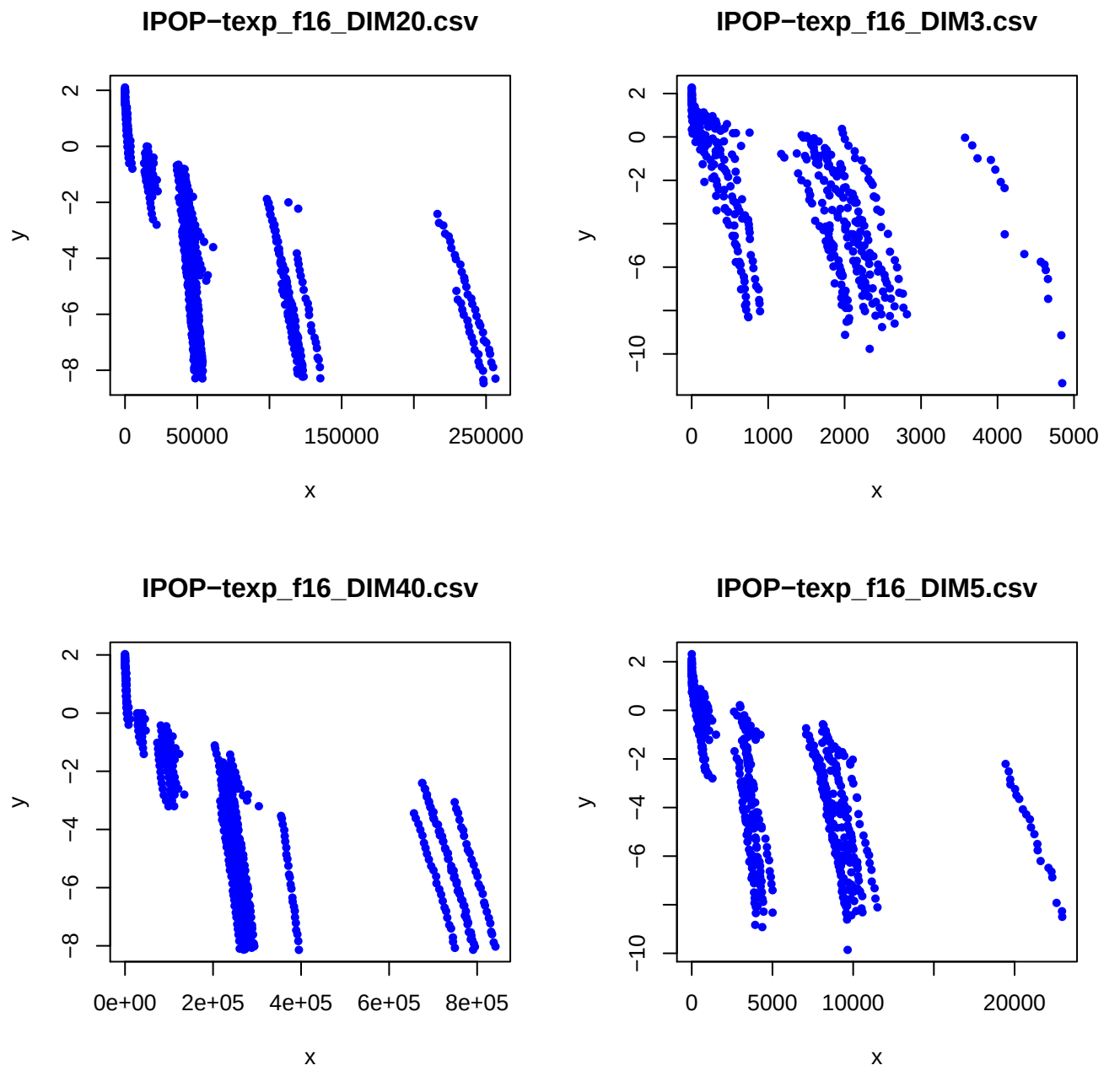
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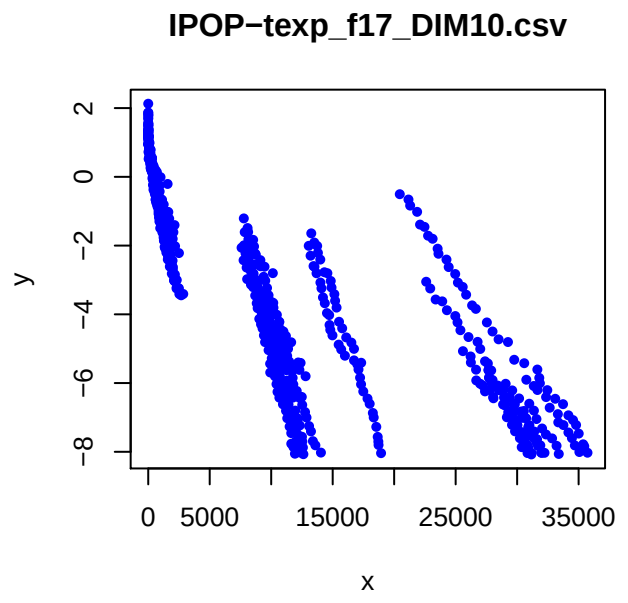
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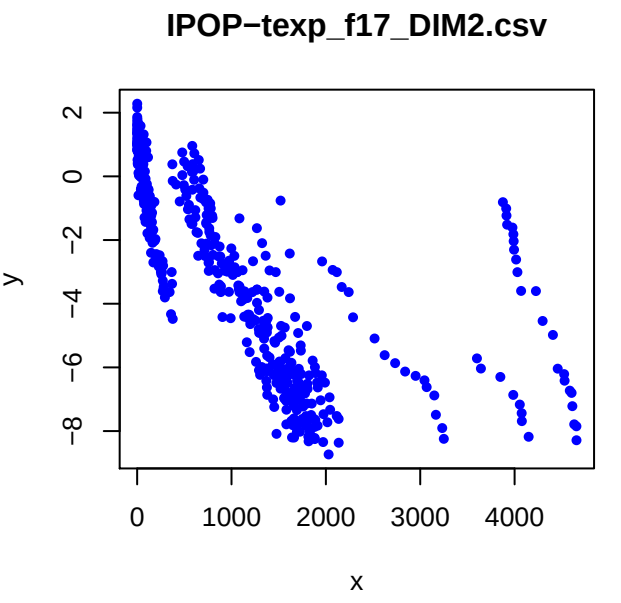
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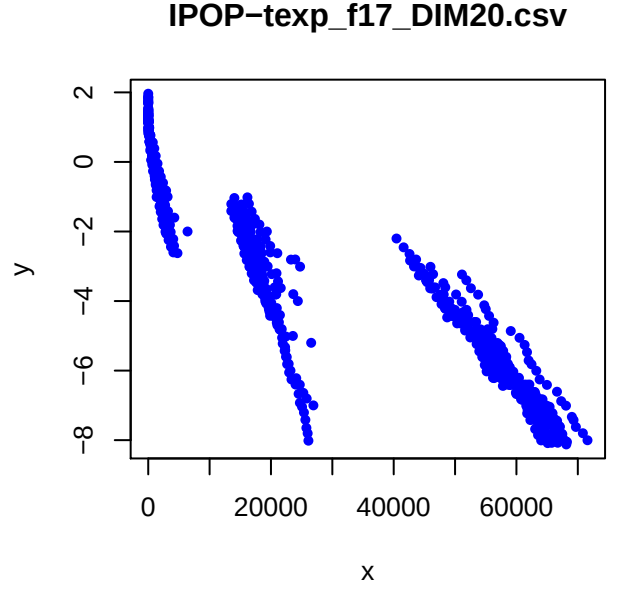
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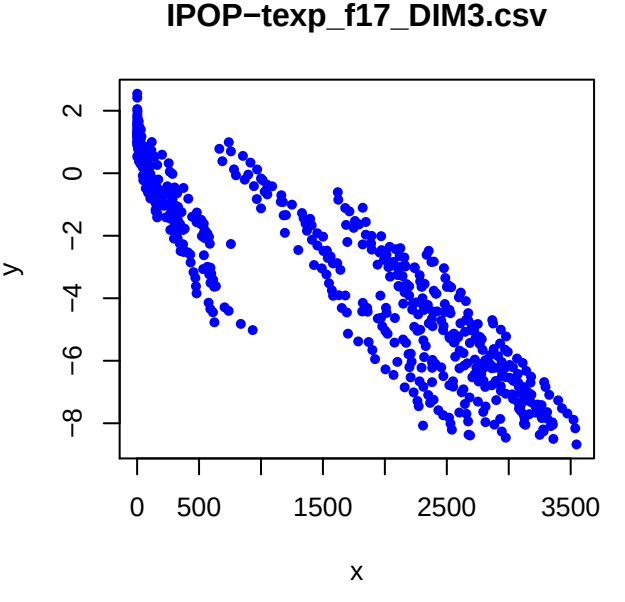
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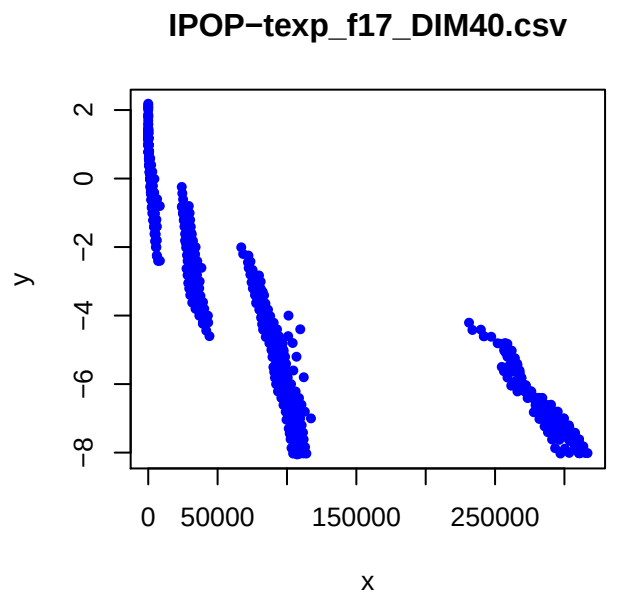
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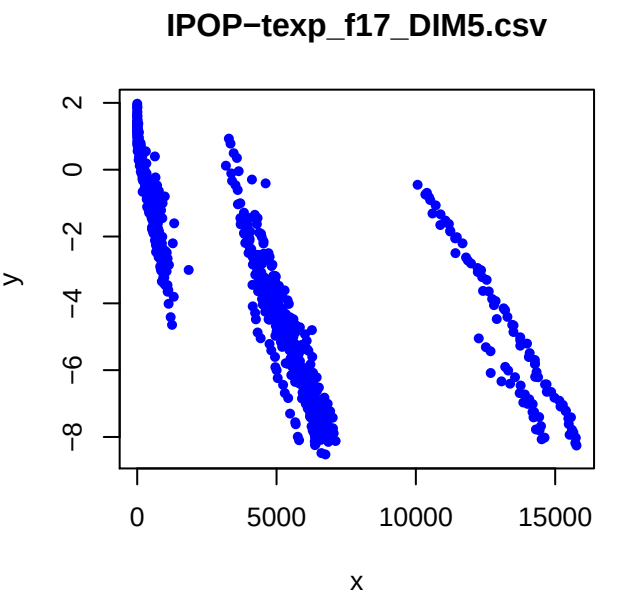
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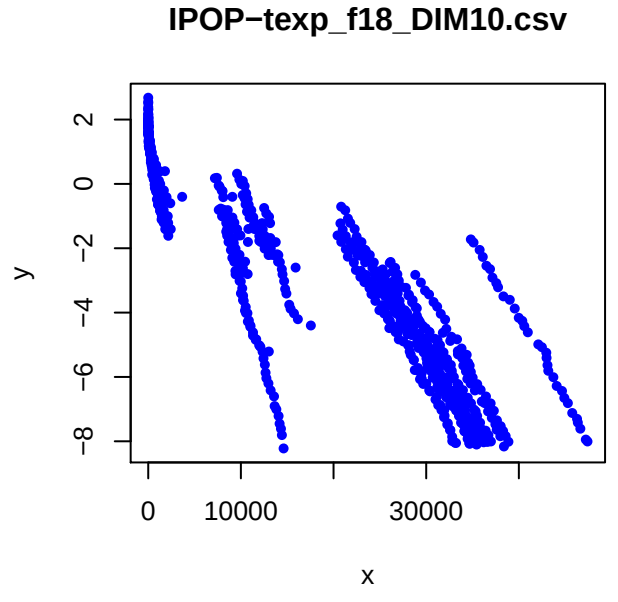
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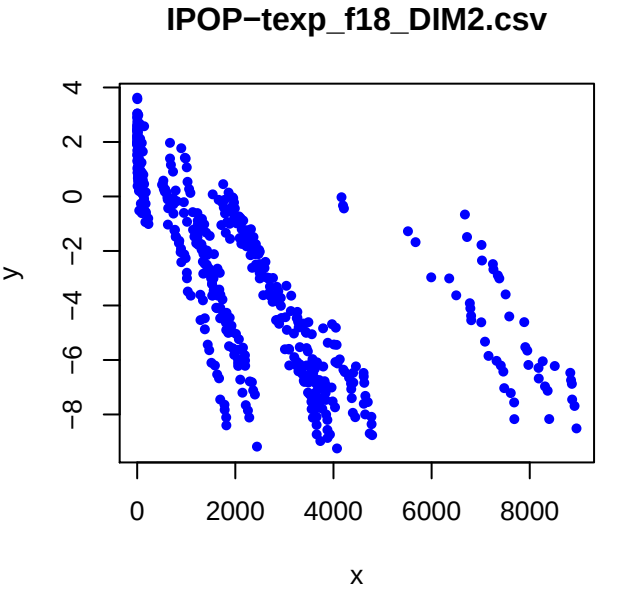
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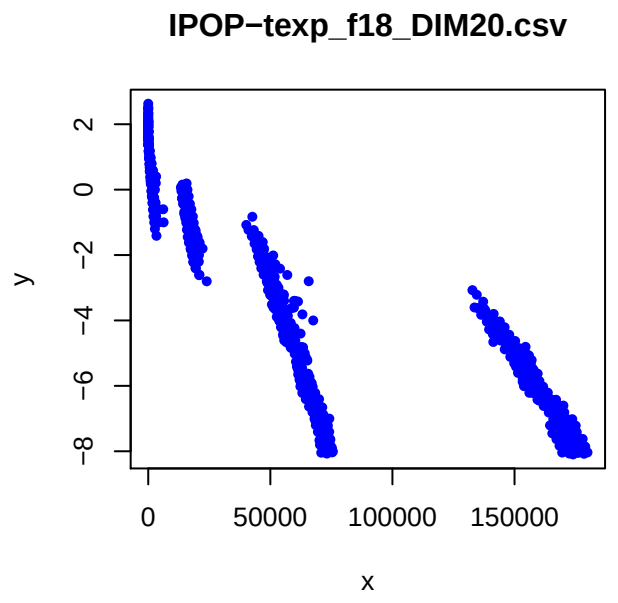
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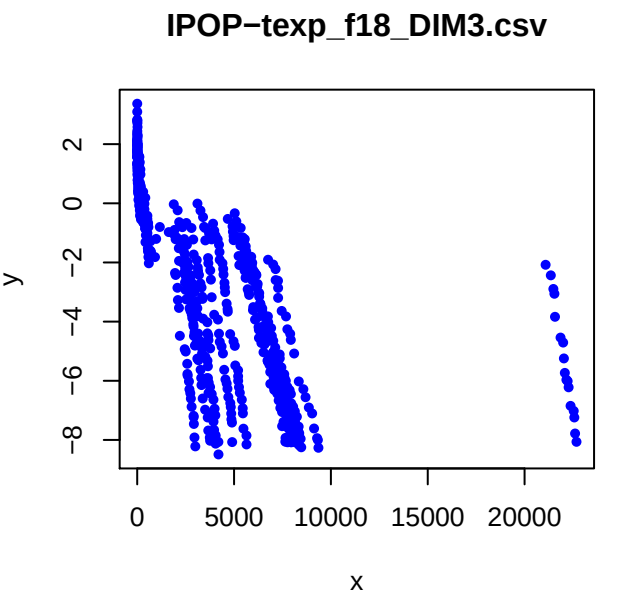
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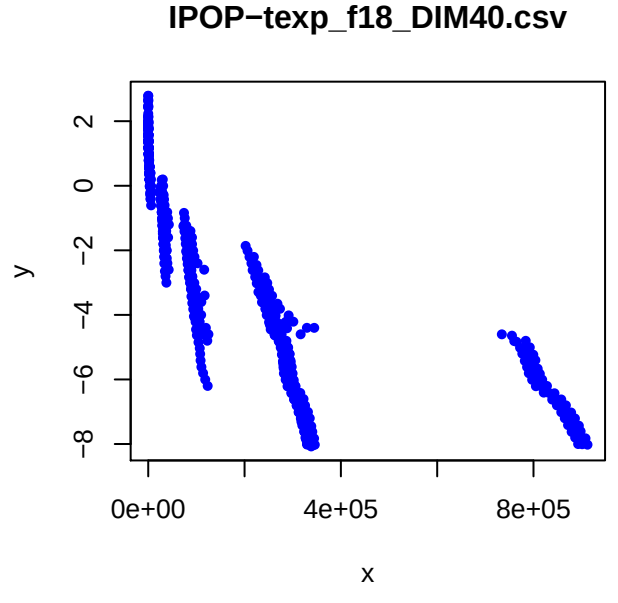
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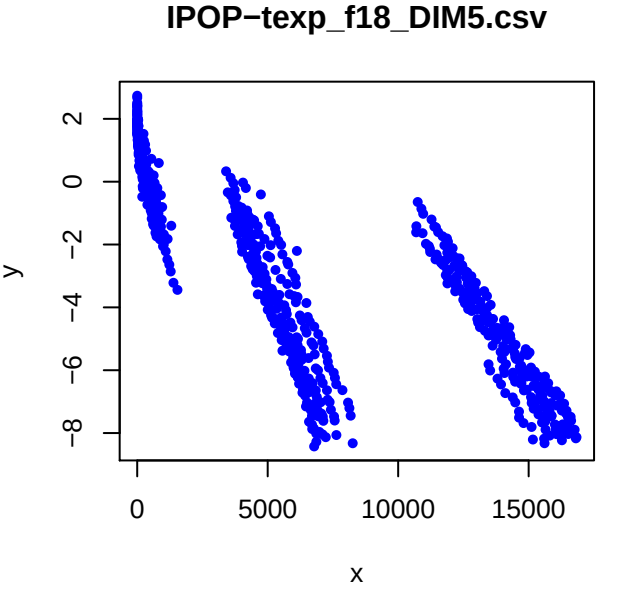
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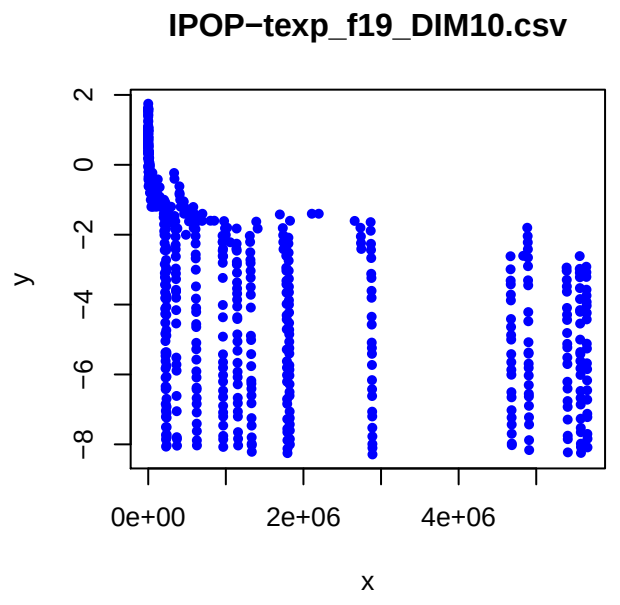
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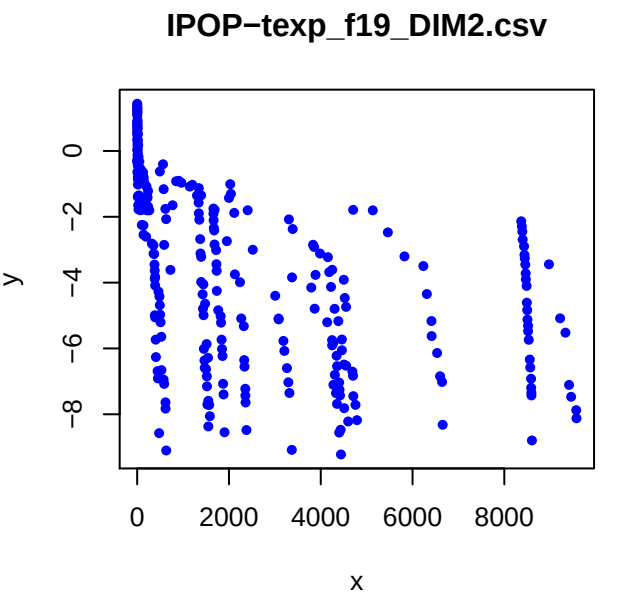
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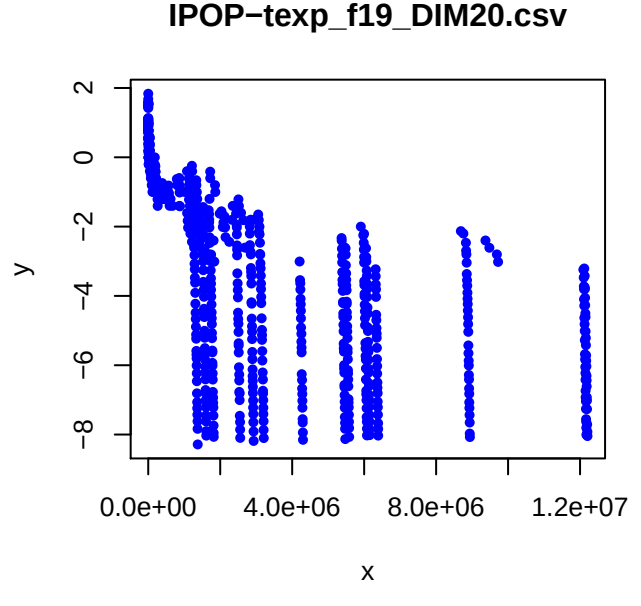
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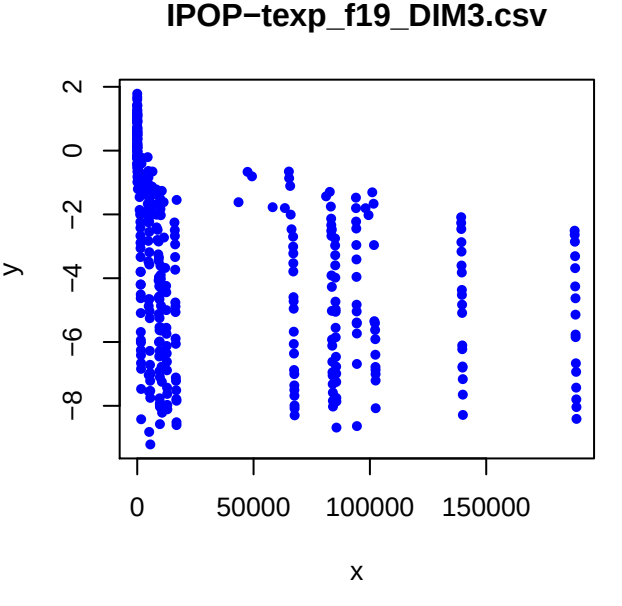
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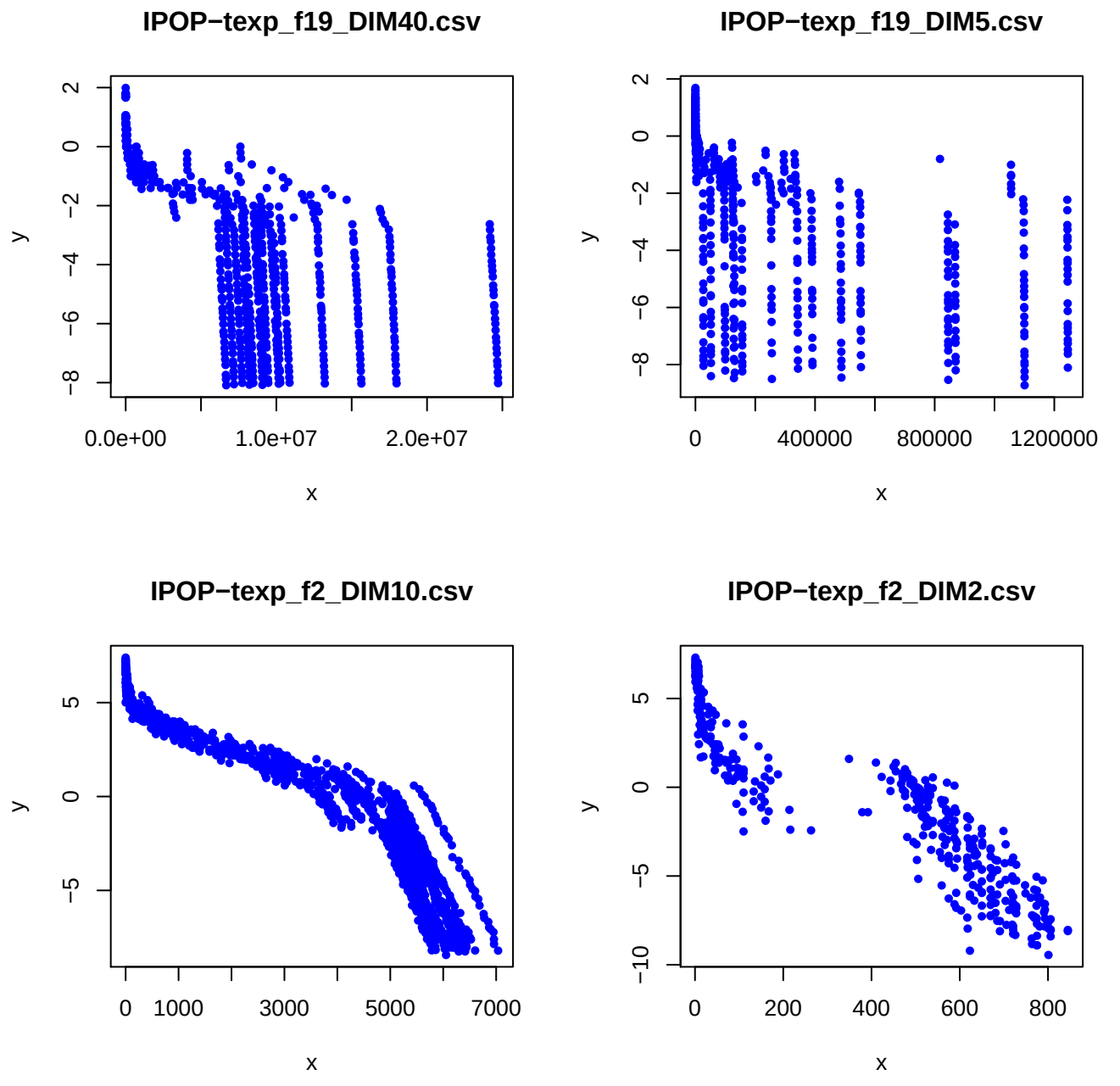
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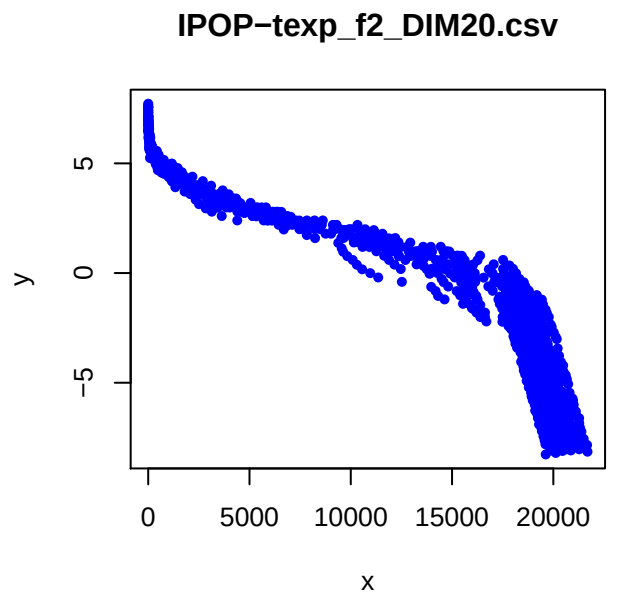
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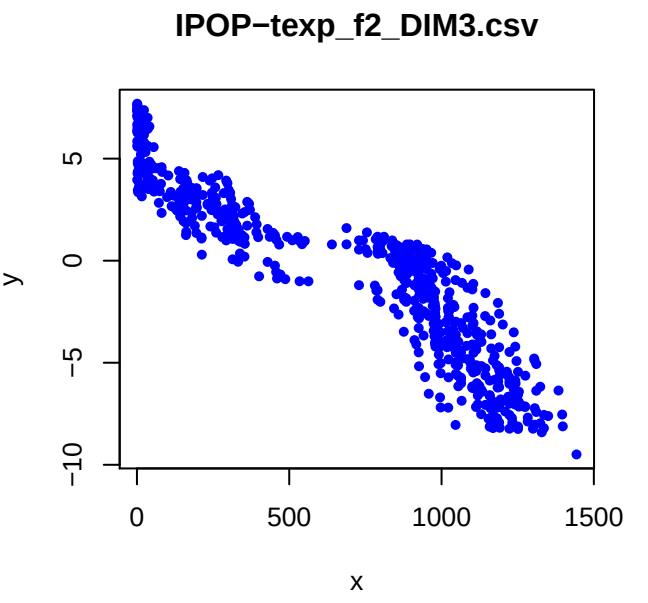
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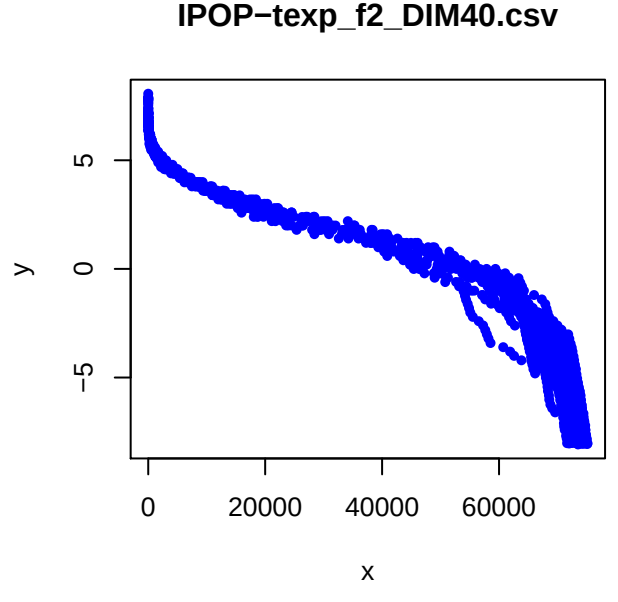
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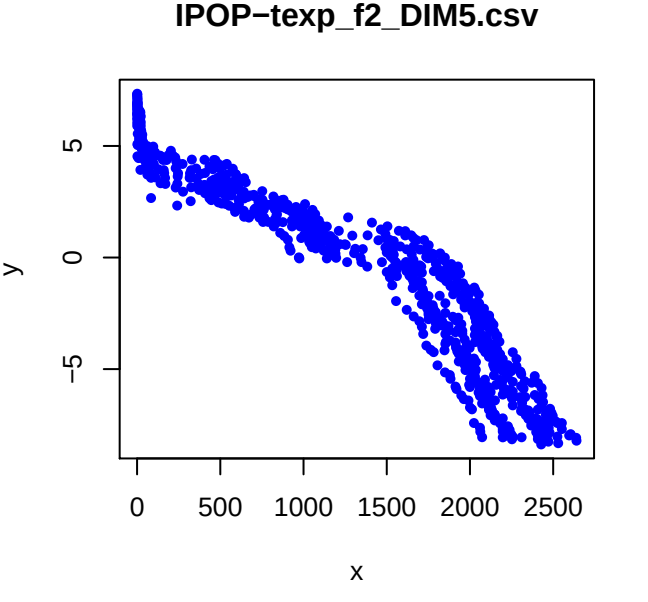
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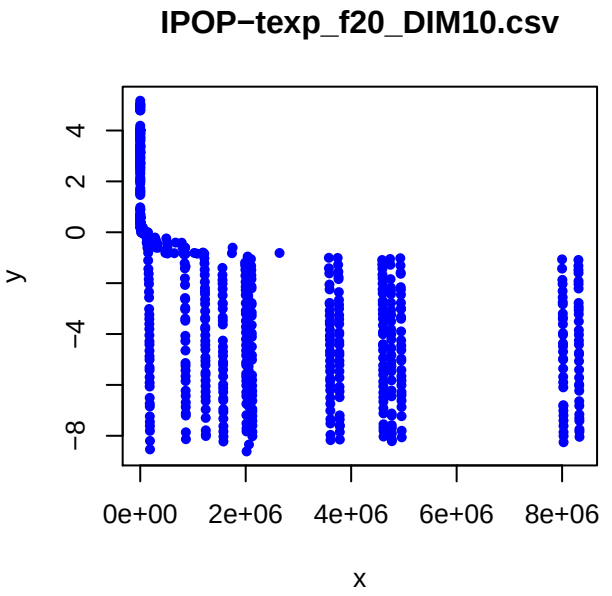
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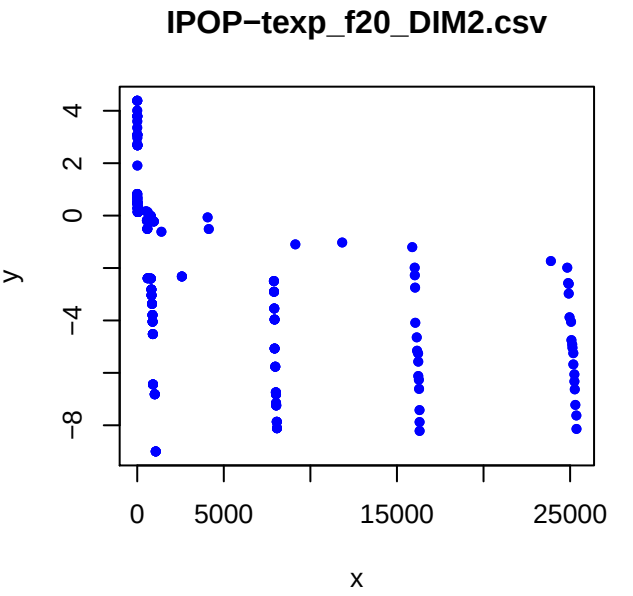
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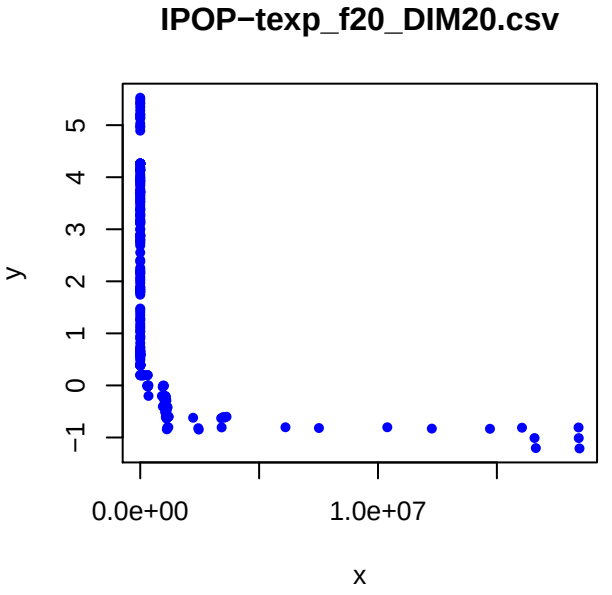
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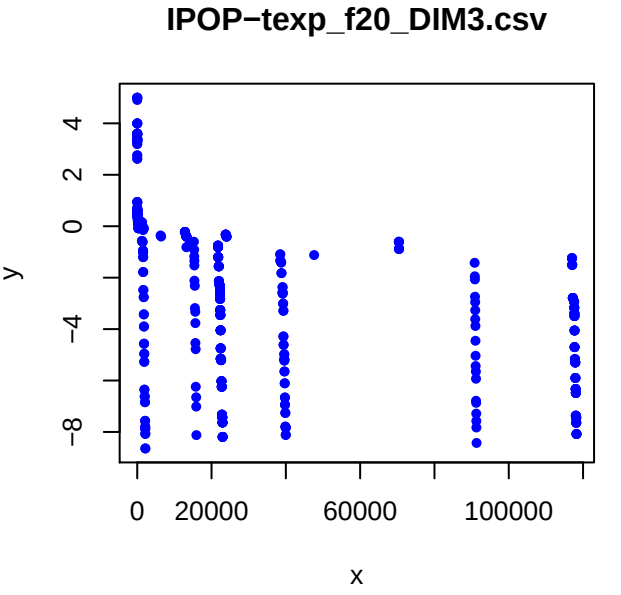
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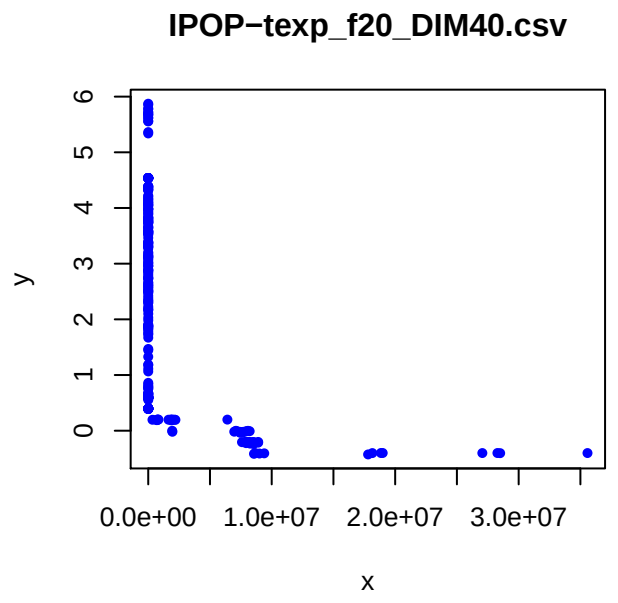
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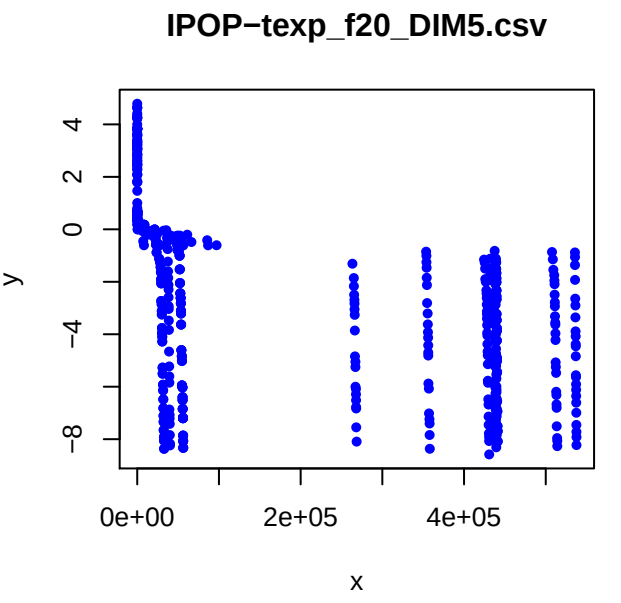
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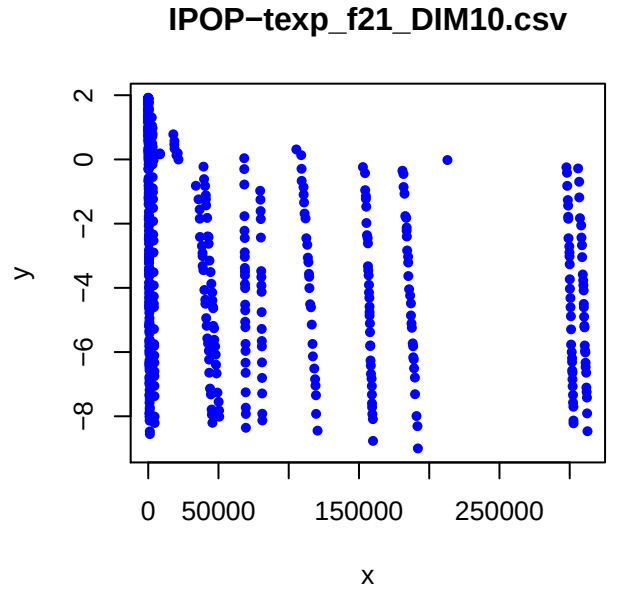
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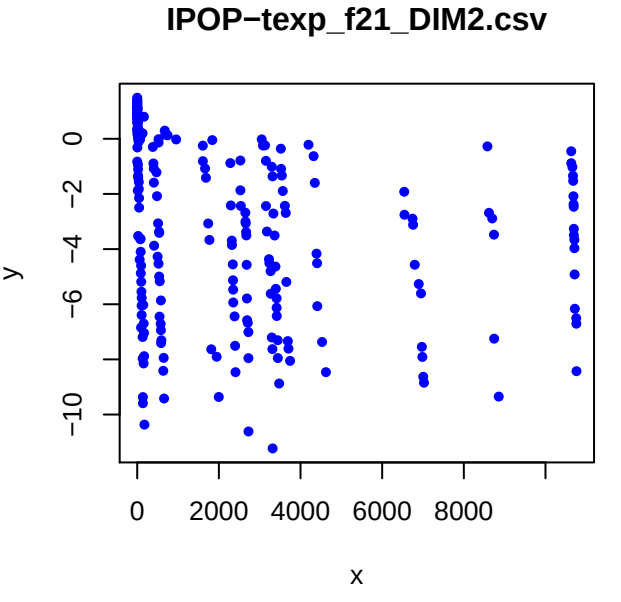
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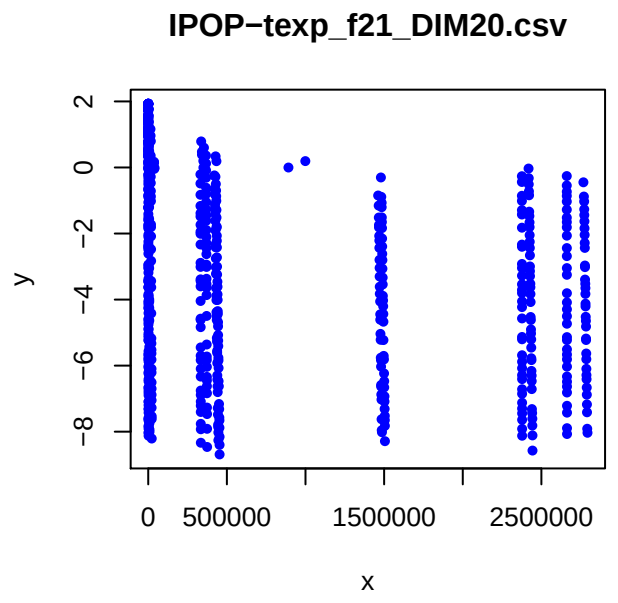
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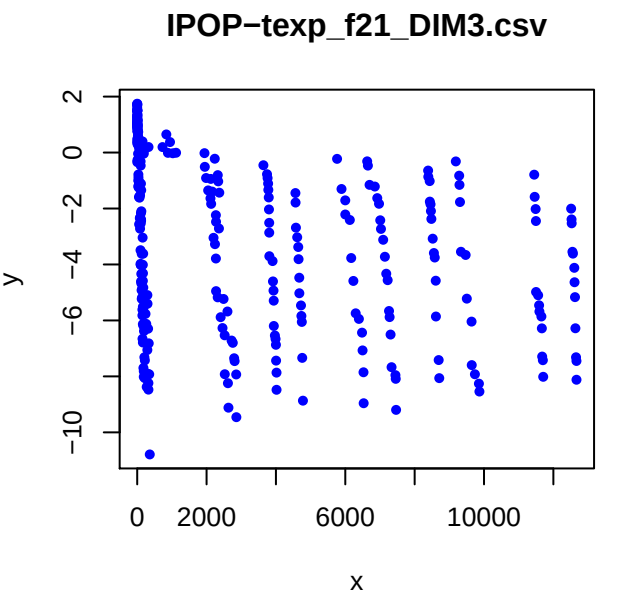
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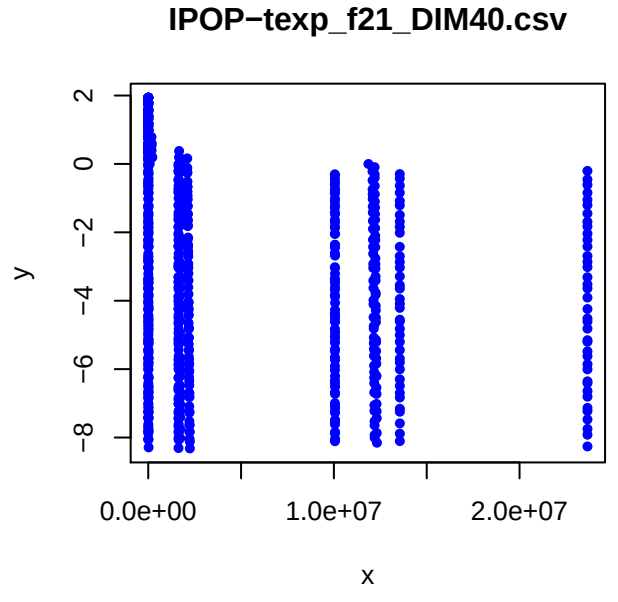
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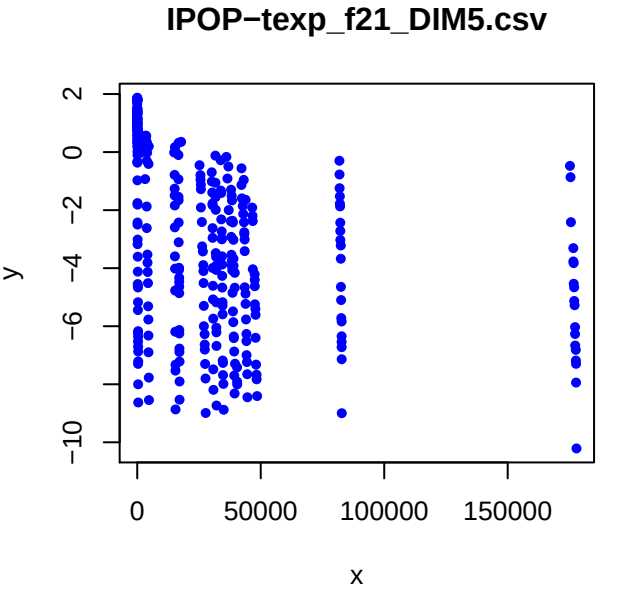
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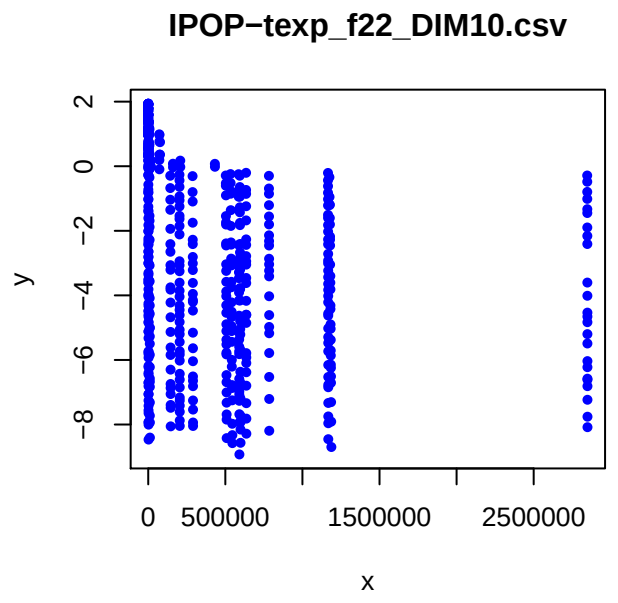
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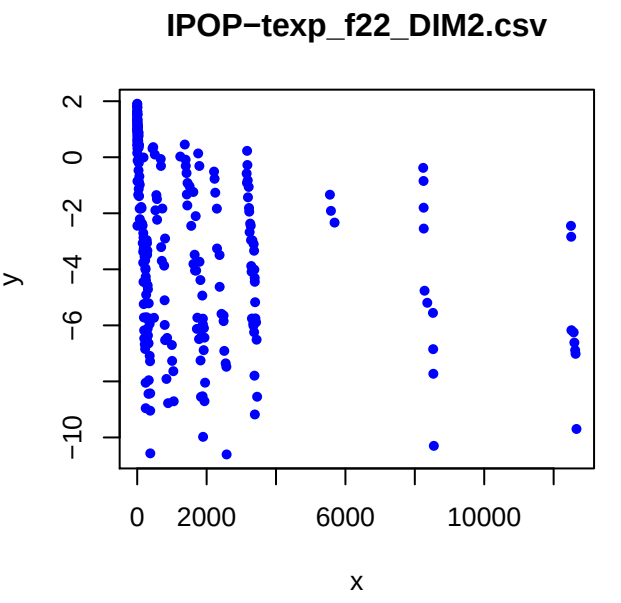
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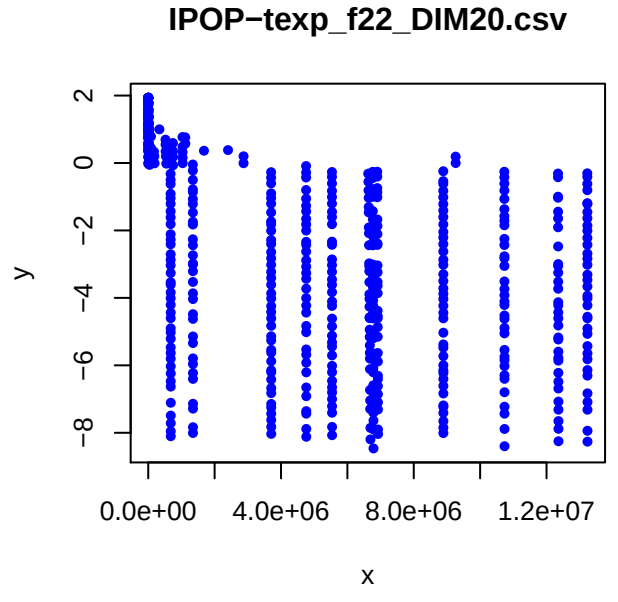
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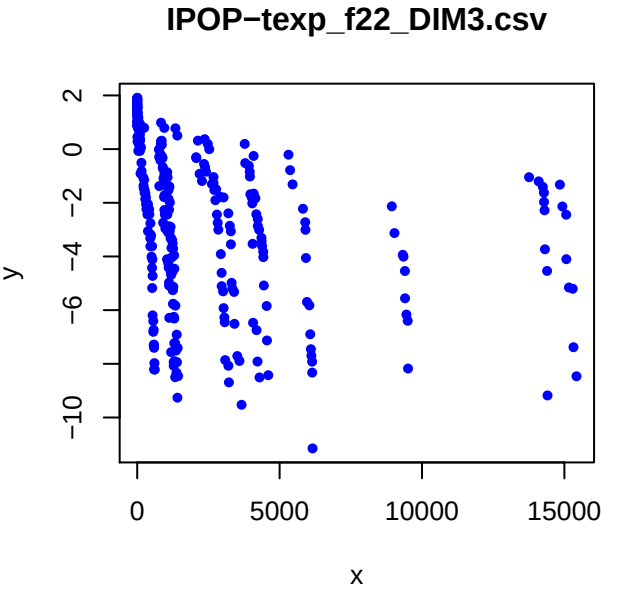
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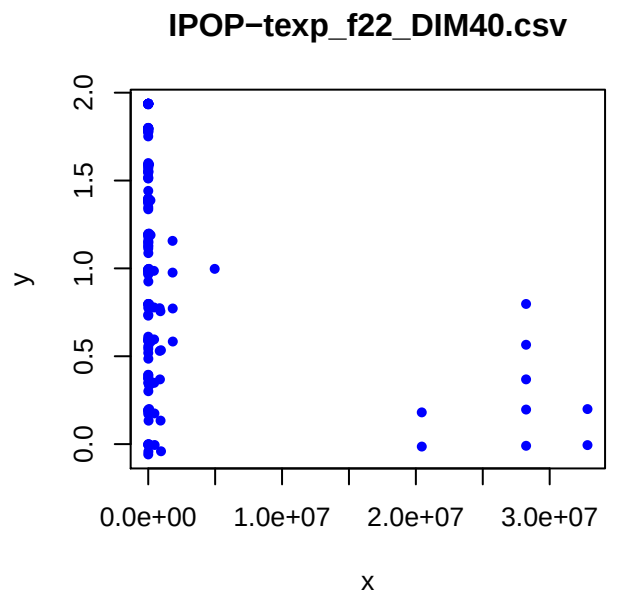
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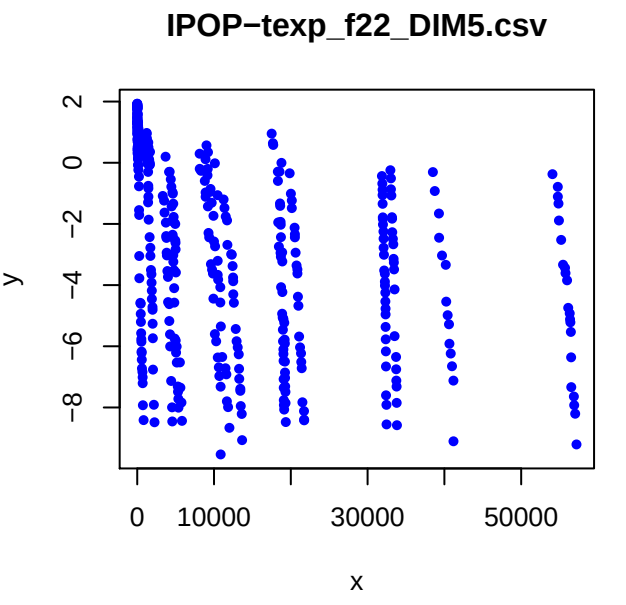
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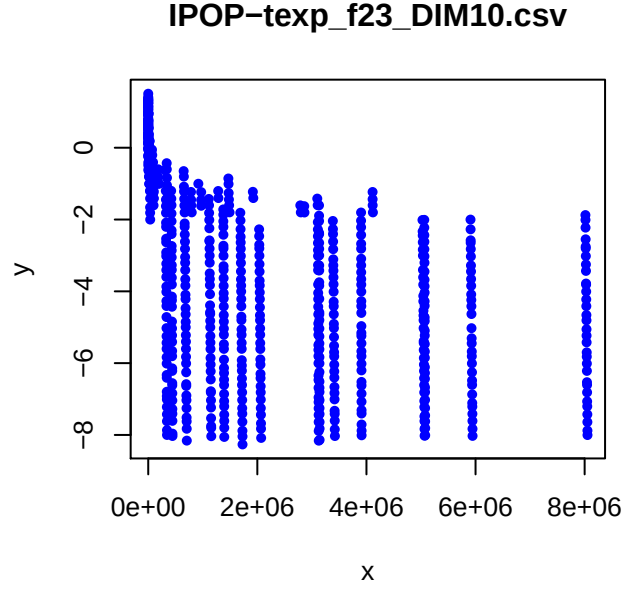
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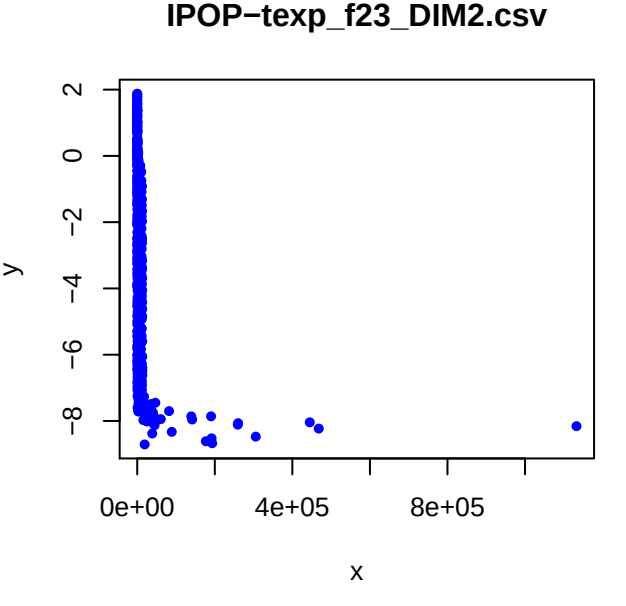
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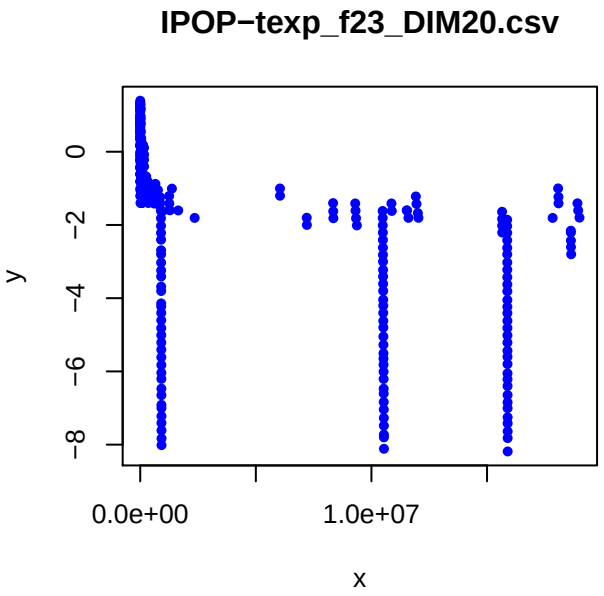
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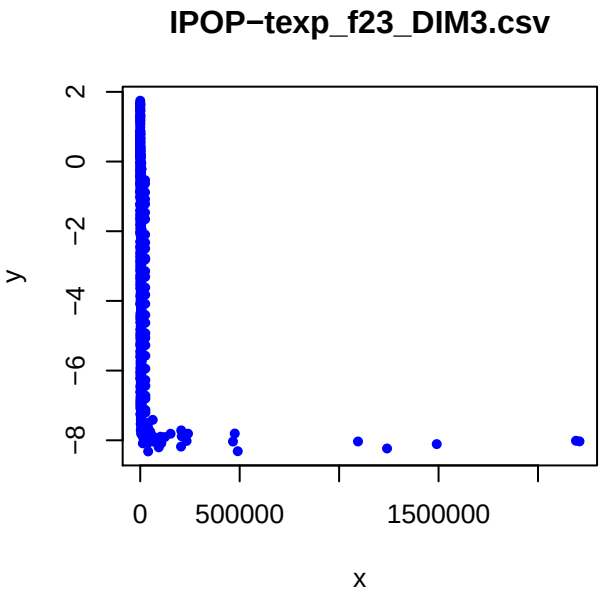
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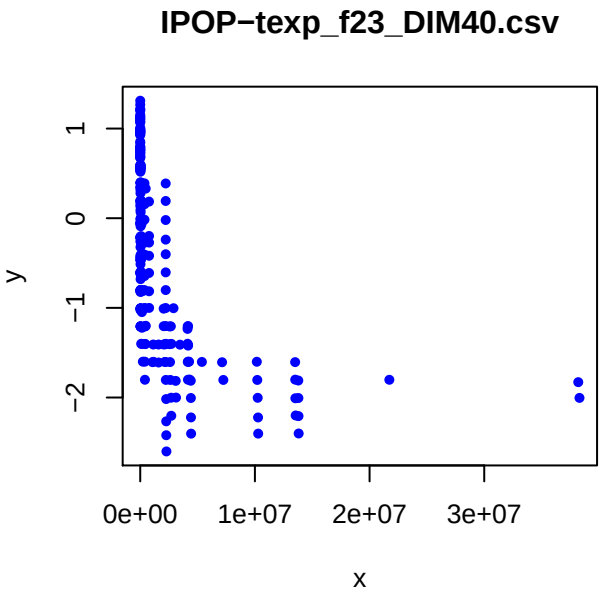
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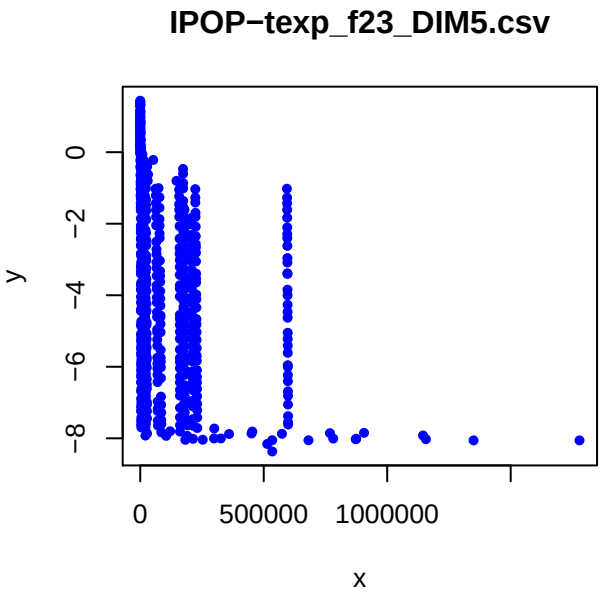
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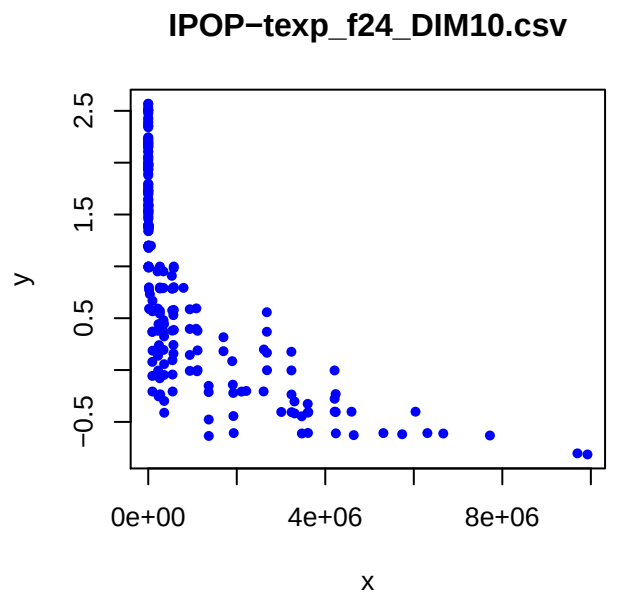
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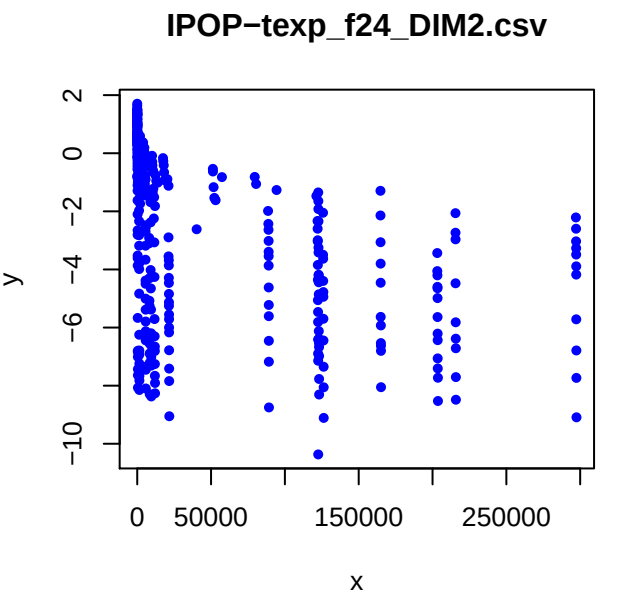
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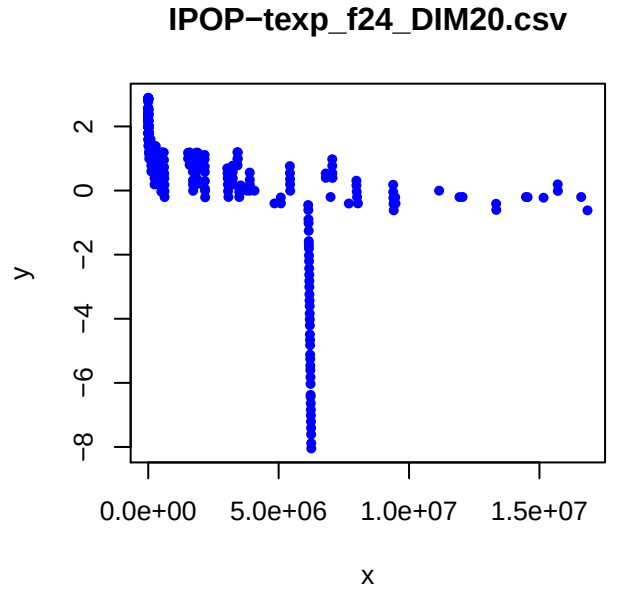
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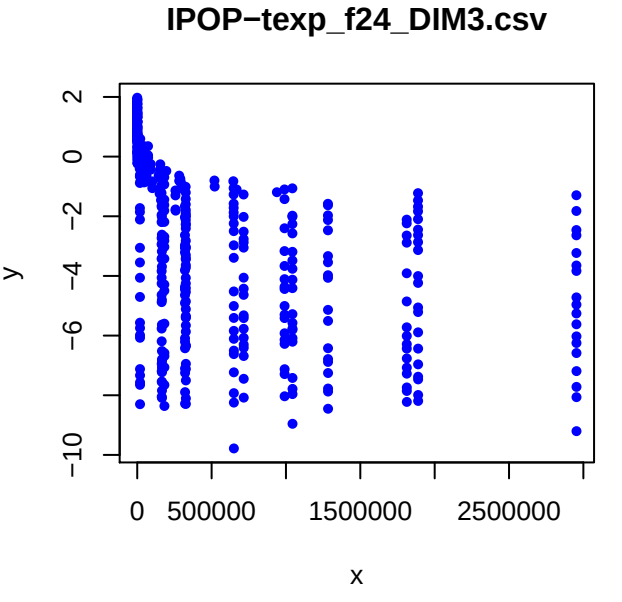
x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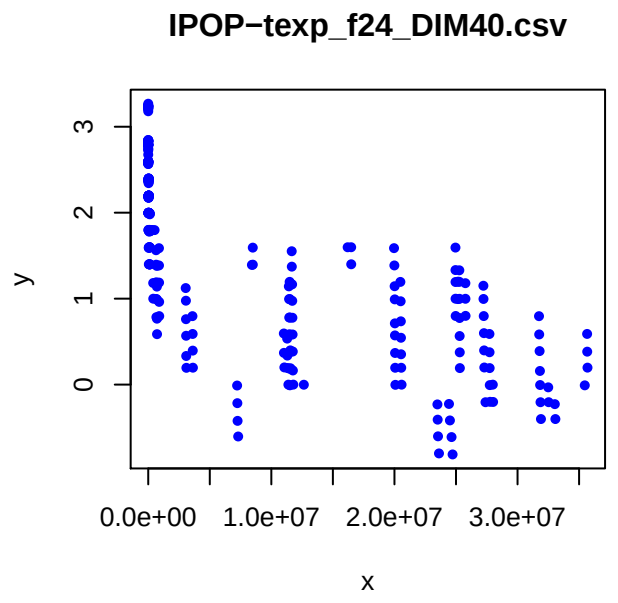
x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x
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0.0e+00
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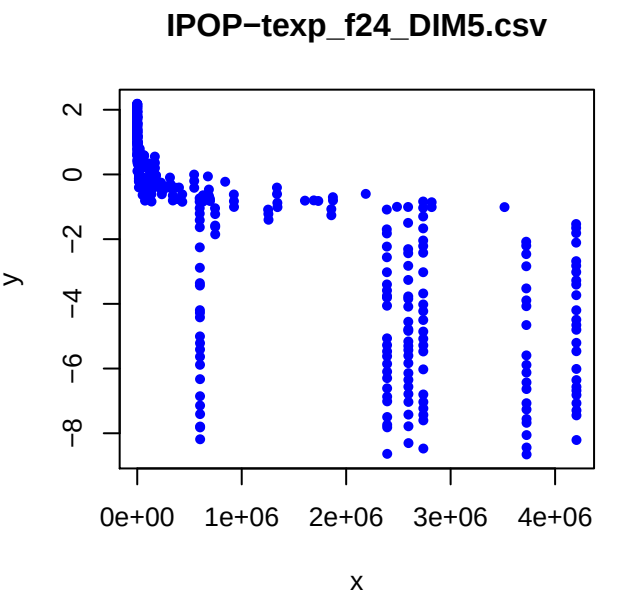
2.0e+07
3.0e+07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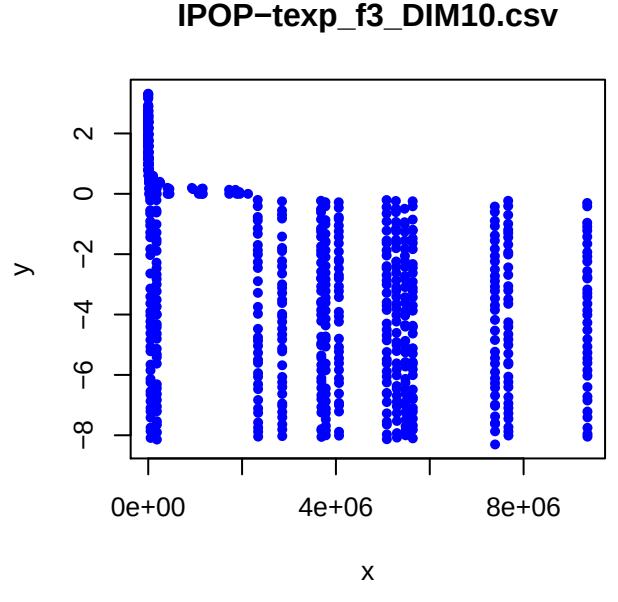
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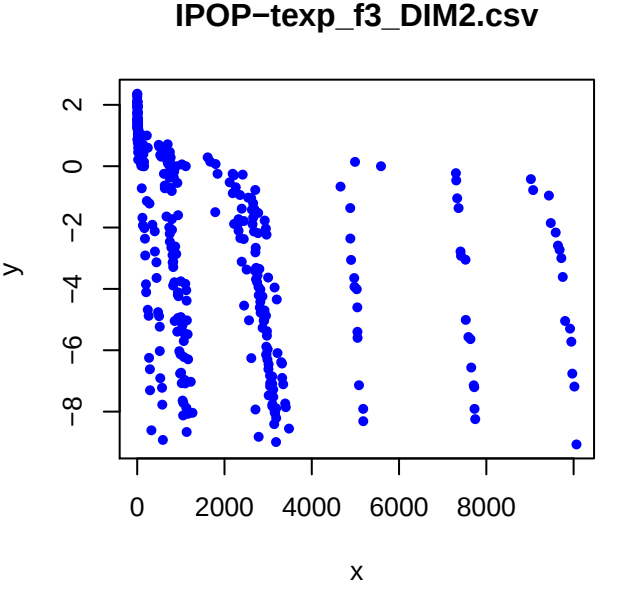
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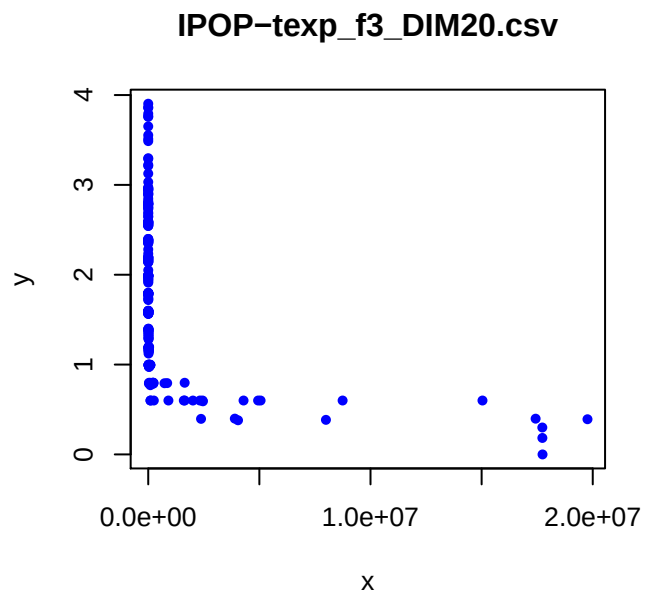
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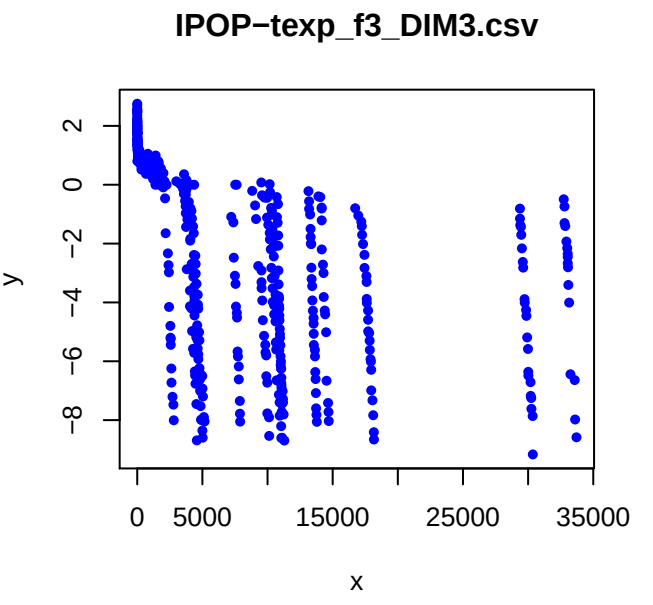
2.0e+07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25000
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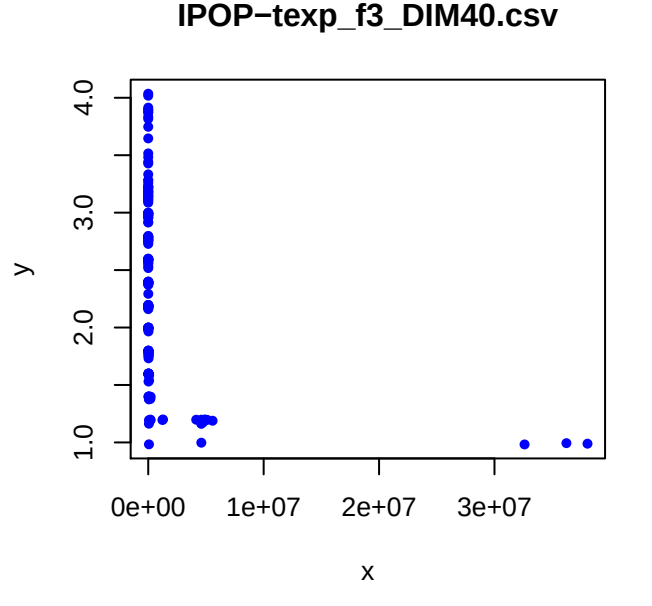
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x
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3.0
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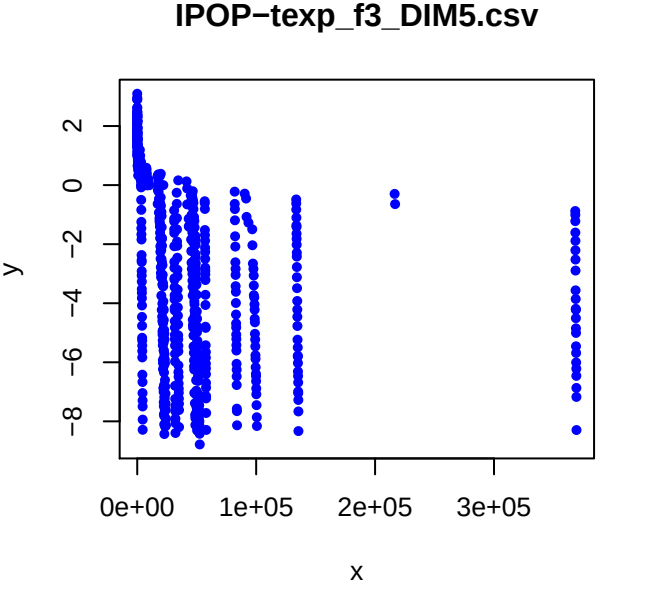
3e+07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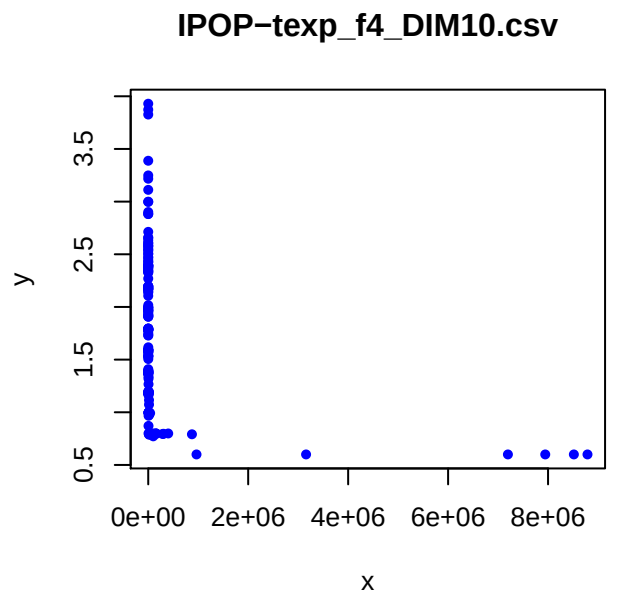
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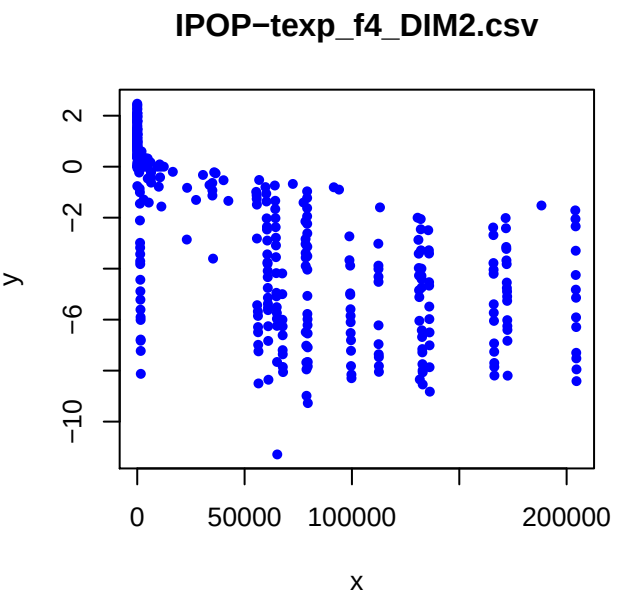
x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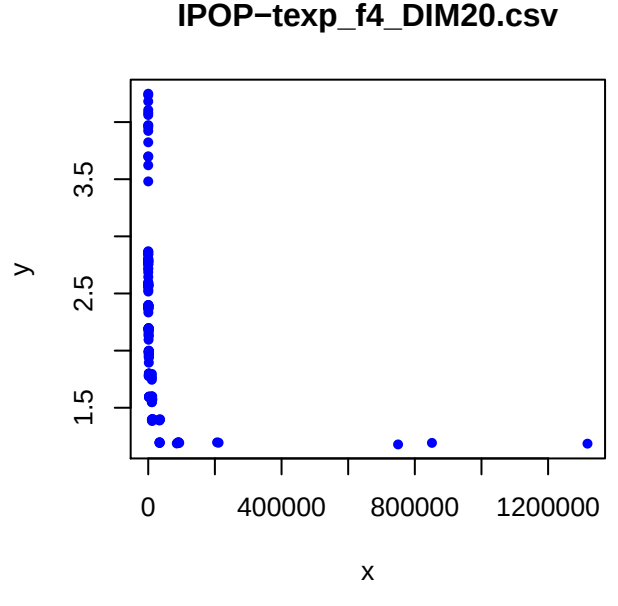
x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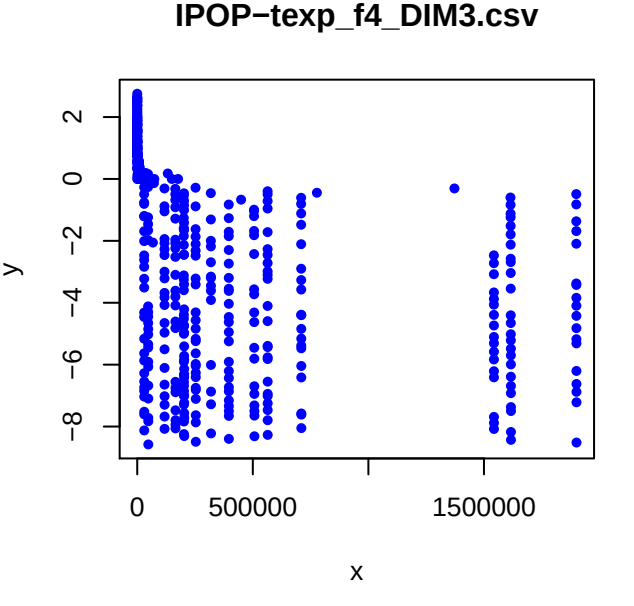
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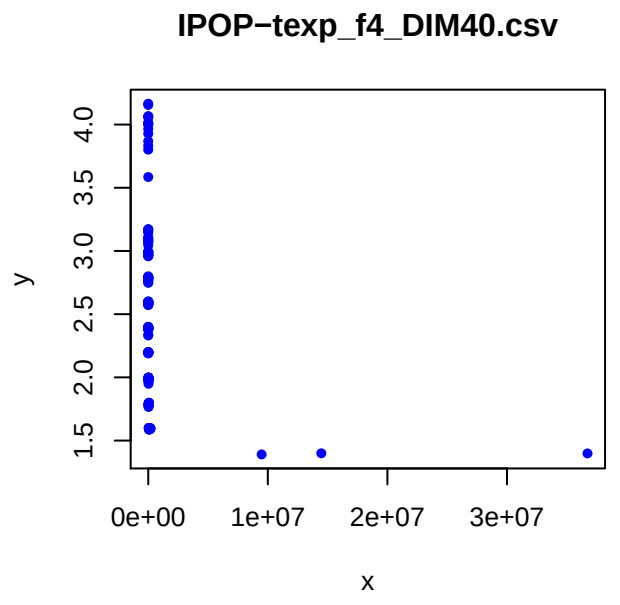
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1.5
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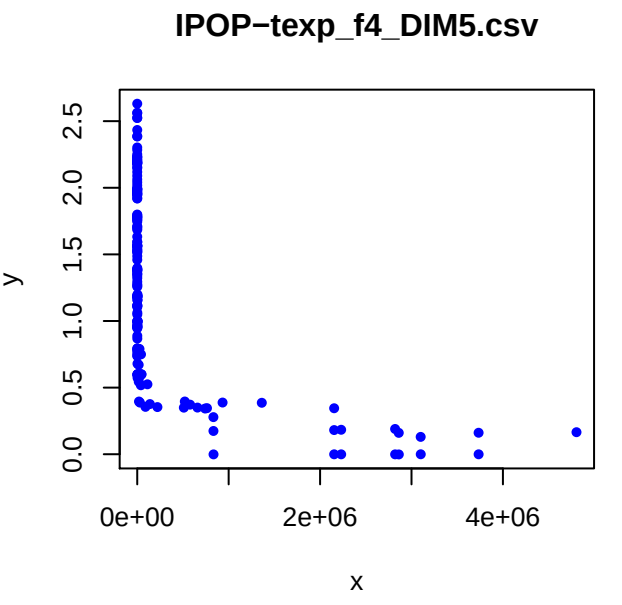
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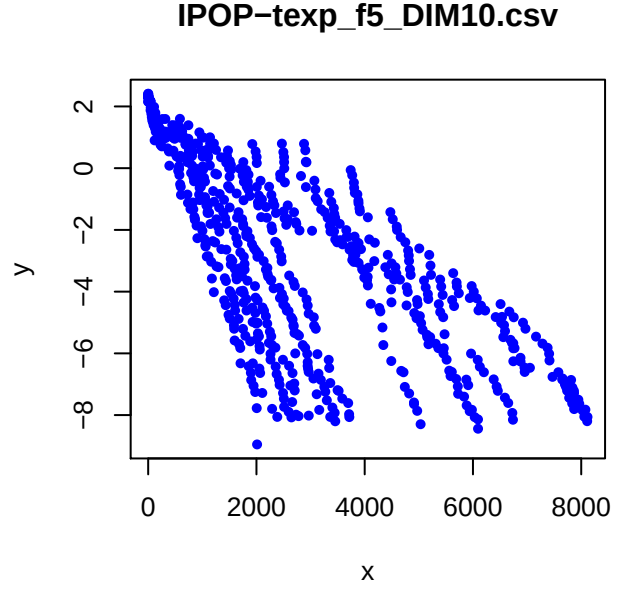
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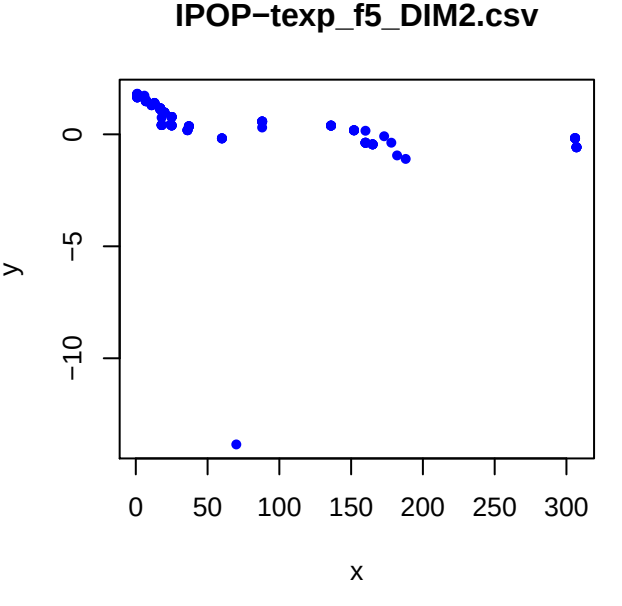
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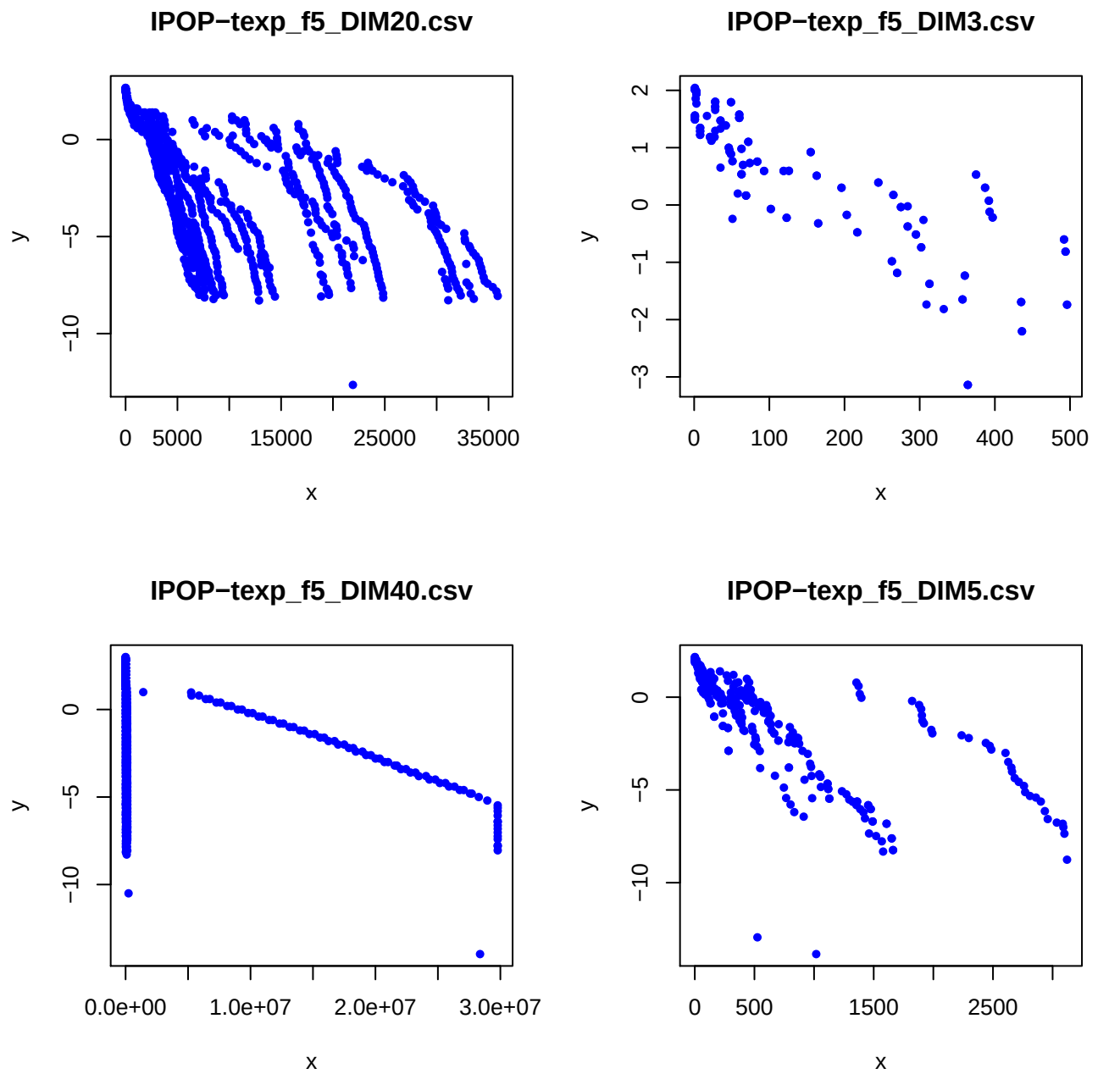
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−2
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300
400
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x
IPOP−texp_f5_DIM40.csv
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2.0e+07
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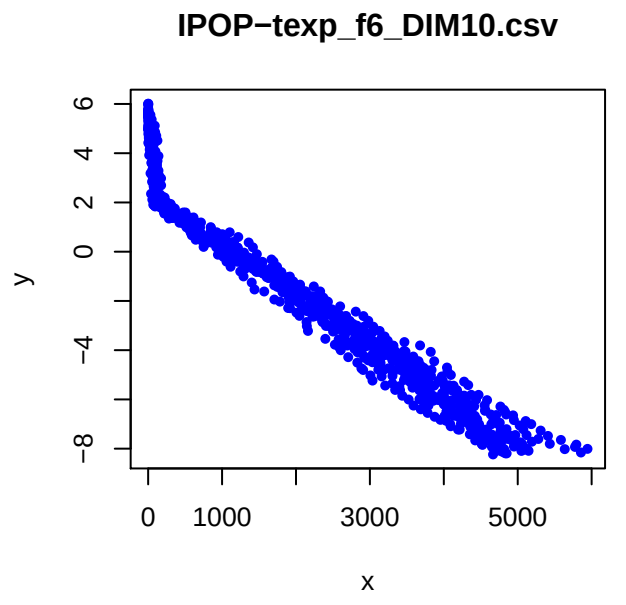
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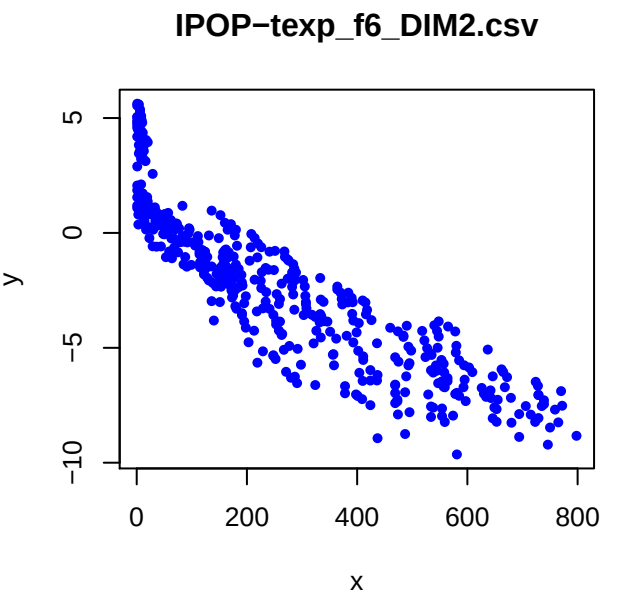
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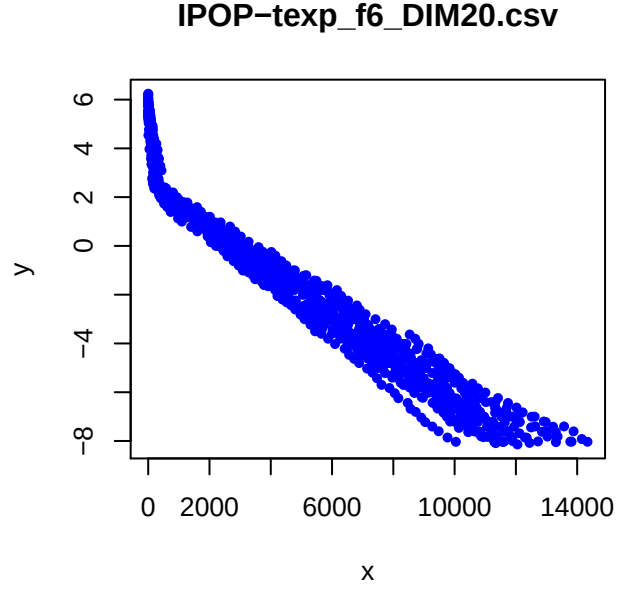
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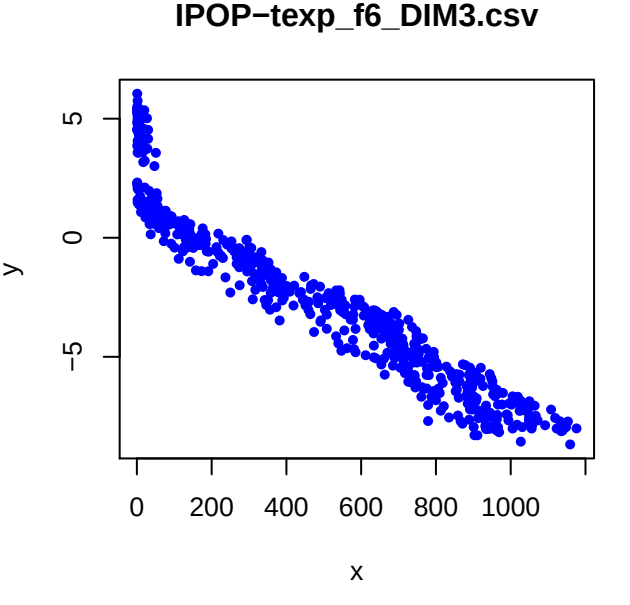
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1000
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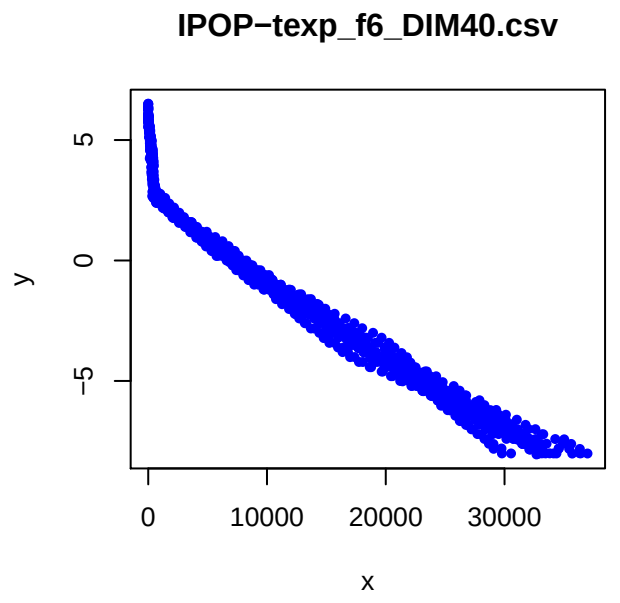
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30000
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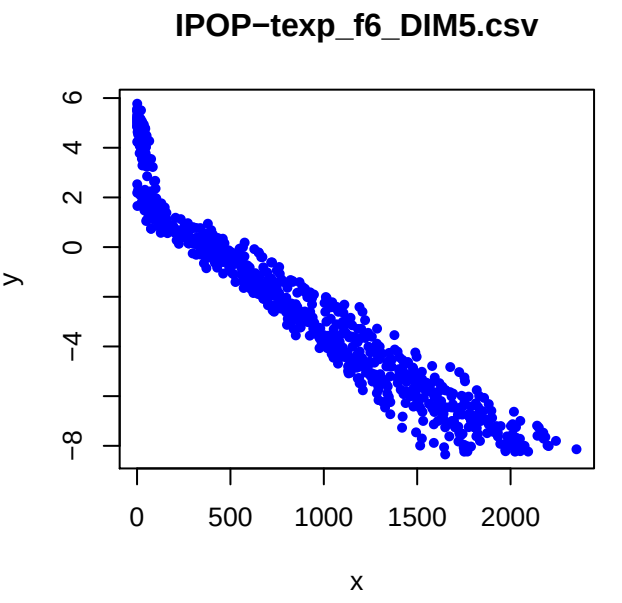
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2000
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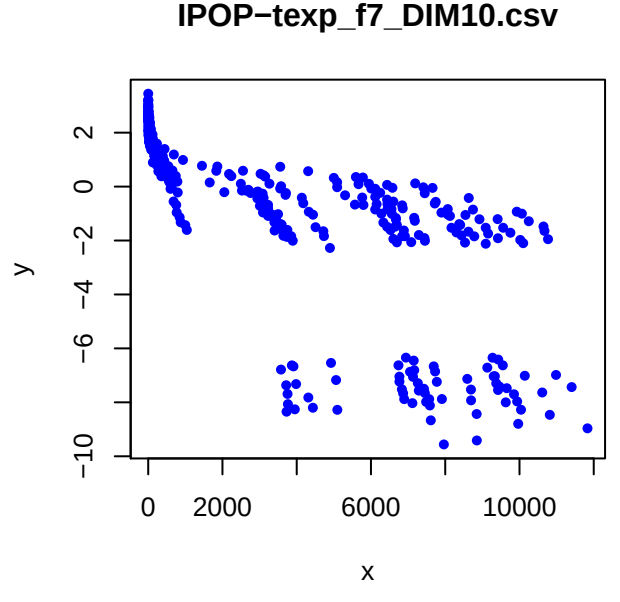
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10000
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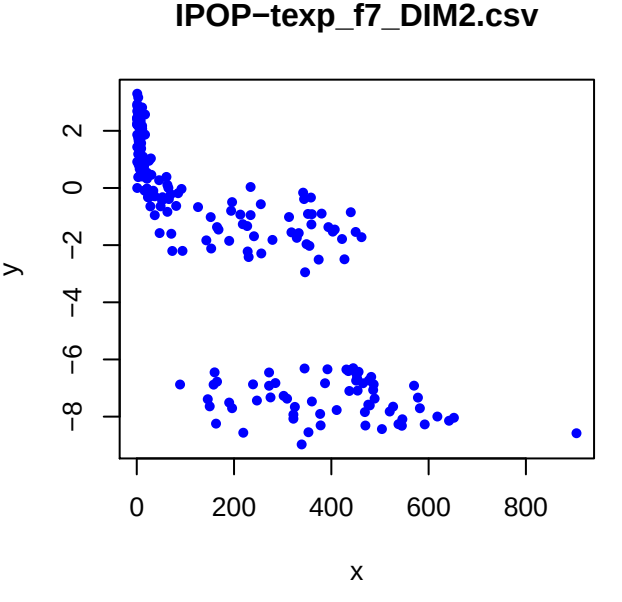
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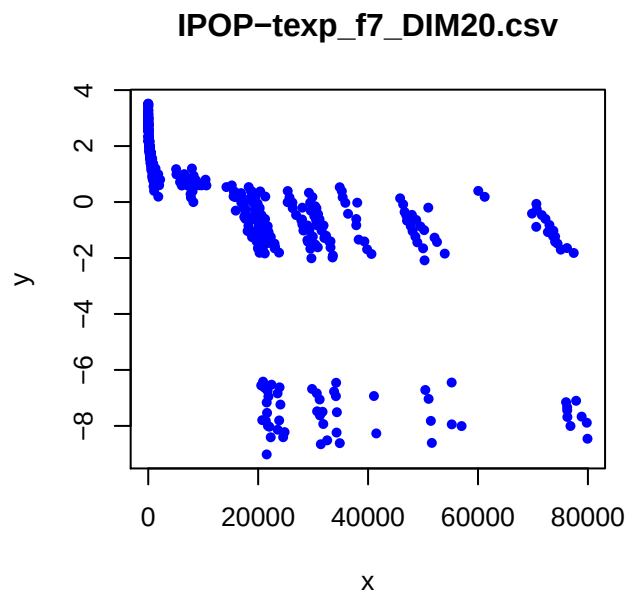
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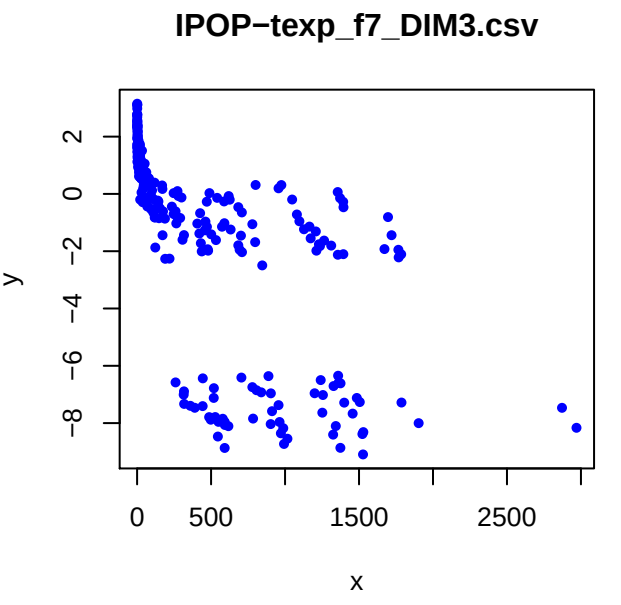
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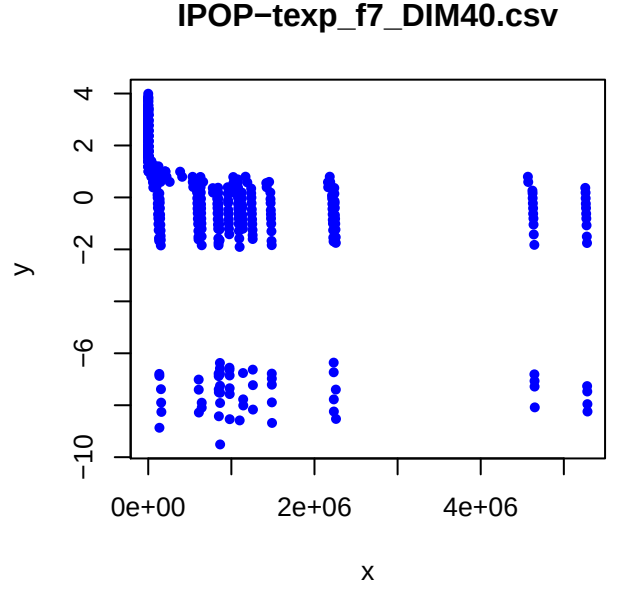
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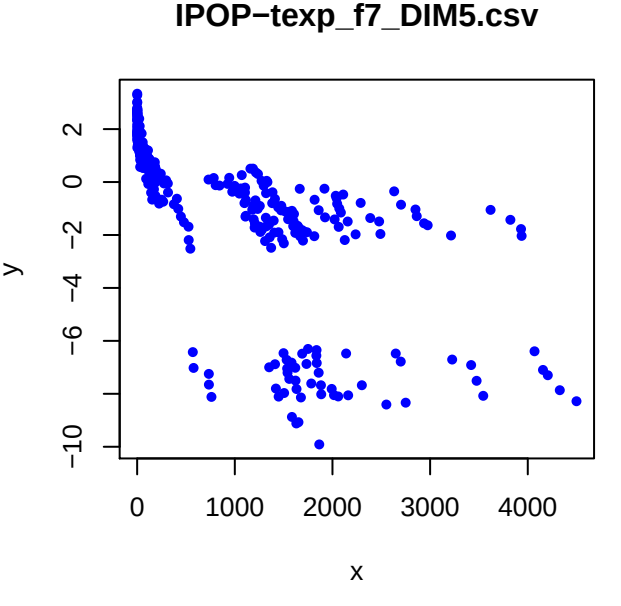
IPOP−texp_f7_DIM5.csv
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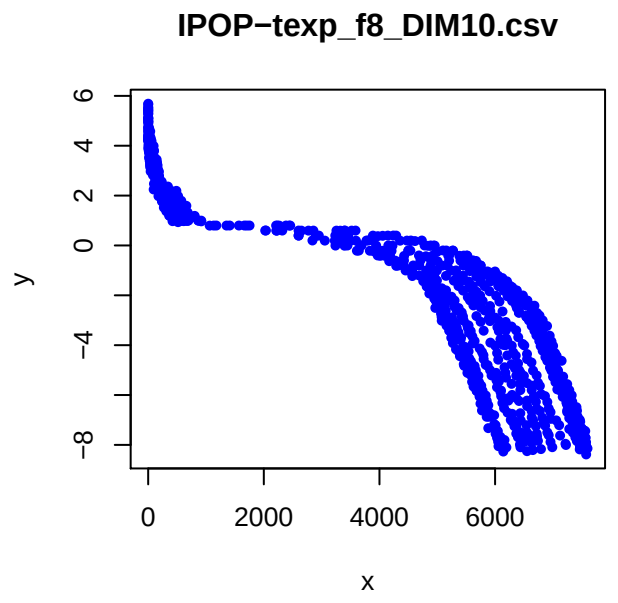
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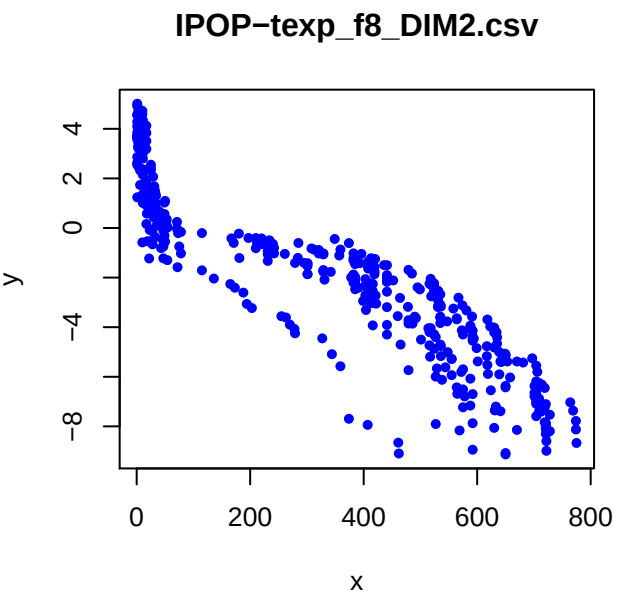
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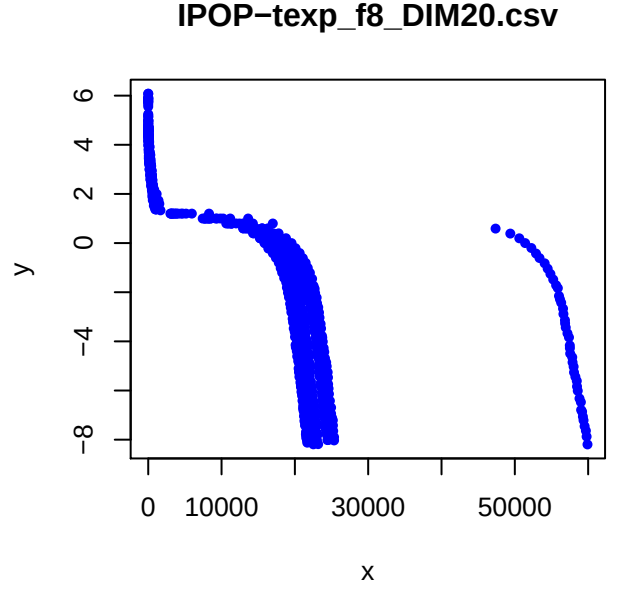
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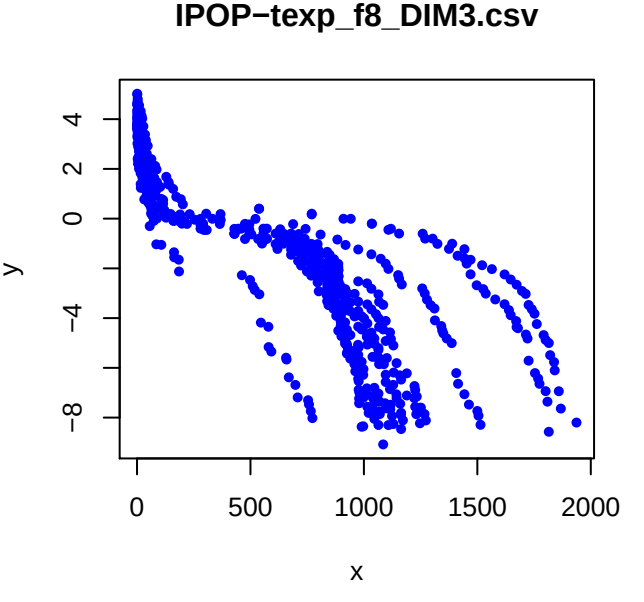
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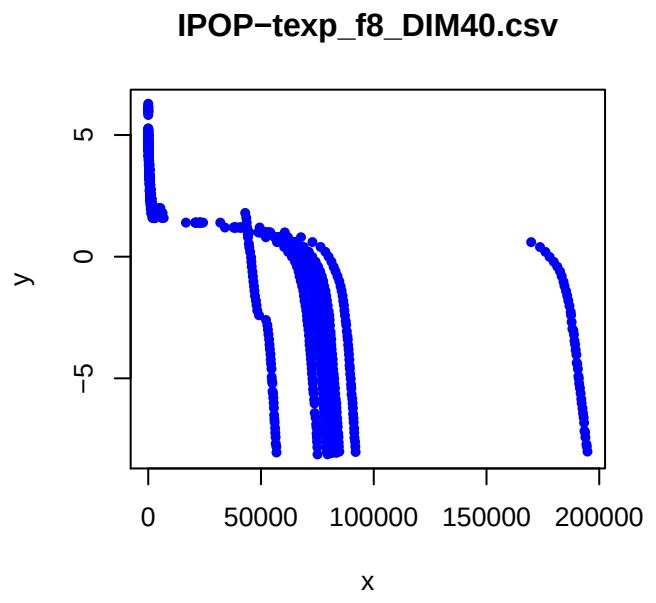
2000
x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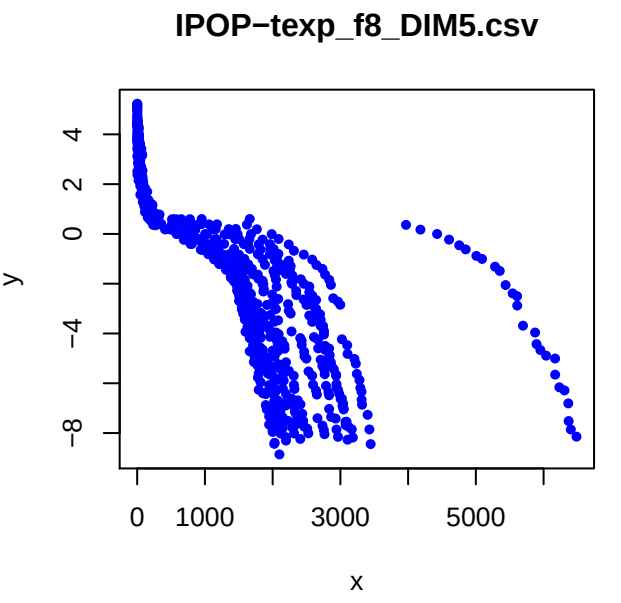
IPOP−texp_f8_DIM5.csv
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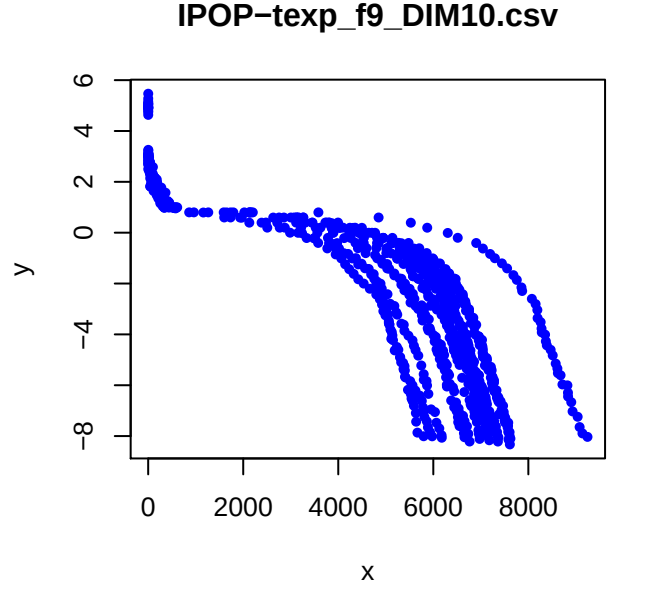
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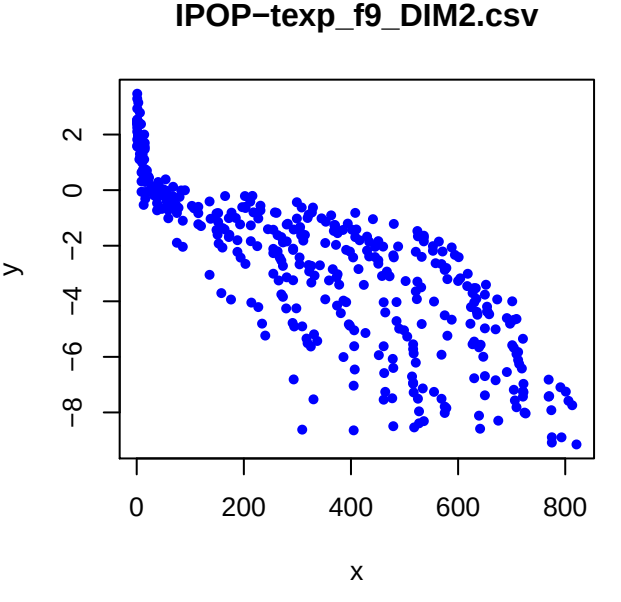
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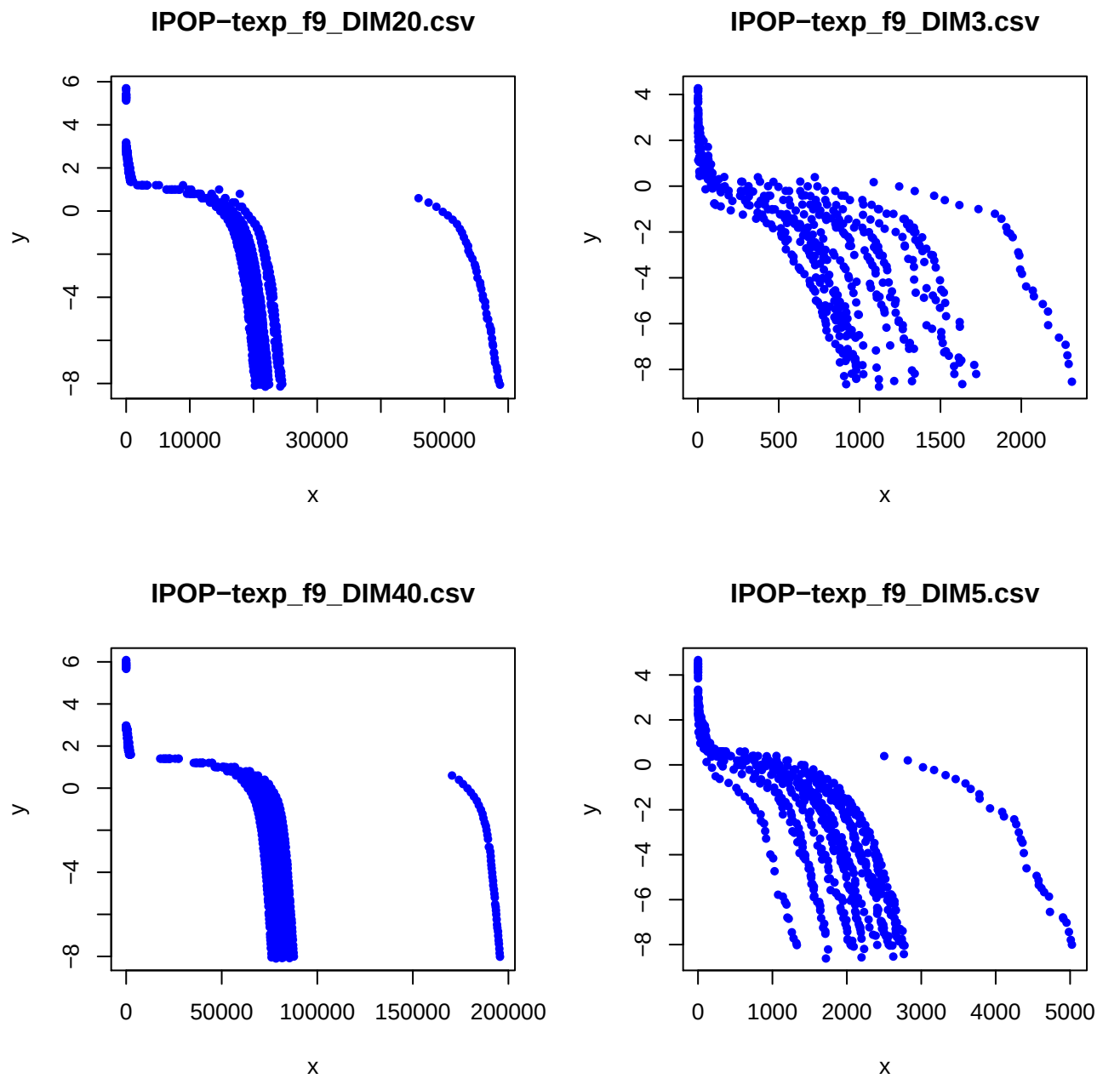
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x
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−2
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1500
2000
IPOP−texp_f9_DIM40.csv
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x
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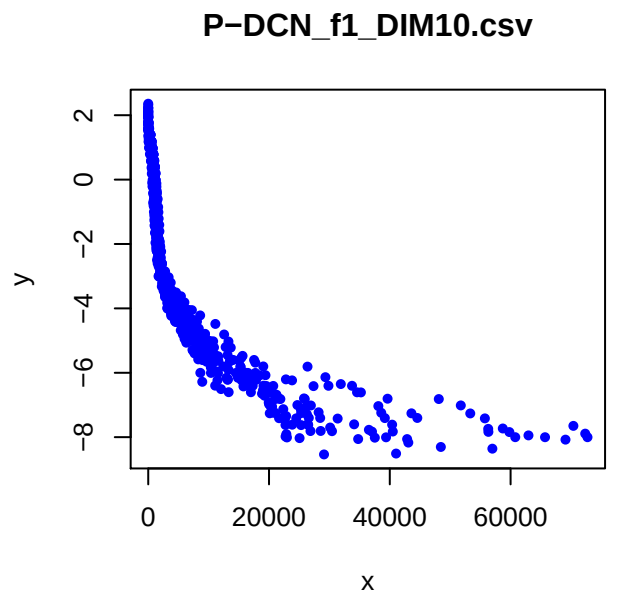
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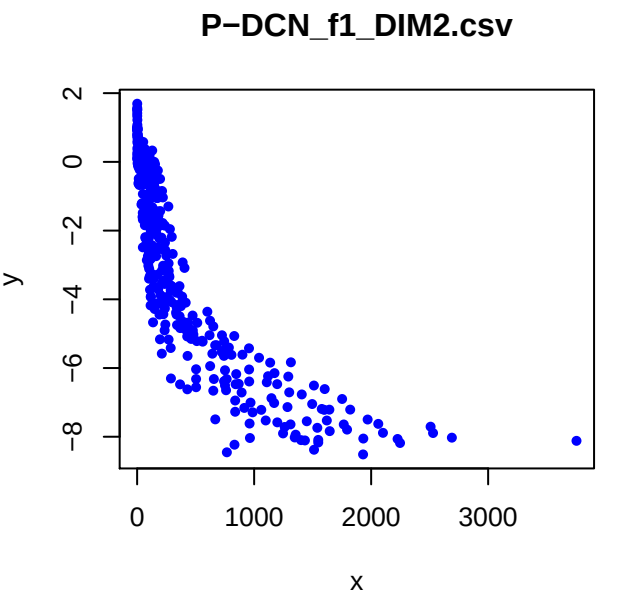
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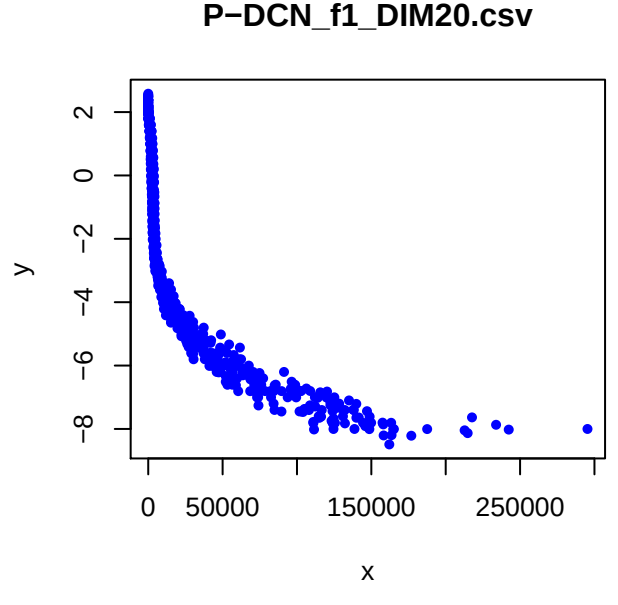
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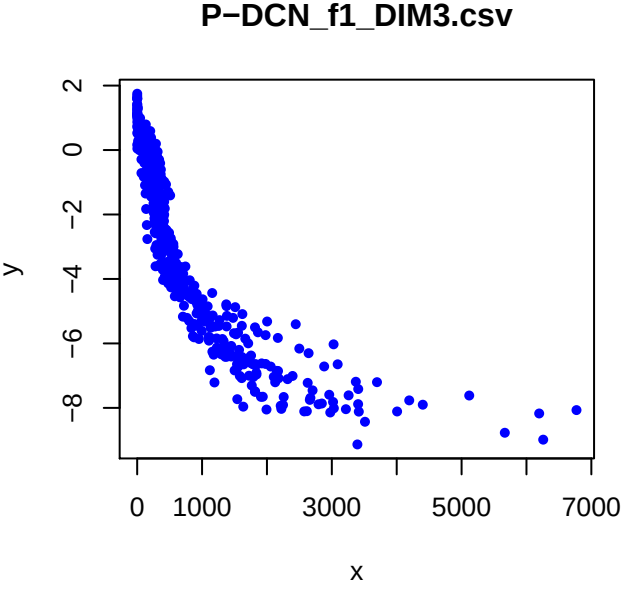
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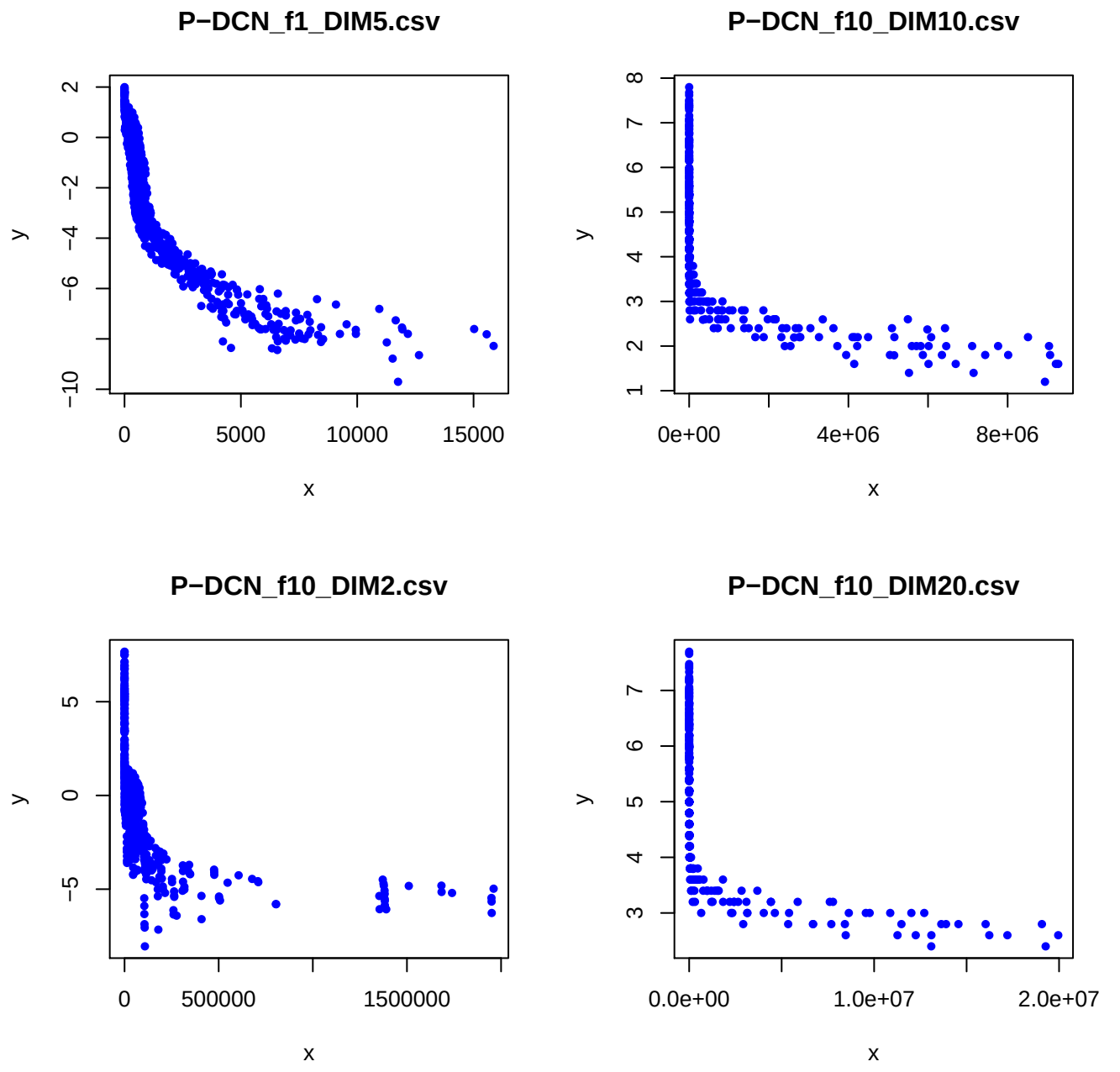
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x
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10000
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y
x
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7
6
5
4
3
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1
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4e+06
8e+06
P−DCN_f10_DIM2.csv
y
x
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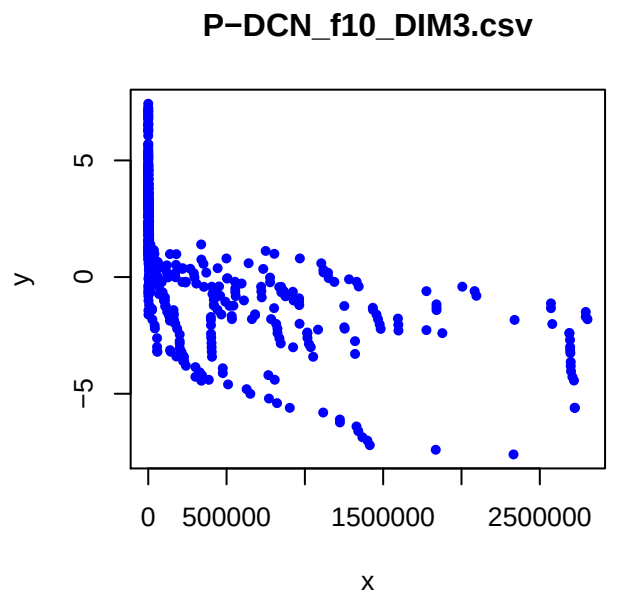
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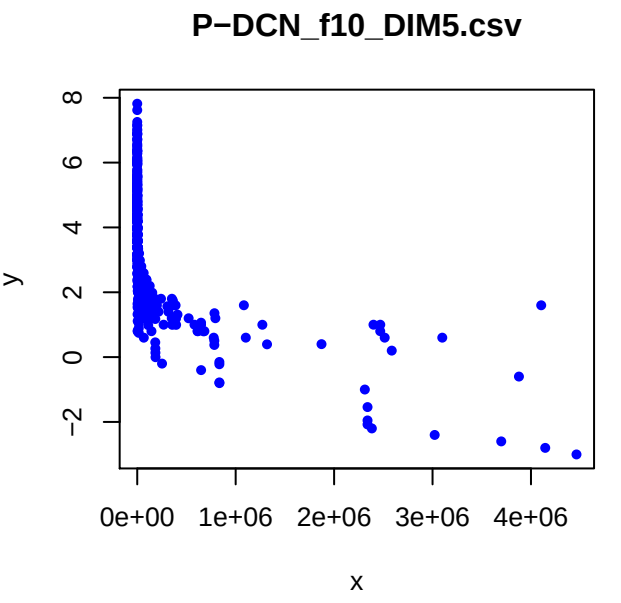
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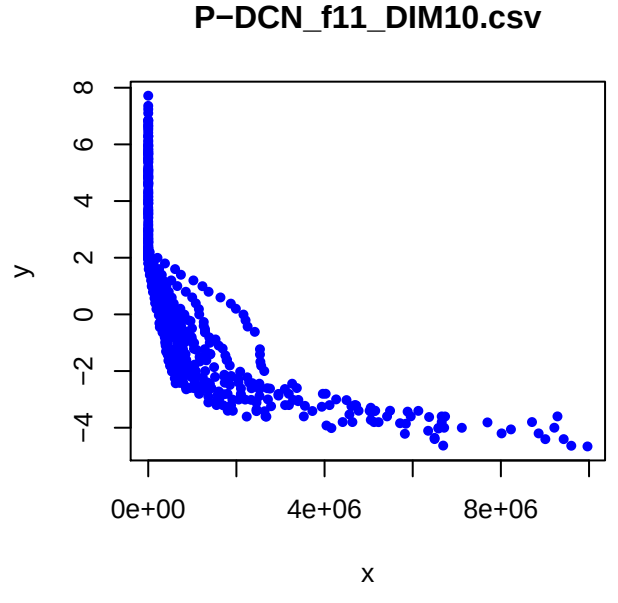
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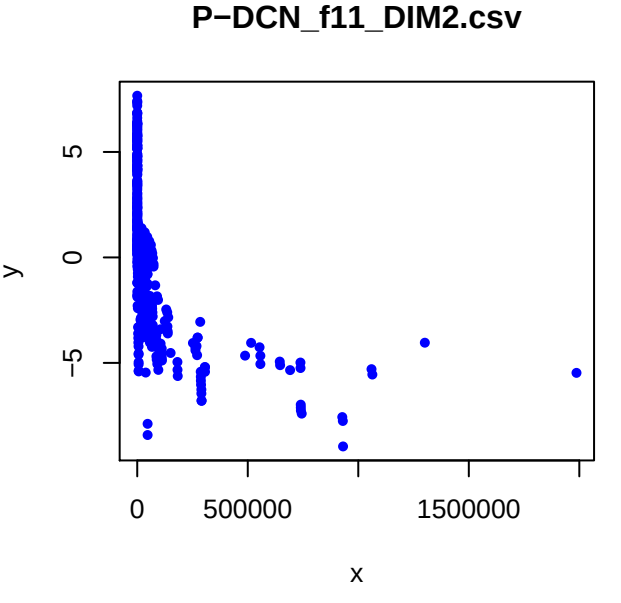
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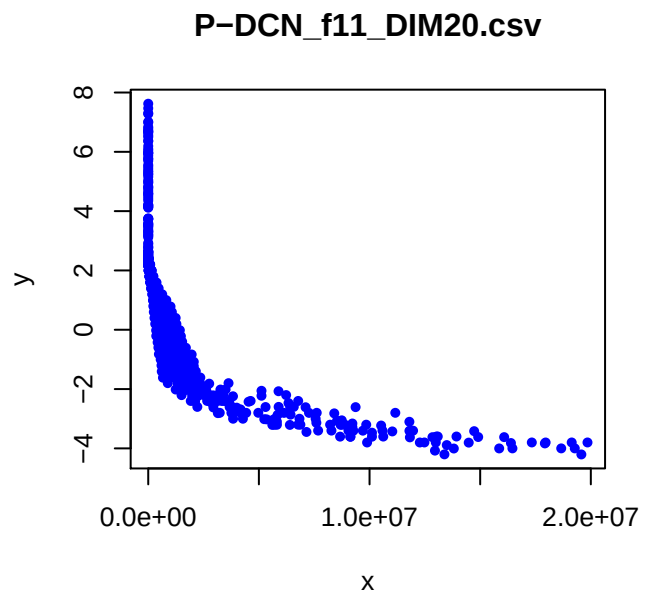
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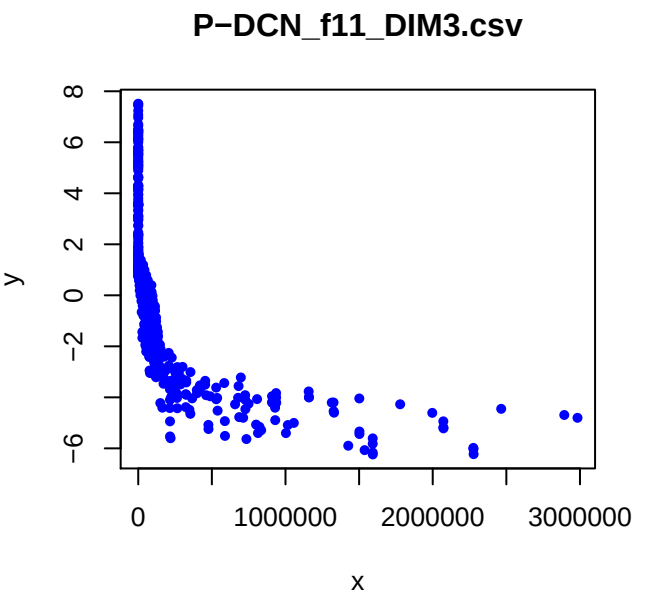
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x
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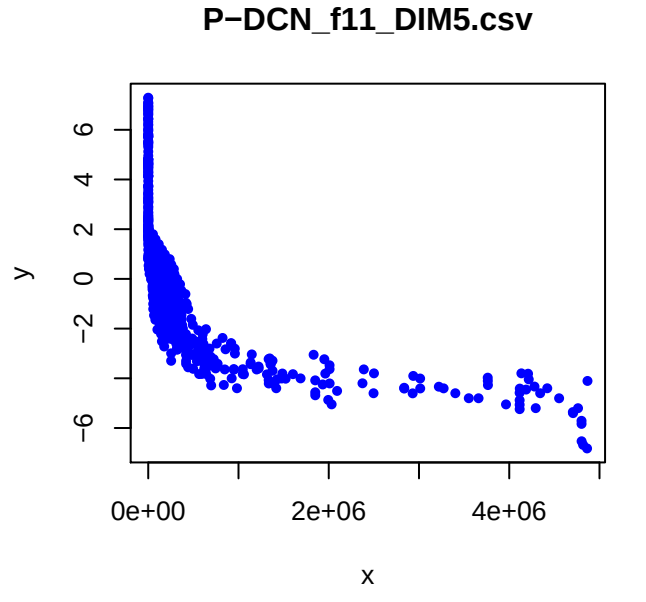
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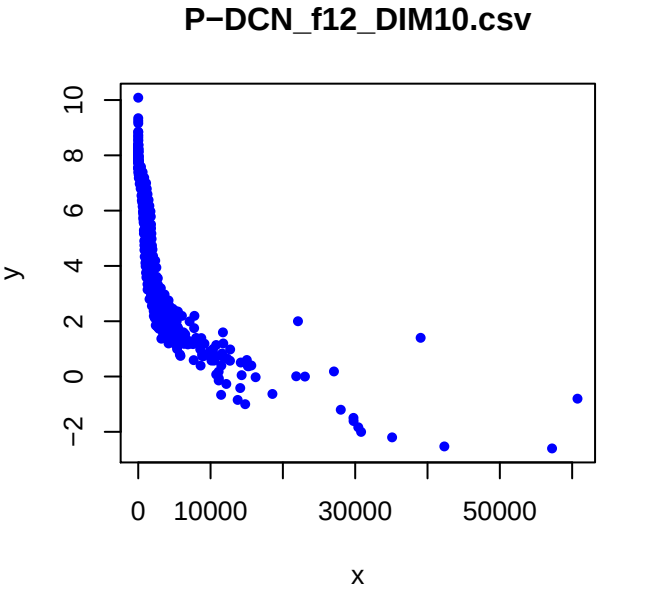
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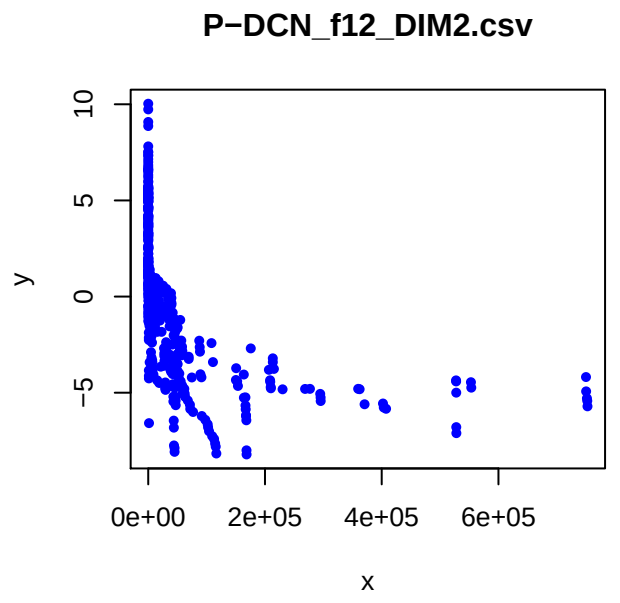
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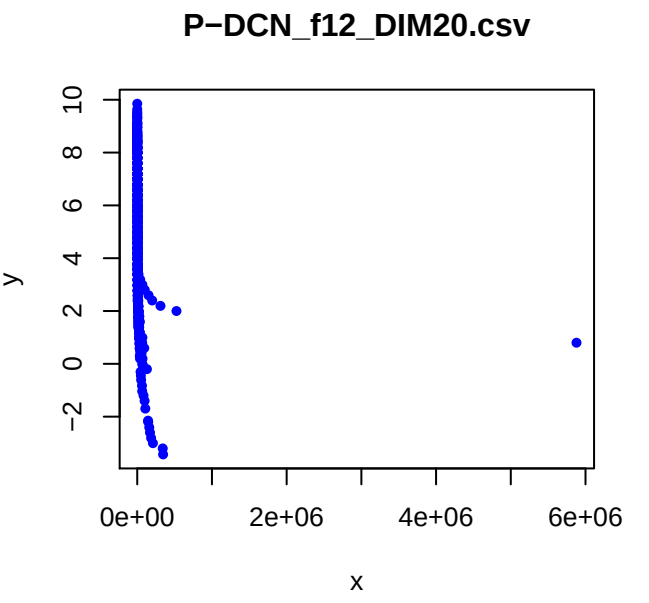
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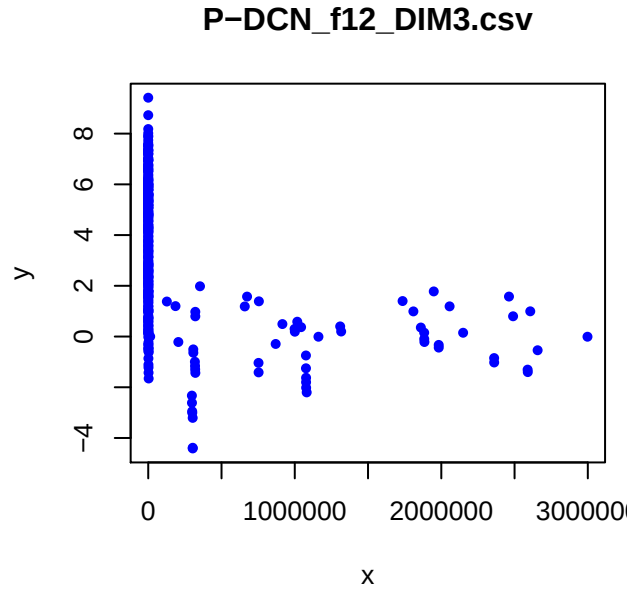
x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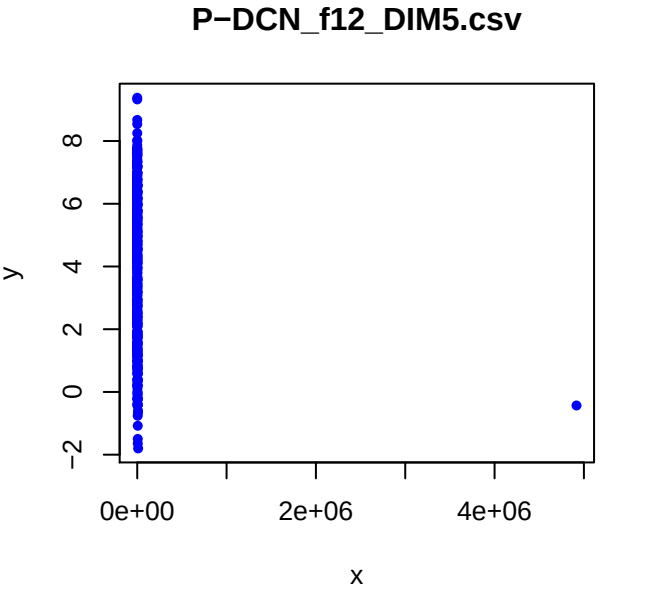
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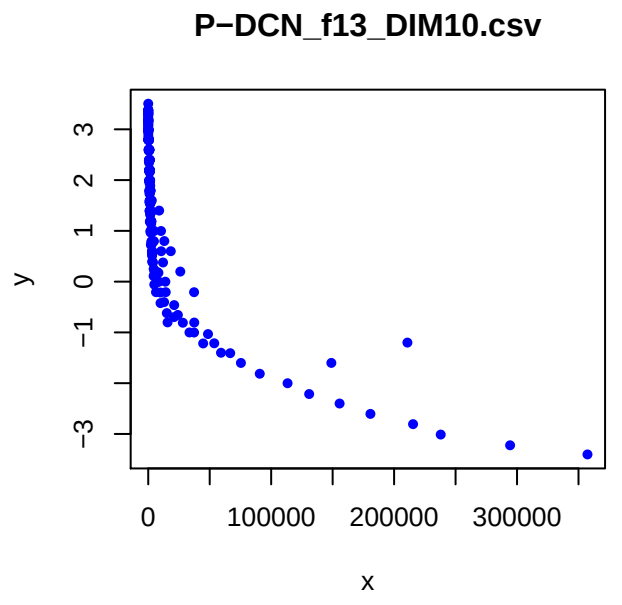
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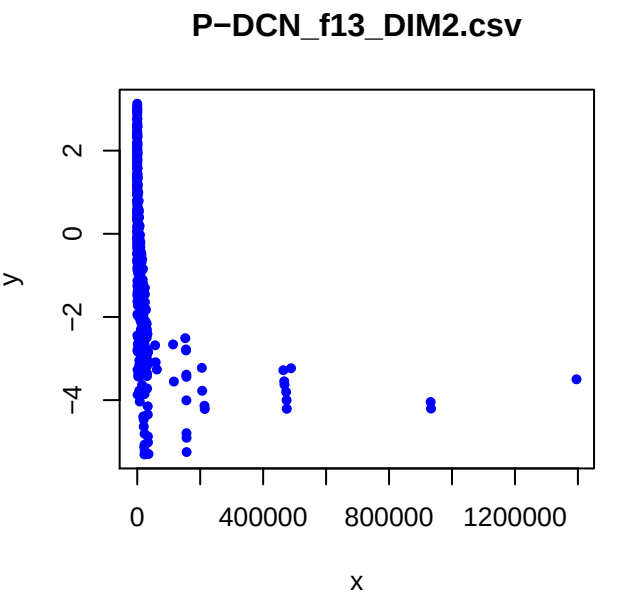
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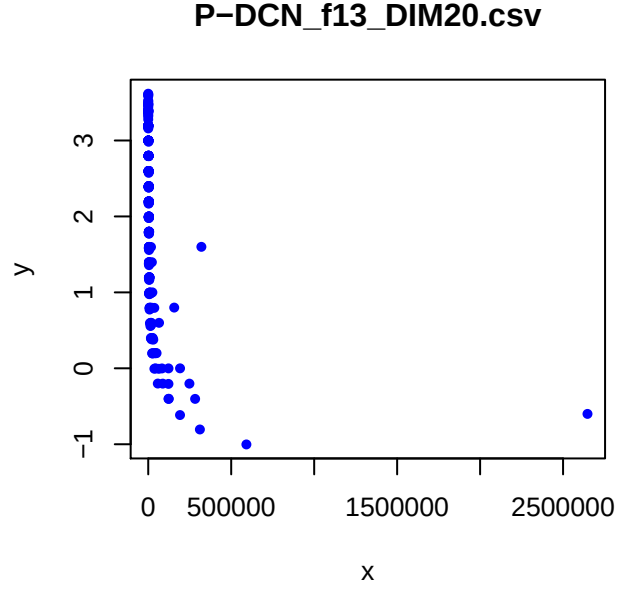
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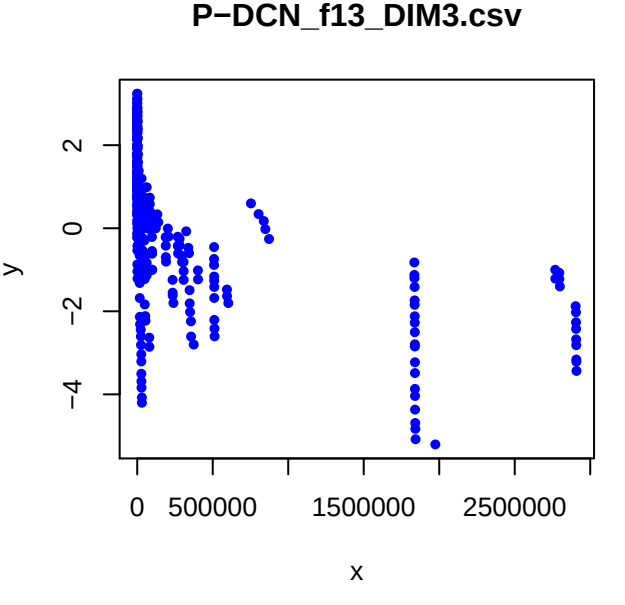
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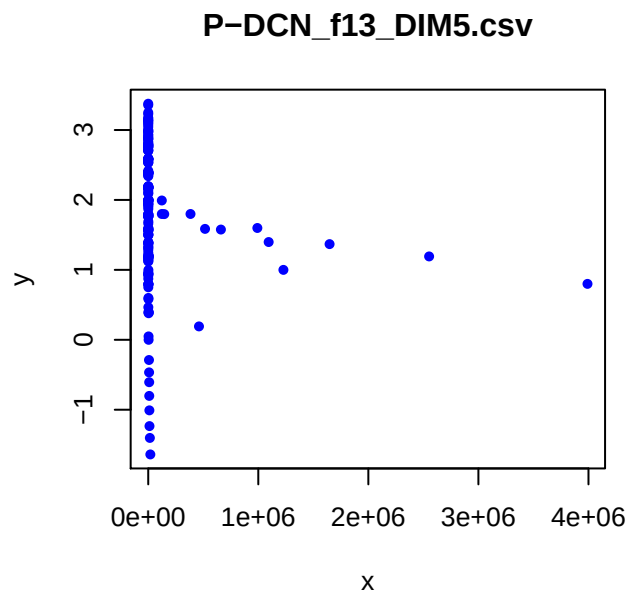
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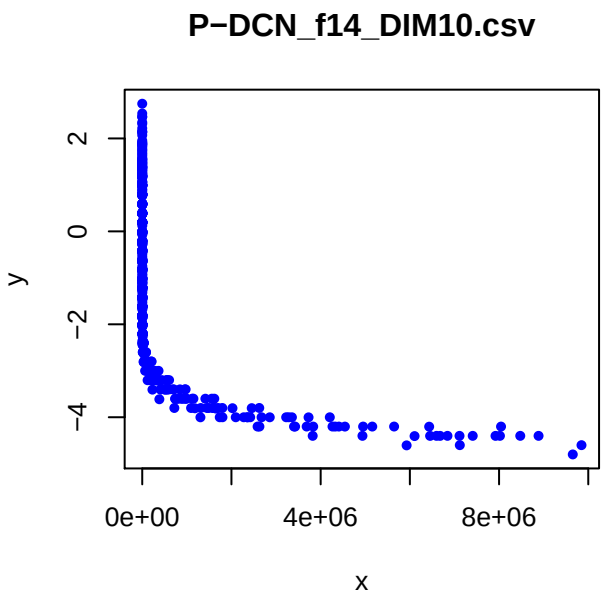
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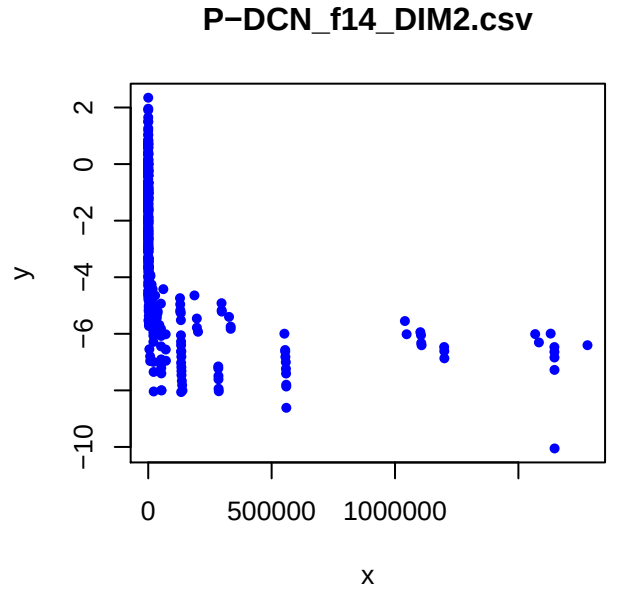
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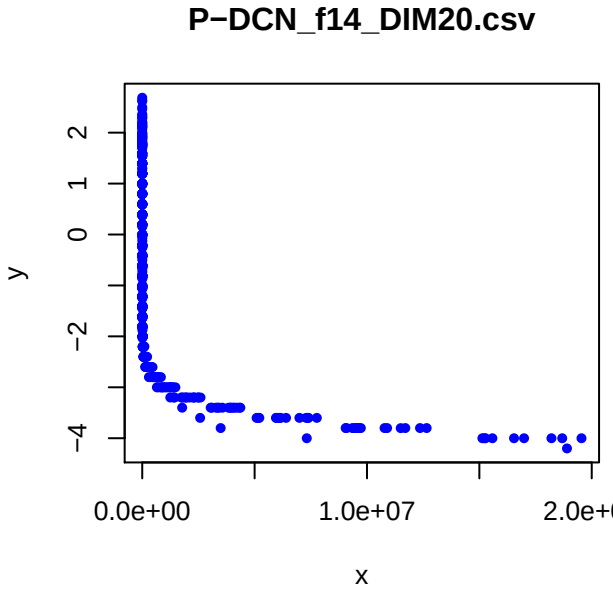
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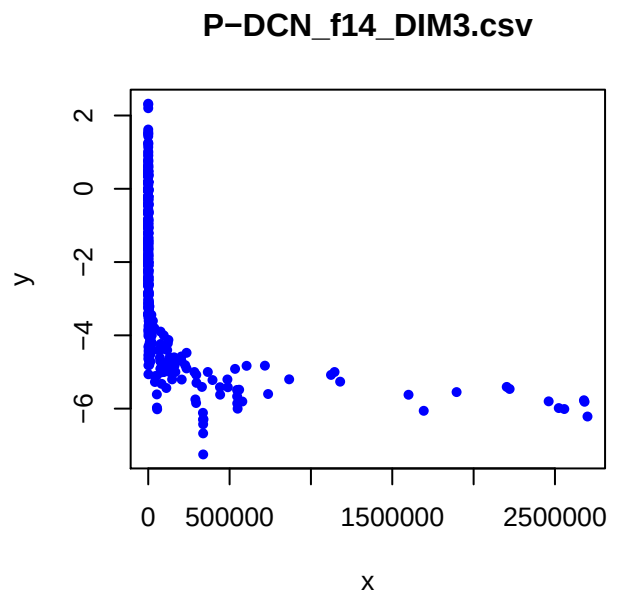
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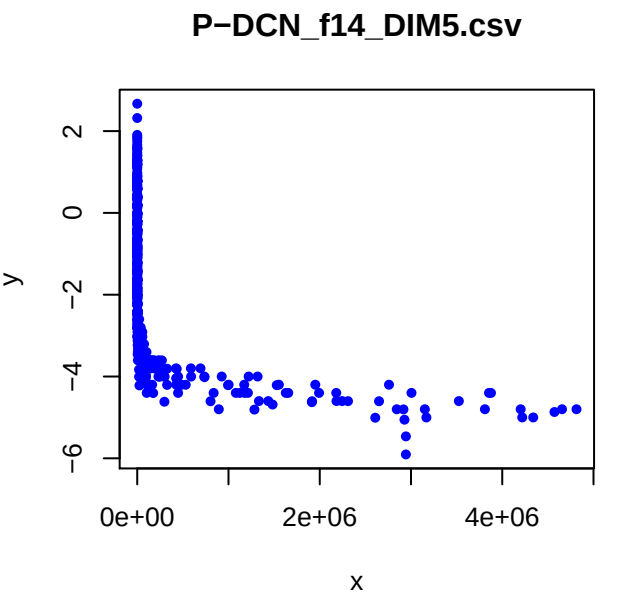
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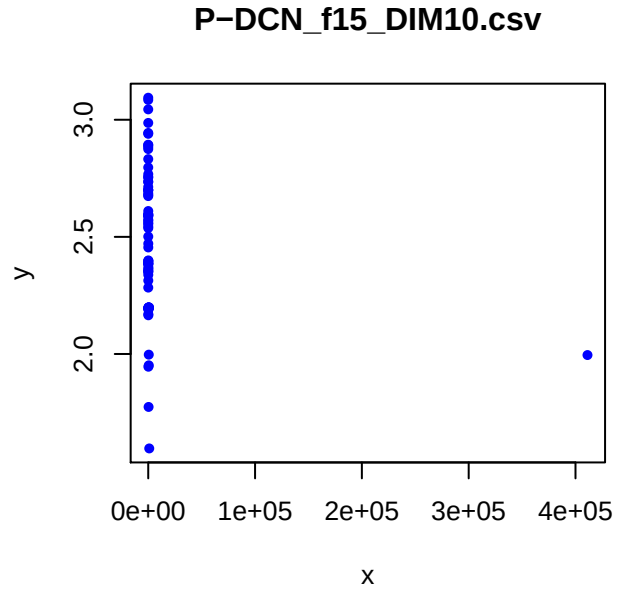
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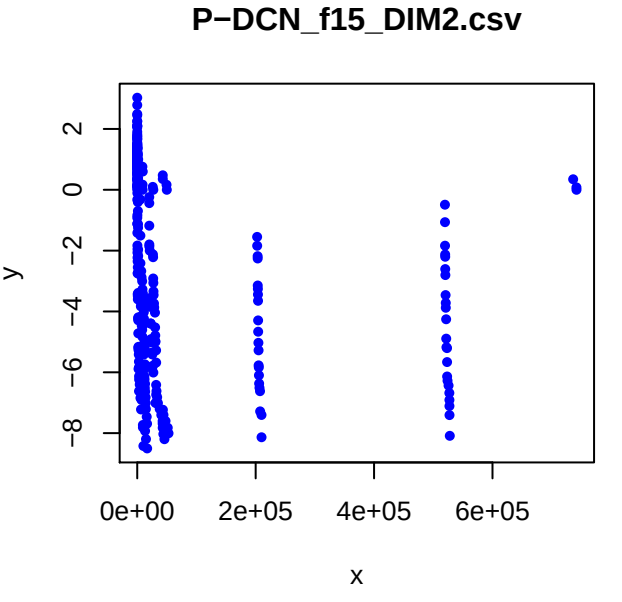
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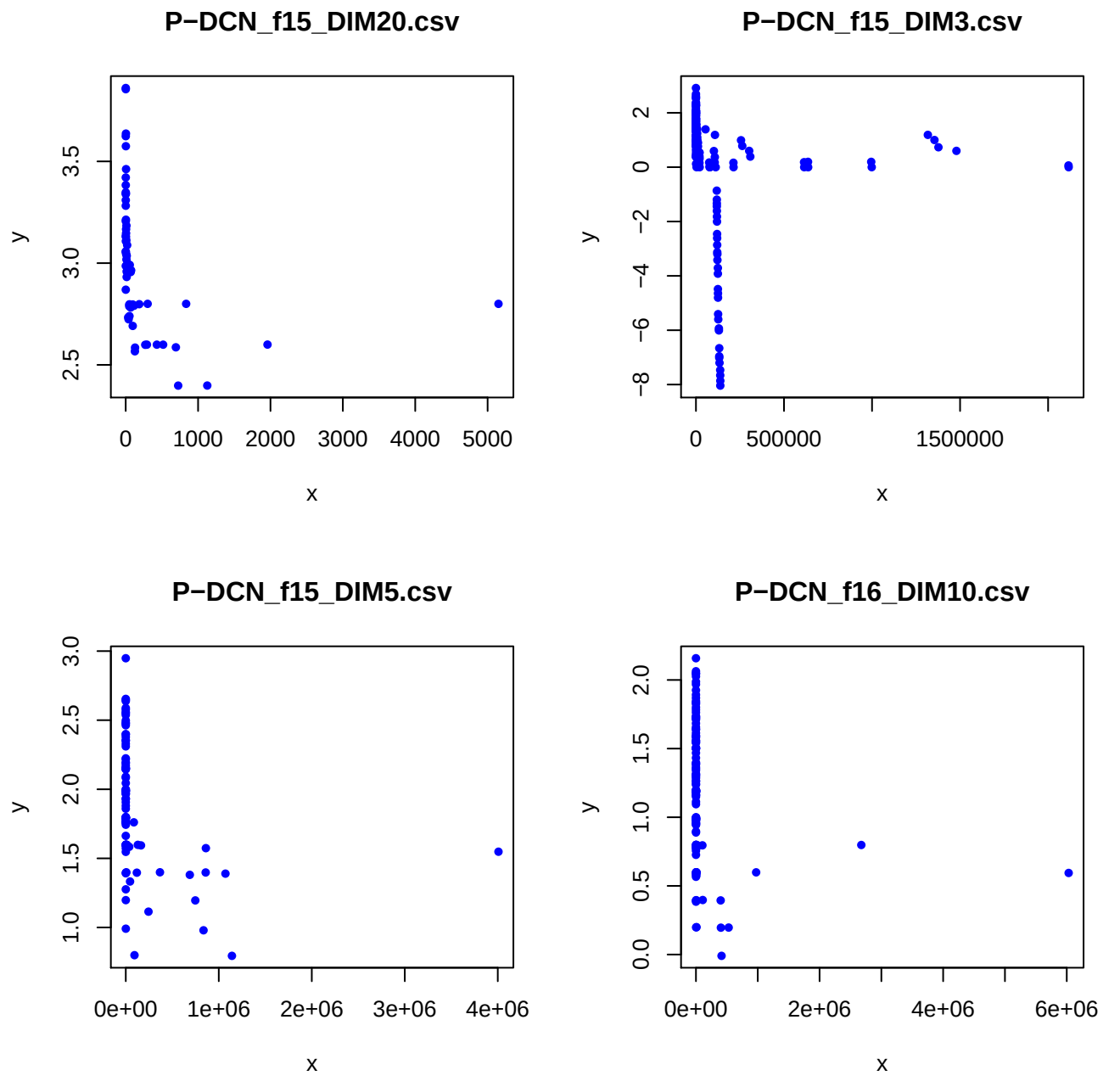
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x
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x
P−DCN_f15_DIM5.csv
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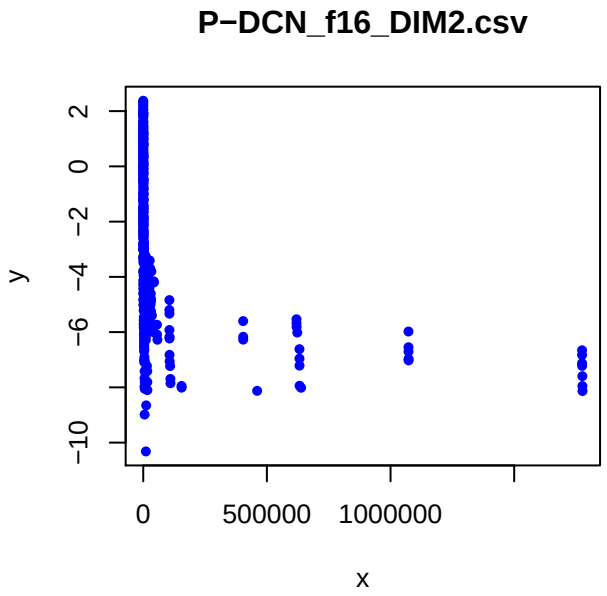
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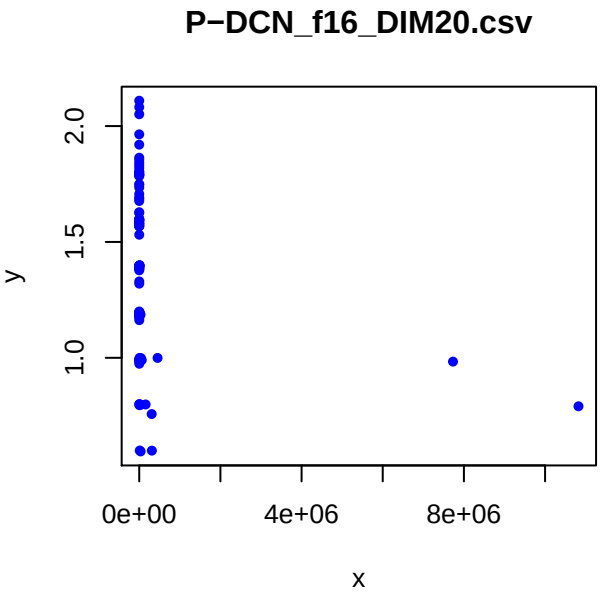
1000000
x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1.5
1.0
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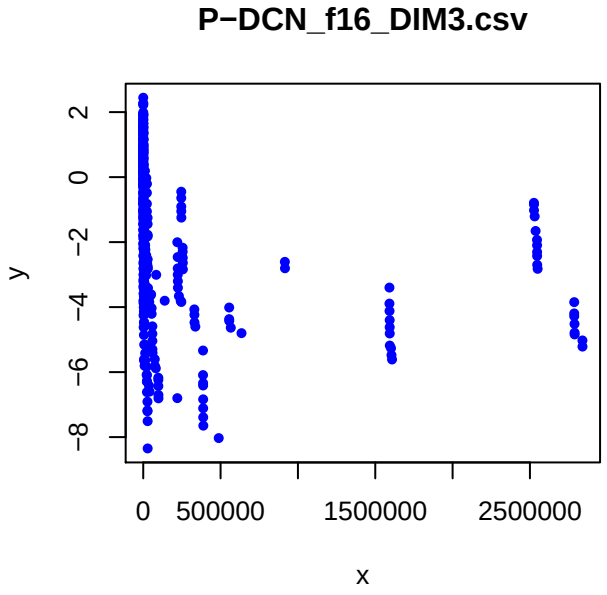
x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−8
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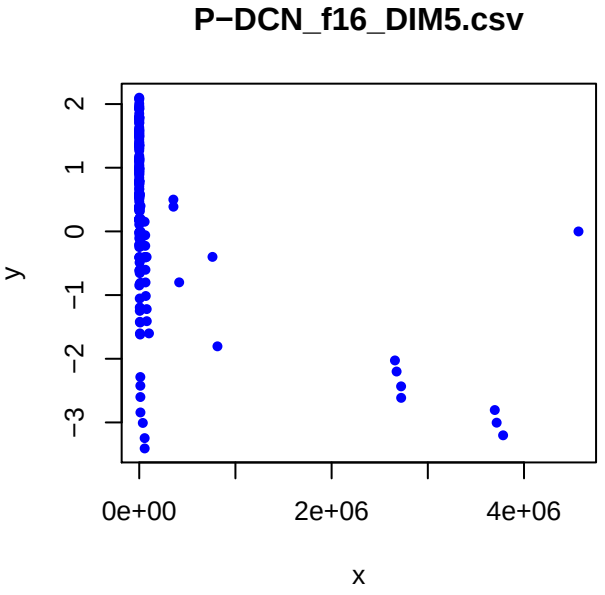
2500000
x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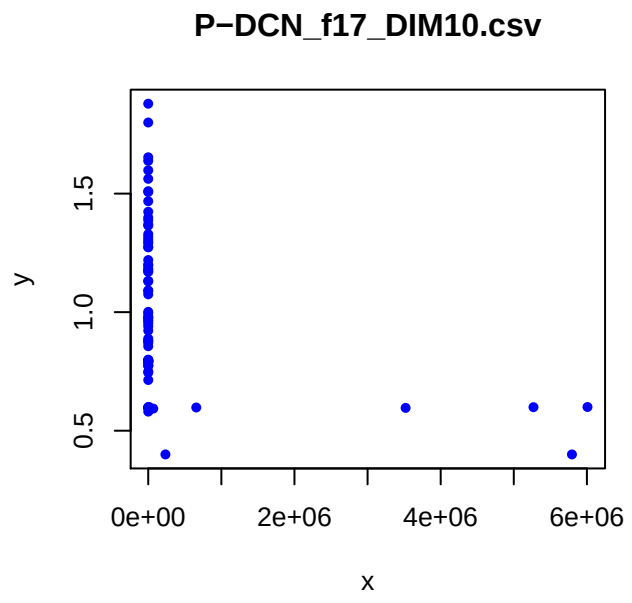
P−DCN_f17_DIM10.csv
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1.5
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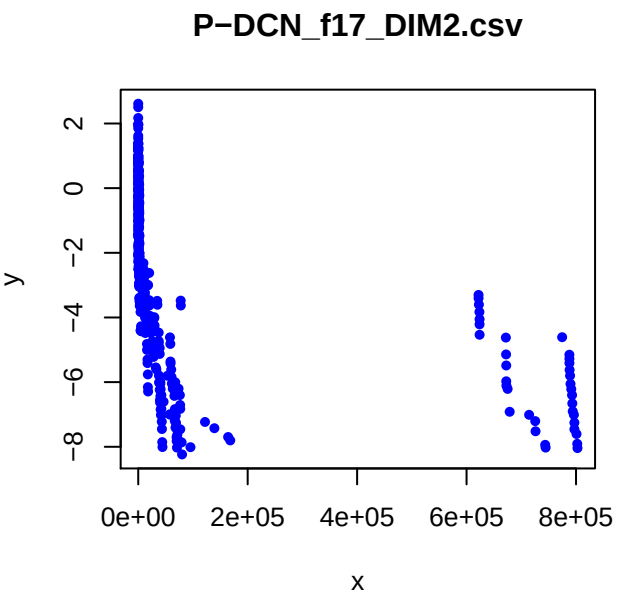
P−DCN_f17_DIM2.csv
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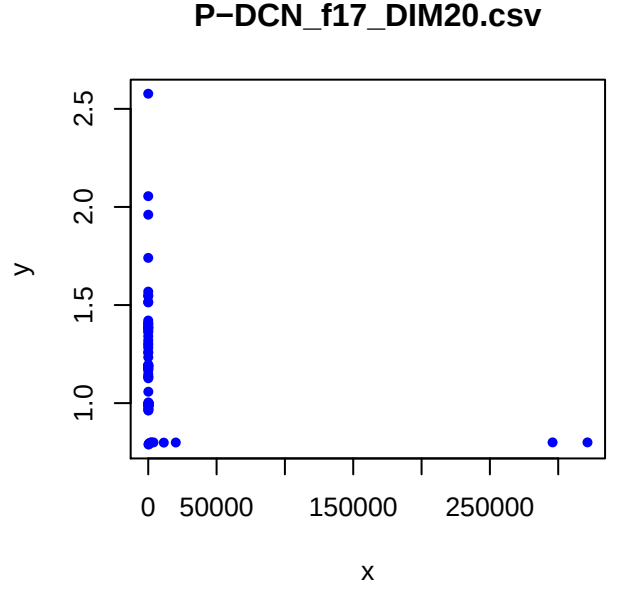
x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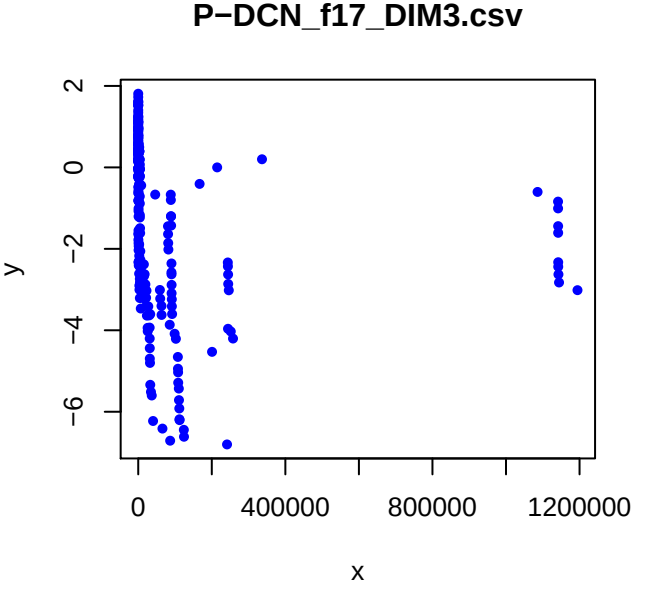
x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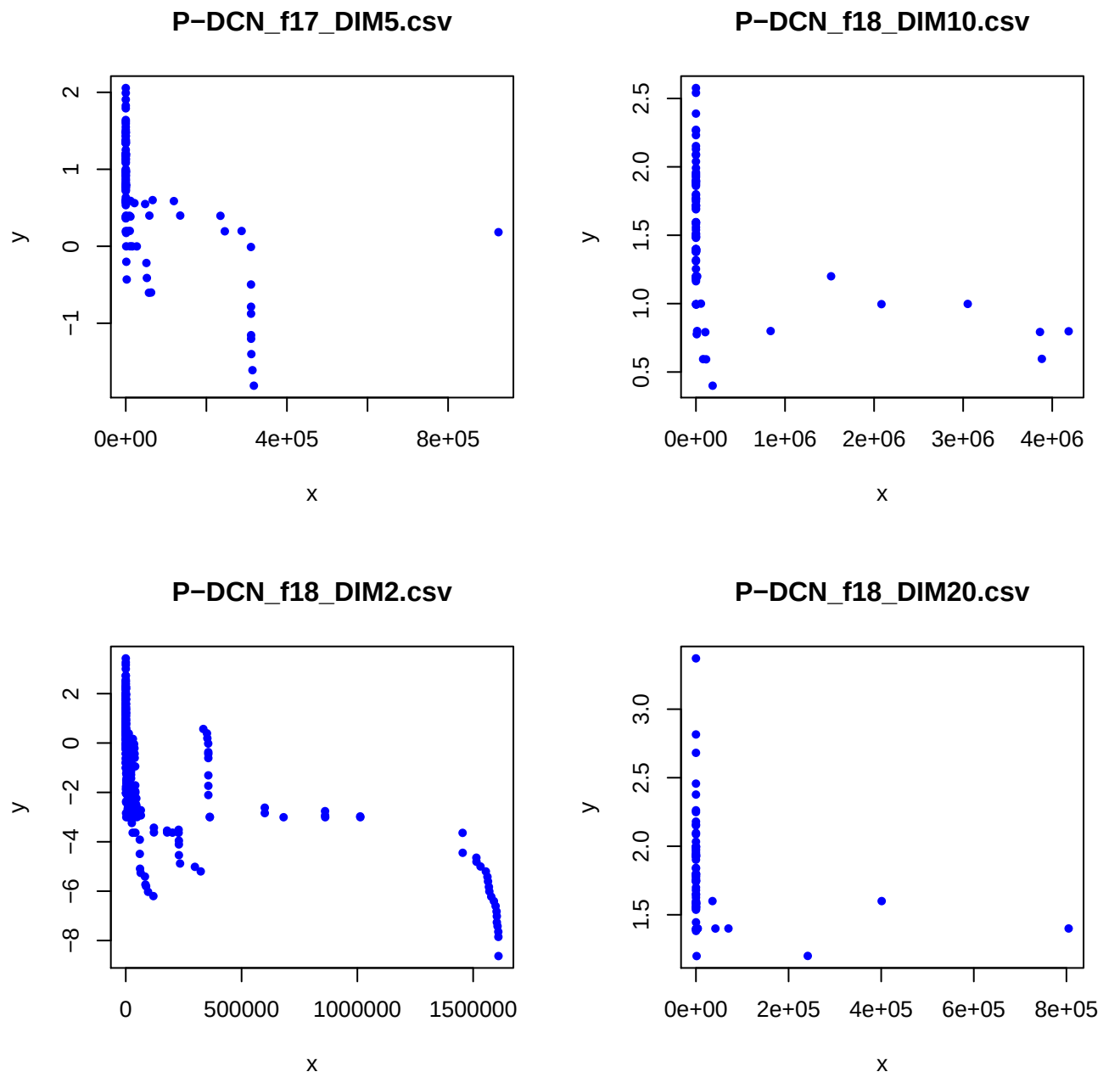
P−DCN_f17_DIM5.csv
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x
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0
−1
0e+00
4e+05
8e+05
P−DCN_f18_DIM10.csv
y
x
2.5
2.0
1.5
1.0
0.5
0e+00
1e+06
2e+06
3e+06
4e+06
P−DCN_f18_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
500000
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1500000
P−DCN_f18_DIM20.csv
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1.5
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2e+05
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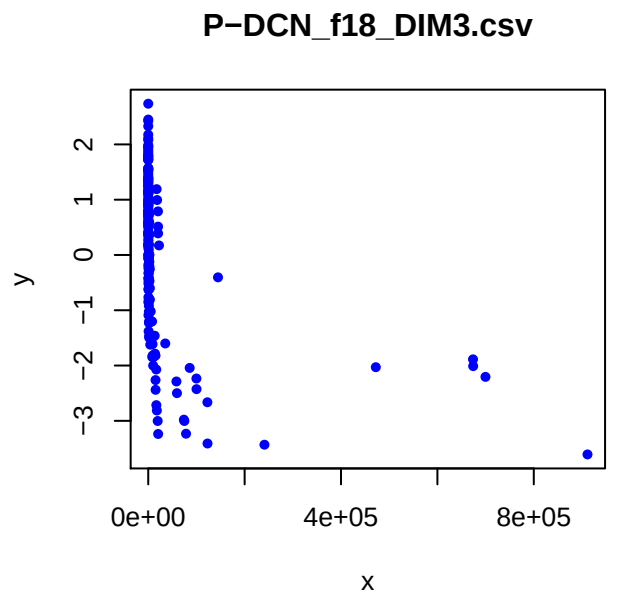
6e+05
8e+05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x
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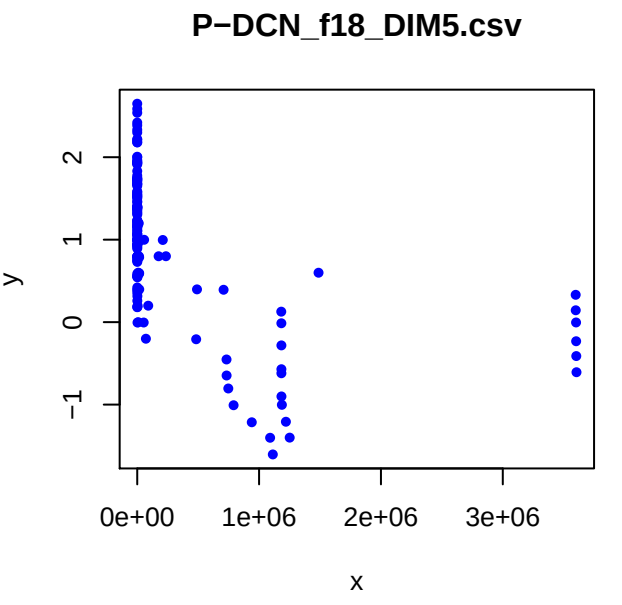
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x
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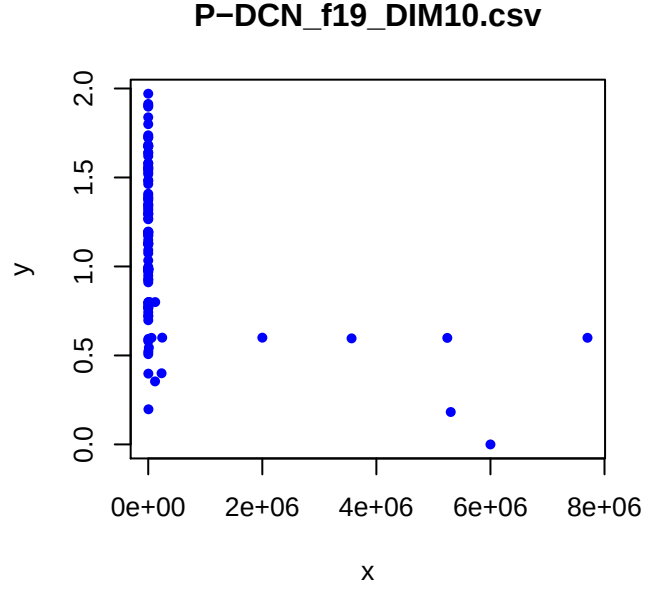
2e+06
3e+06


P−DCN_f19_DIM10.csv
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x
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1.0
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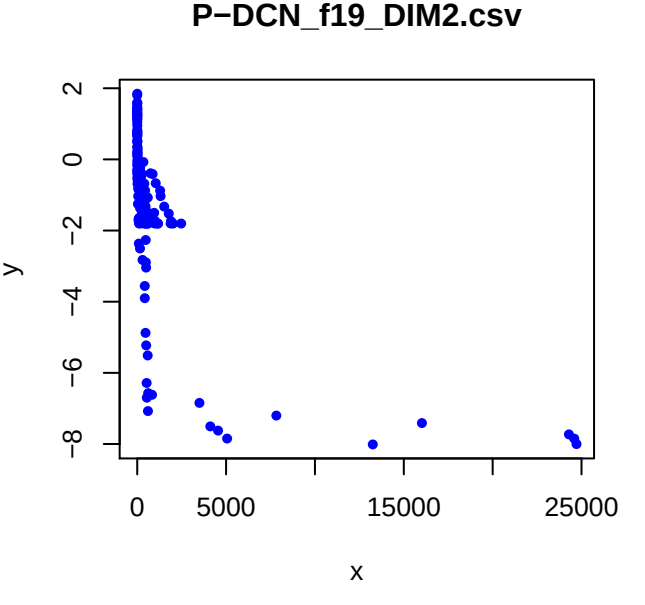
6e+06
8e+06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x
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0
−2
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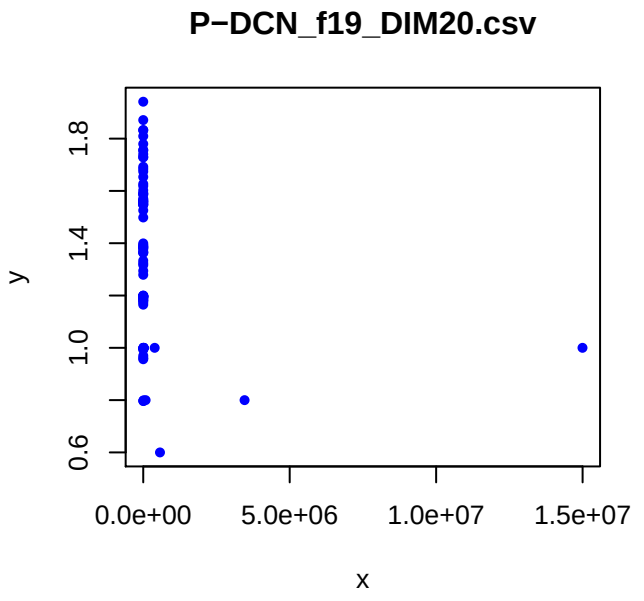
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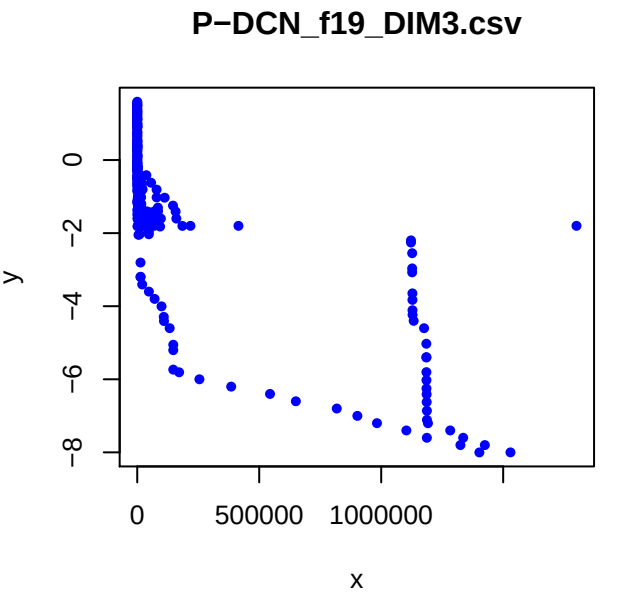
1.5e+07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x
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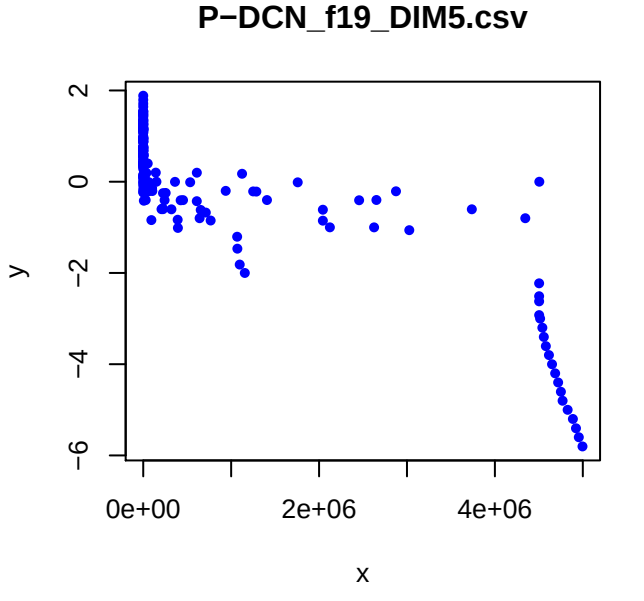
−4
−6
−8
0
500000
1000000


P−DCN_f19_DIM5.csv
y
x
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−2
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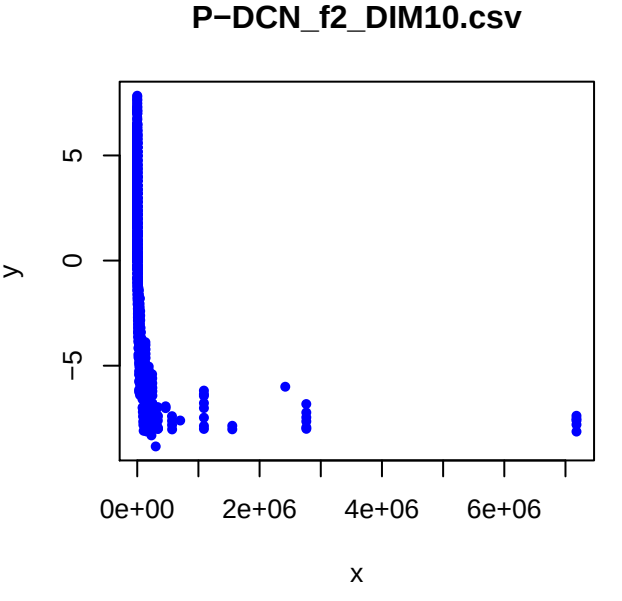
P−DCN_f2_DIM10.csv
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x
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0
−5
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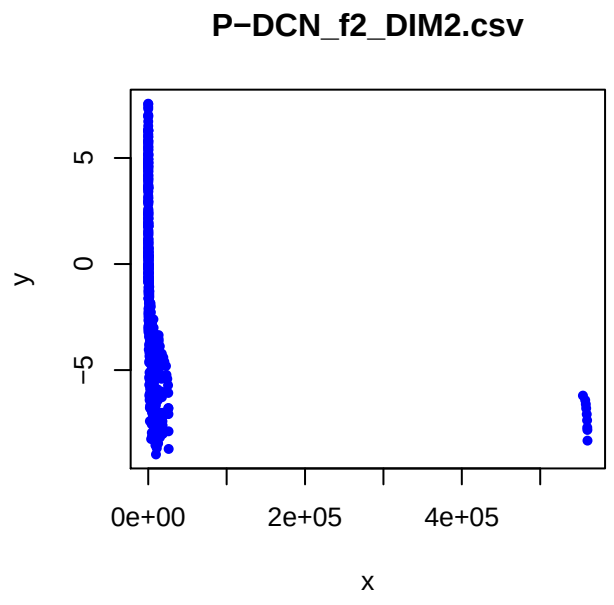
6e+06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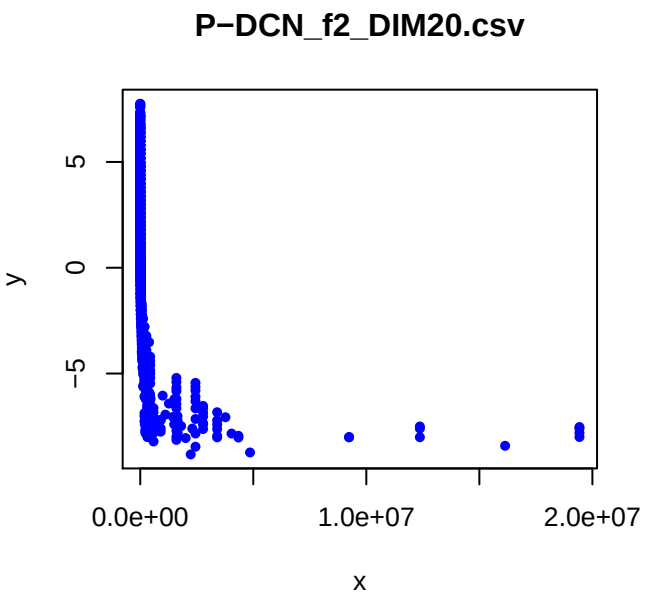
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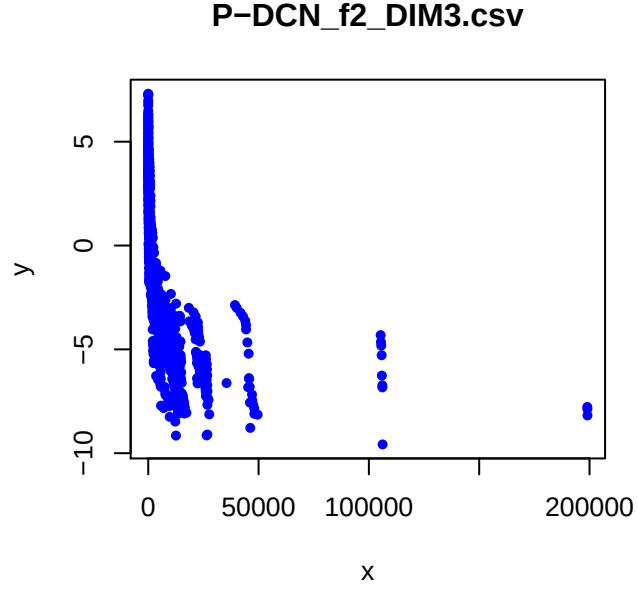
x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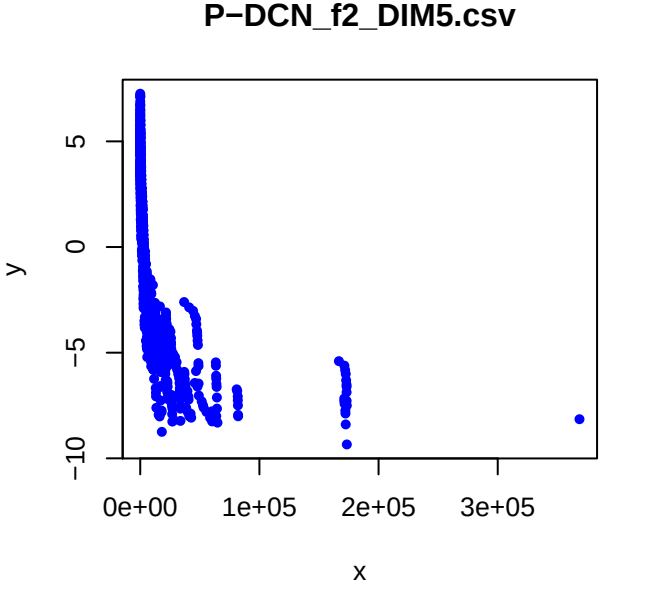
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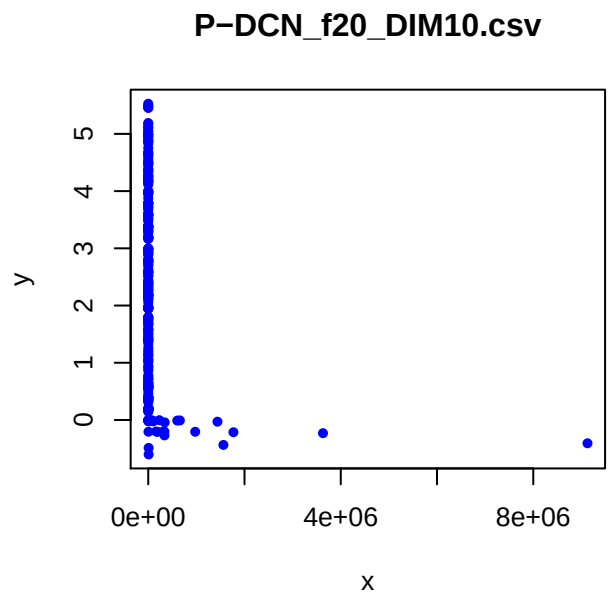
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x
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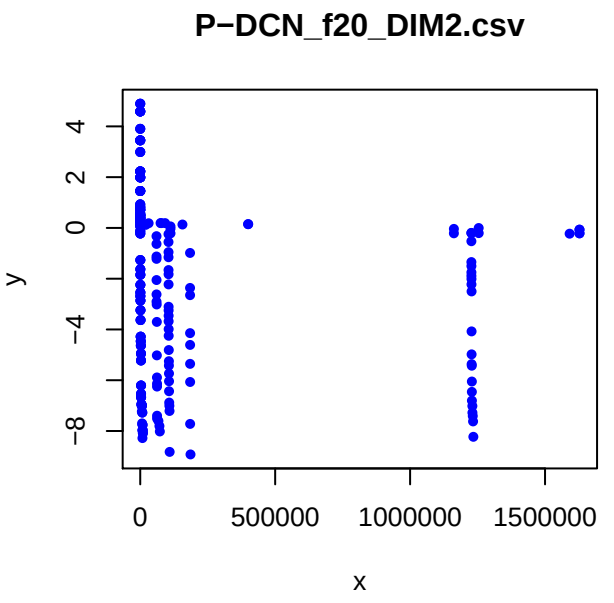
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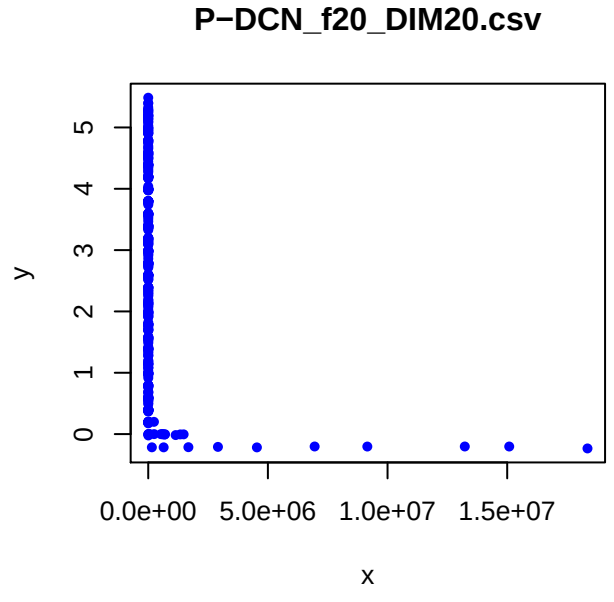
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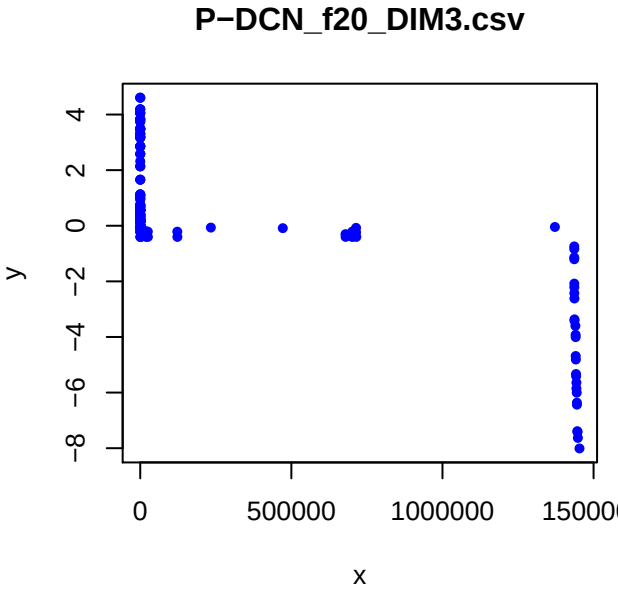
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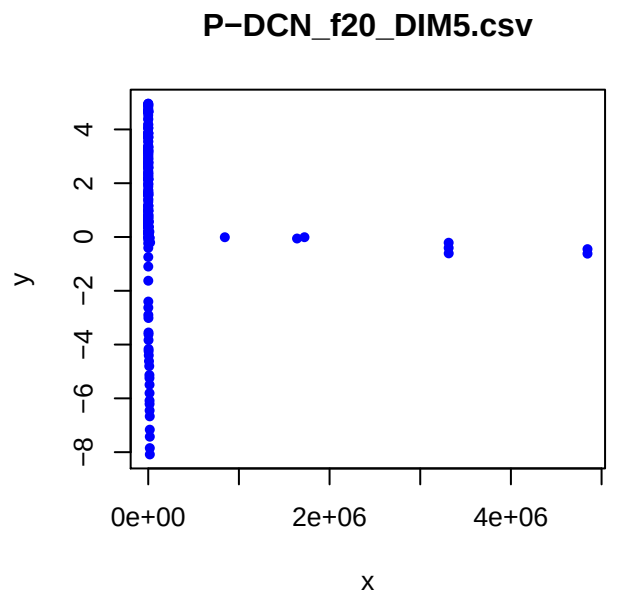
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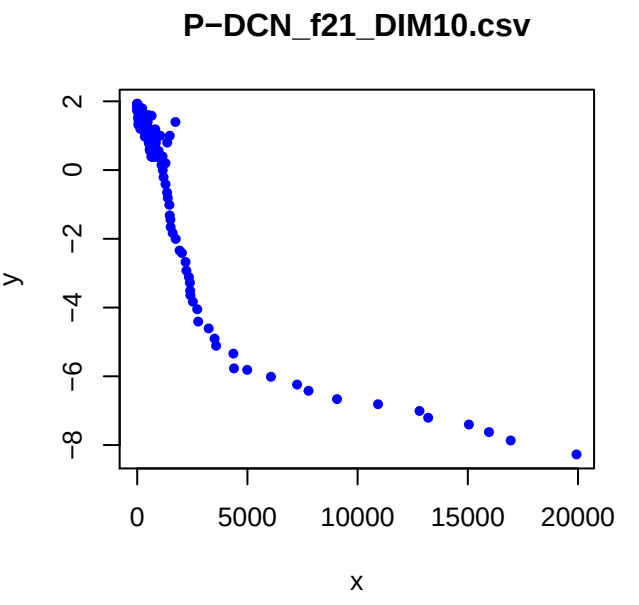
4e+06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−6
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15000
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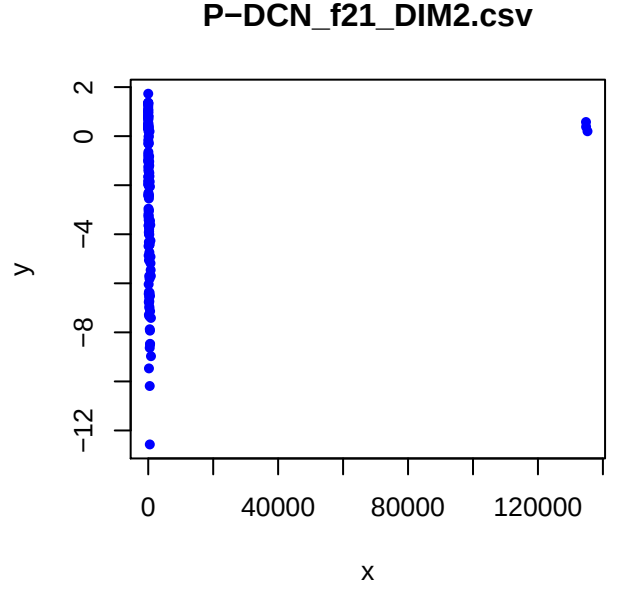
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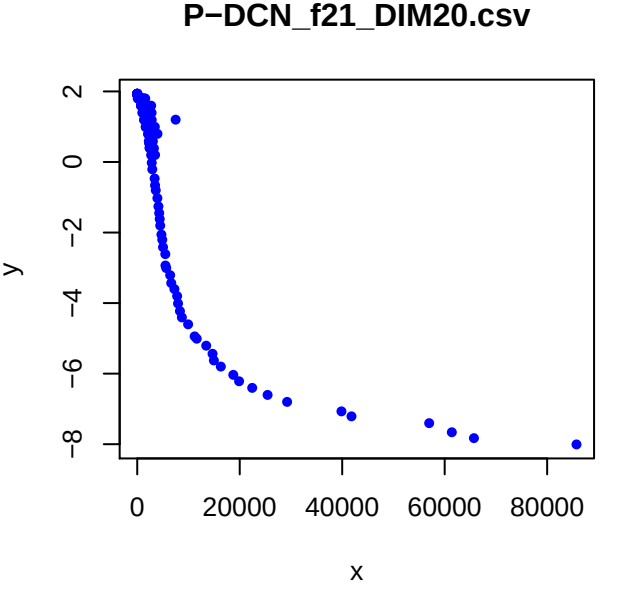
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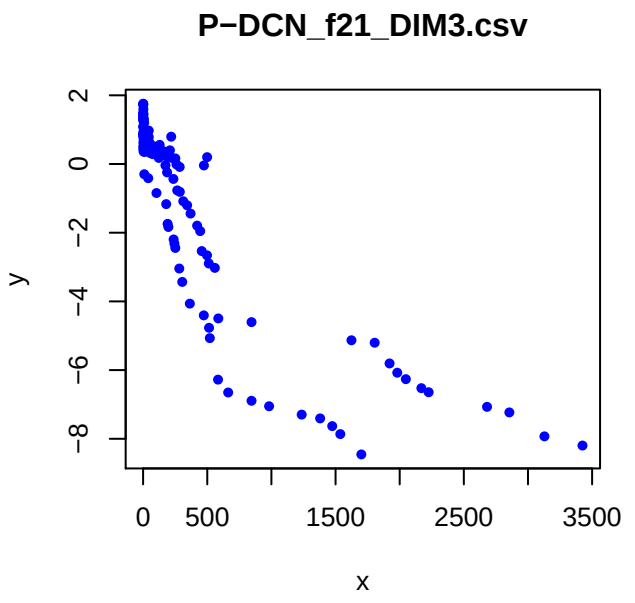
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2500
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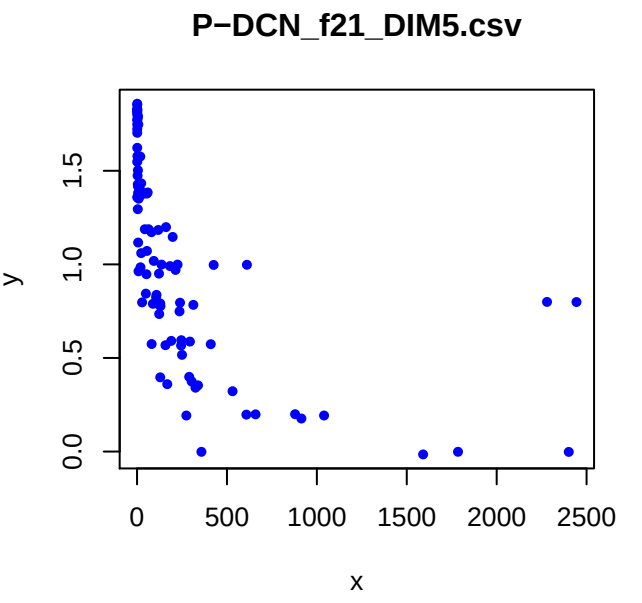
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2000
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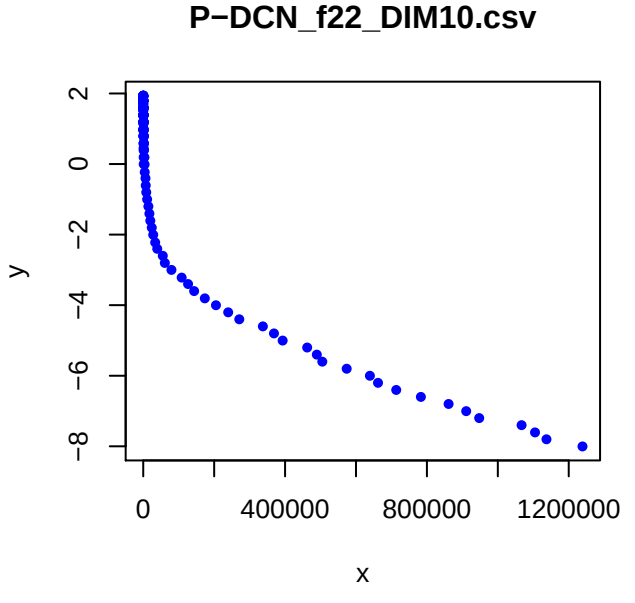
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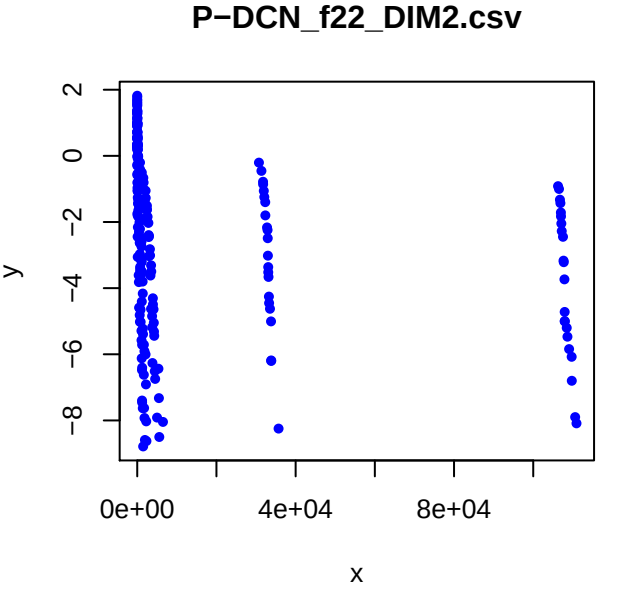
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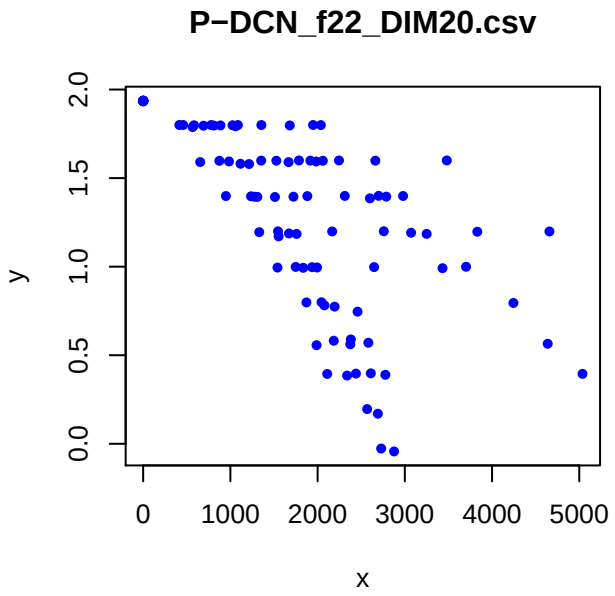
8e+04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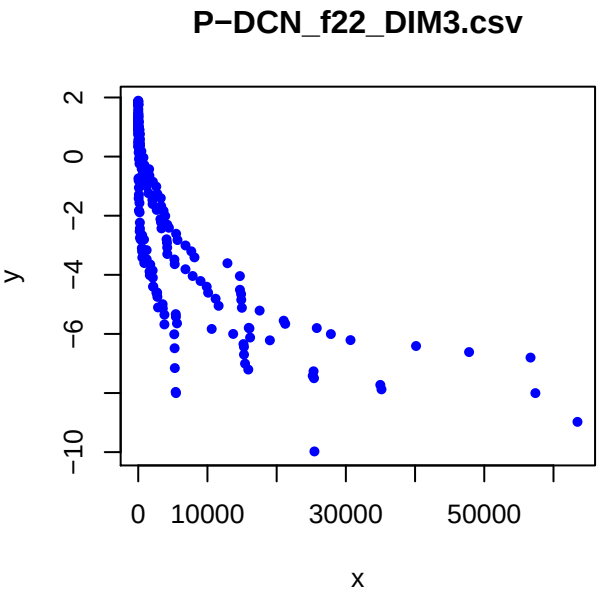
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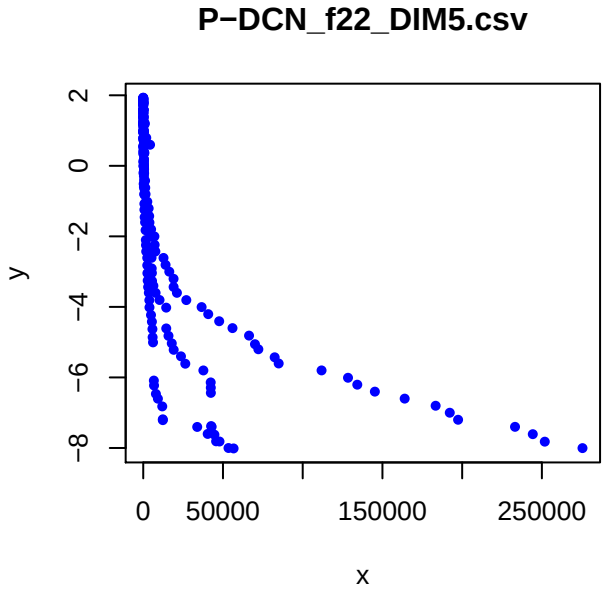
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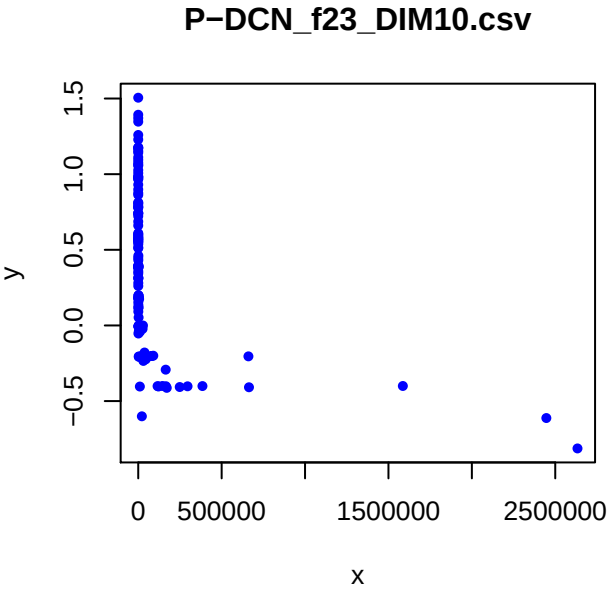
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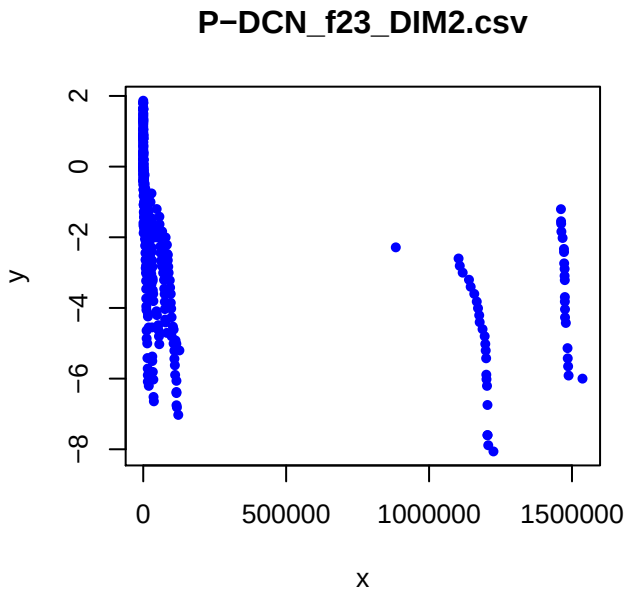
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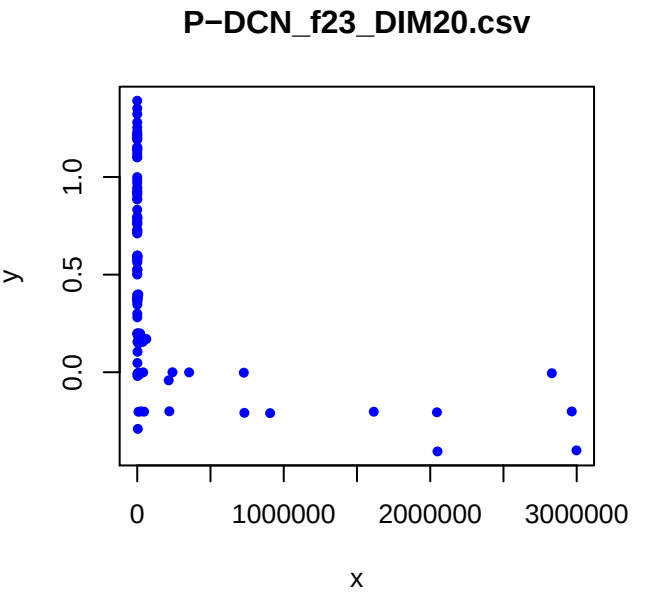
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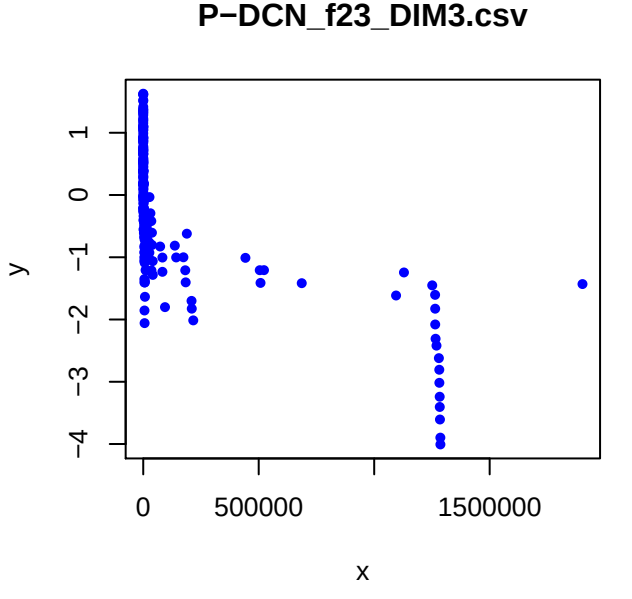
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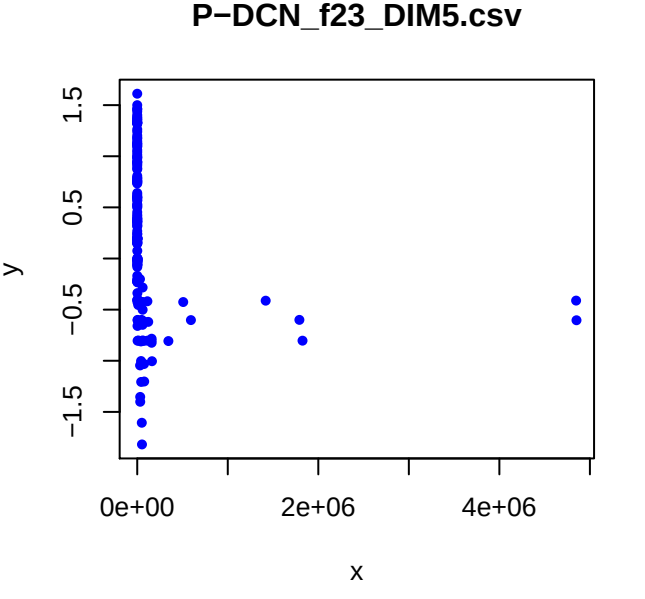
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x
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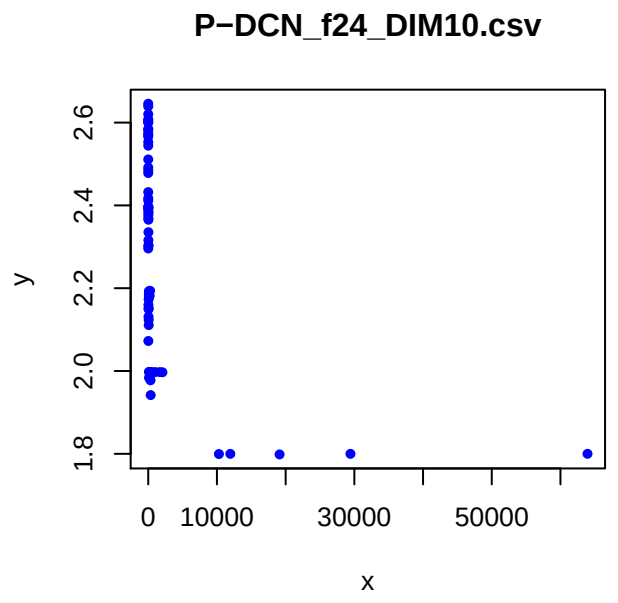
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2.2
2.4
2.6
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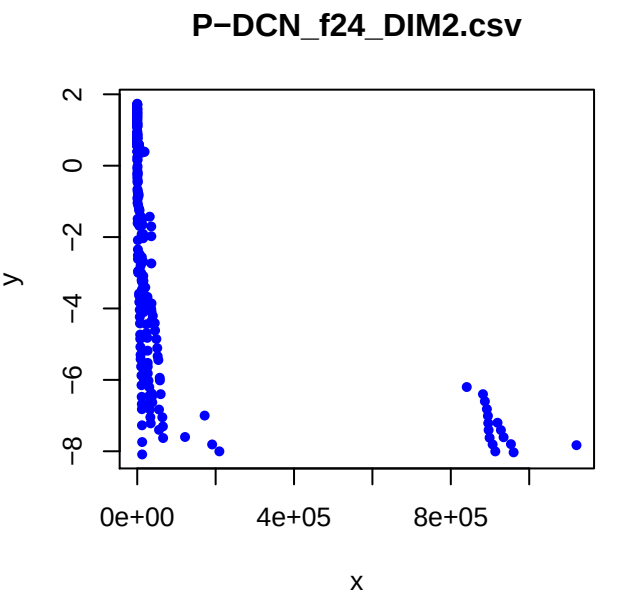
10000
30000
50000
x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−4
−2
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2
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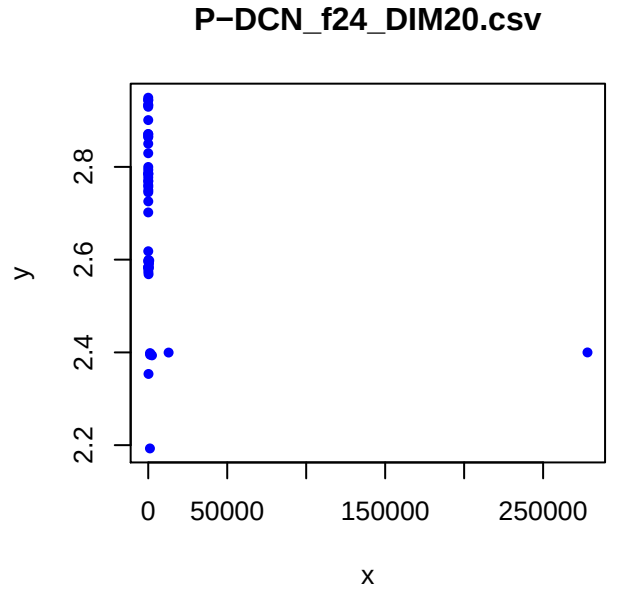
4e+05
8e+05
x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2.4
2.6
2.8
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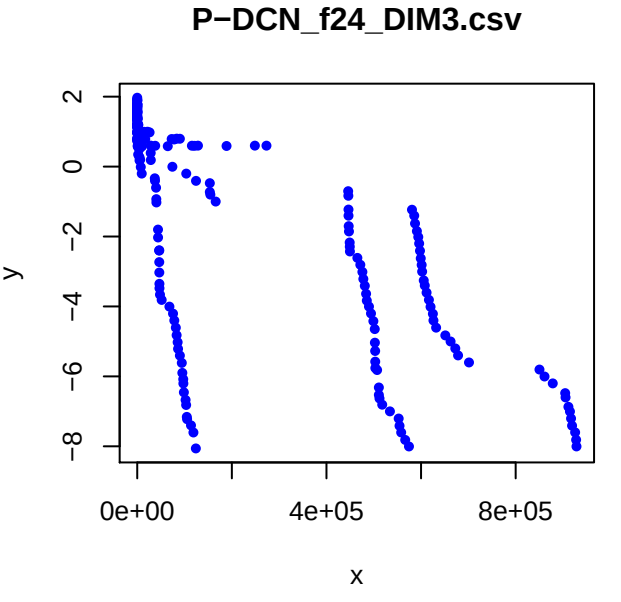
150000
250000
x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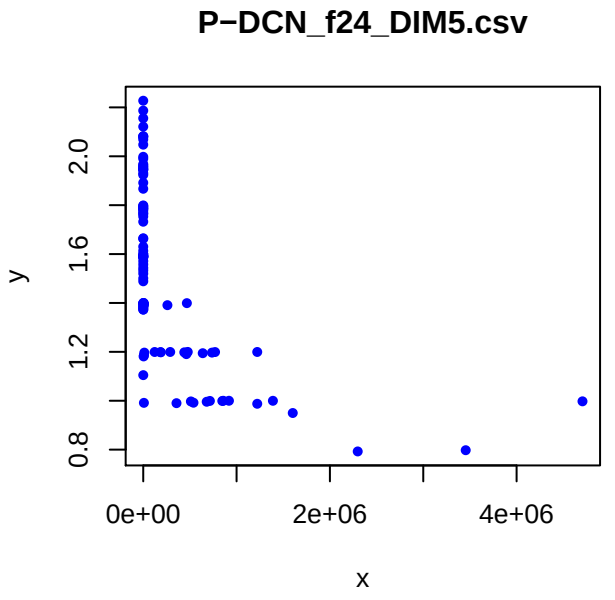
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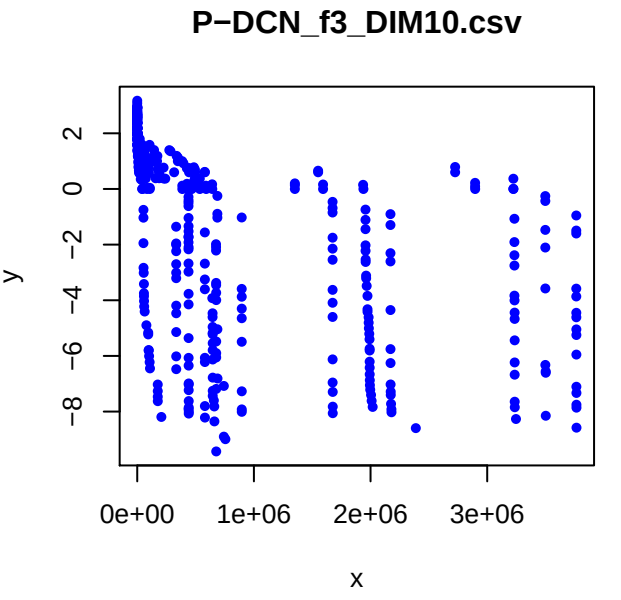
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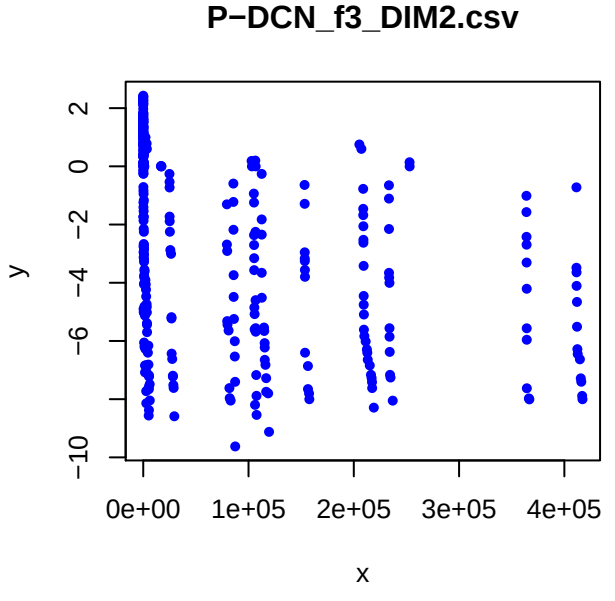
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4e+05
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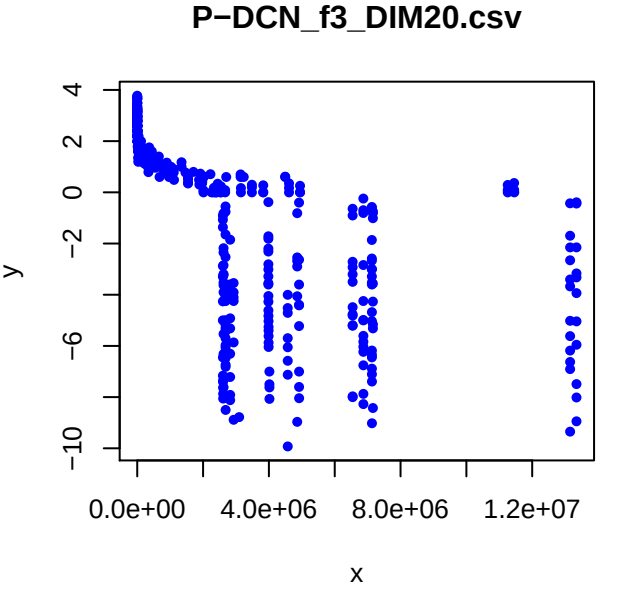
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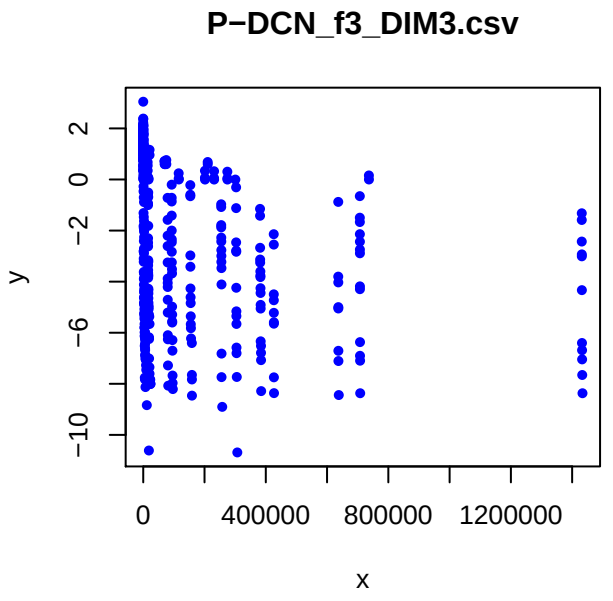
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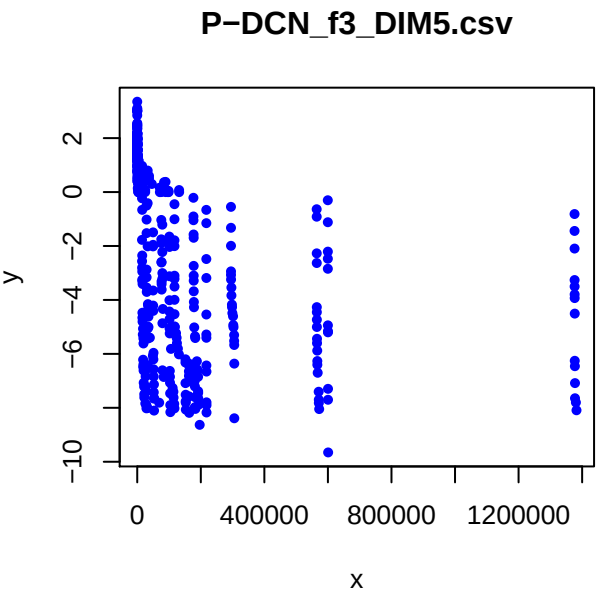
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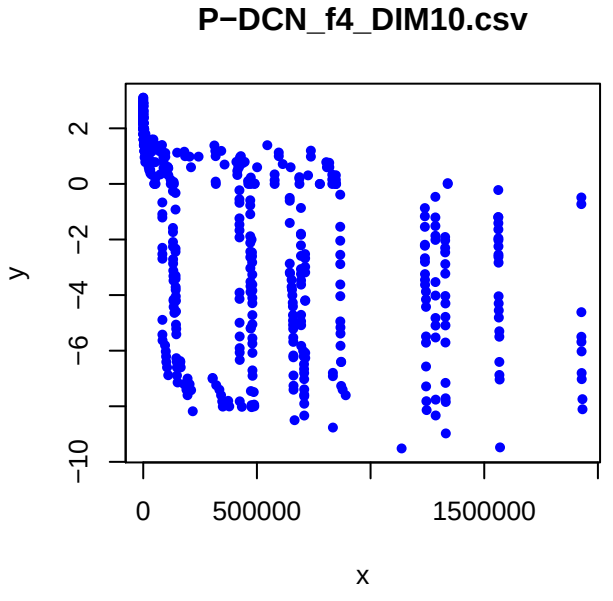
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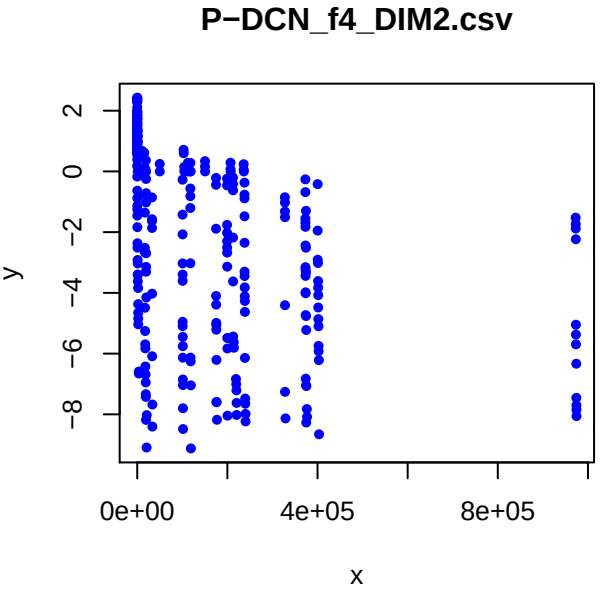
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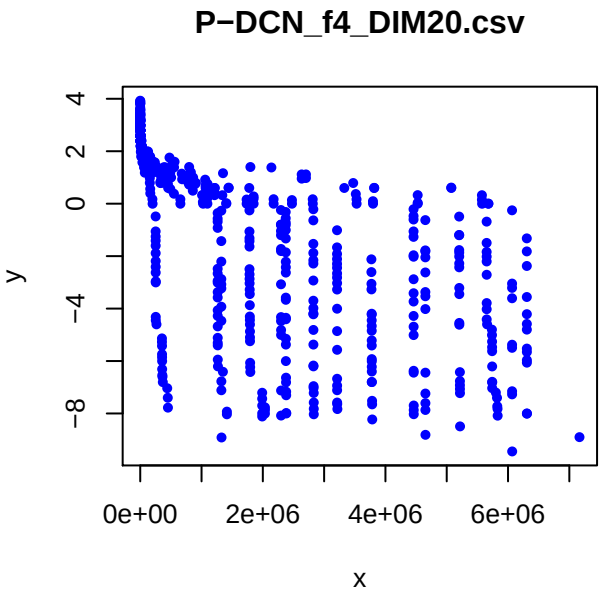
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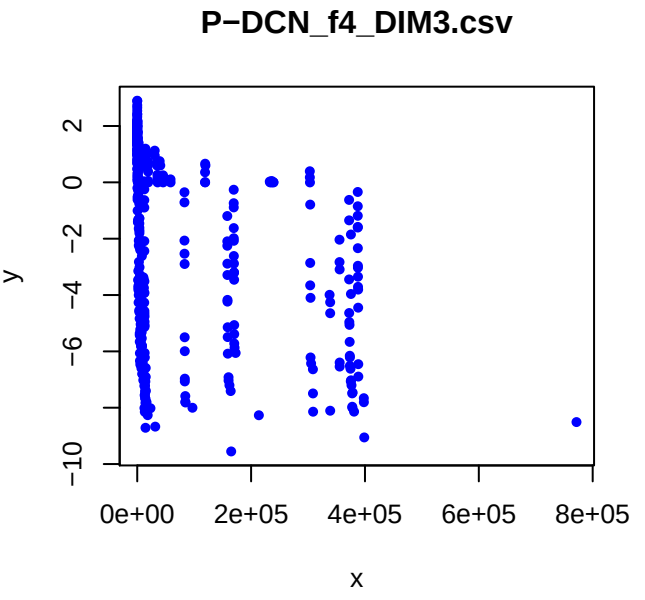
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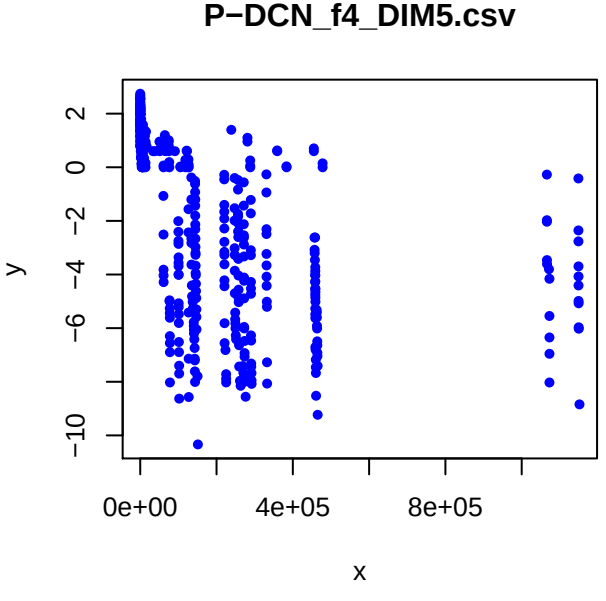
8e+05
x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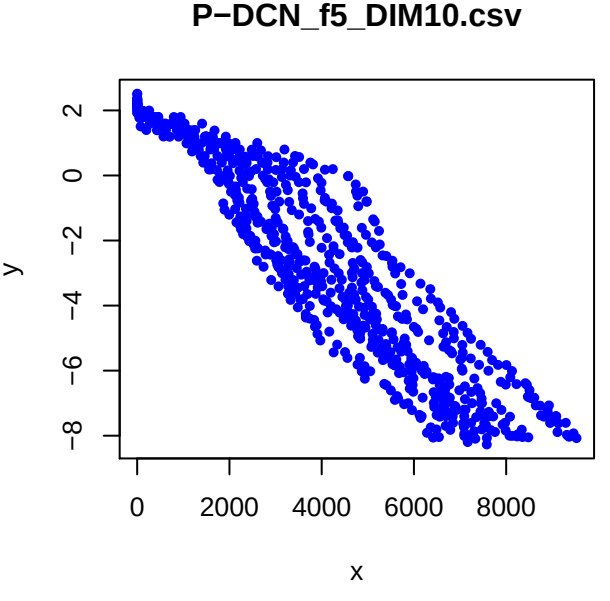
4e+05
8e+05
x


P−DCN_f5_DIM10.csv
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8000
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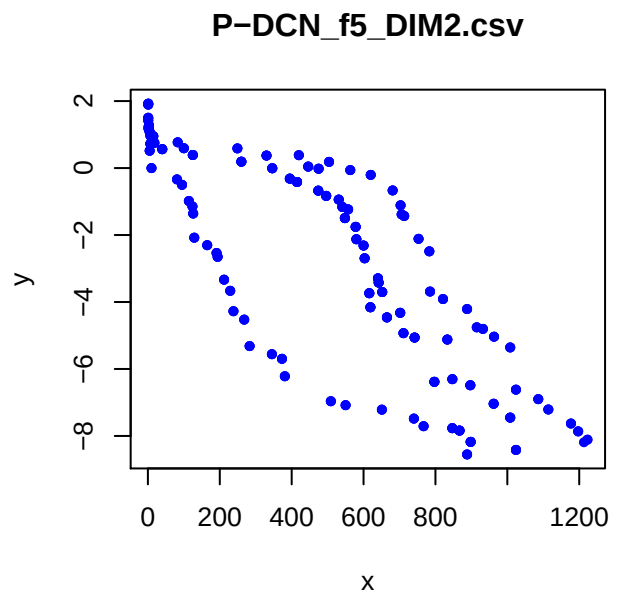
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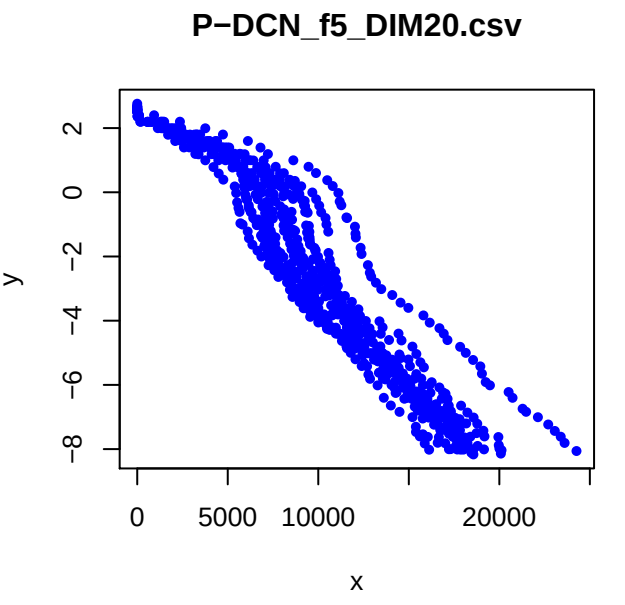
P−DCN_f5_DIM20.csv
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x
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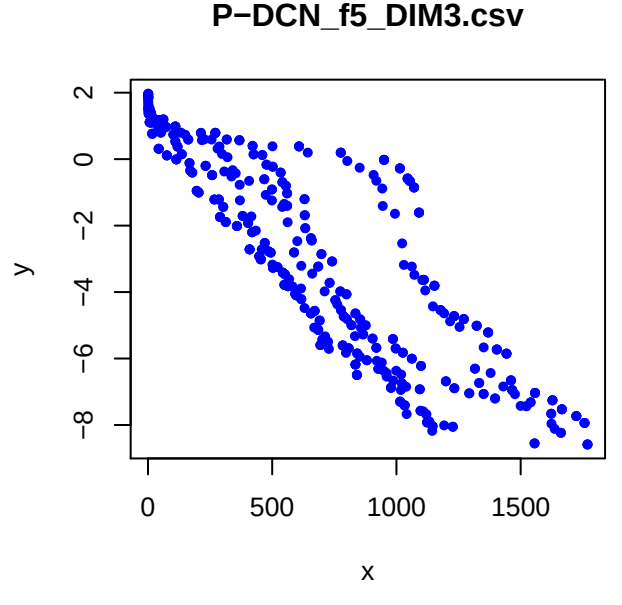
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−6
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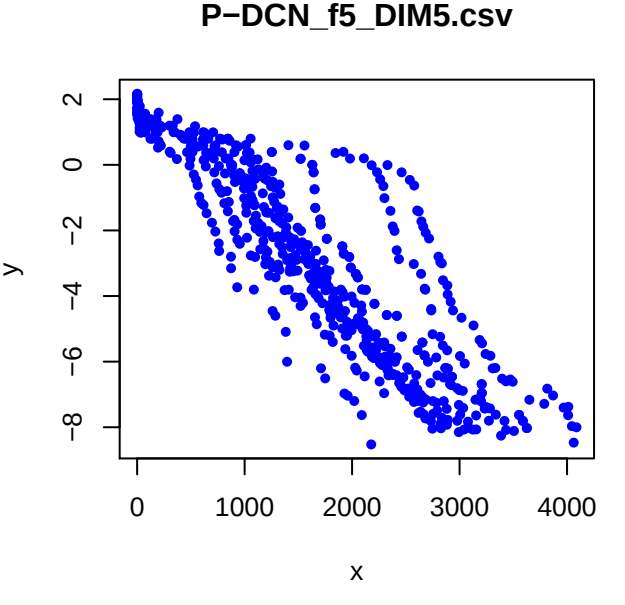
500
1000
1500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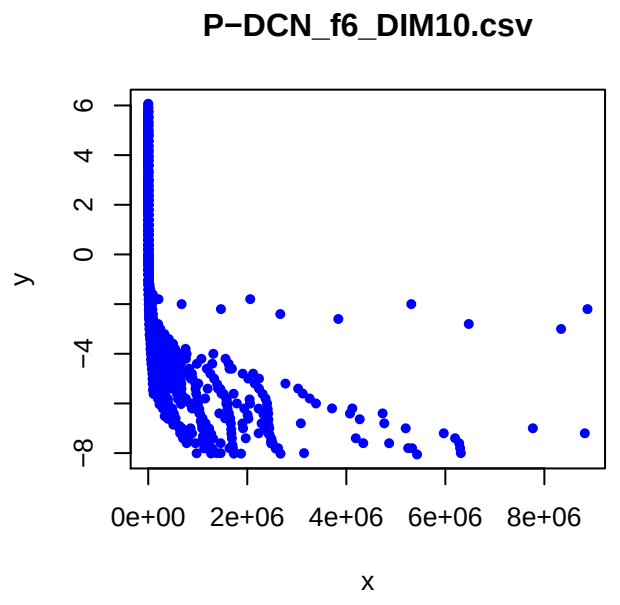
P−DCN_f6_DIM10.csv
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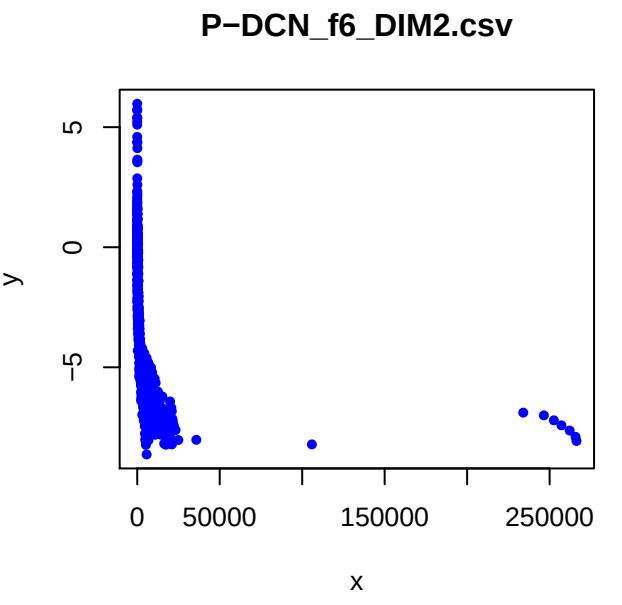
x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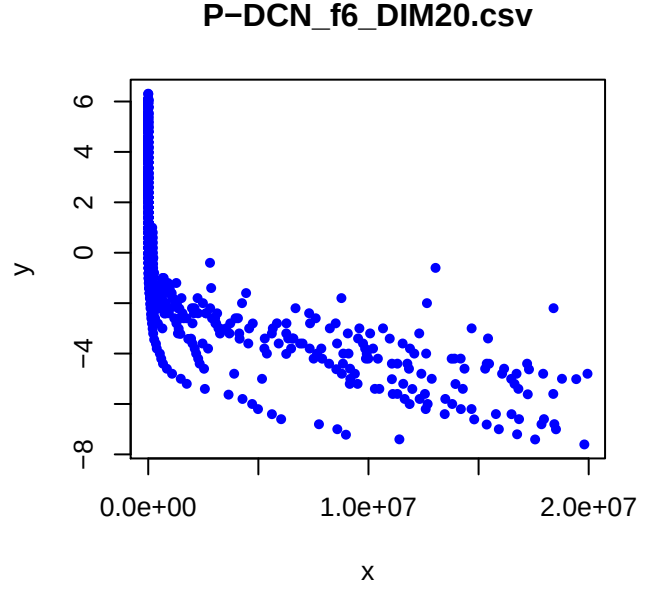
P−DCN_f6_DIM20.csv
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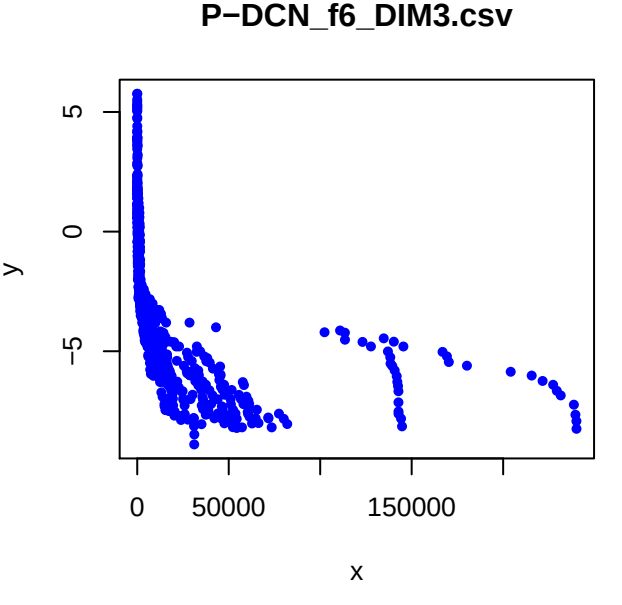
x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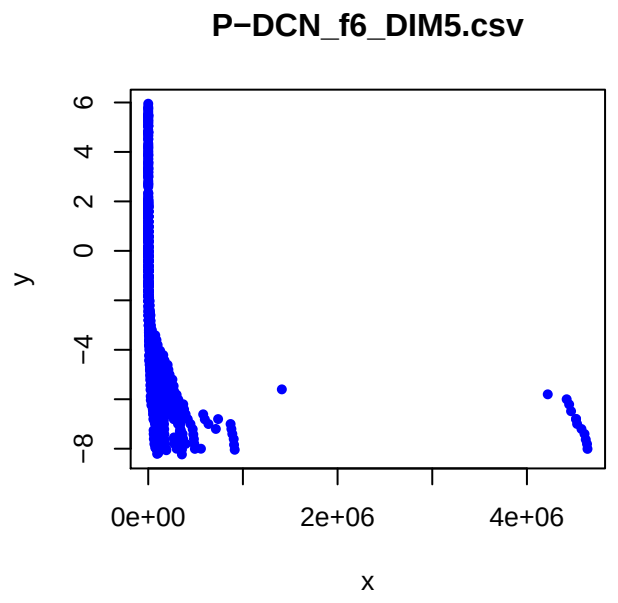
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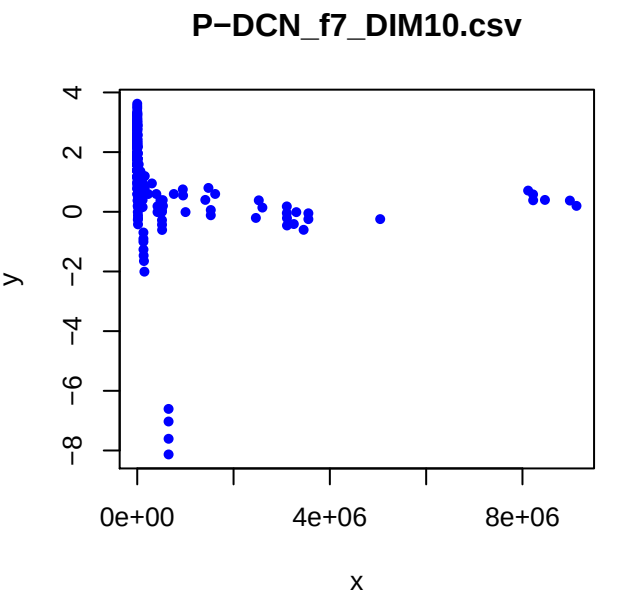
P−DCN_f7_DIM10.csv
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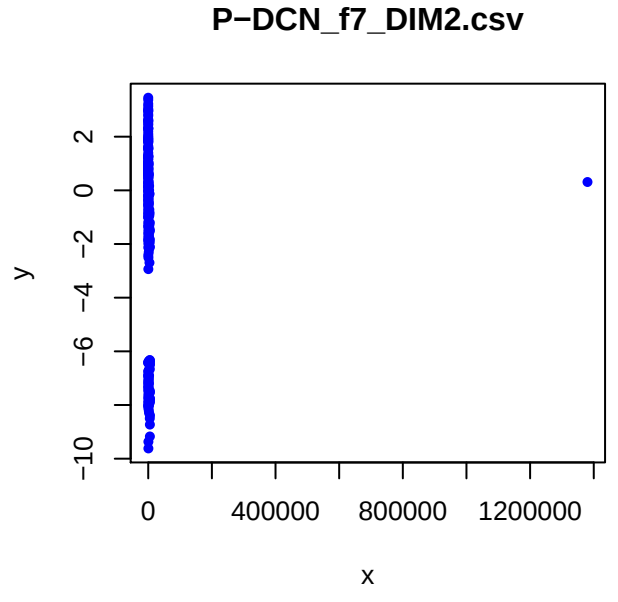
x


P−DCN_f7_DIM2.csv
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−4
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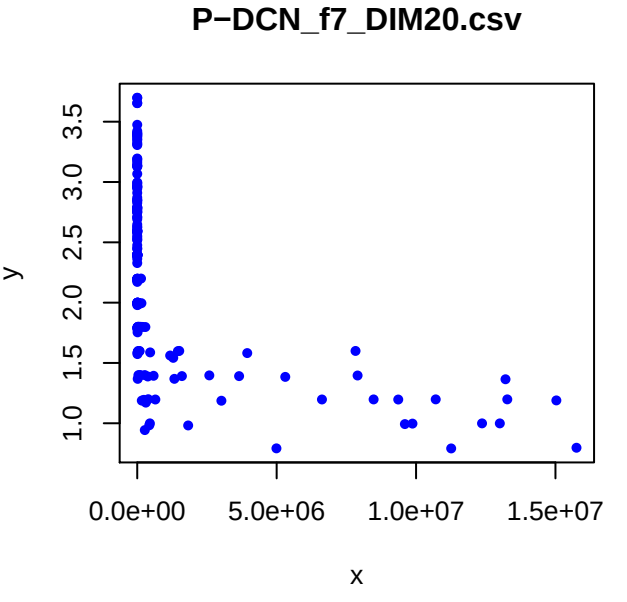
x


P−DCN_f7_DIM20.csv
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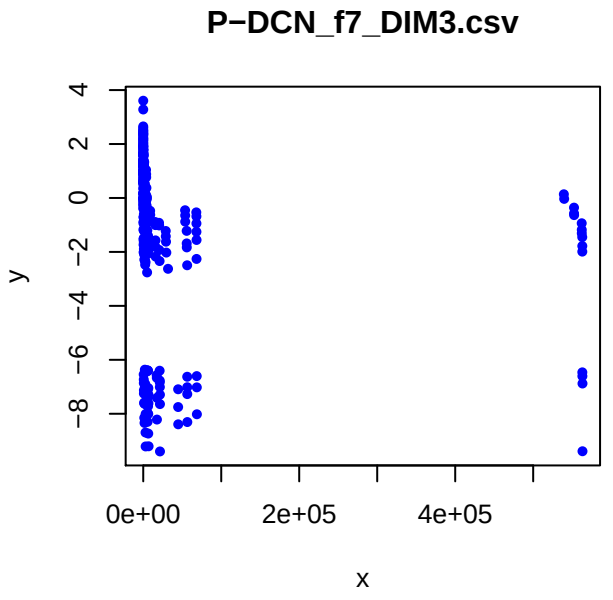
P−DCN_f7_DIM3.csv
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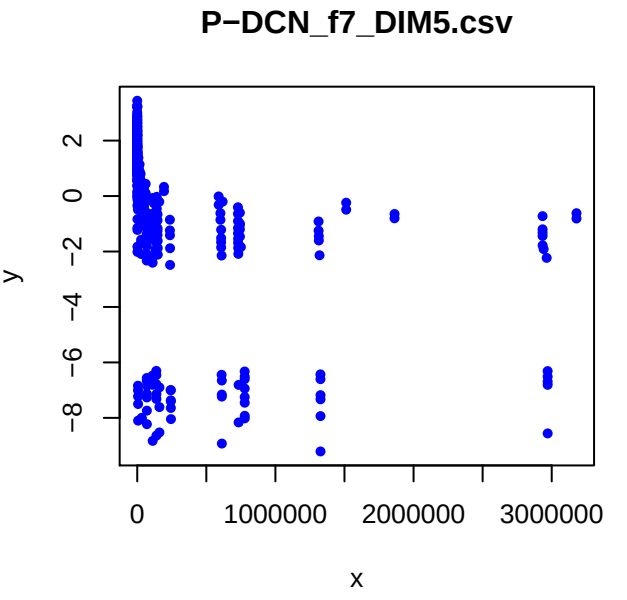
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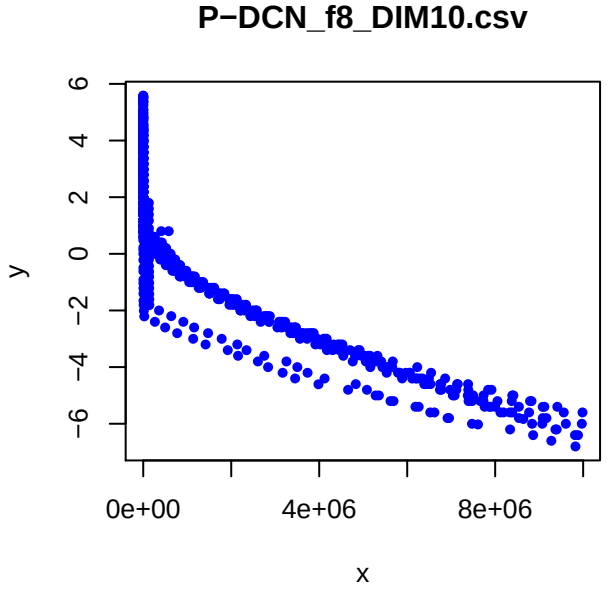
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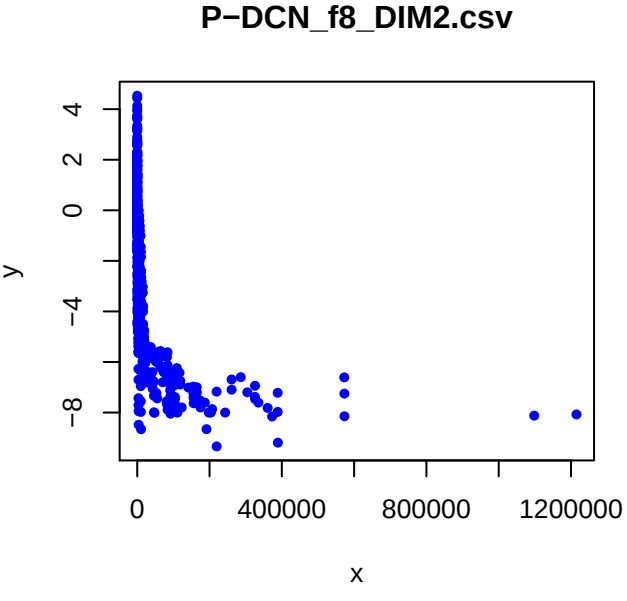
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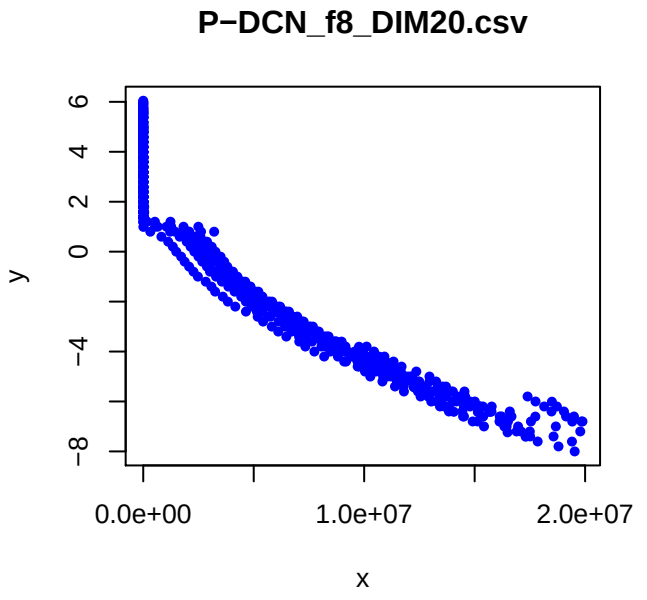
P−DCN_f8_DIM20.csv
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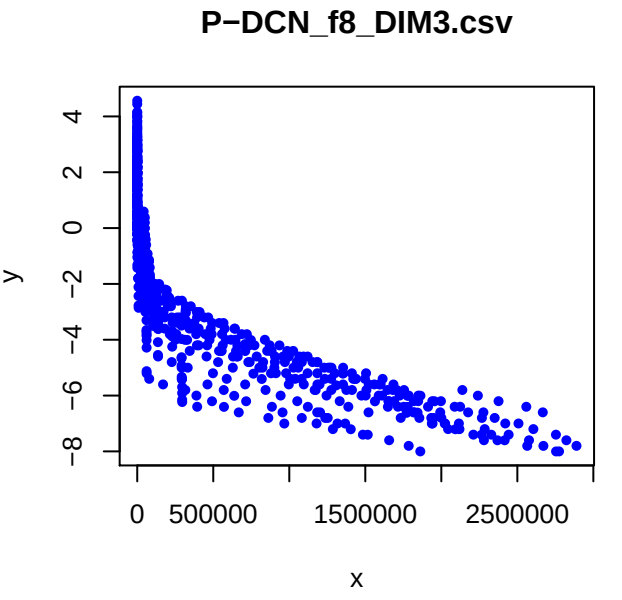
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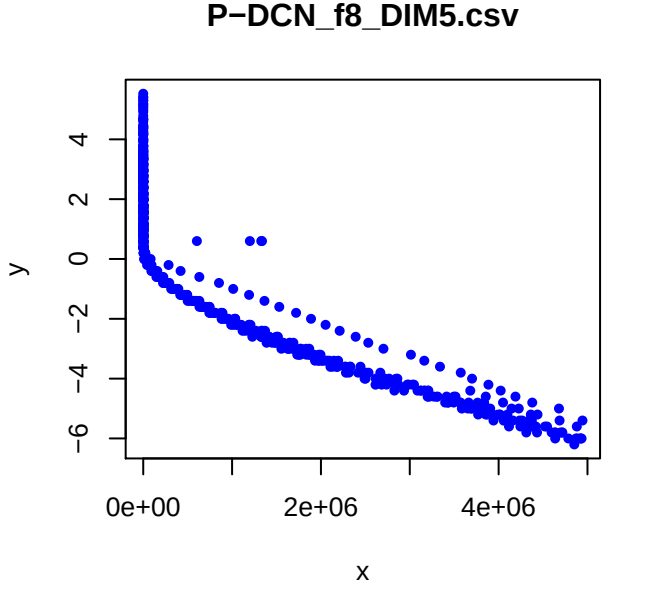
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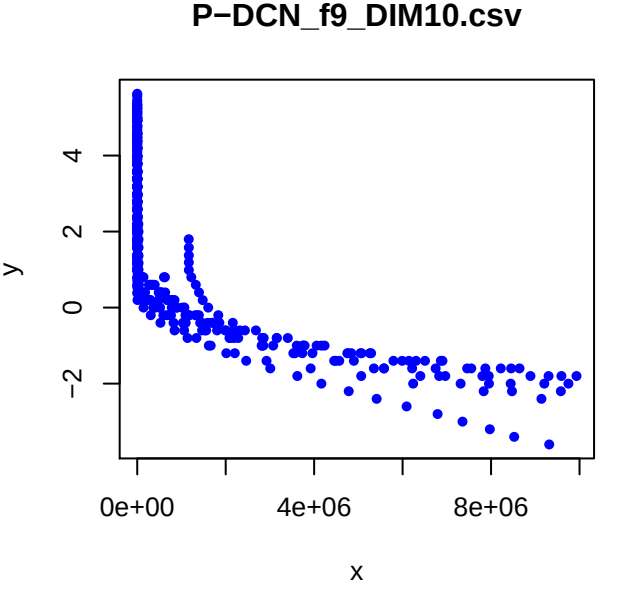
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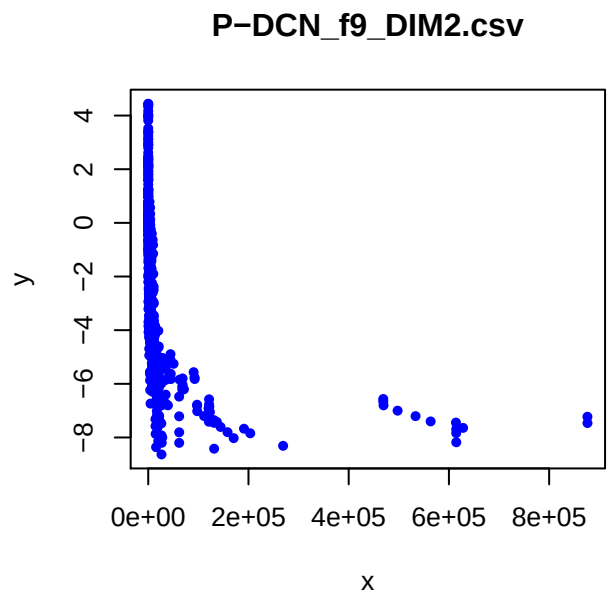
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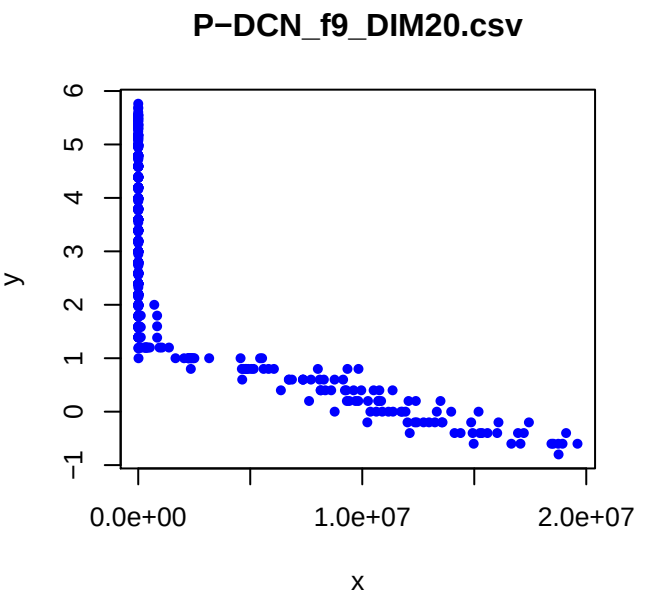
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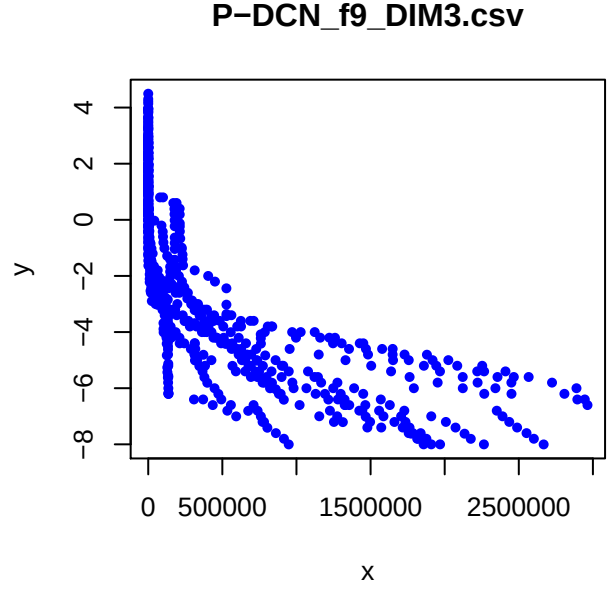
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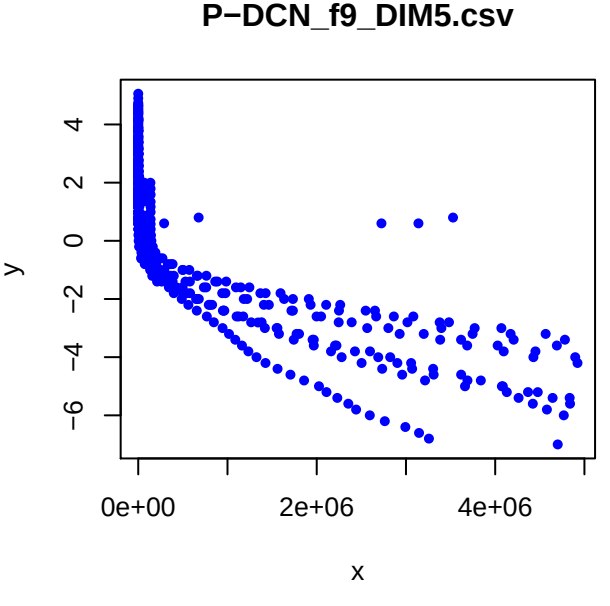
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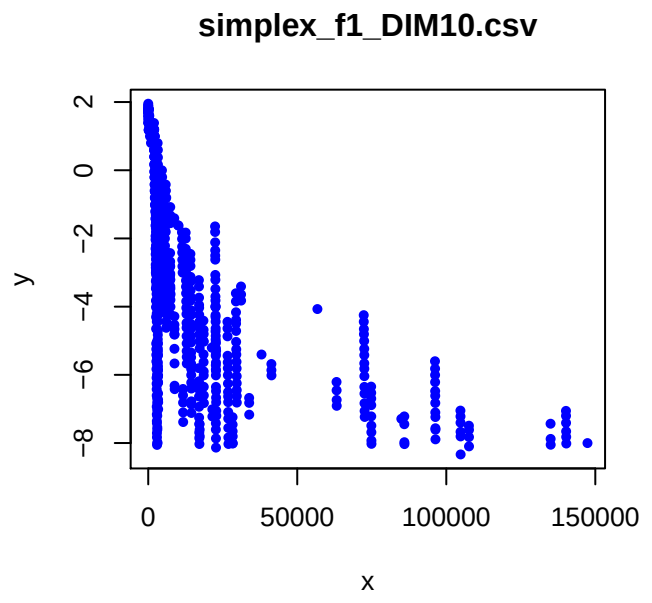
simplex_f1_DIM10.csv
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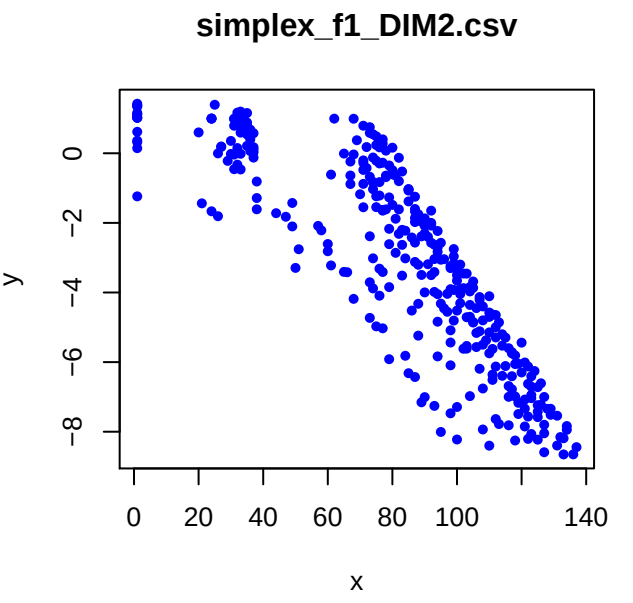
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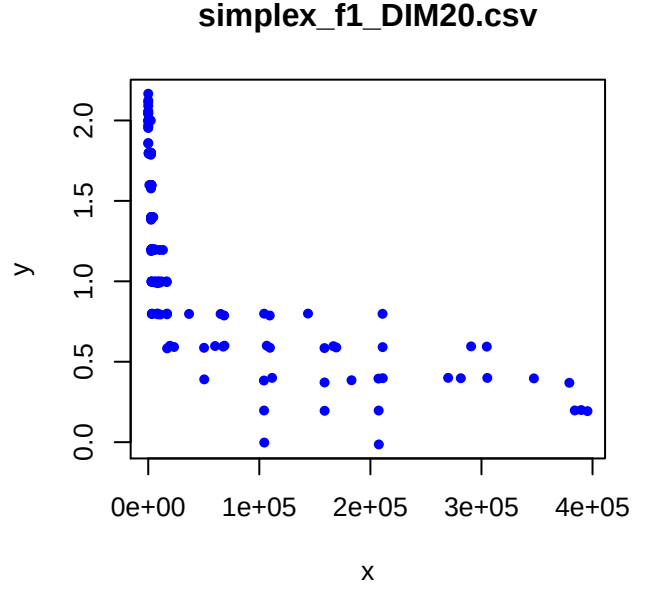
simplex_f1_DIM20.csv
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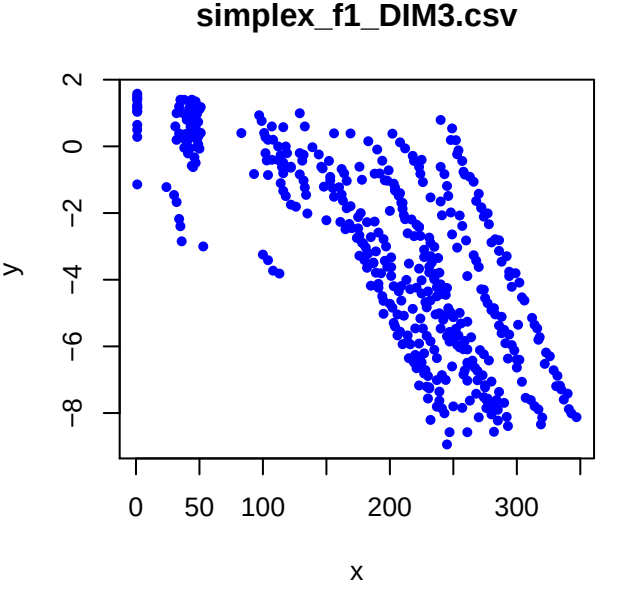
simplex_f1_DIM3.csv
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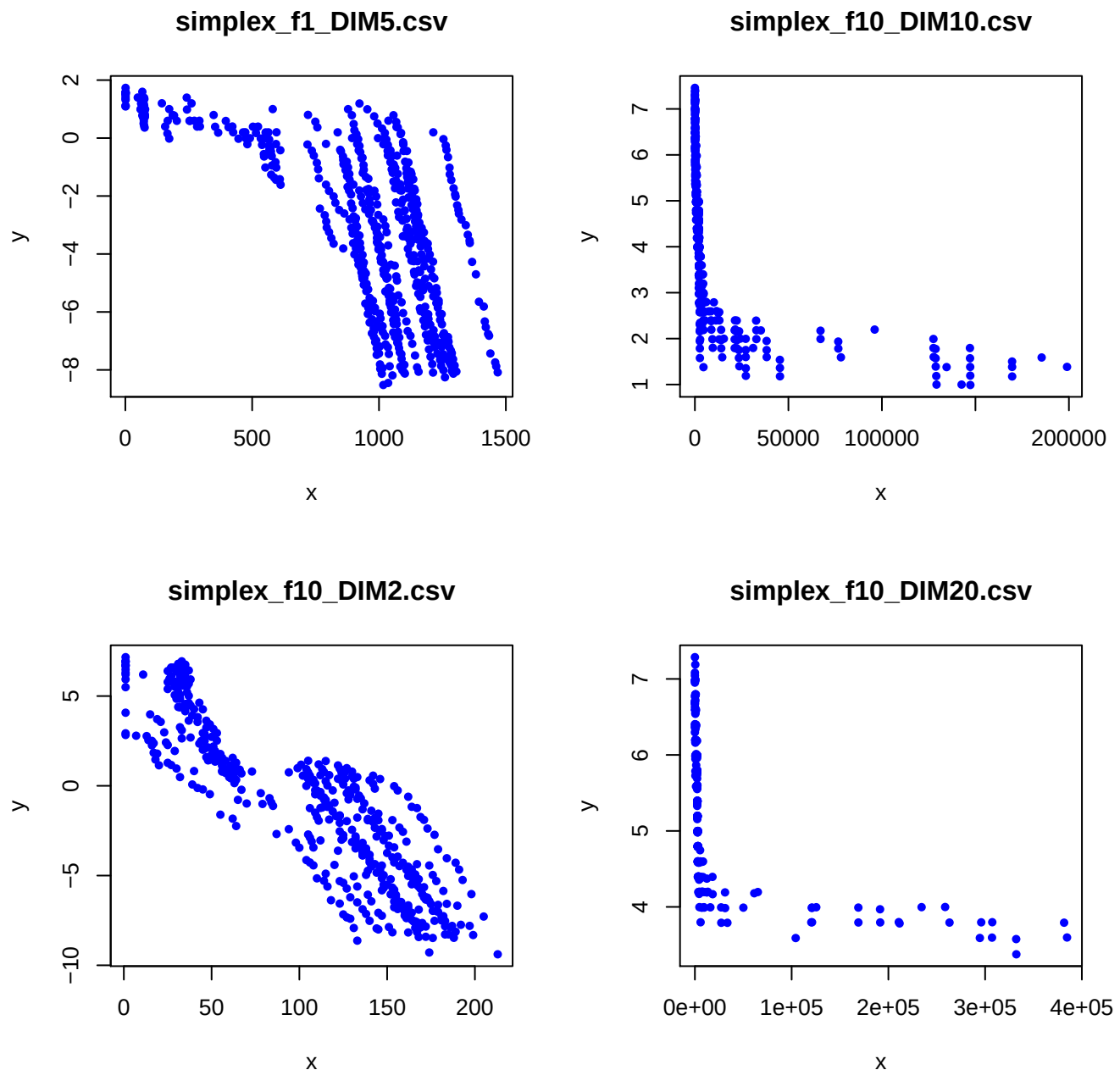
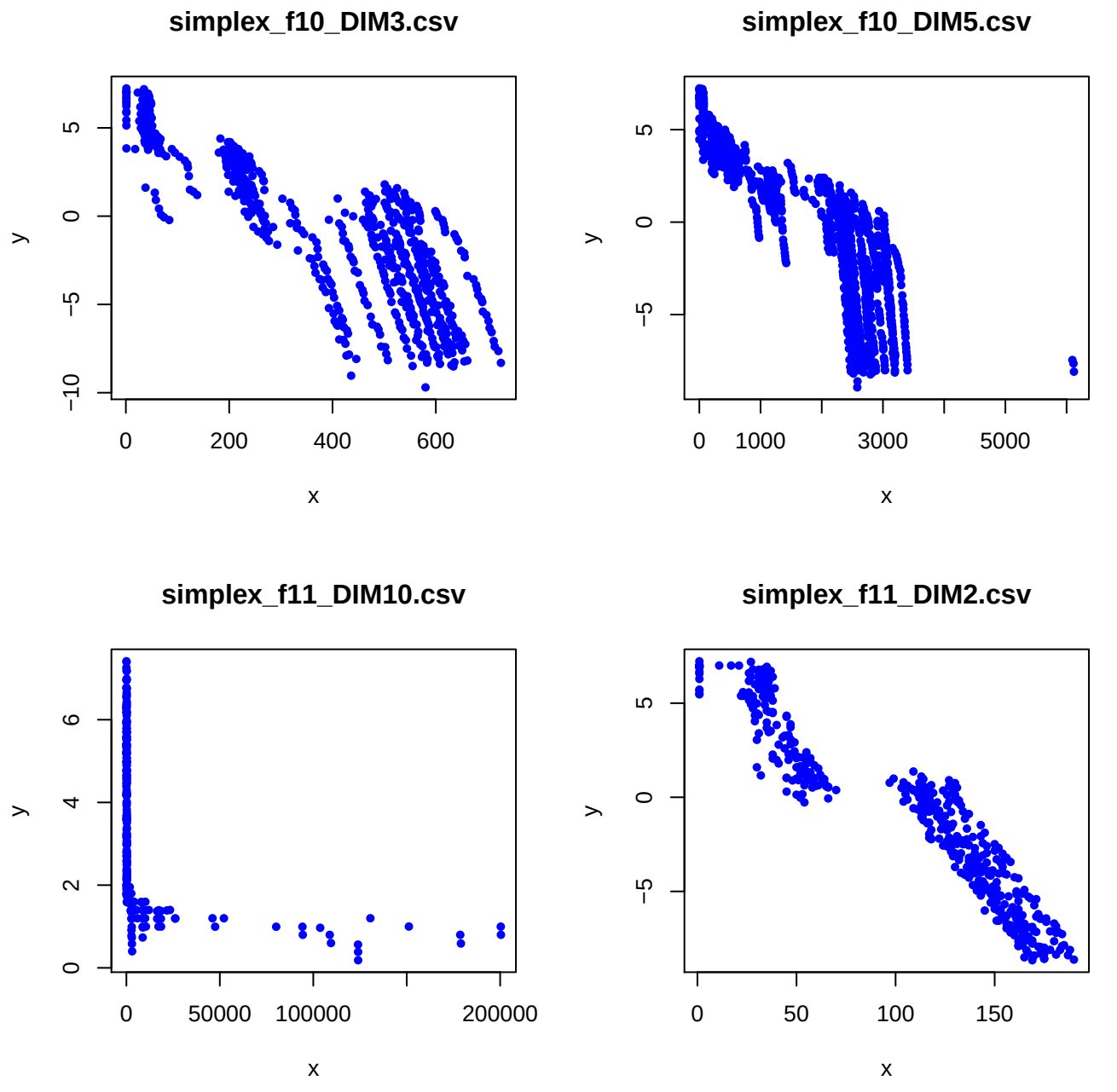

simplex_f1_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
500
1000
1500
simplex_f10_DIM10.csv
y
x
7
6
5
4
3
2
1
0
50000
100000
200000
simplex_f10_DIM2.csv
y
x
5
0
−5
−10
0
50
100
150
200
simplex_f10_DIM20.csv
y
x
7
6
5
4
0e+00
1e+05
2e+05
3e+05
4e+05


simplex_f10_DIM3.csv
y
x
5
0
−5
−10
0
200
400
600
simplex_f10_DIM5.csv
y
x
5
0
−5
0
1000
3000
5000
simplex_f11_DIM10.csv
y
x
6
4
2
0
0
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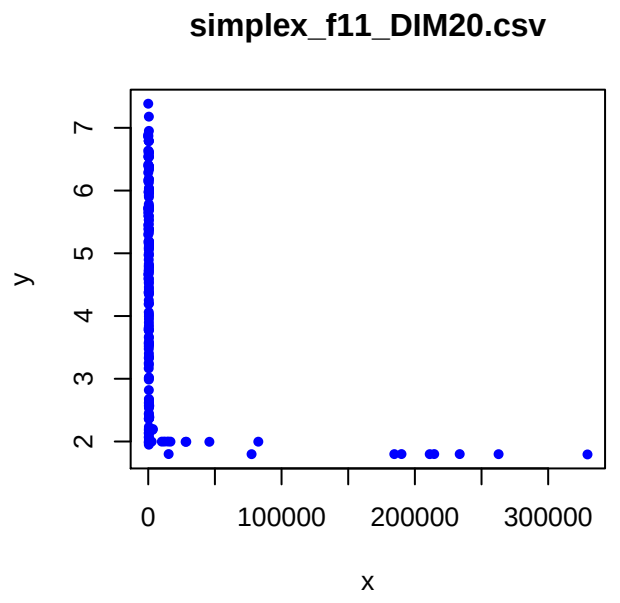
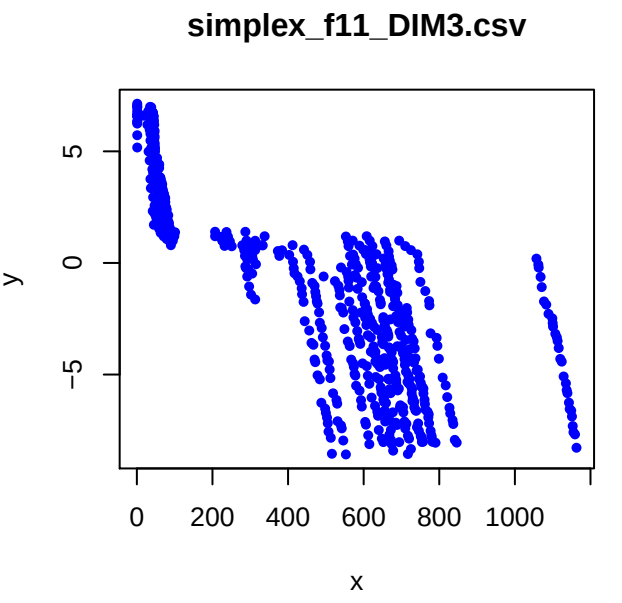
100000
200000
simplex_f11_DIM2.csv
y
x
5
0
−5
0
50
100
150


simplex_f11_DIM20.csv
y
x
2
3
4
5
6
7
0
100000
200000
300000


simplex_f11_DIM3.csv
y
x
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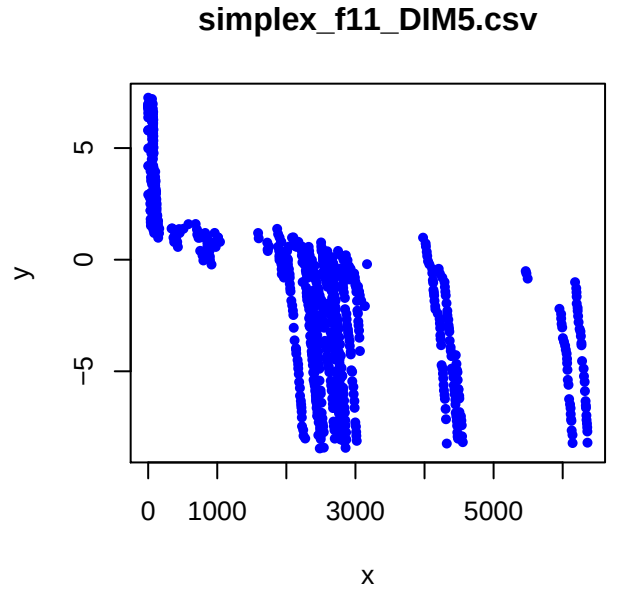
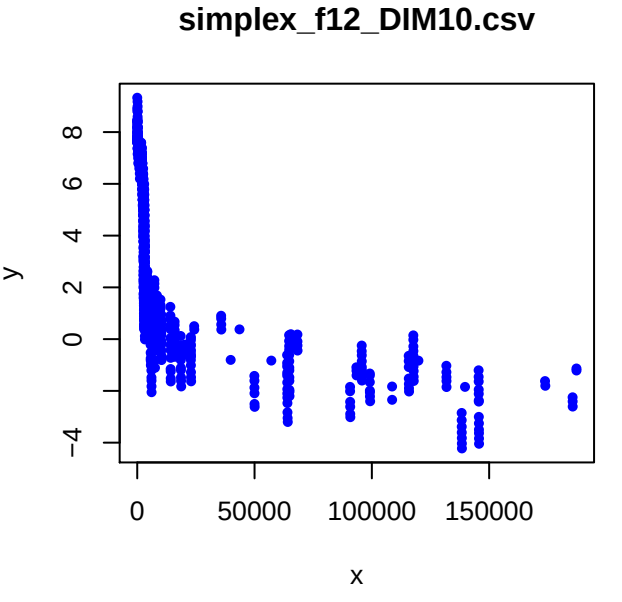
400
600
800
1000


simplex_f11_DIM5.csv
y
x
−5
0
5
0
1000
3000
5000


simplex_f12_DIM10.csv
y
x
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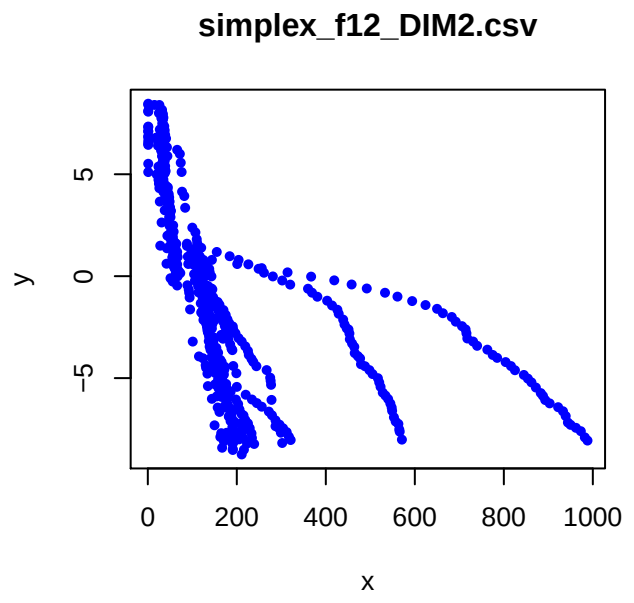
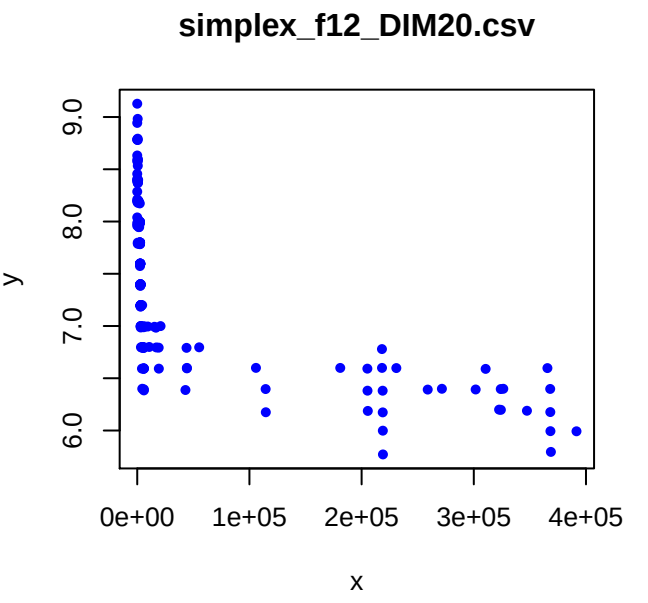
0
2
4
6
8
0
50000
100000
150000


simplex_f12_DIM2.csv
y
5
0
−5
0
200
400
600
800
1000
x


simplex_f12_DIM20.csv
y
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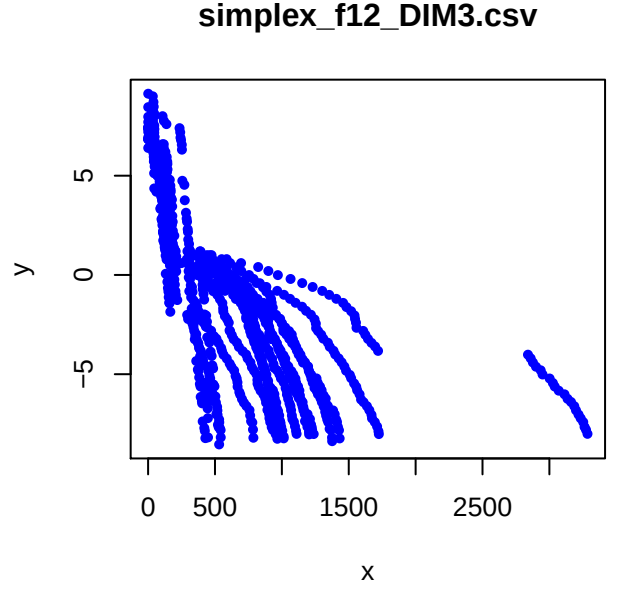
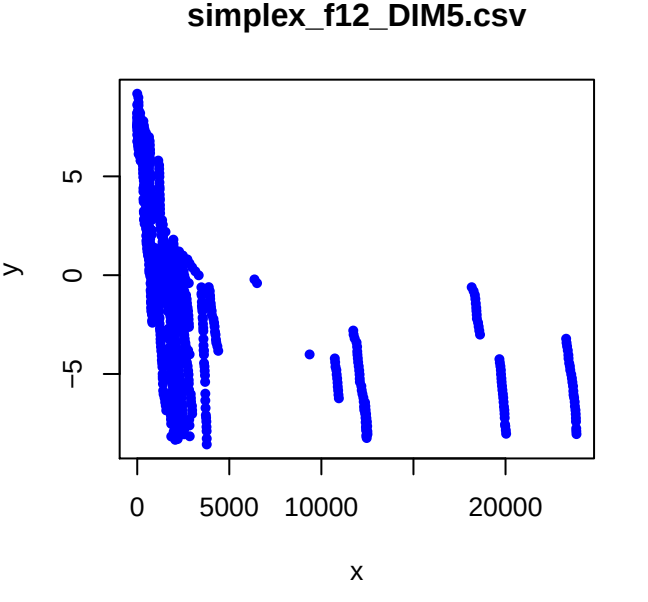
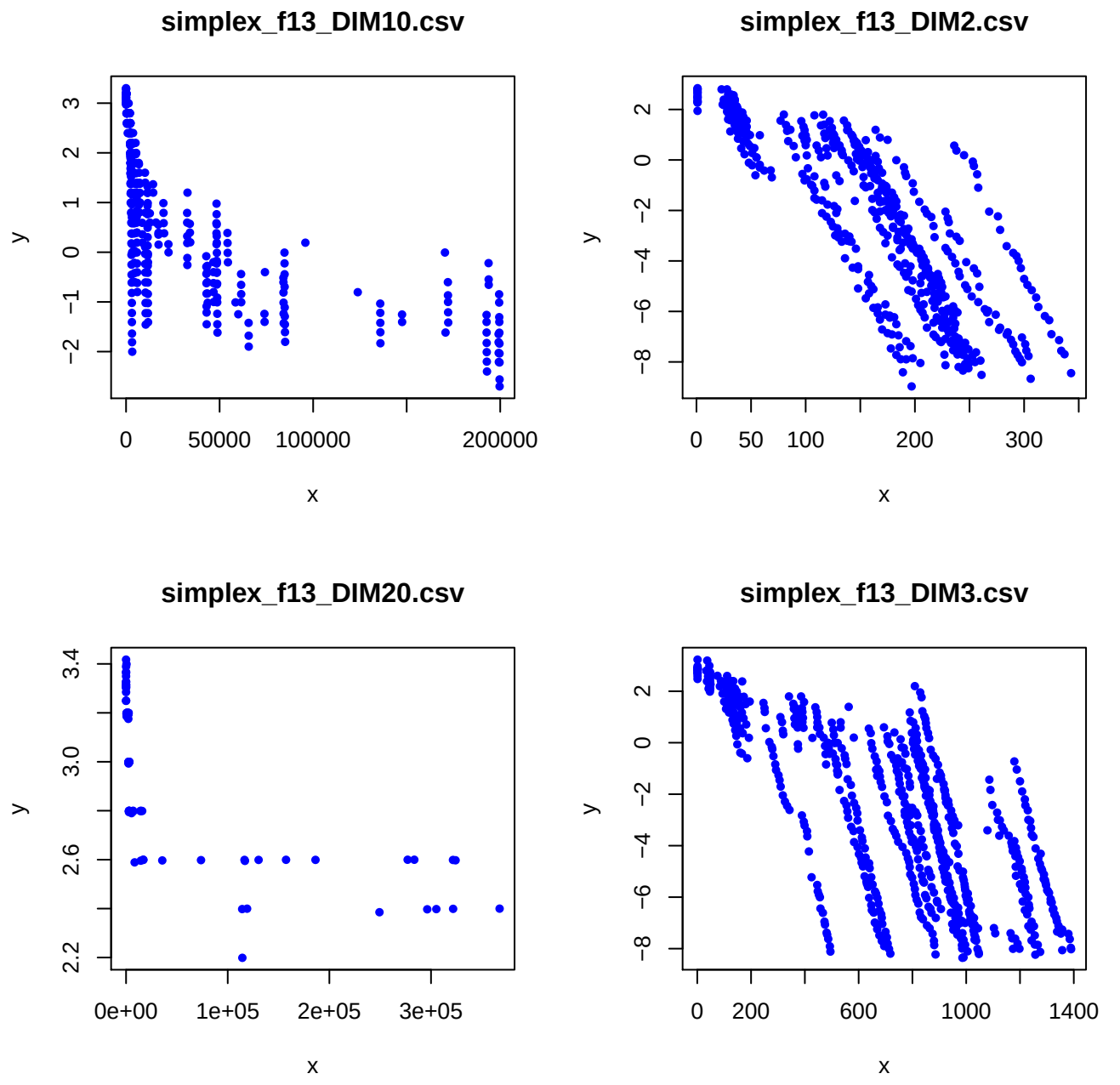
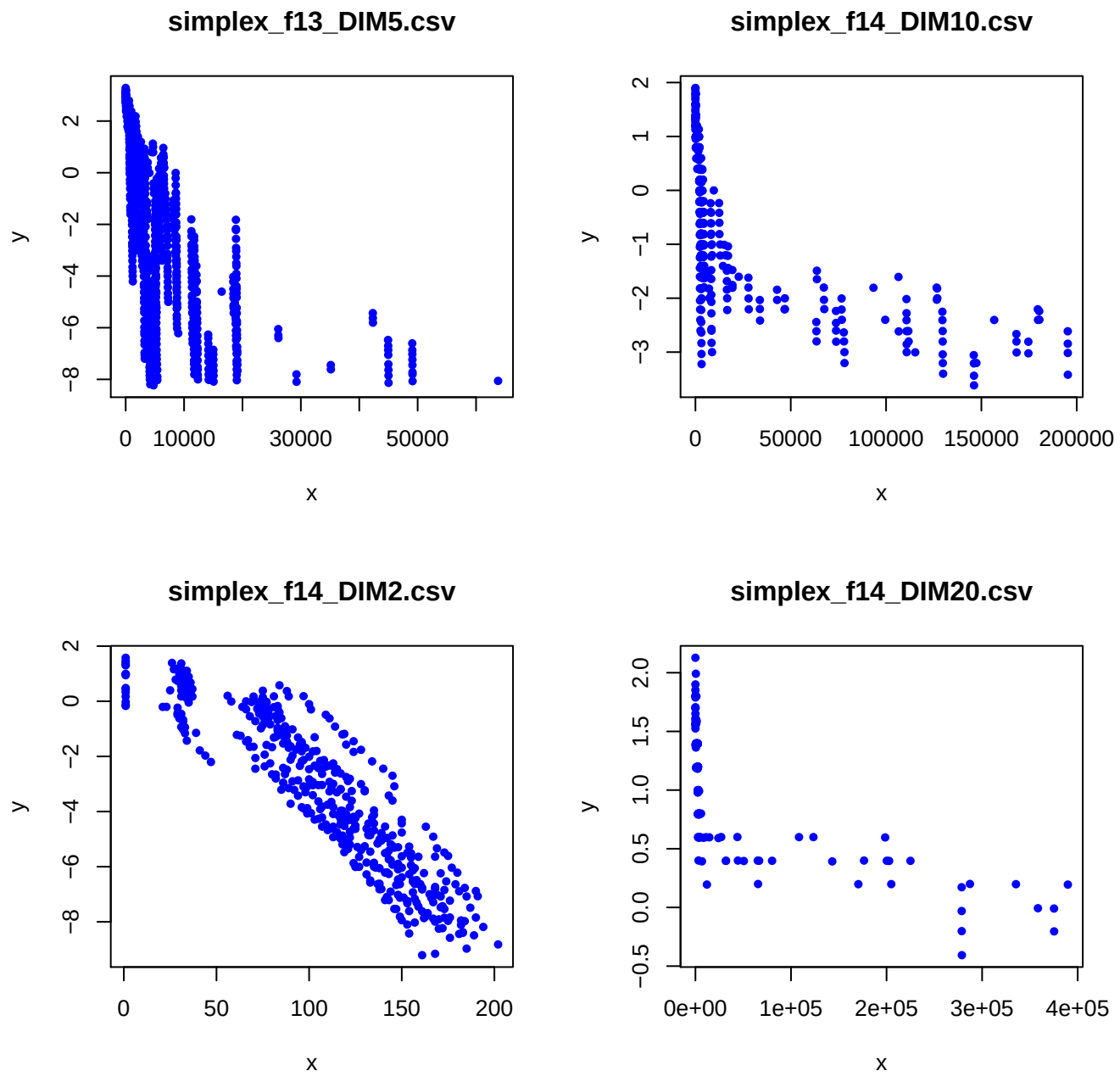
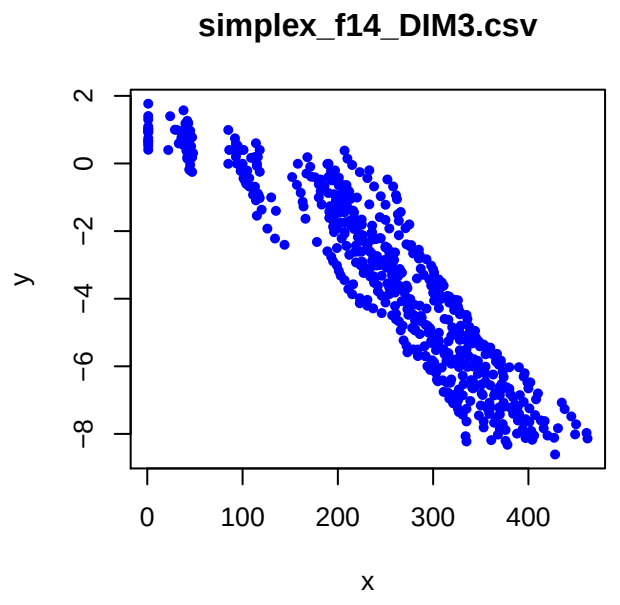
8.0
7.0
6.0
0e+00
1e+05
2e+05
3e+05
4e+05
x


simplex_f12_DIM3.csv
y
5
0
−5
0
500
1500
2500
x


simplex_f12_DIM5.csv
y
5
0
−5
0
5000
10000
20000
x


simplex_f13_DIM10.csv
y
x
3
2
1
0
−1
−2
0
50000
100000
200000
simplex_f13_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
200
300
simplex_f13_DIM20.csv
y
x
3.4
3.0
2.6
2.2
0e+00
1e+05
2e+05
3e+05
simplex_f13_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
200
600
1000
1400


simplex_f13_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
10000
30000
50000
simplex_f14_DIM10.csv
y
x
2
1
0
−1
−2
−3
0
50000
100000
150000
200000
simplex_f14_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
50
100
150
200
simplex_f14_DIM20.csv
y
x
2.0
1.5
1.0
0.5
0.0
−0.5
0e+00
1e+05
2e+05
3e+05
4e+05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y
x
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0
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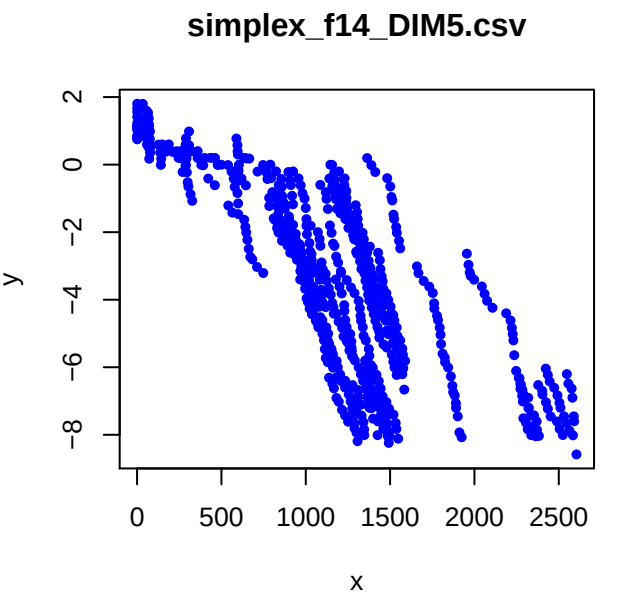
−6
−8
0
100
200
300
400


simplex_f14_DIM5.csv
y
x
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−4
−6
−8
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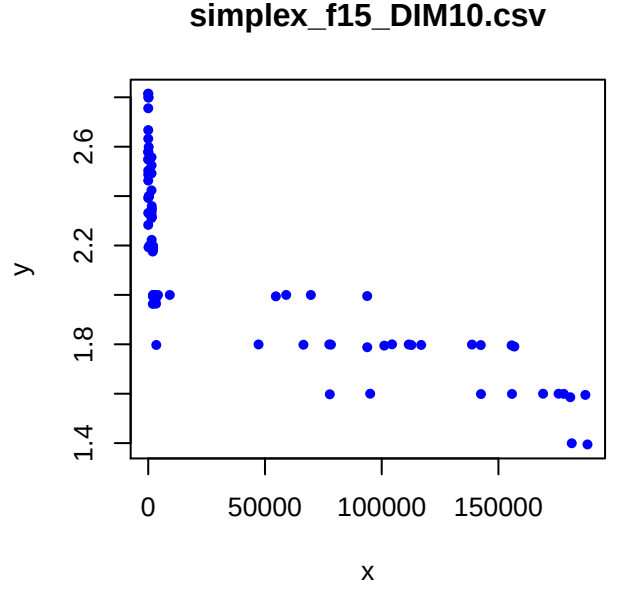
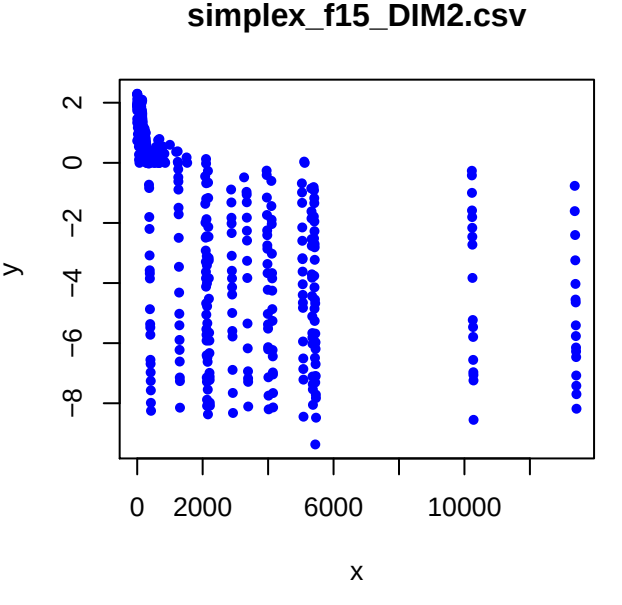
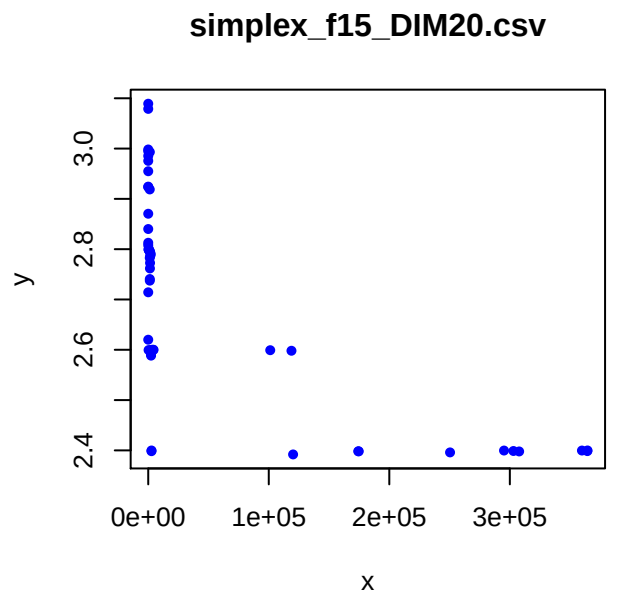
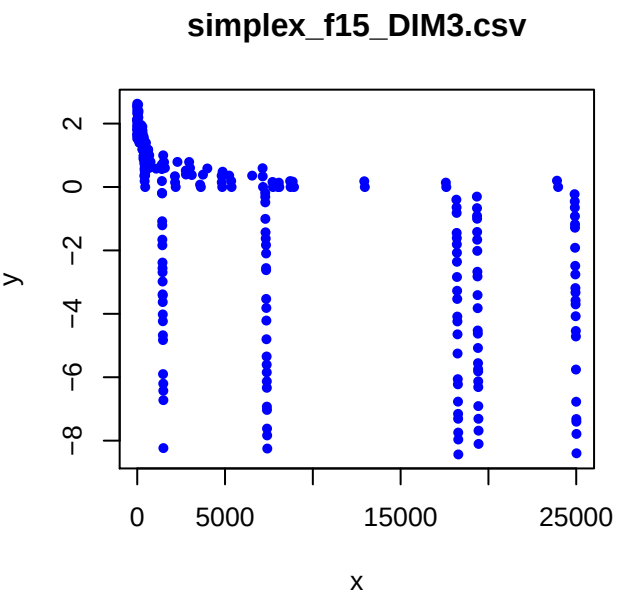
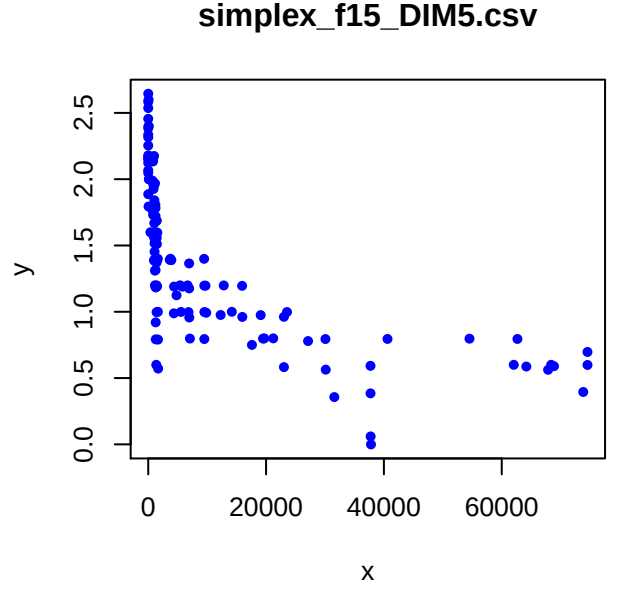
1000
1500
2000
2500


simplex_f15_DIM10.csv
y
x
2.6
2.2
1.8
1.4
0
50000
100000
150000


simplex_f15_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
2000
6000
10000


simplex_f15_DIM20.csv
y
x
3.0
2.8
2.6
2.4
0e+00
1e+05
2e+05
3e+05


simplex_f15_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000


simplex_f15_DIM5.csv
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x
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2.0
1.5
1.0
0.5
0.0
0
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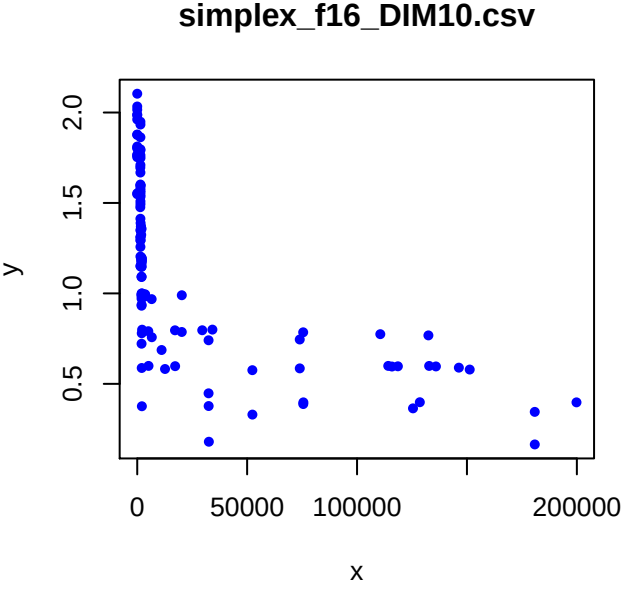
40000
60000


simplex_f16_DIM10.csv
y
x
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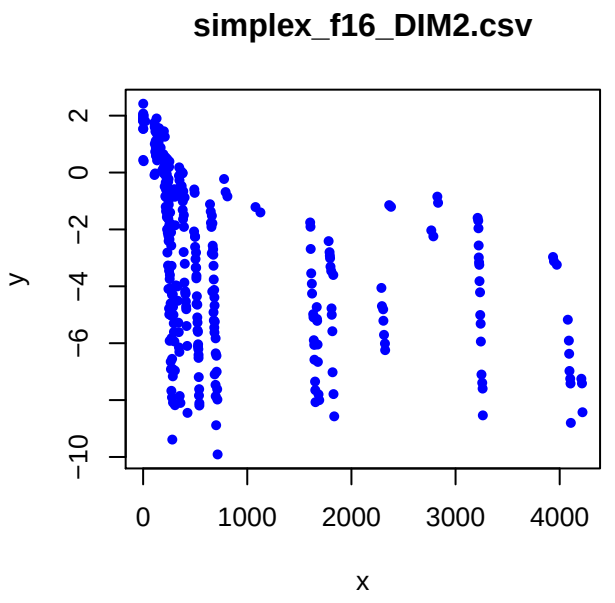
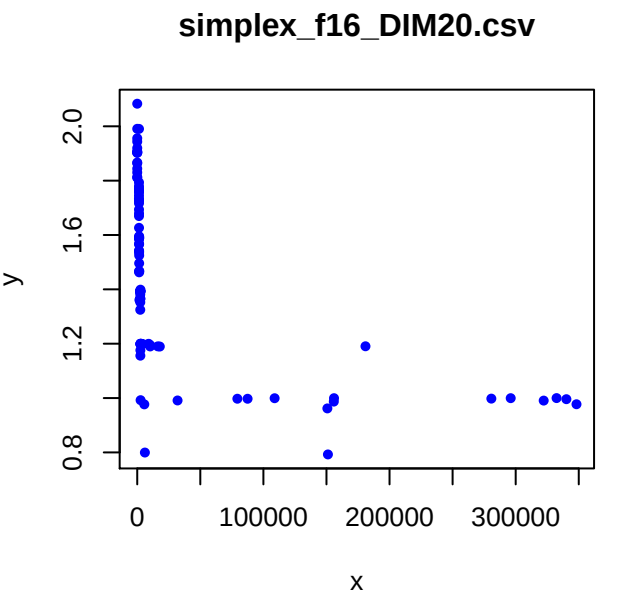
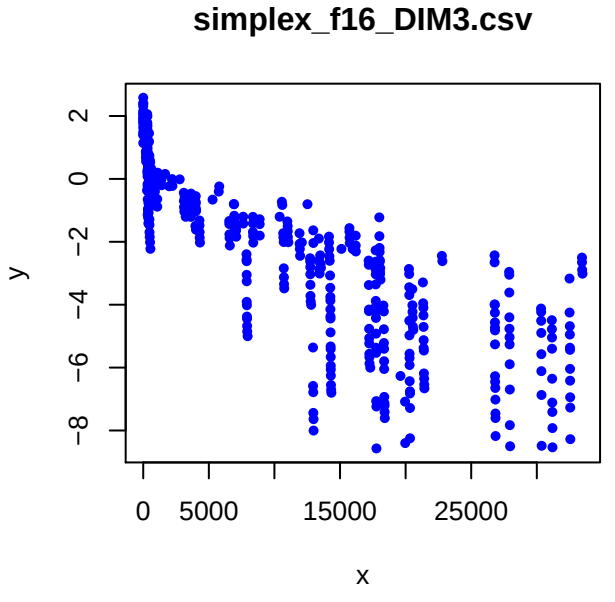
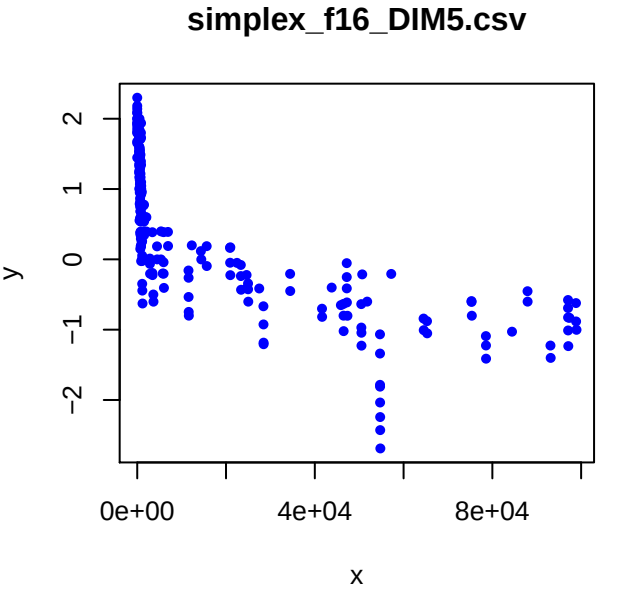
1.5
1.0
0.5
0
50000
100000
200000


simplex_f16_DIM2.csv
y
x
2
0
−2
−4
−6
−10
0
1000
2000
3000
4000


simplex_f16_DIM20.csv
y
x
2.0
1.6
1.2
0.8
0
100000
200000
300000


simplex_f16_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000


simplex_f16_DIM5.csv
y
x
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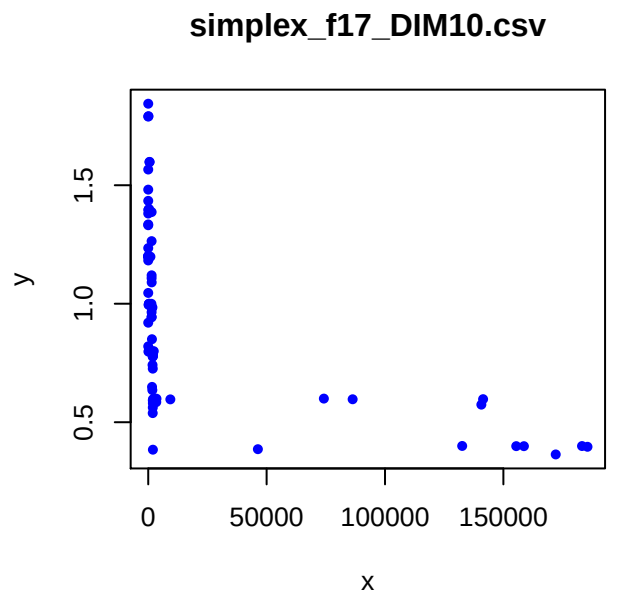
1
0
−1
−2
0e+00
4e+04
8e+04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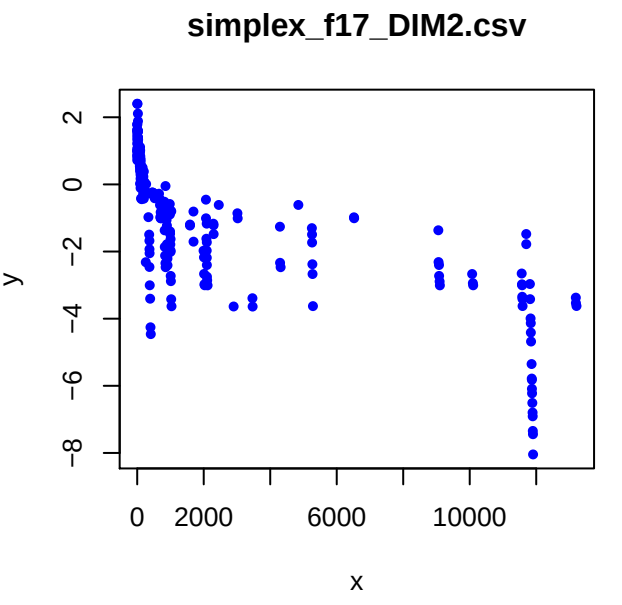
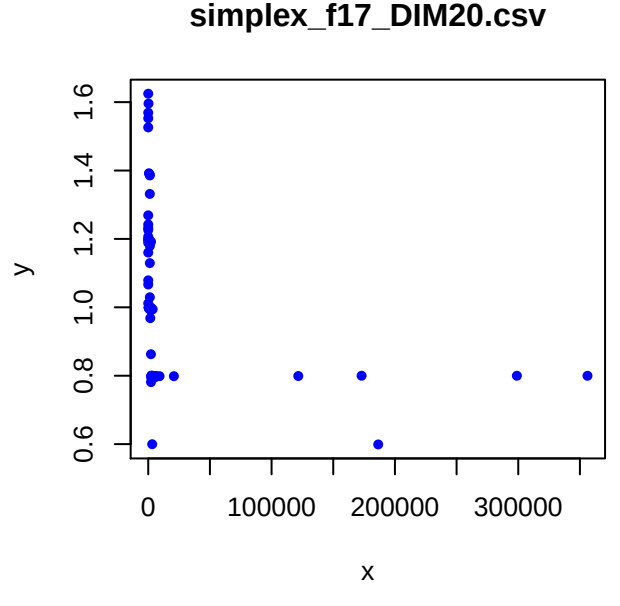
1.5
0
50000
100000
150000
x


simplex_f17_DIM2.csv
y
2
0
−2
−4
−6
−8
0
2000
6000
10000
x


simplex_f17_DIM20.csv
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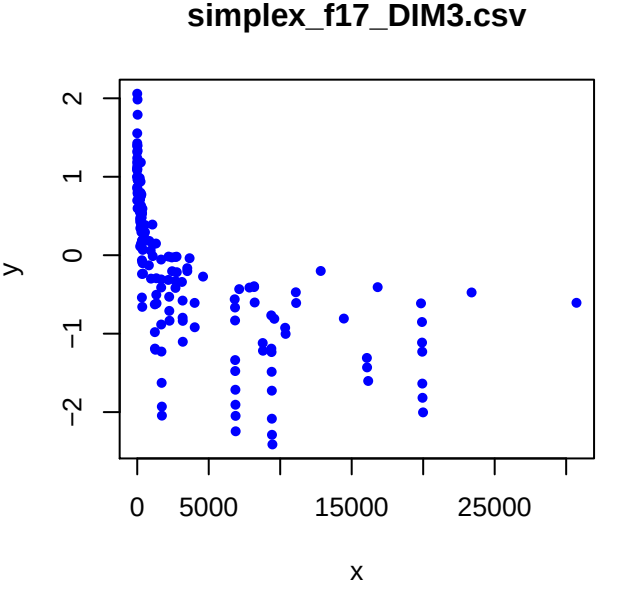
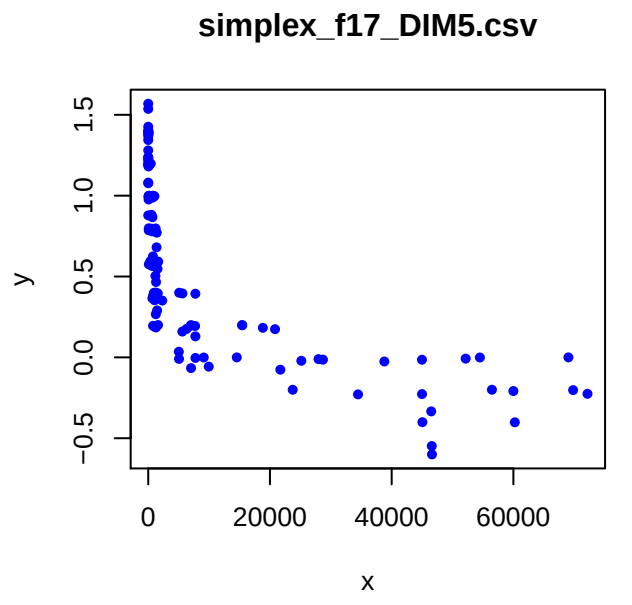
0.8
1.0
1.2
1.4
1.6
0
100000
200000
300000
x


simplex_f17_DIM3.csv
y
2
1
0
−1
−2
0
5000
15000
25000
x


simplex_f17_DIM5.csv
y
x
1.5
1.0
0.5
0.0
−0.5
0
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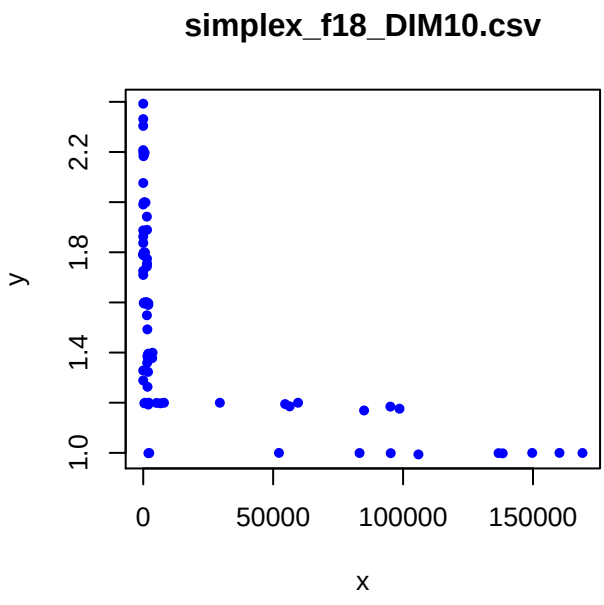
40000
60000


simplex_f18_DIM10.csv
y
x
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1.8
1.4
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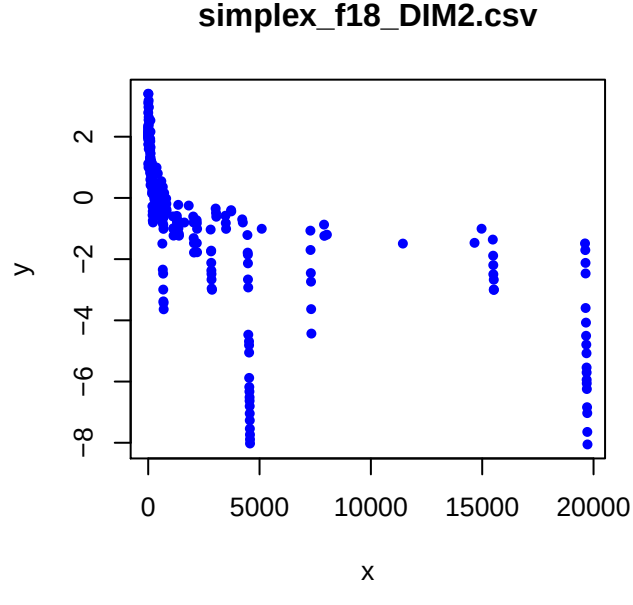
50000
100000
150000


simplex_f18_DIM2.csv
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x
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−4
−6
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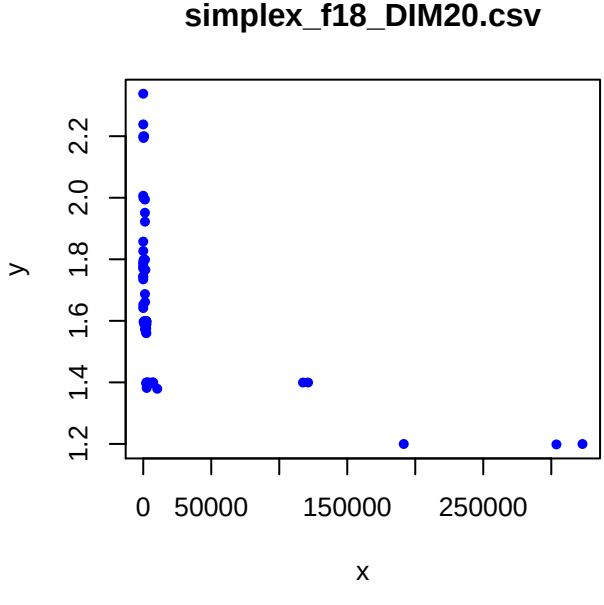
10000
15000
20000


simplex_f18_DIM20.csv
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x
2.2
2.0
1.8
1.6
1.4
1.2
0
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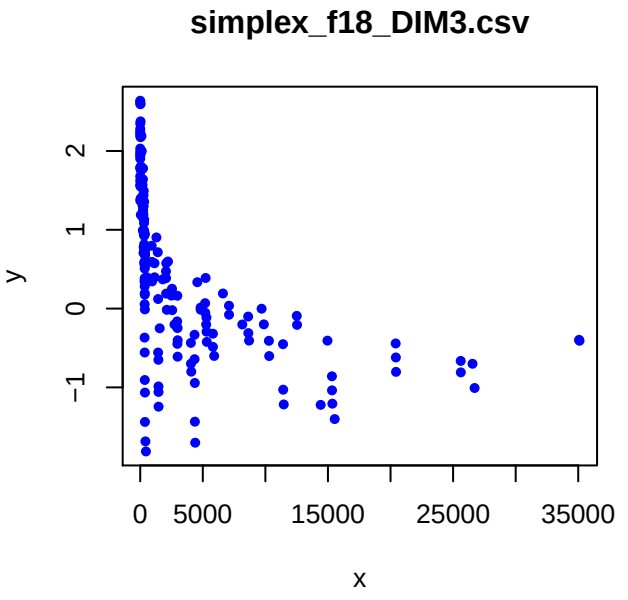
150000
250000


simplex_f18_DIM3.csv
y
x
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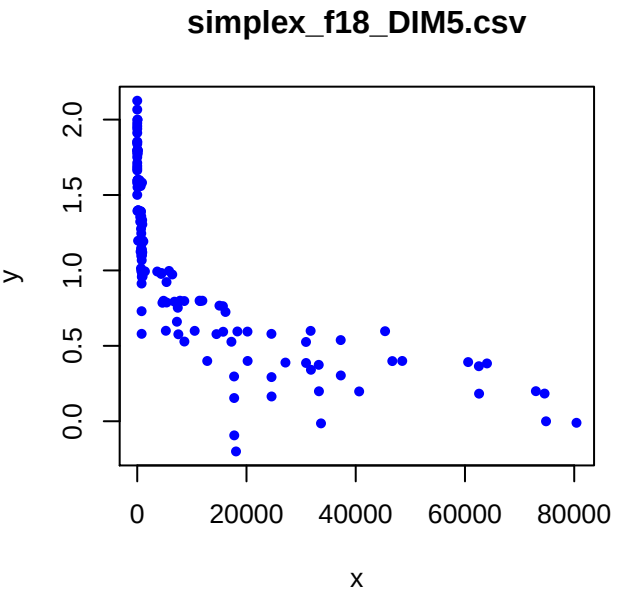
1
0
−1
0
5000
15000
25000
35000


simplex_f18_DIM5.csv
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x
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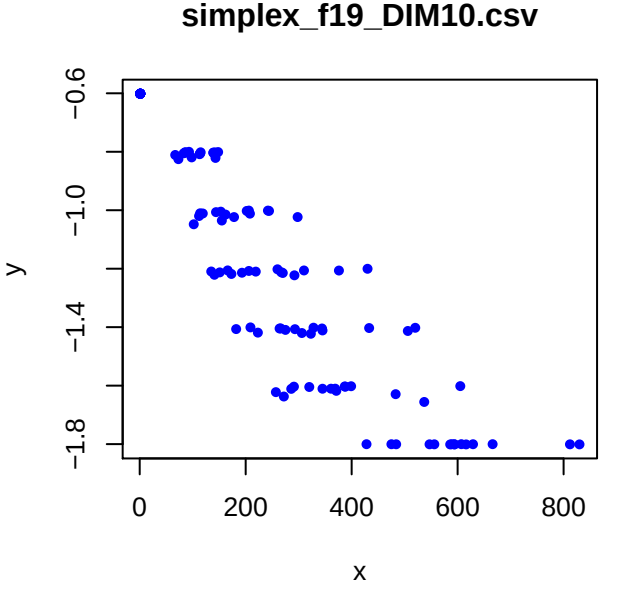
1.5
1.0
0.5
0.0
0
20000
40000
60000
80000


simplex_f19_DIM10.csv
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x
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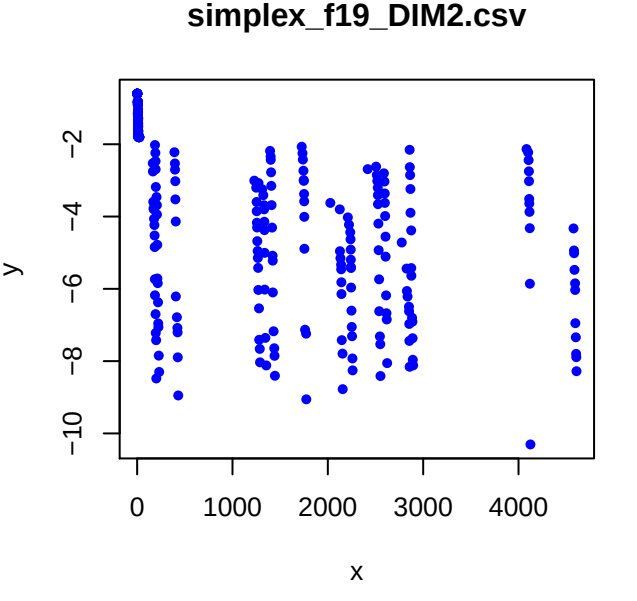
−1.4
−1.8
0
200
400
600
800


simplex_f19_DIM2.csv
y
x
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−4
−6
−8
−10
0
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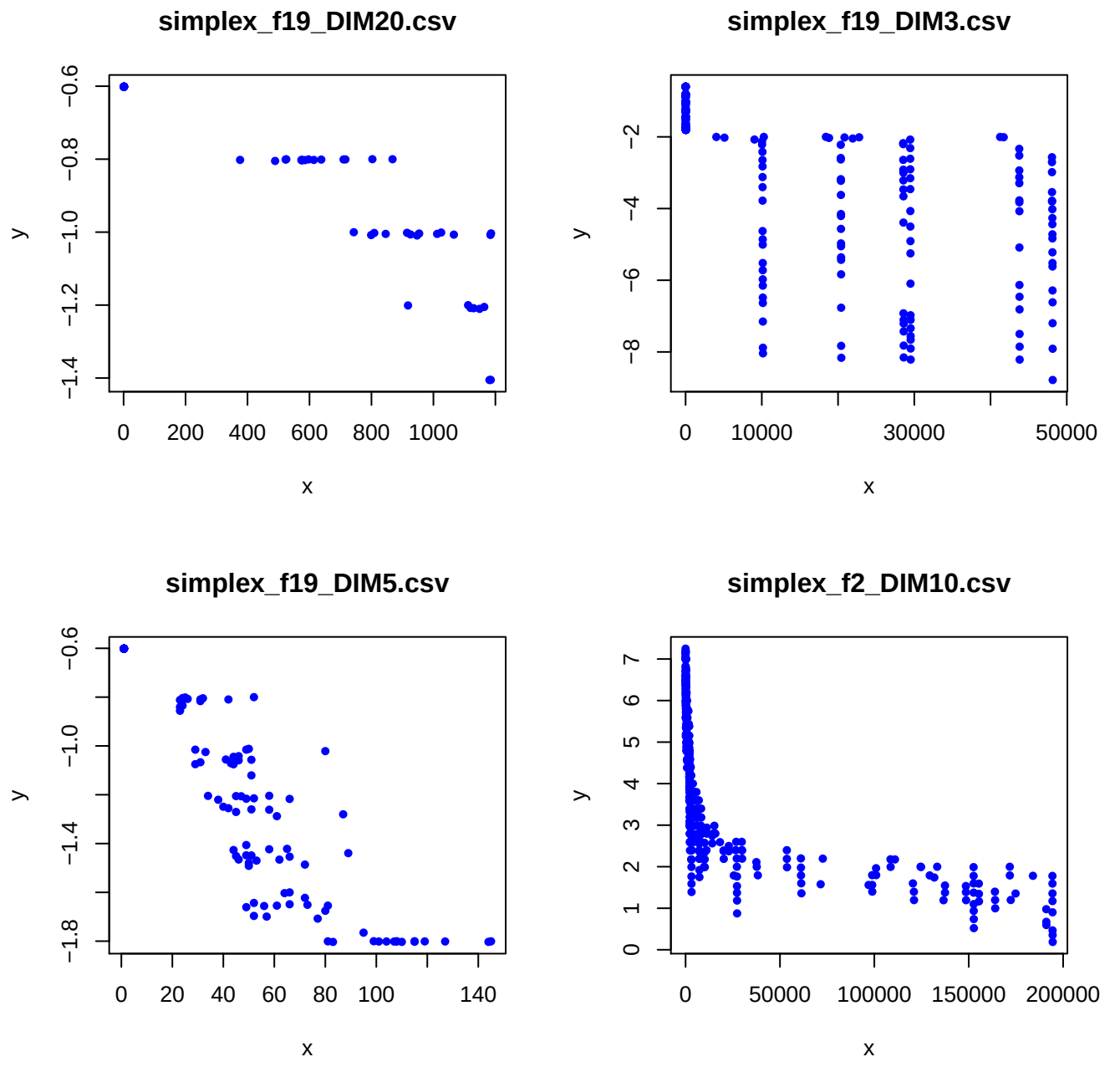
2000
3000
4000


simplex_f19_DIM20.csv
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−1.2
−1.4
0
200
400
600
800
1000
x
simplex_f19_DIM3.csv
y
−2
−4
−6
−8
0
10000
30000
50000
x
simplex_f19_DIM5.csv
y
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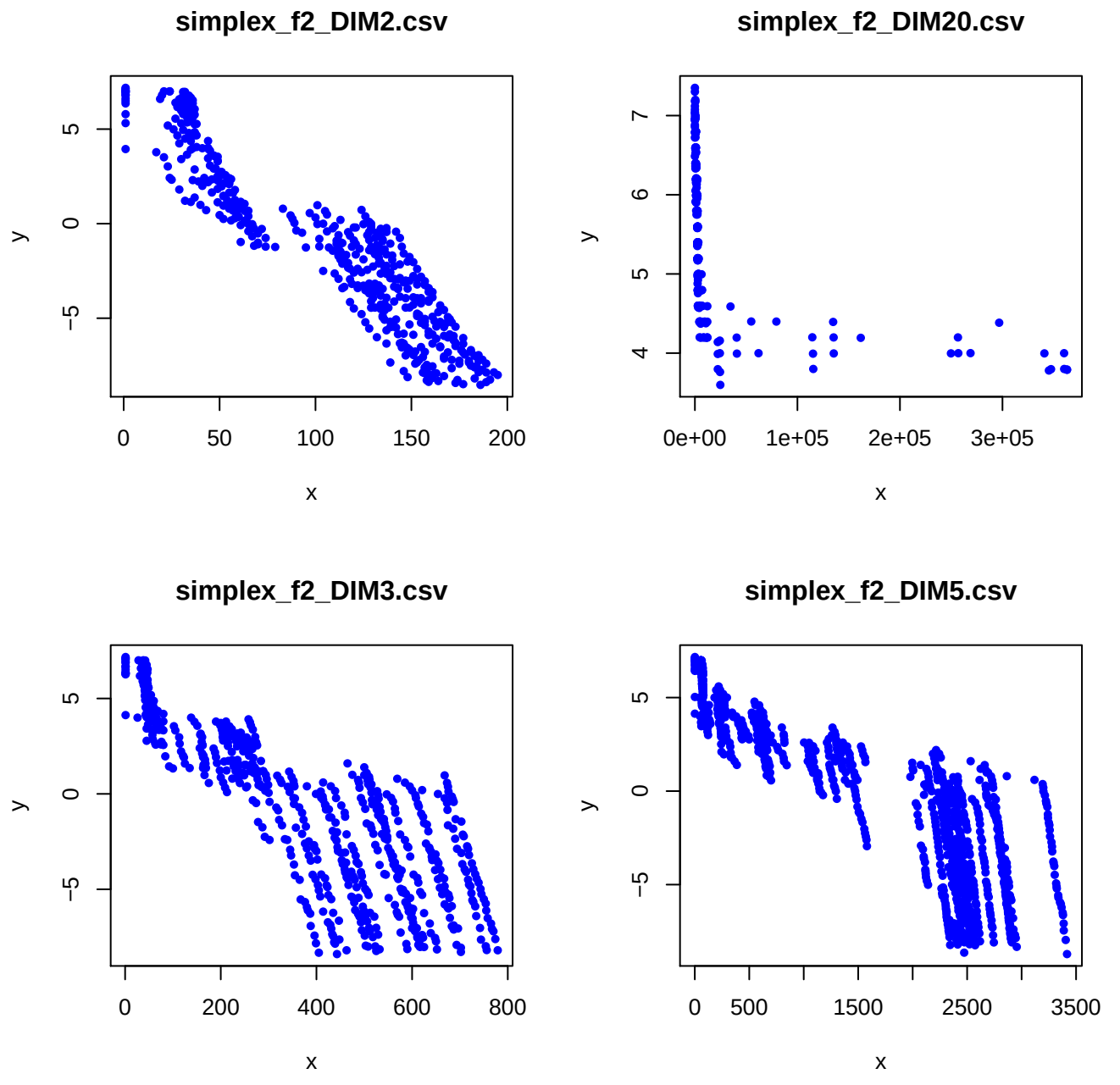
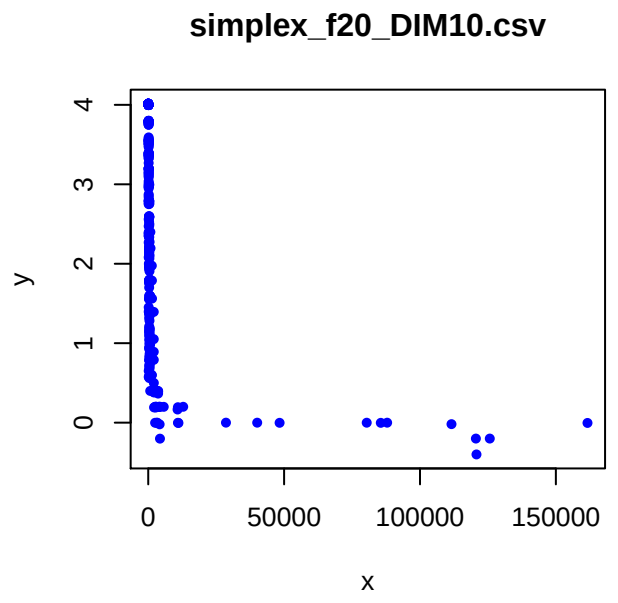
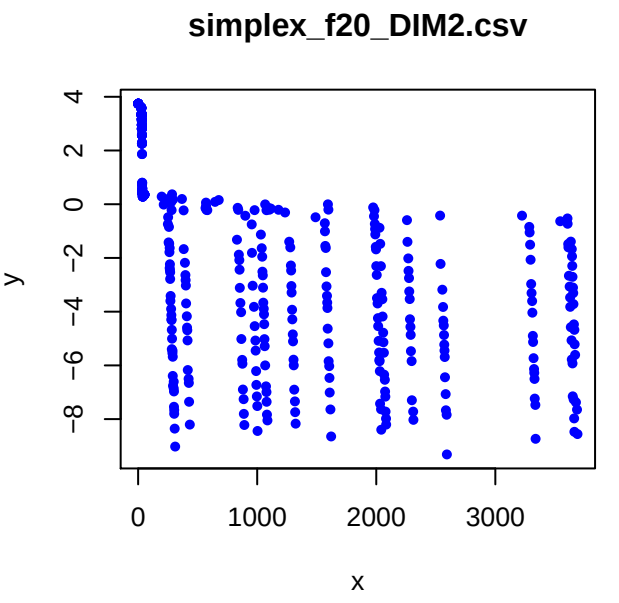
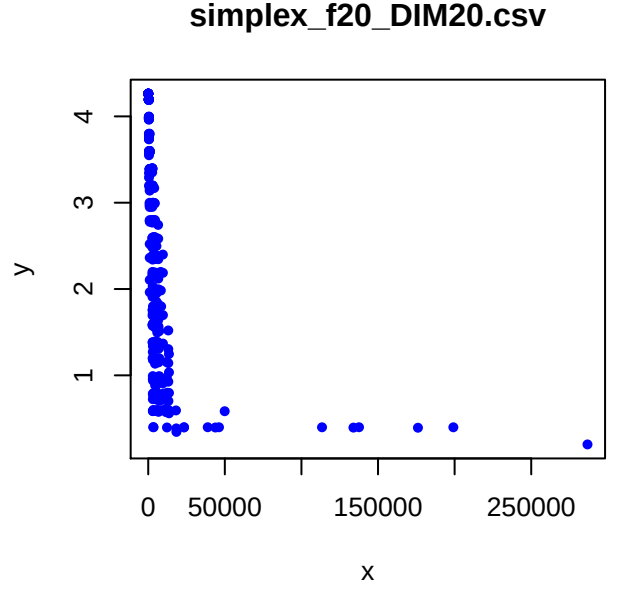
−1.0
−1.4
−1.8
0
20
40
60
80
100
140
x
simplex_f2_DIM10.csv
y
0
1
2
3
4
5
6
7
0
50000
100000
150000
200000
x


simplex_f2_DIM2.csv
y
x
5
0
−5
0
50
100
150
200
simplex_f2_DIM20.csv
y
x
7
6
5
4
0e+00
1e+05
2e+05
3e+05
simplex_f2_DIM3.csv
y
x
5
0
−5
0
200
400
600
800
simplex_f2_DIM5.csv
y
x
5
0
−5
0
500
1500
2500
3500


simplex_f20_DIM10.csv
y
x
0
1
2
3
4
0
50000
100000
150000


simplex_f20_DIM2.csv
y
x
4
2
0
−2
−4
−6
−8
0
1000
2000
3000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y
x
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2
3
4
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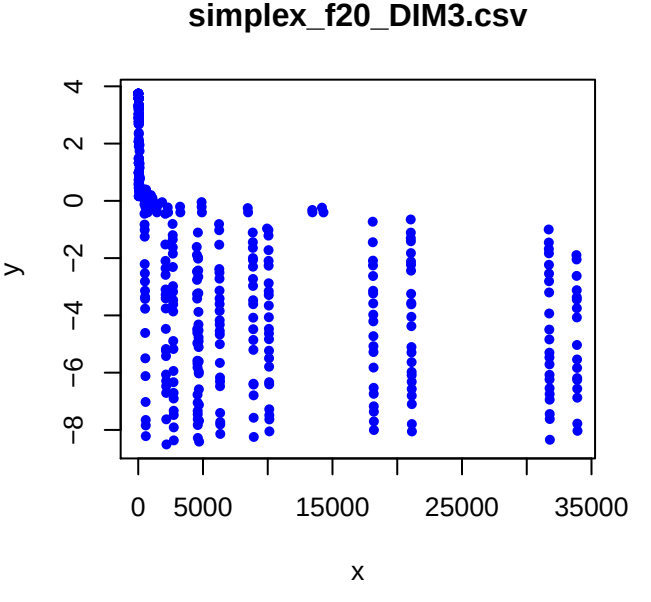
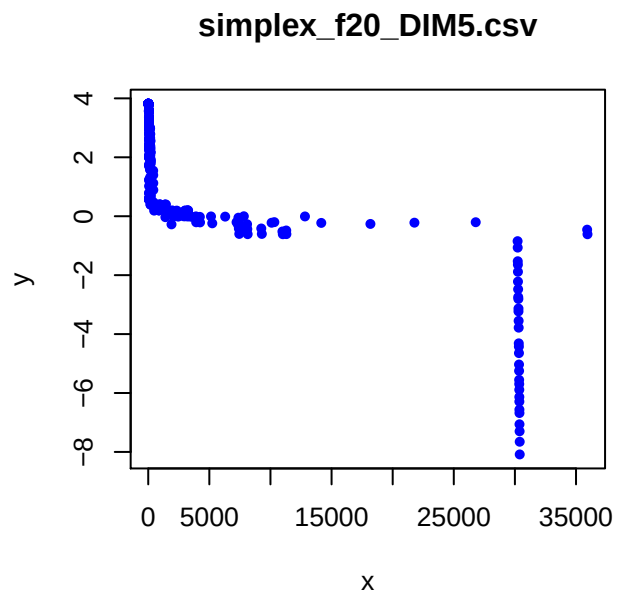
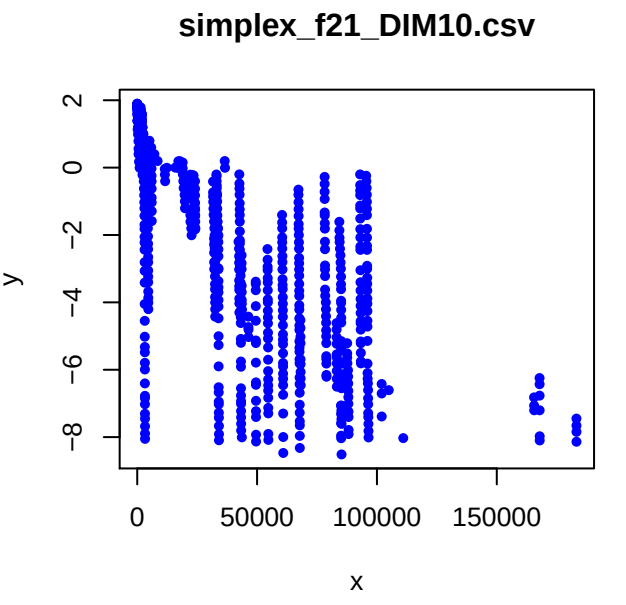
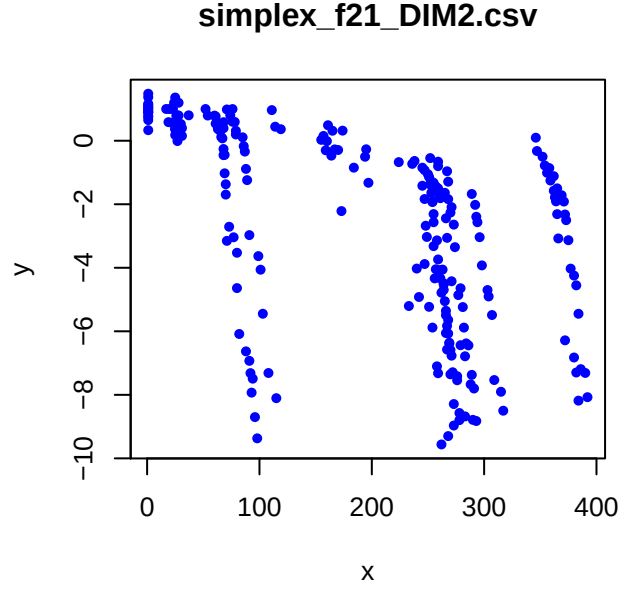
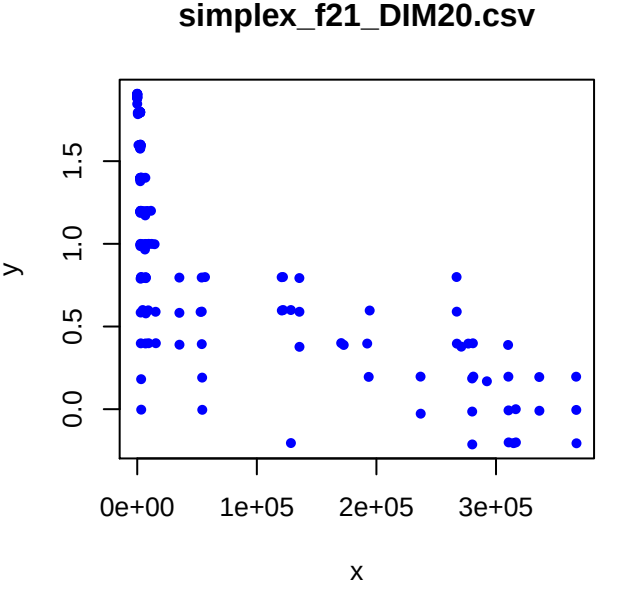
50000
150000
250000

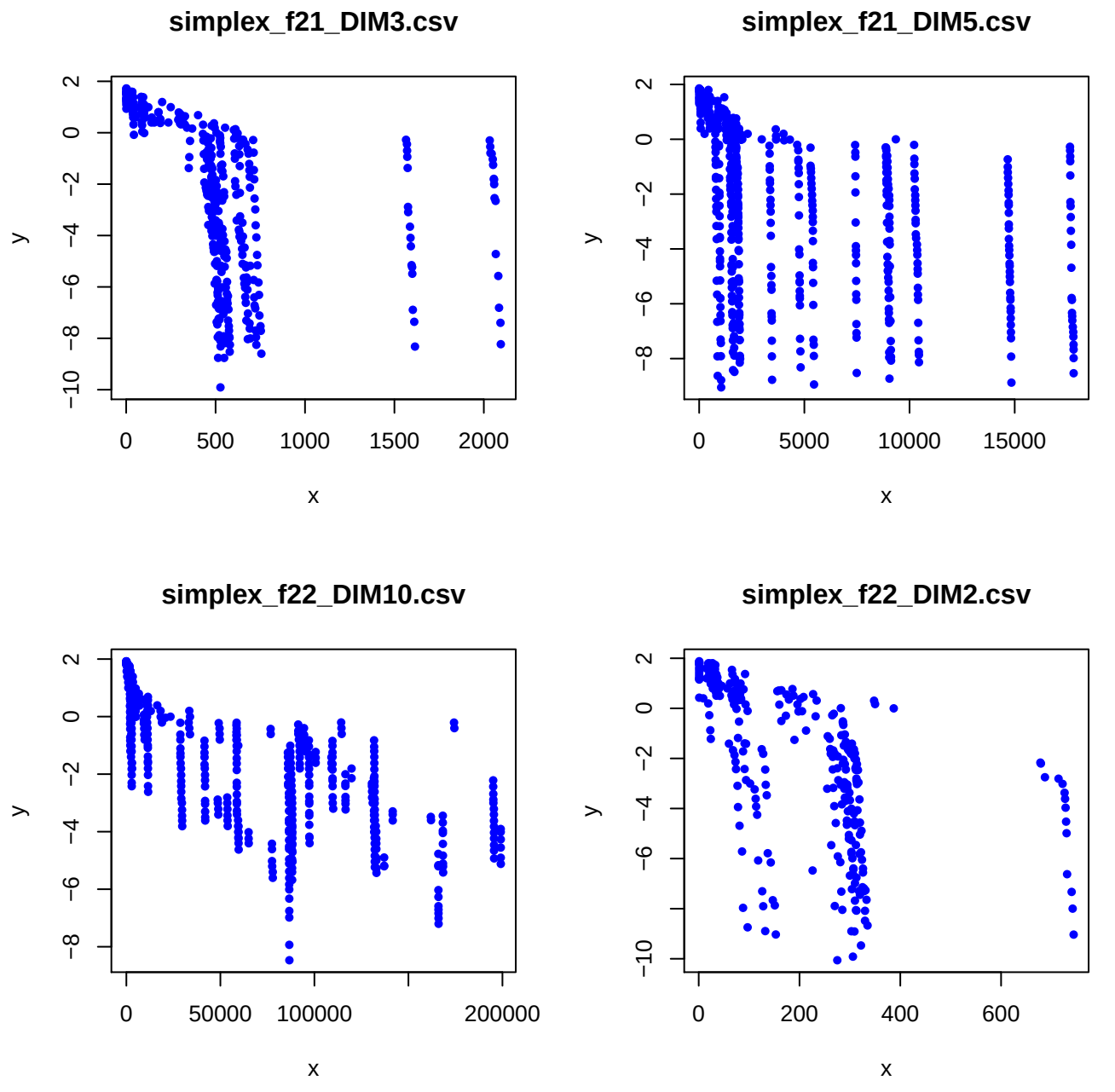

simplex_f20_DIM3.csv
y
x
4
2
0
−2
−4
−6
−8
0
5000
15000
25000
35000

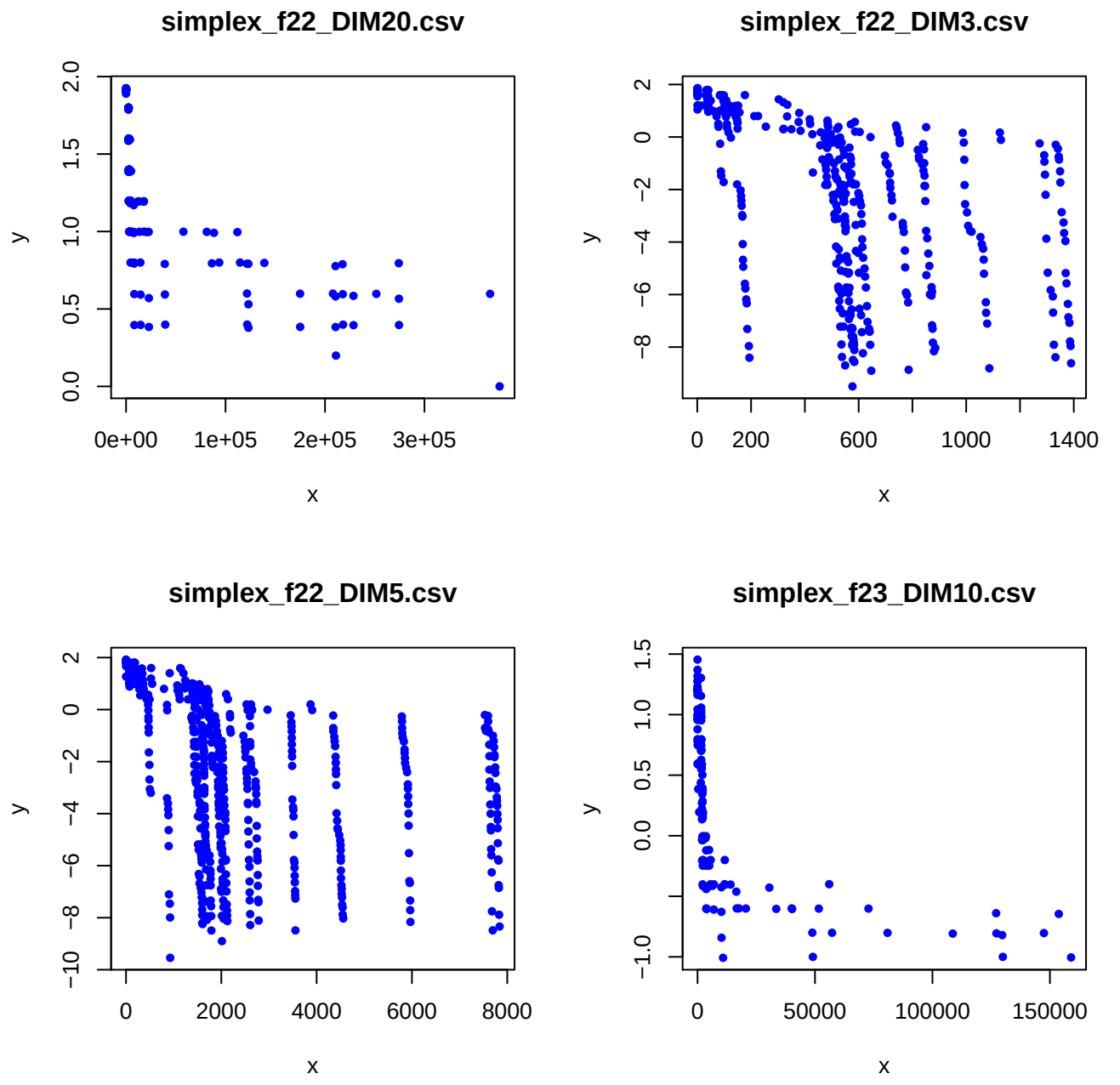

simplex_f20_DIM5.csv
y
x
4
2
0
−2
−4
−6
−8
0
5000
15000
25000
35000

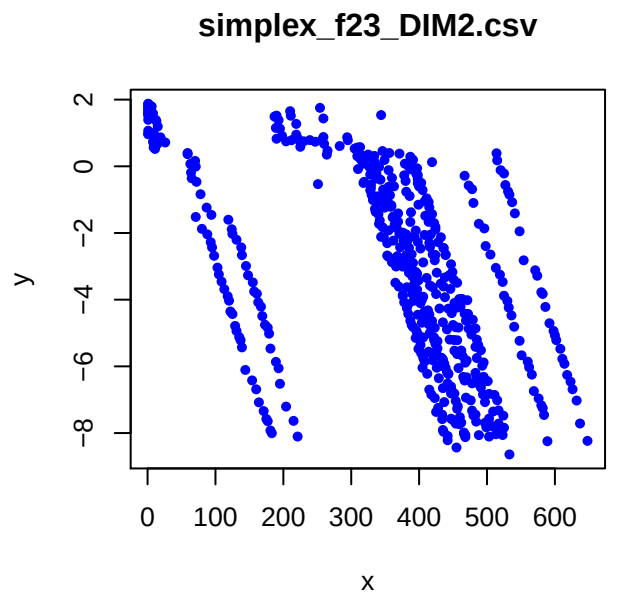

simplex_f21_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
50000
100000
150000

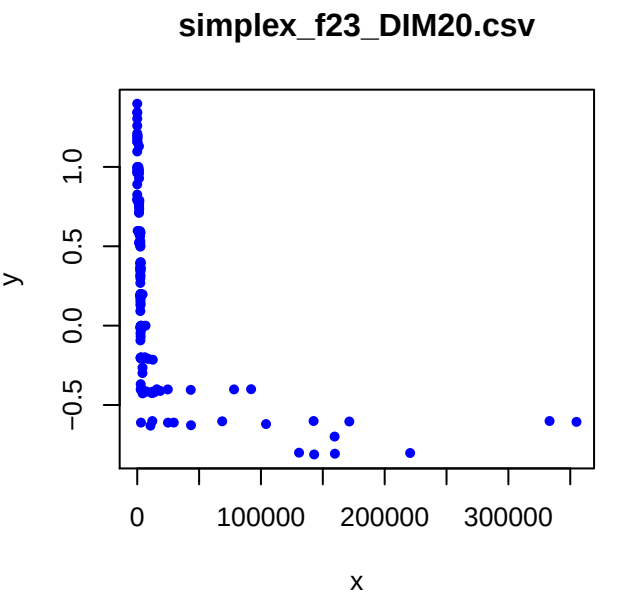

simplex_f21_DIM2.csv
y
x
0
−2
−4
−6
−8
−10
0
100
200
300
400

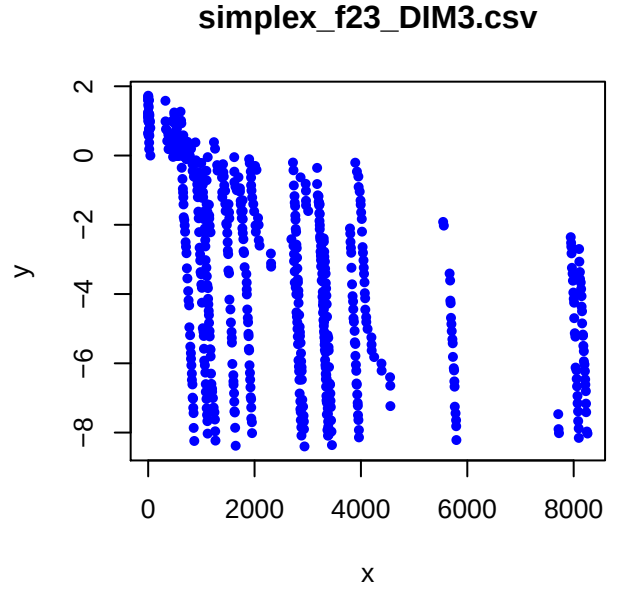

simplex_f21_DIM20.csv
y
x
1.5
1.0
0.5
0.0
0e+00
1e+05
2e+05
3e+05

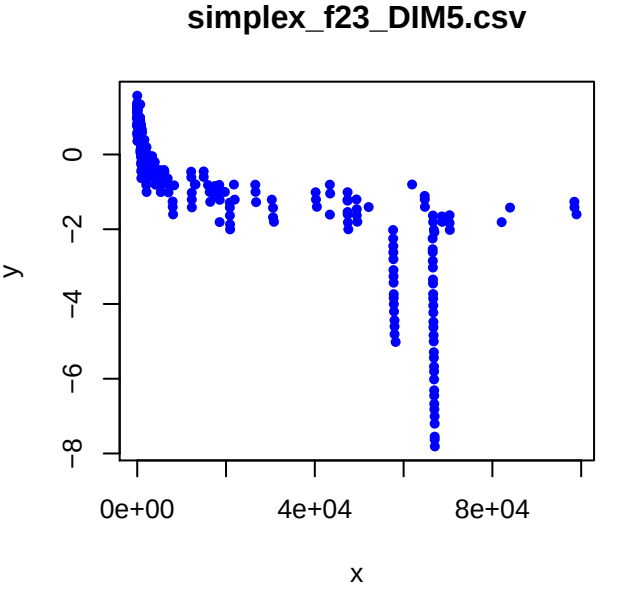

simplex_f21_DIM3.csv
y
x
2
0
−2
−4
−6
−8
−10
0
500
1000
1500
2000
simplex_f21_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
5000
10000
15000
simplex_f22_DIM10.csv
y
x
2
0
−2
−4
−6
−8
0
50000
100000
200000
simplex_f22_DIM2.csv
y
x
2
0
−2
−4
−6
−10
0
200
400
600

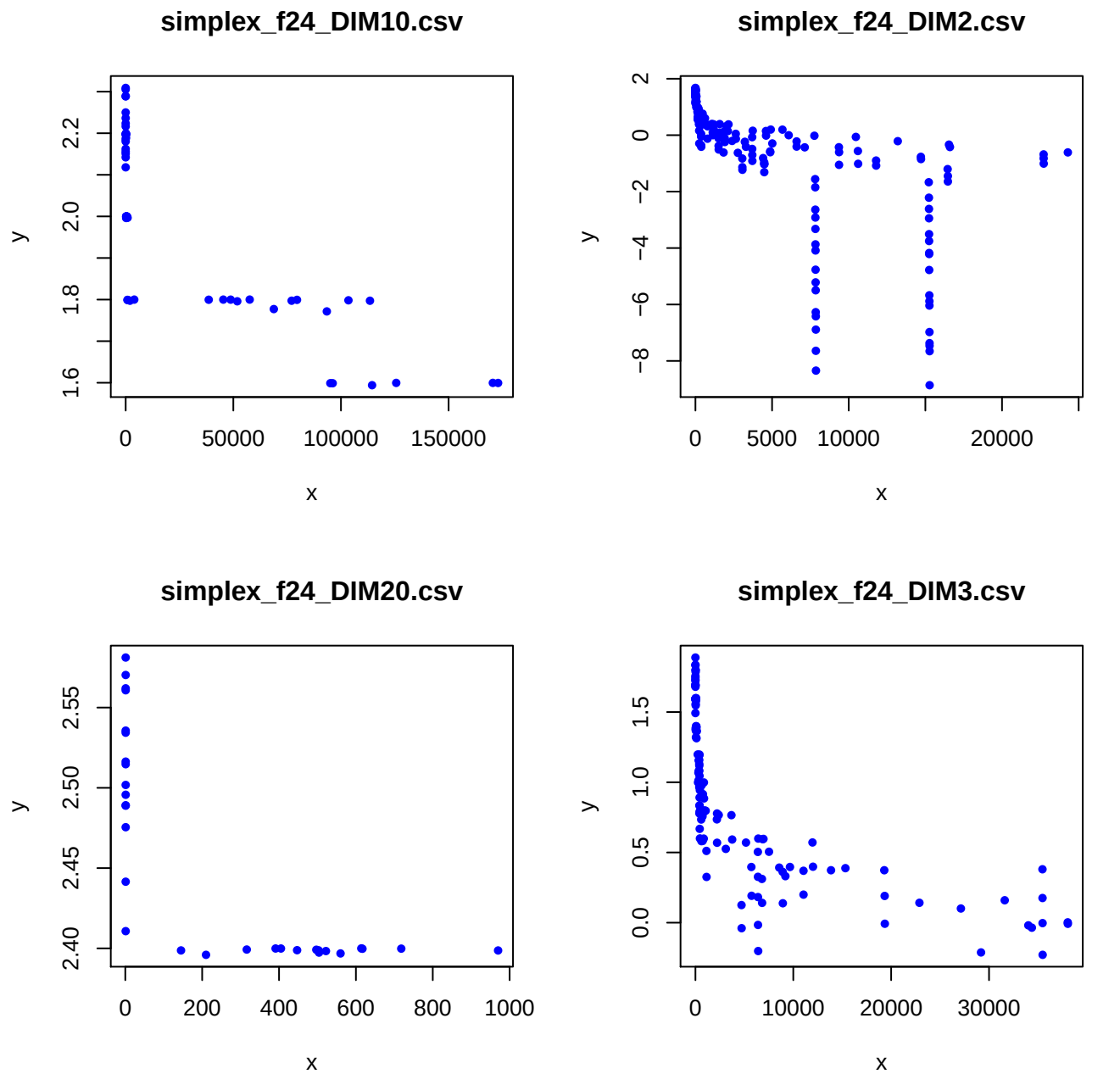

simplex_f22_DIM20.csv
y
x
0.0
0.5
1.0
1.5
2.0
0e+00
1e+05
2e+05
3e+05
simplex_f22_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
200
600
1000
1400
simplex_f22_DIM5.csv
y
x
2
0
−2
−4
−6
−8
−10
0
2000
4000
6000
8000
simplex_f23_DIM10.csv
y
x
1.5
1.0
0.5
0.0
−1.0
0
50000
100000
150000

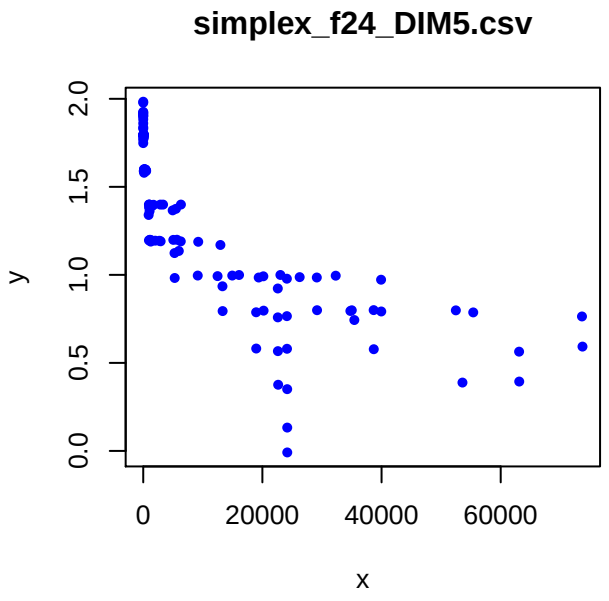

simplex_f23_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
100
200
300
400
500
600


simplex_f23_DIM20.csv
y
x
1.0
0.5
0.0
−0.5
0
100000
200000
300000


simplex_f23_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
2000
4000
6000
8000


simplex_f23_DIM5.csv
y
x
0
−2
−4
−6
−8
0e+00
4e+04
8e+04


simplex_f24_DIM10.csv
y
1.6
1.8
2.0
2.2
0
50000
100000
150000
x
simplex_f24_DIM2.csv
y
2
0
−2
−4
−6
−8
0
5000
10000
20000
x
simplex_f24_DIM20.csv
y
2.40
2.45
2.50
2.55
0
200
400
600
800
1000
x
simplex_f24_DIM3.csv
y
0.0
0.5
1.0
1.5
0
10000
20000
30000
x


simplex_f24_DIM5.csv
y
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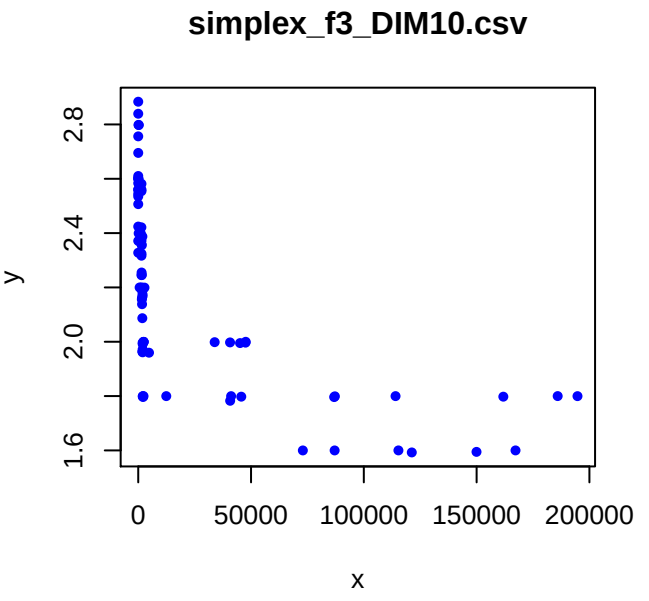
0.5
1.0
1.5
2.0
0
20000
40000
60000
x


simplex_f3_DIM10.csv
y
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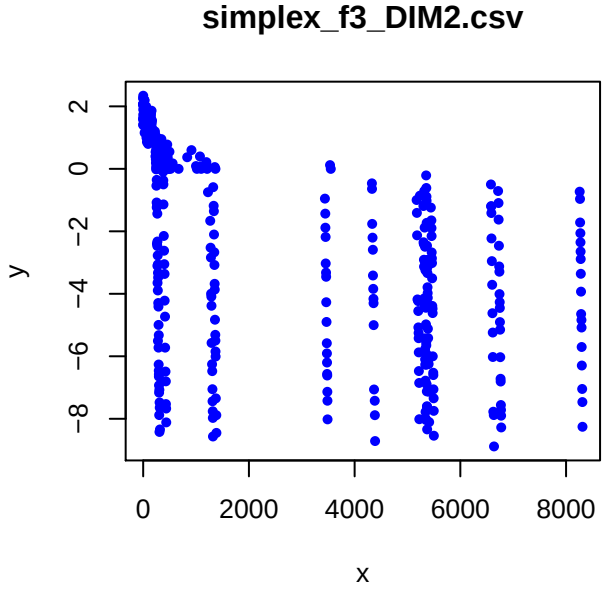
2.0
2.4
2.8
0
50000
100000
150000
200000
x


simplex_f3_DIM2.csv
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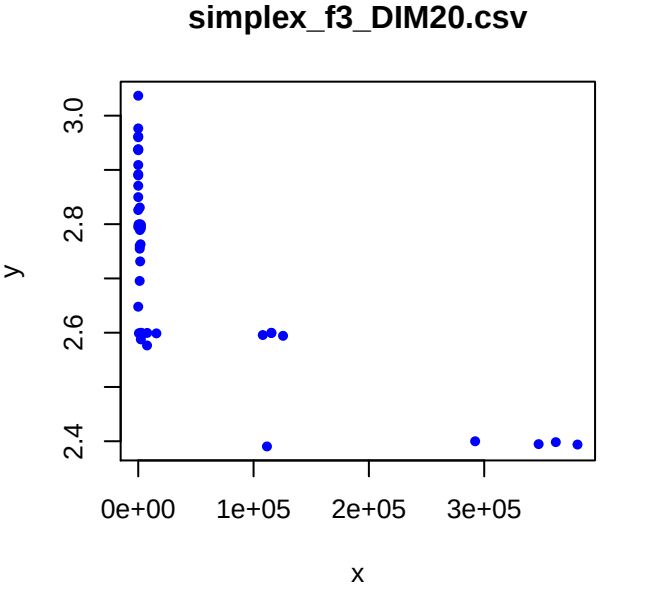
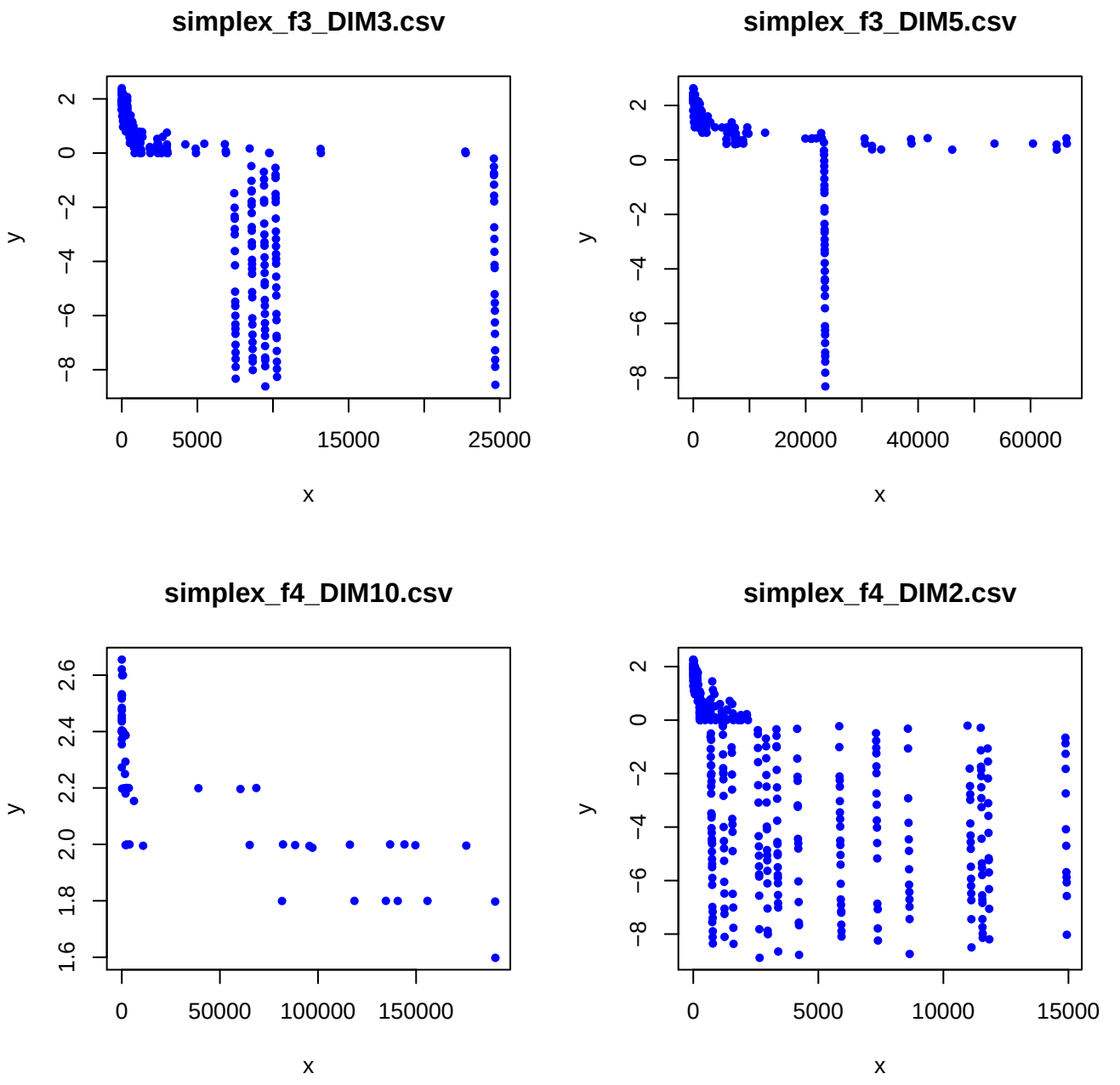
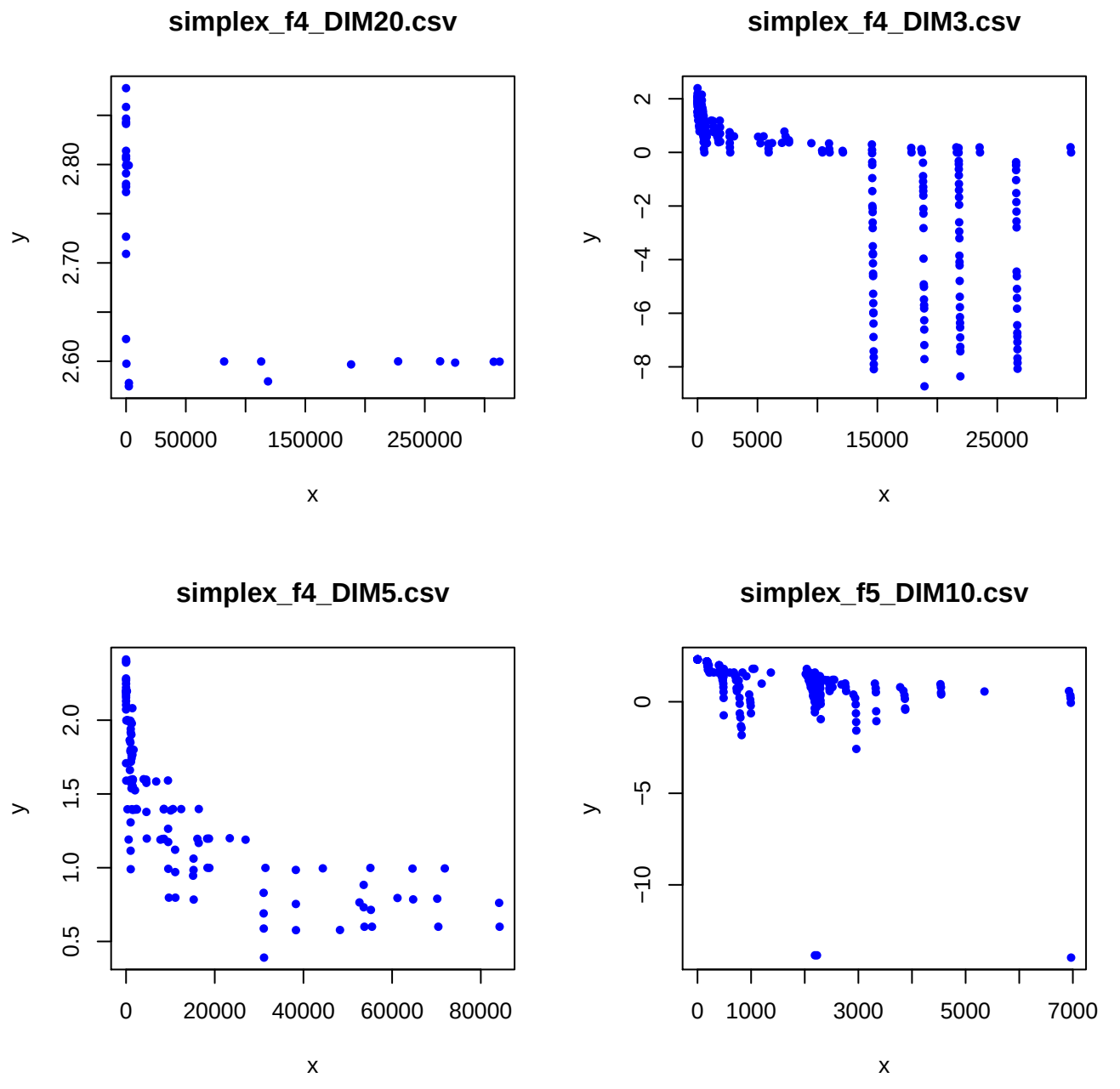
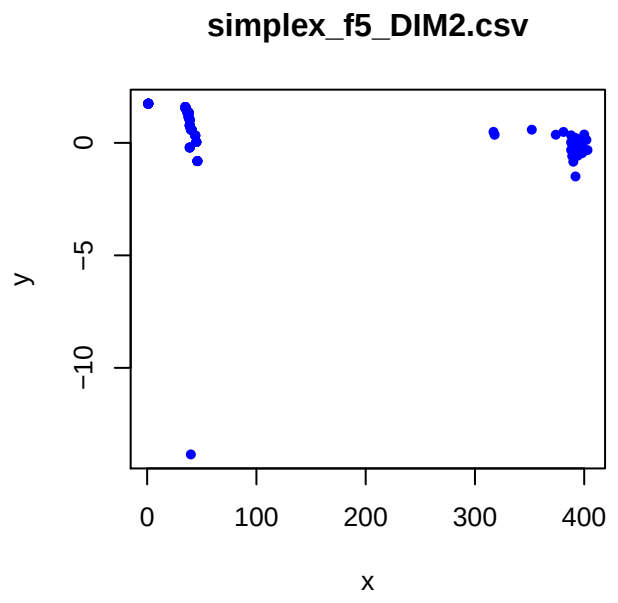
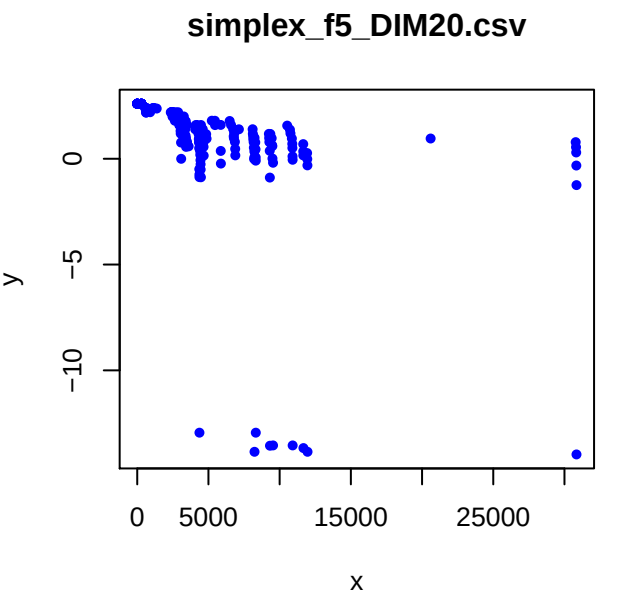
−6
−4
−2
0
2
0
2000
4000
6000
8000
x


simplex_f3_DIM20.csv
y
2.4
2.6
2.8
3.0
0e+00
1e+05
2e+05
3e+05
x


simplex_f3_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000
simplex_f3_DIM5.csv
y
x
2
0
−2
−4
−6
−8
0
20000
40000
60000
simplex_f4_DIM10.csv
y
x
2.6
2.4
2.2
2.0
1.8
1.6
0
50000
100000
150000
simplex_f4_DIM2.csv
y
x
2
0
−2
−4
−6
−8
0
5000
10000
15000


simplex_f4_DIM20.csv
y
2.60
2.70
2.80
0
50000
150000
250000
x
simplex_f4_DIM3.csv
y
2
0
−2
−4
−6
−8
0
5000
15000
25000
x
simplex_f4_DIM5.csv
y
0.5
1.0
1.5
2.0
0
20000
40000
60000
80000
x
simplex_f5_DIM10.csv
y
0
−5
−10
0
1000
3000
5000
7000
x


simplex_f5_DIM2.csv
y
0
−5
−10
0
100
200
300
400
x


simplex_f5_DIM20.csv
y
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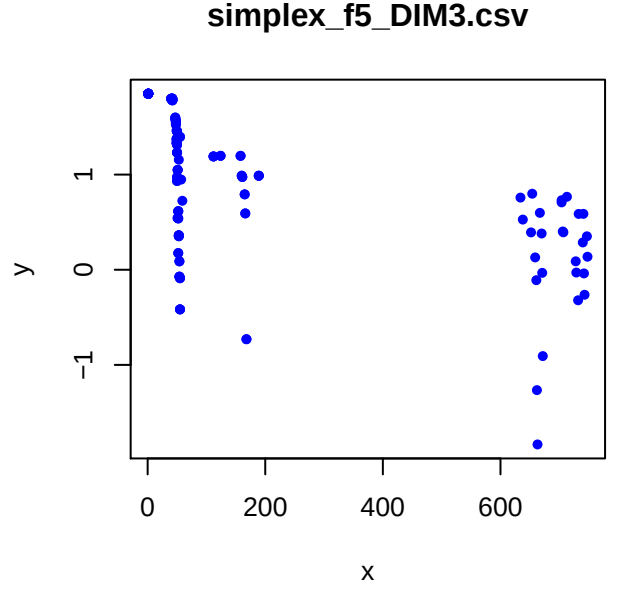
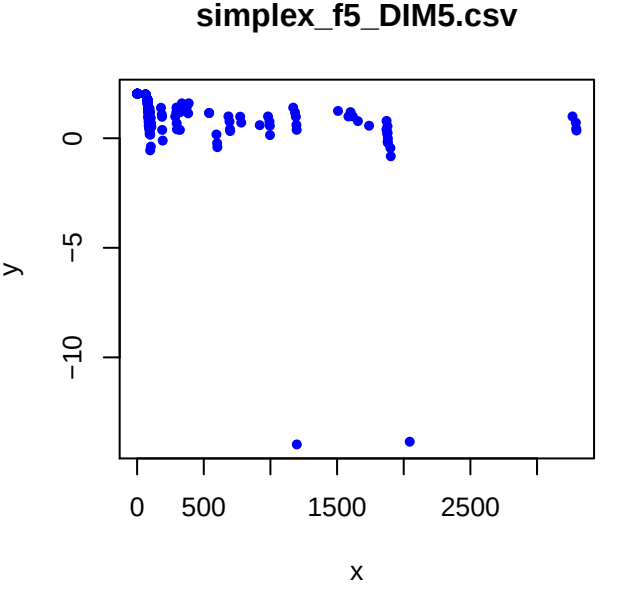
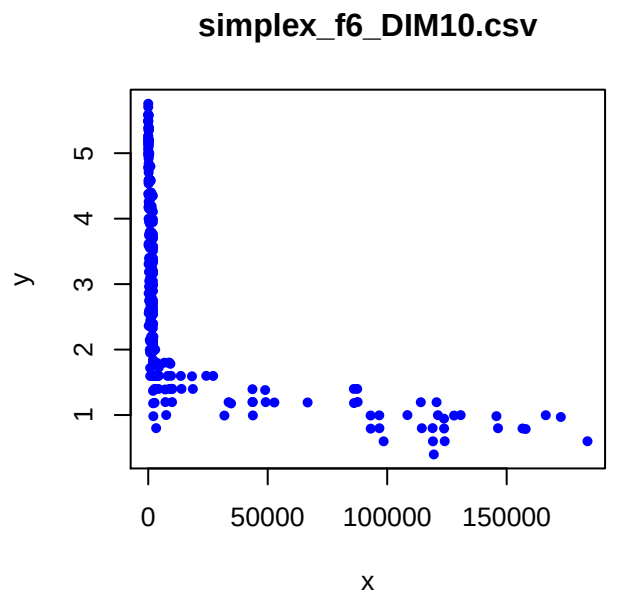
−5
−10
0
5000
15000
25000
x


simplex_f5_DIM3.csv
y
1
0
−1
0
200
400
600
x


simplex_f5_DIM5.csv
y
0
−5
−10
0
500
1500
2500
x


simplex_f6_DIM10.csv
y
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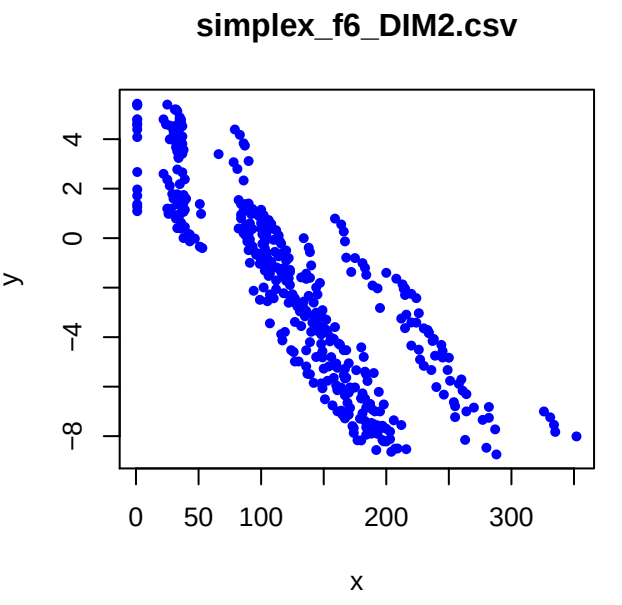
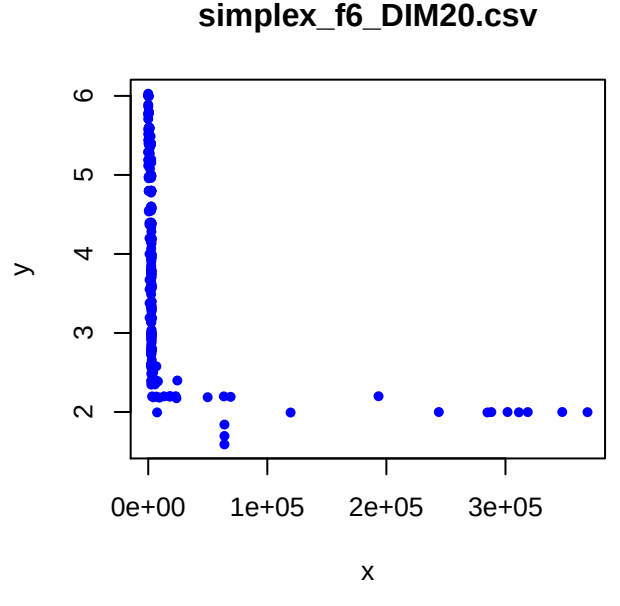
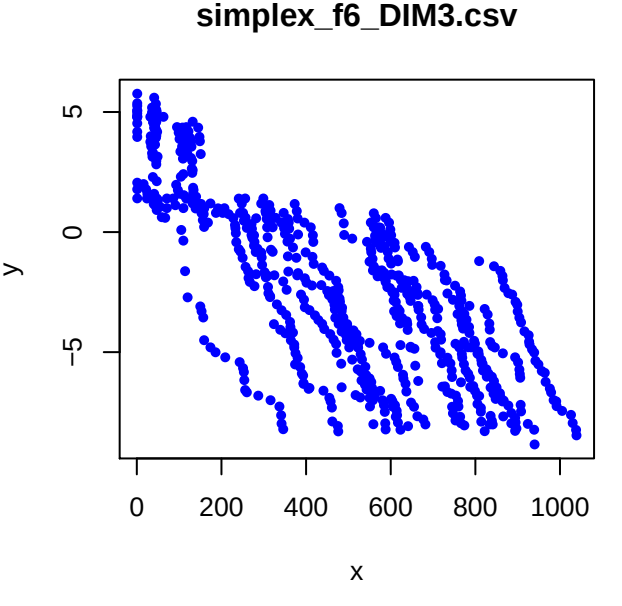
2
3
4
5
0
50000
100000
150000
x


simplex_f6_DIM2.csv
y
−8
−4
0
2
4
0
50
100
200
300
x


simplex_f6_DIM20.csv
y
2
3
4
5
6
0e+00
1e+05
2e+05
3e+05
x


simplex_f6_DIM3.csv
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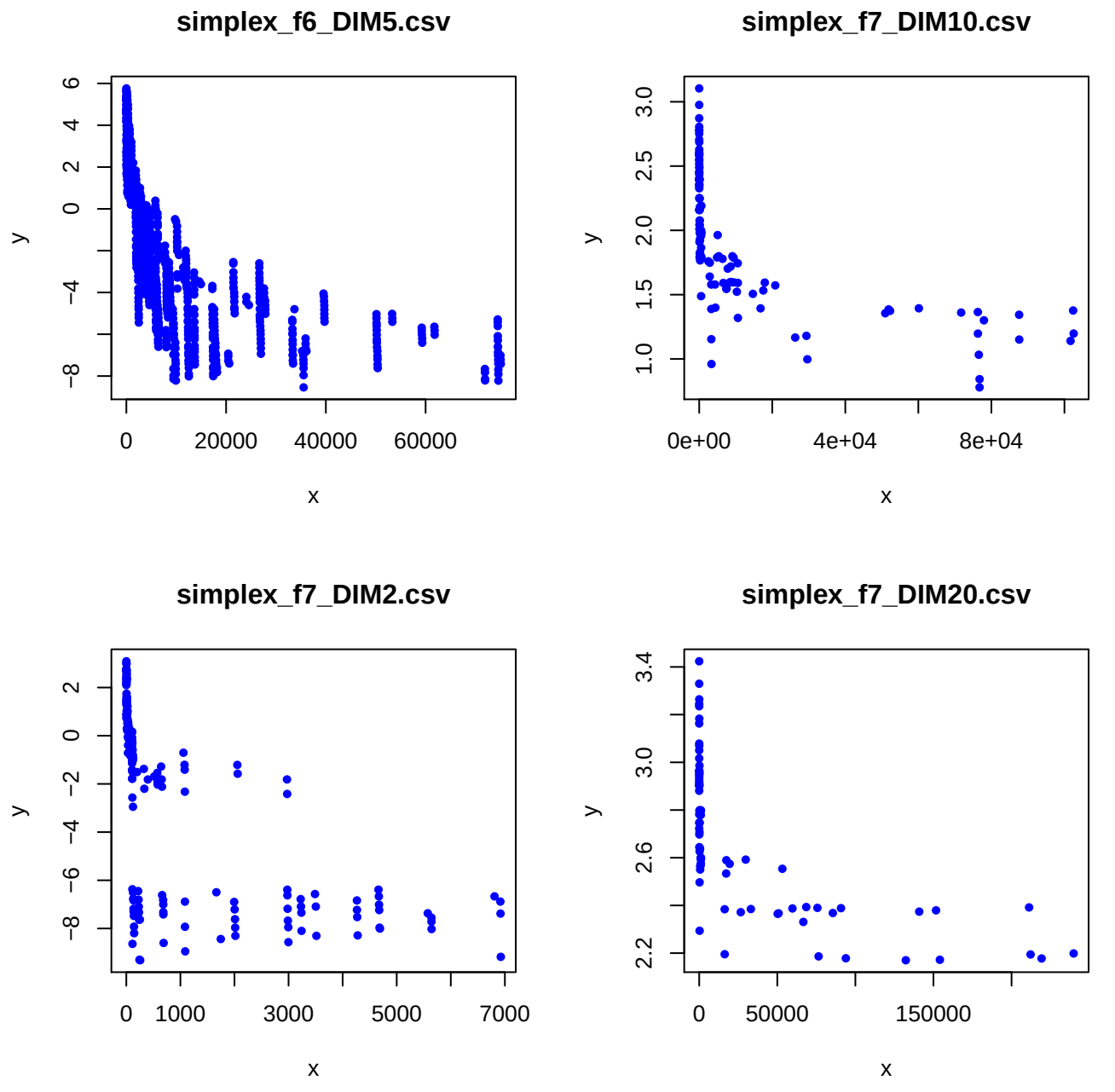
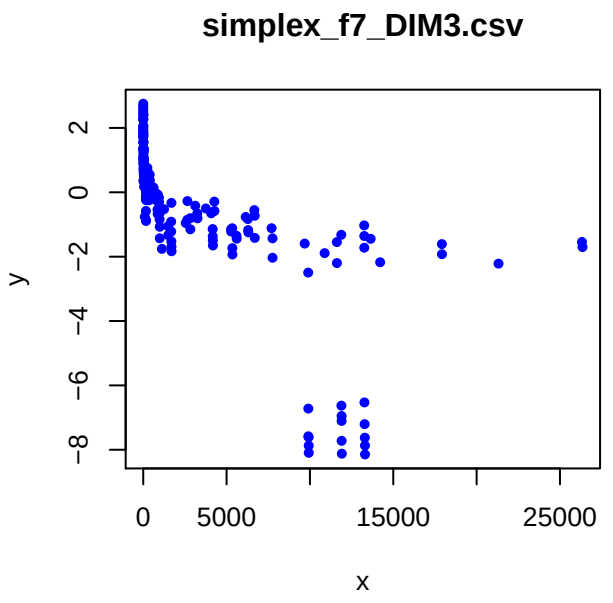
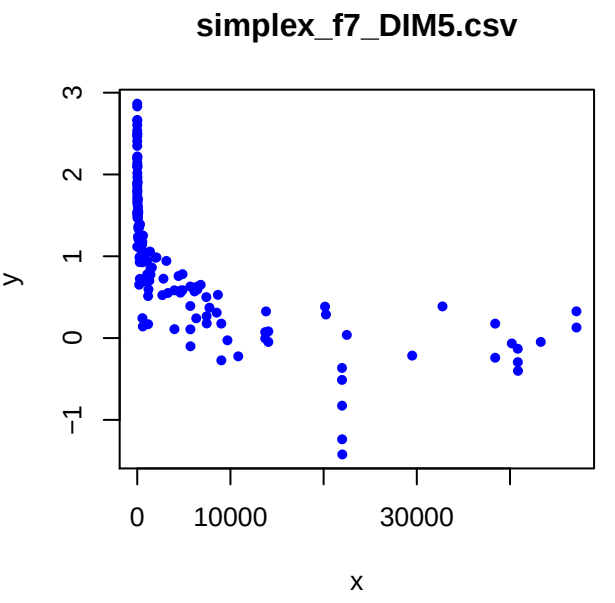
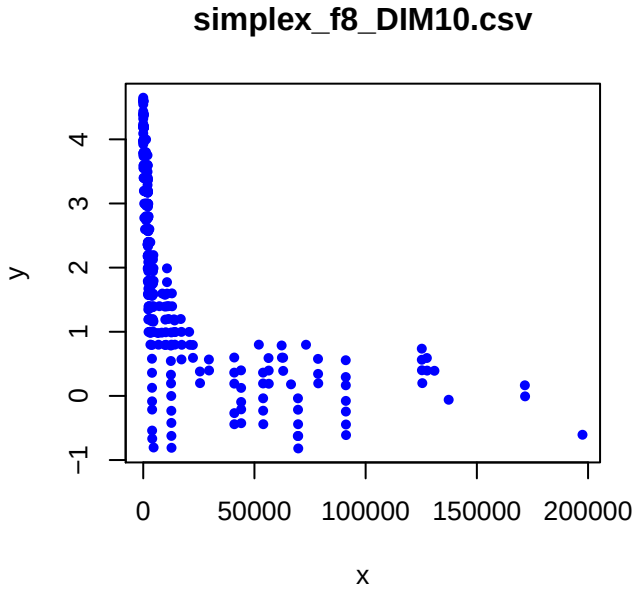
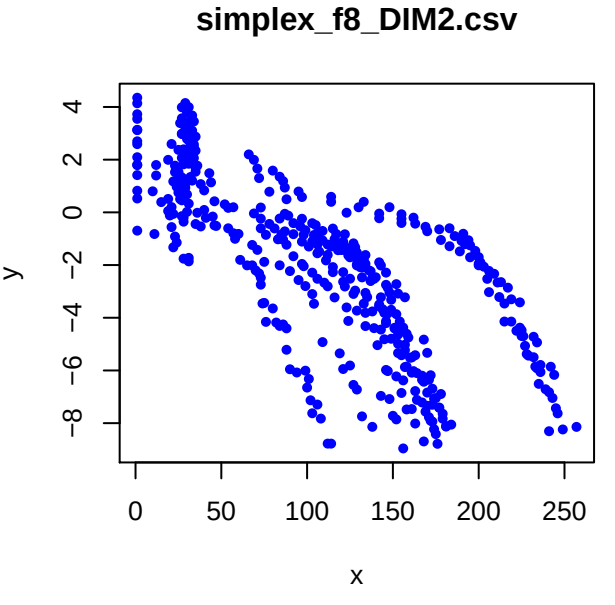
0
5
0
200
400
600
800
1000
x

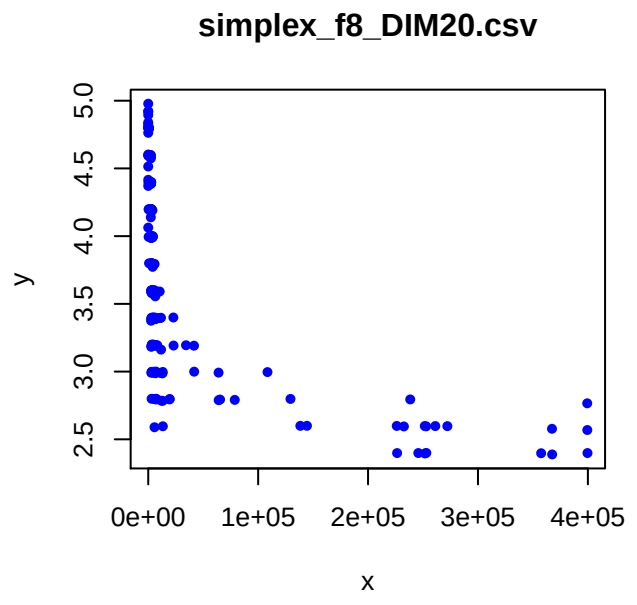

simplex_f6_DIM5.csv
y
6
4
2
0
−4
−8
0
20000
40000
60000
x
simplex_f7_DIM10.csv
y
3.0
2.5
2.0
1.5
1.0
0e+00
4e+04
8e+04
x
simplex_f7_DIM2.csv
y
2
0
−2
−4
−6
−8
0
1000
3000
5000
7000
x
simplex_f7_DIM20.csv
y
3.4
3.0
2.6
2.2
0
50000
150000
x

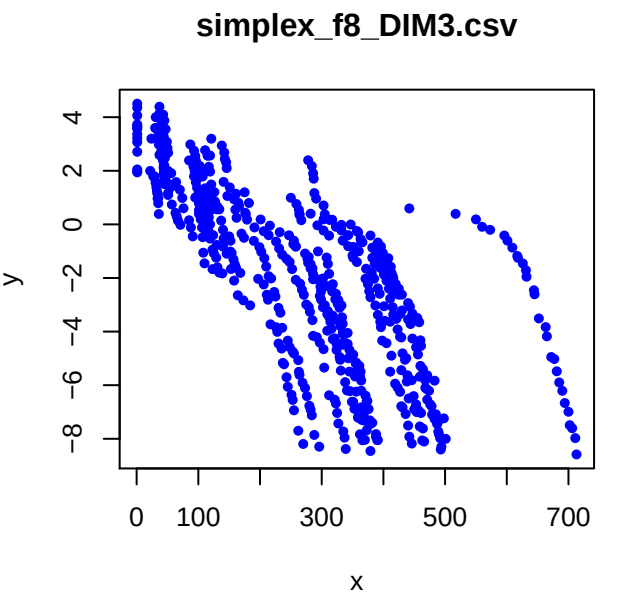

simplex_f7_DIM3.csv
y
x
2
0
−2
−4
−6
−8
0
5000
15000
25000

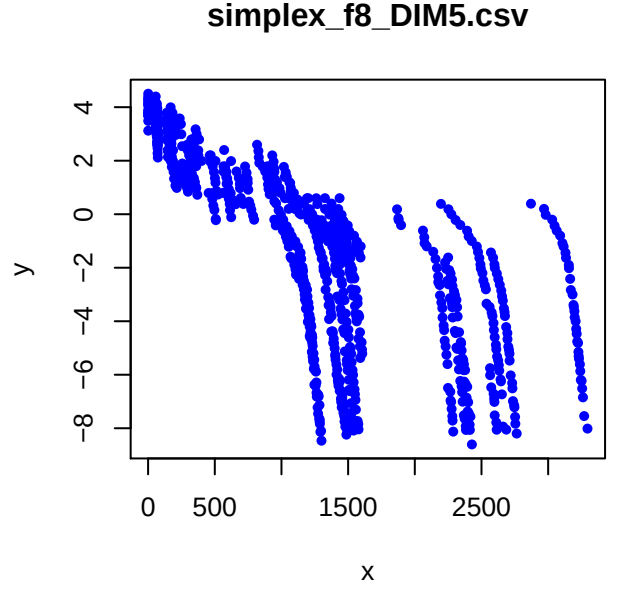

simplex_f7_DIM5.csv
y
x
3
2
1
0
−1
0
10000
30000

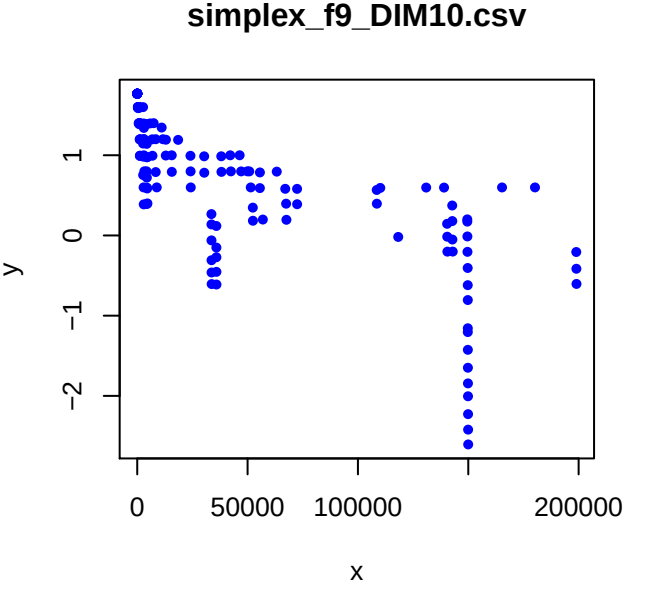

simplex_f8_DIM10.csv
y
x
4
3
2
1
0
−1
0
50000
100000
150000
200000

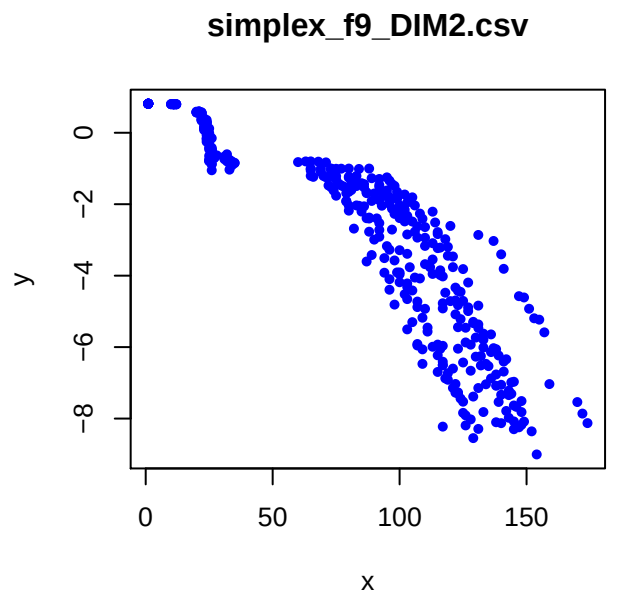

simplex_f8_DIM2.csv
y
x
4
2
0
−2
−4
−6
−8
0
50
100
150
200
250

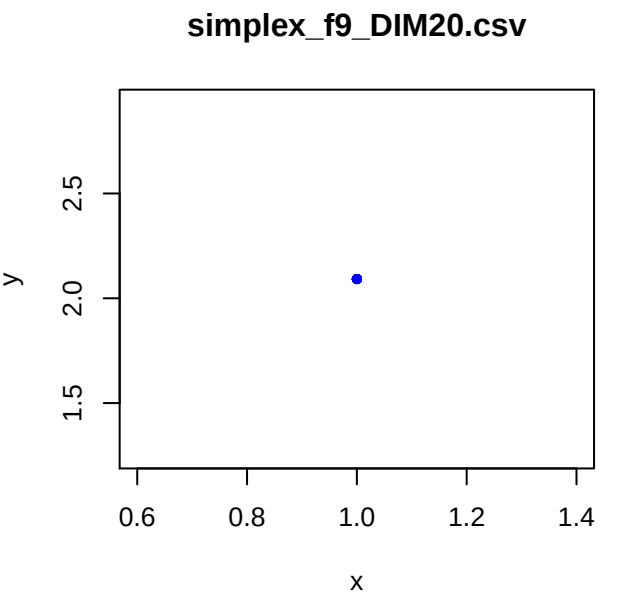

simplex_f8_DIM20.csv
y
5.0
4.5
4.0
3.5
3.0
2.5
0e+00
1e+05
2e+05
3e+05
4e+05
x

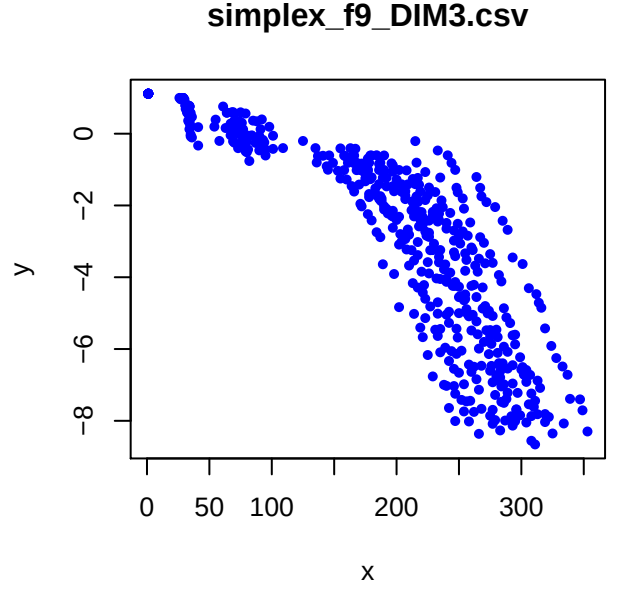

simplex_f8_DIM3.csv
y
4
2
0
−2
−4
−6
−8
0
100
300
500
700
x

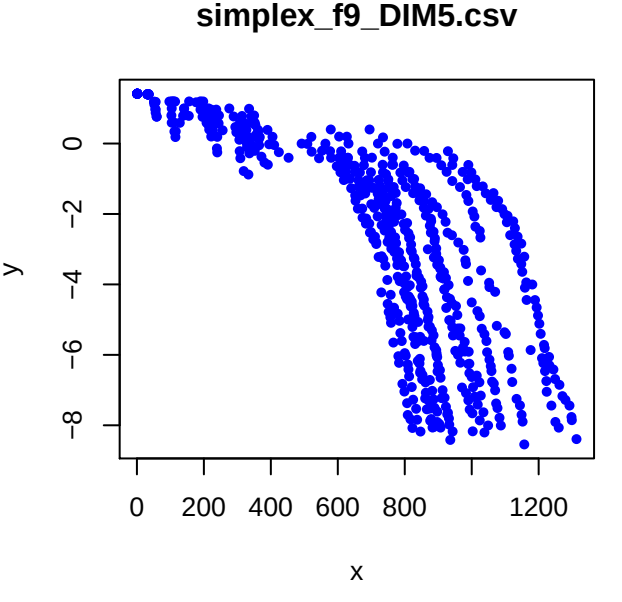

simplex_f8_DIM5.csv
y
4
2
0
−2
−4
−6
−8
0
500
1500
2500
x


simplex_f9_DIM10.csv
y
1
0
−1
−2
0
50000
100000
200000
x


simplex_f9_DIM2.csv
y
0
−2
−4
−6
−8
0
50
100
150
x


simplex_f9_DIM20.csv
y
2.5
2.0
1.5
0.6
0.8
1.0
1.2
1.4
x


simplex_f9_DIM3.csv
y
0
−2
−4
−6
−8
0
50
100
200
300
x


simplex_f9_DIM5.csv
y
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−2
−4
−6
−8
0
200
400
600
800
1200
x