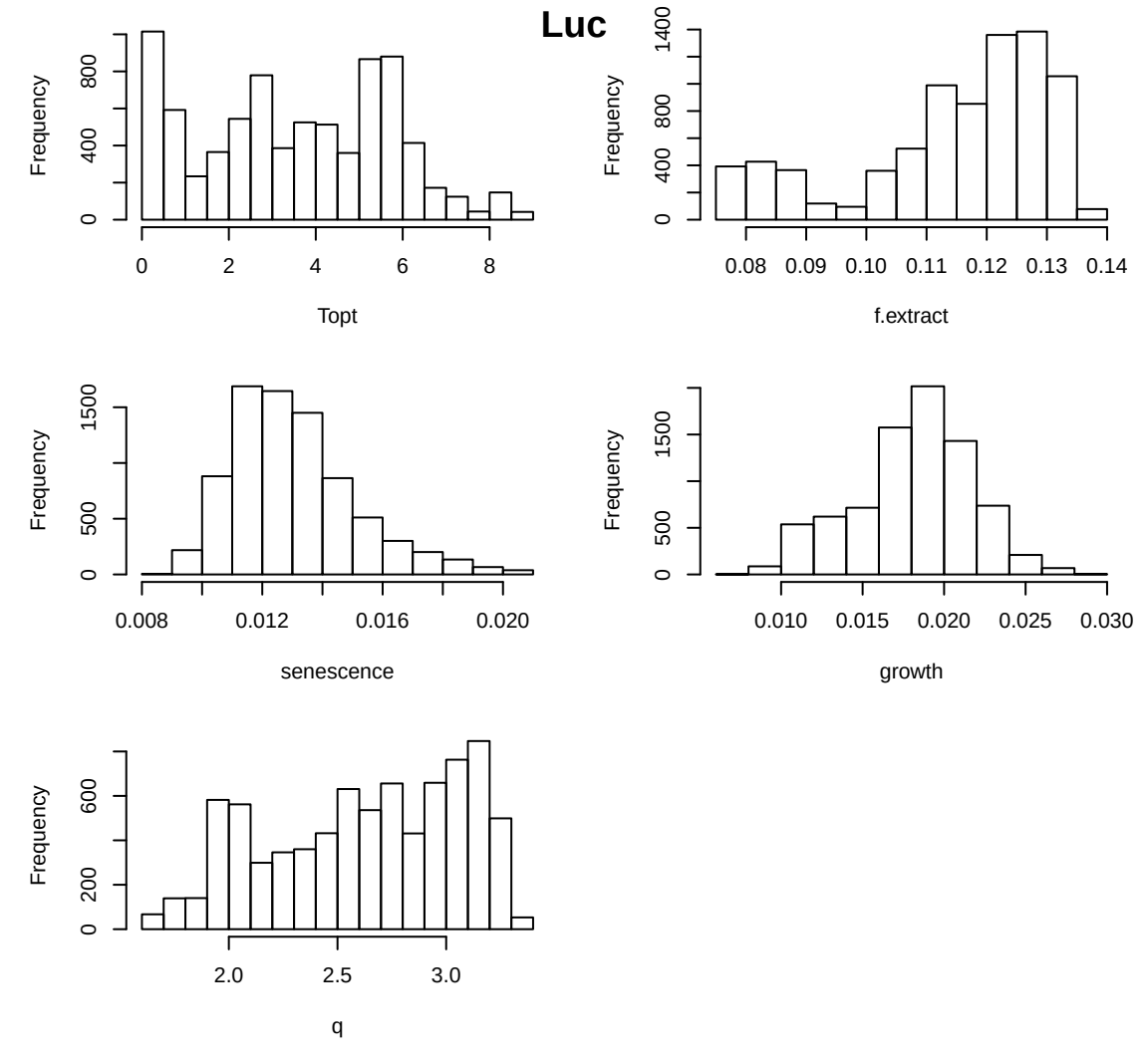
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Frequency
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Topt
Frequency
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1400
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0.09
0.10
0.11
0.12
0.13
0.14
f.extract
Frequency
0
500
1500
0.008
0.012
0.016
0.020
senescence
Frequency
0
500
1500
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0.030
growth
Frequency
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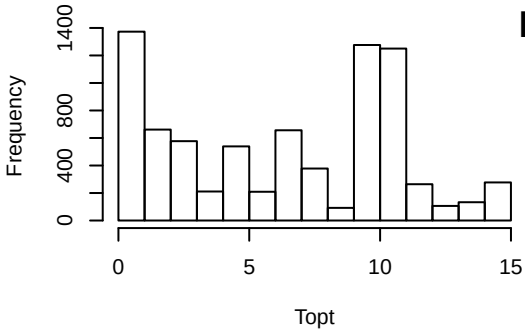
3.0
q

Luc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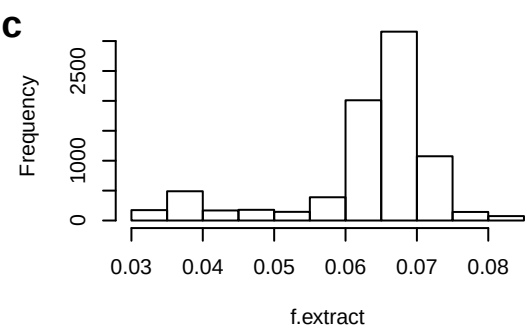
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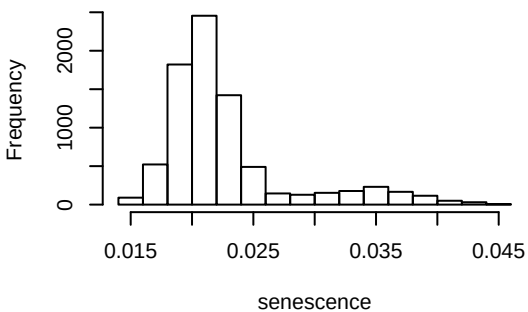
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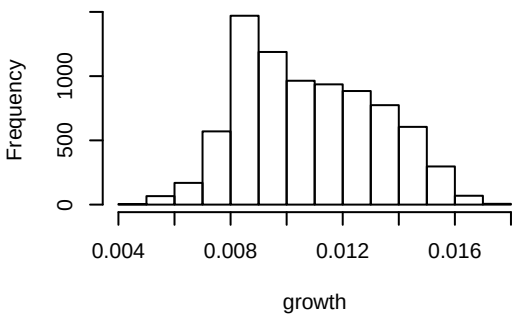
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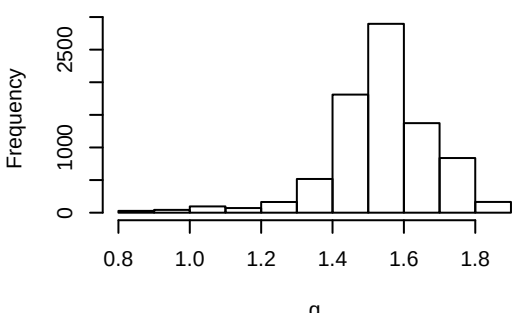
growth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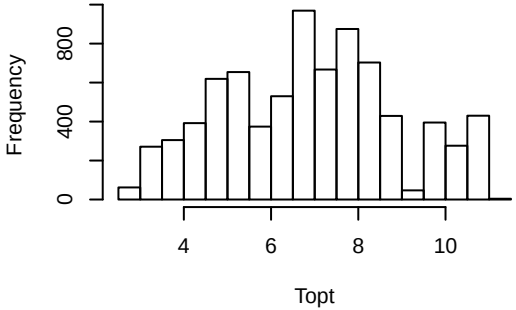
1.8
q

Luc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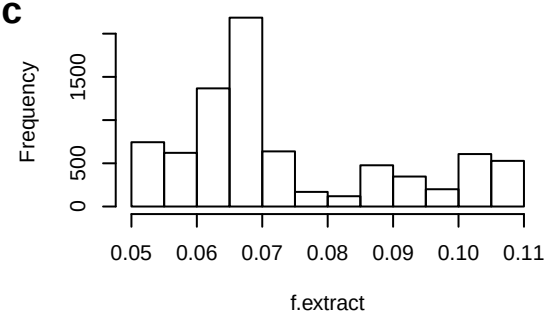
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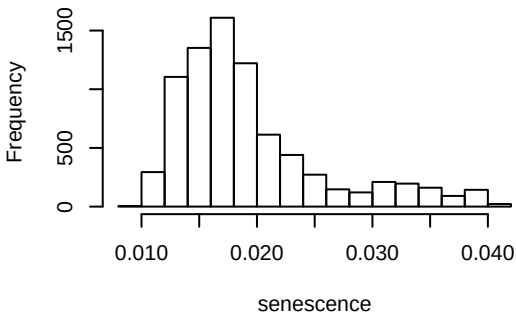
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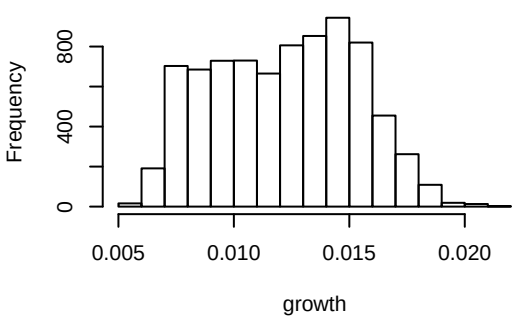
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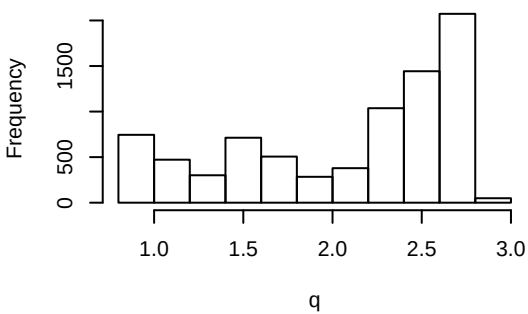
growth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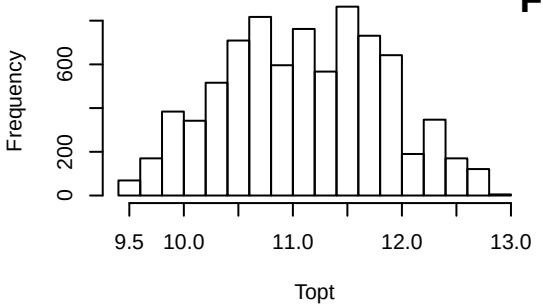
3.0
q

Fes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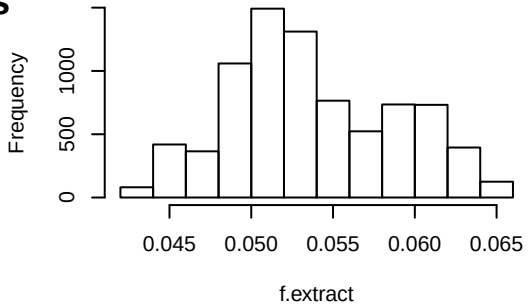
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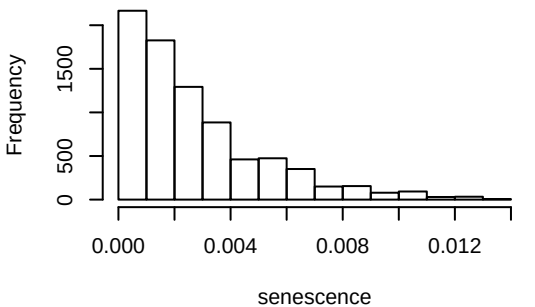
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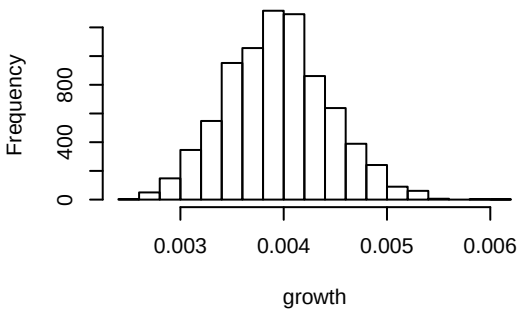
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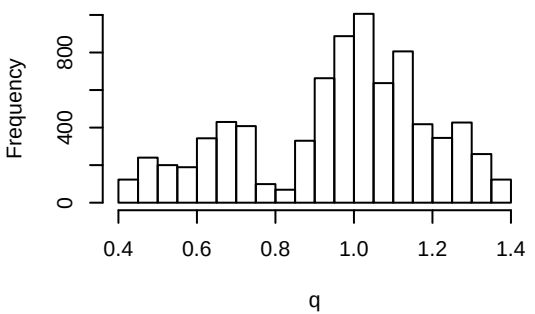
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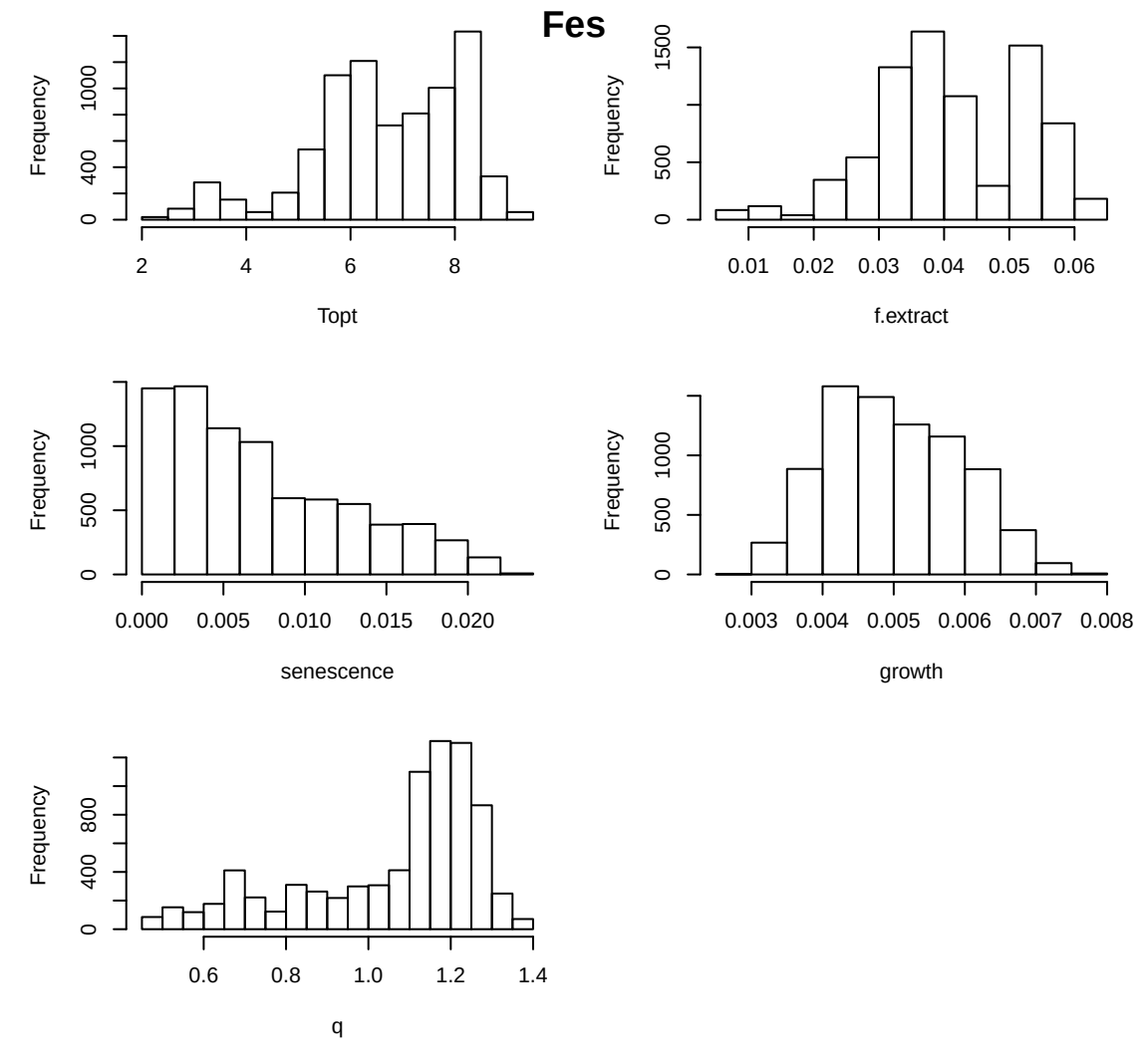
Fes
Frequency
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Topt
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0.01
0.02
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0.04
0.05
0.06
f.extract
Frequency
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500
1000
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0.020
senescence
Frequency
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500
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0.004
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growth
Frequency
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0.8
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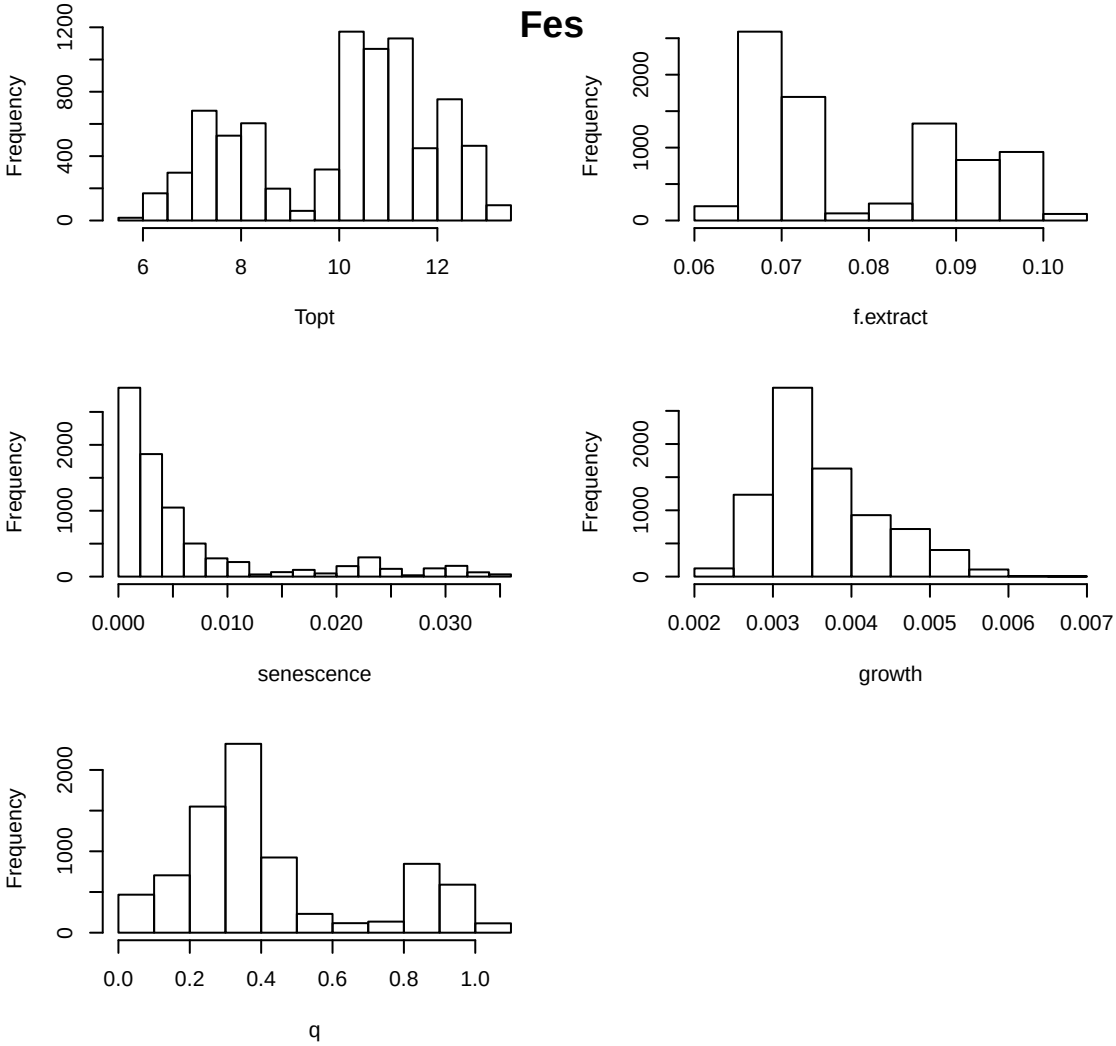
1.4
q


Fes
Frequency
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Topt
Frequency
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0.09
0.10
f.extract
Frequency
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1000
2000
0.000
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0.020
0.030
senescence
Frequency
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0.004
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growth
Frequency
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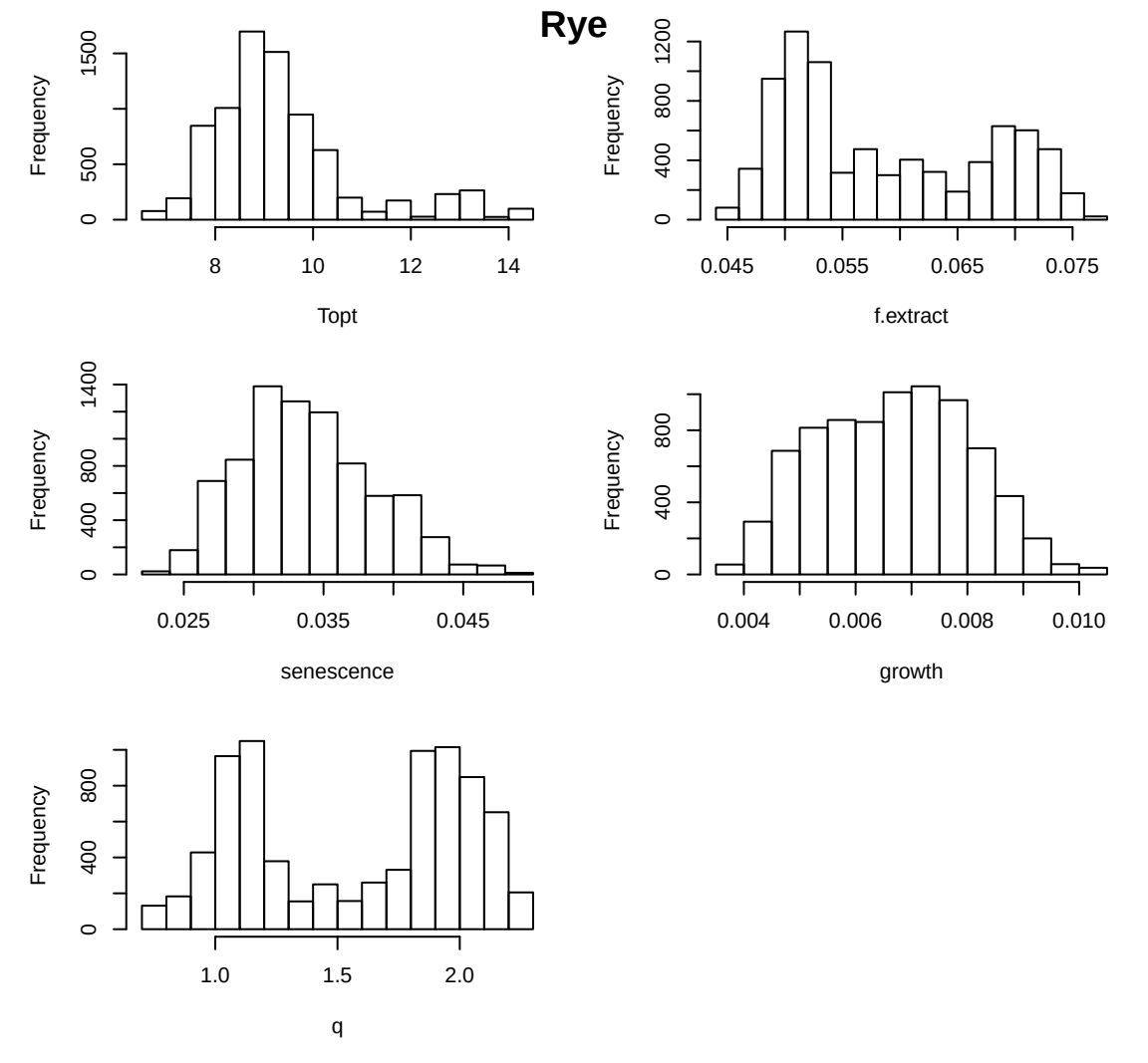
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Topt
Frequency
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0.075
f.extract
Frequency
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400
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1400
0.025
0.035
0.045
senescence
Frequency
0
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0.008
0.010
growth
Frequency
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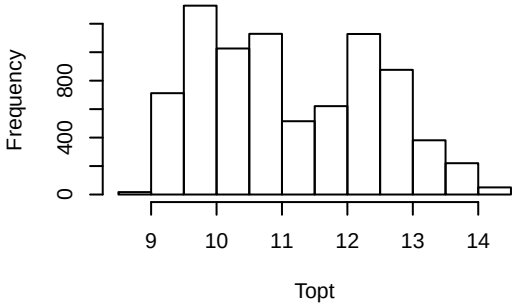
1.5
2.0
q

Rye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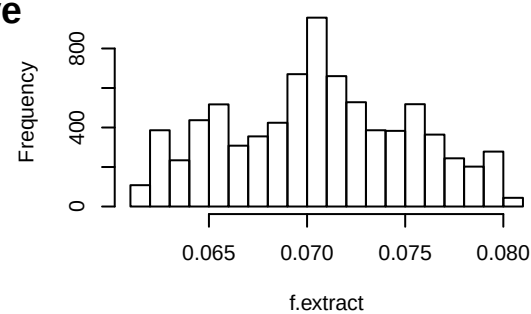
Topt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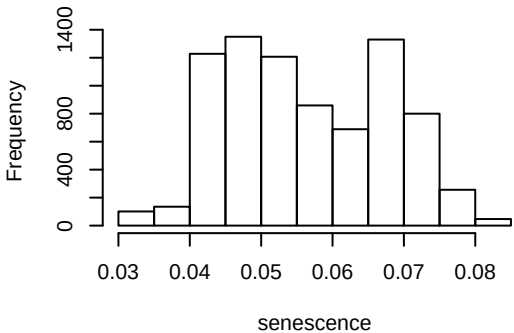
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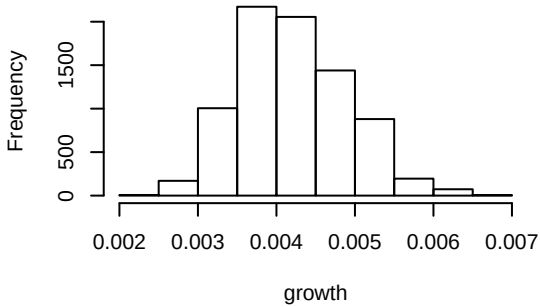
senescence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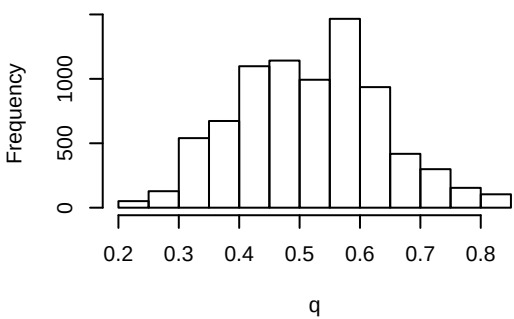
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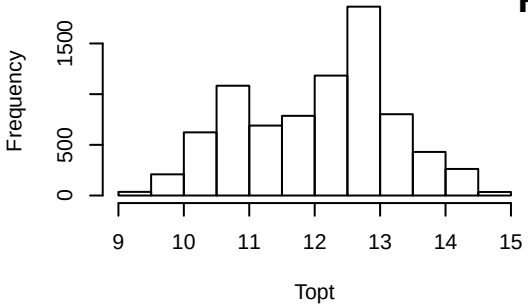
q

Rye


Frequency
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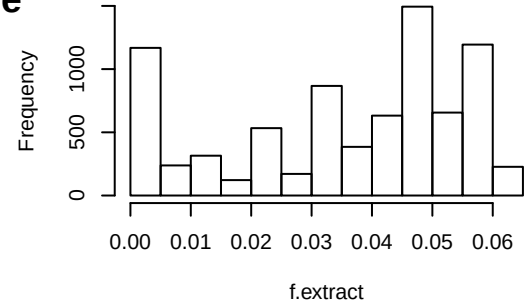
Topt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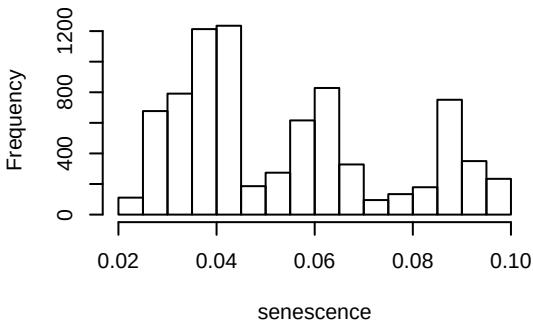
Frequency
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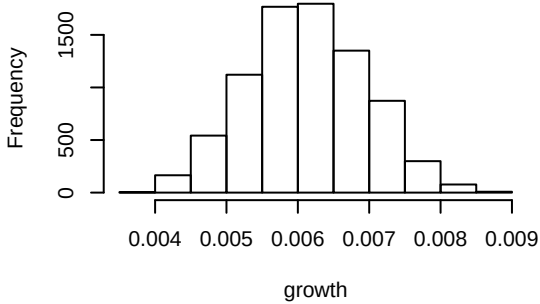
senescence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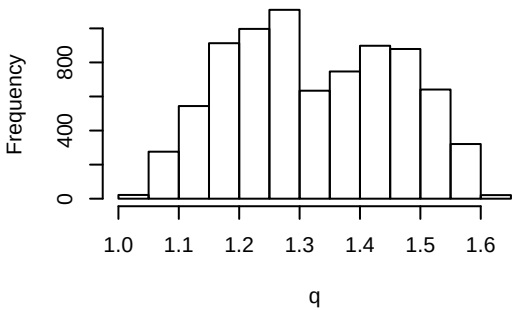
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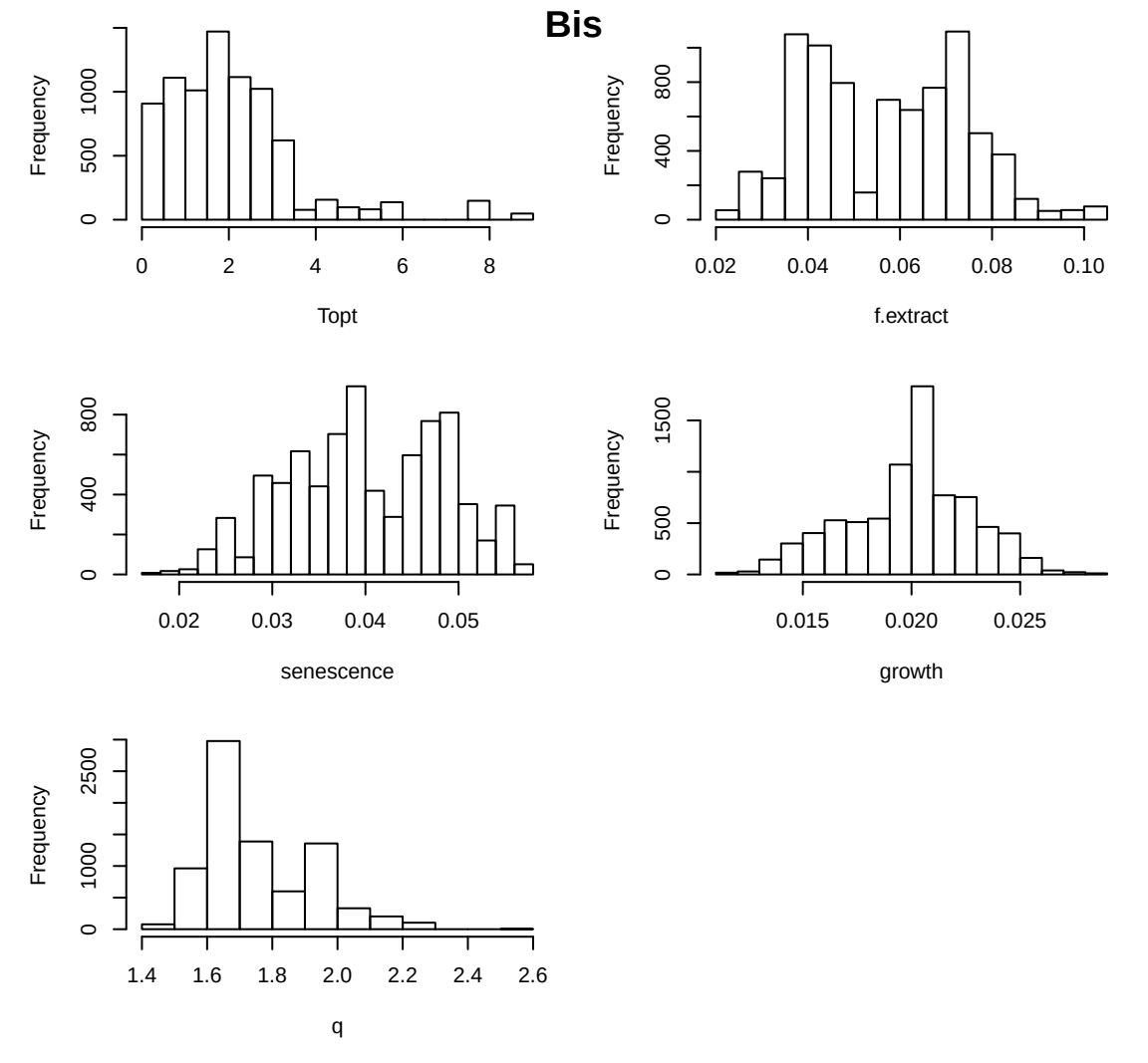
Bis
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Topt
Frequency
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800
0.02
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0.06
0.08
0.10
f.extract
Frequency
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400
800
0.02
0.03
0.04
0.05
senescence
Frequency
0
500
1500
0.015
0.020
0.025
growth
Frequency
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1.6
1.8
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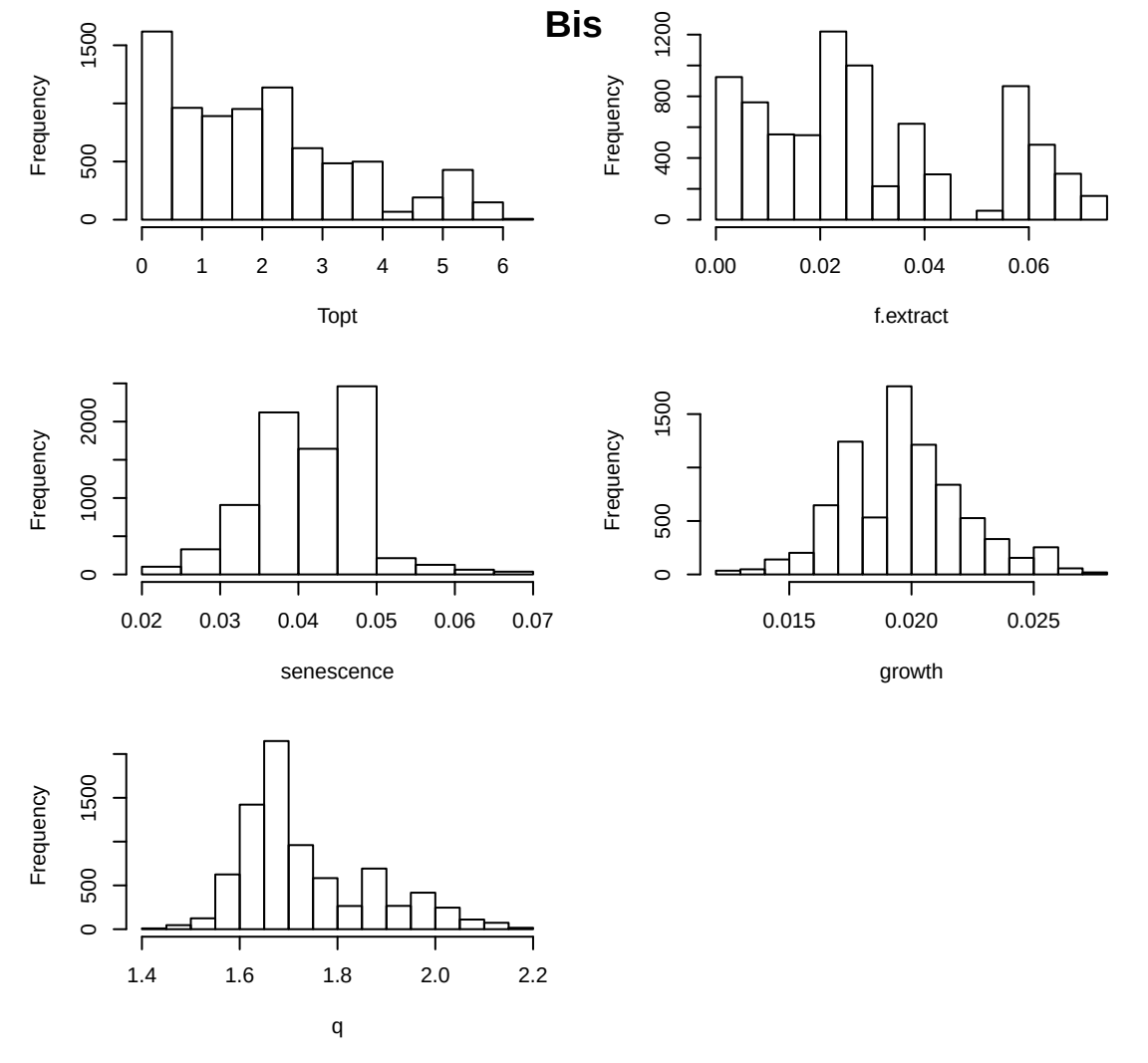
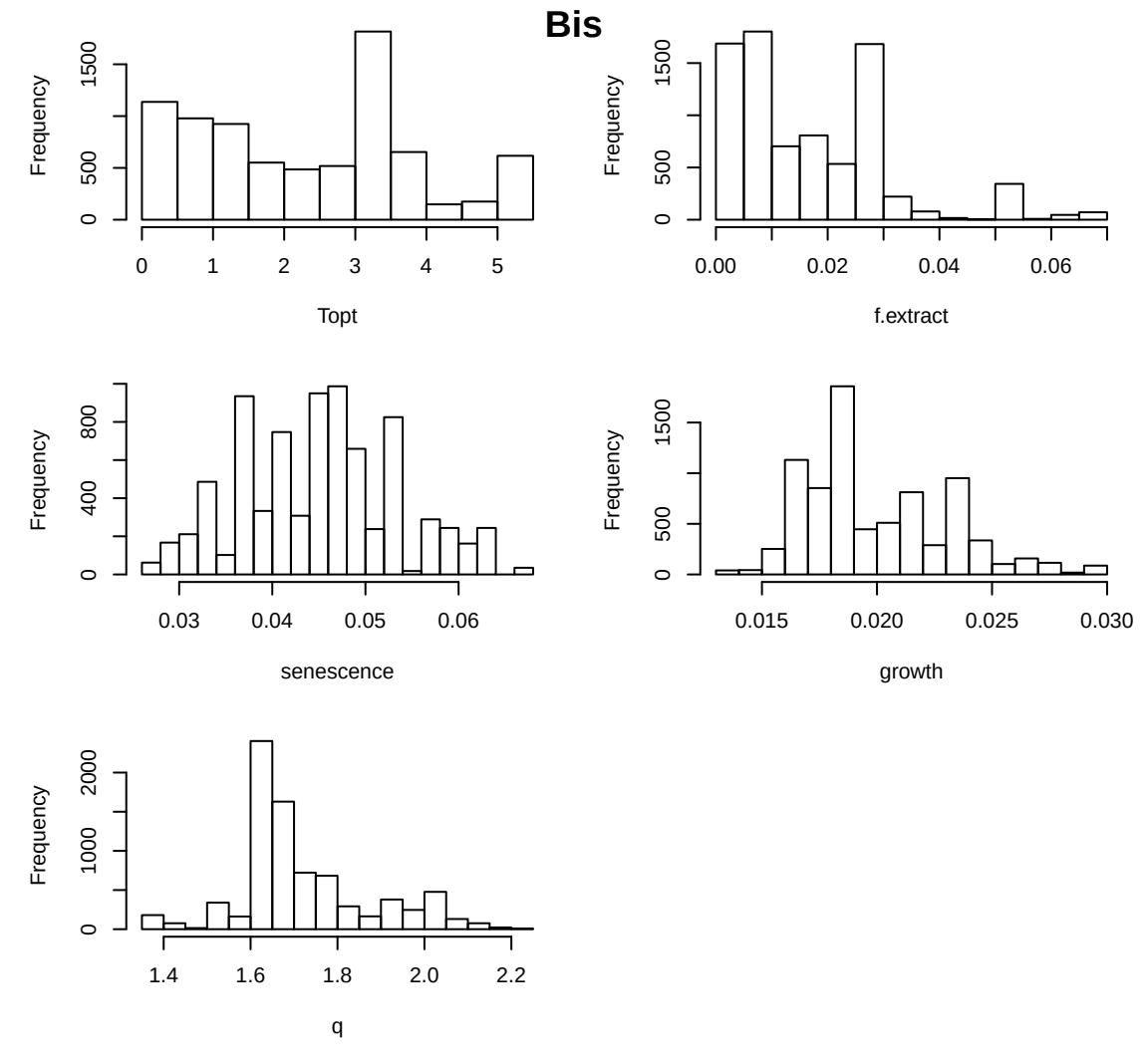
2.2
2.4
2.6
q


Bis
Frequency
Topt
f.extract
senescence
growth
q


Bis
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Frequency
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f.extract
Frequency
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0.06
senescence
Frequency
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0.030
growth
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2.2
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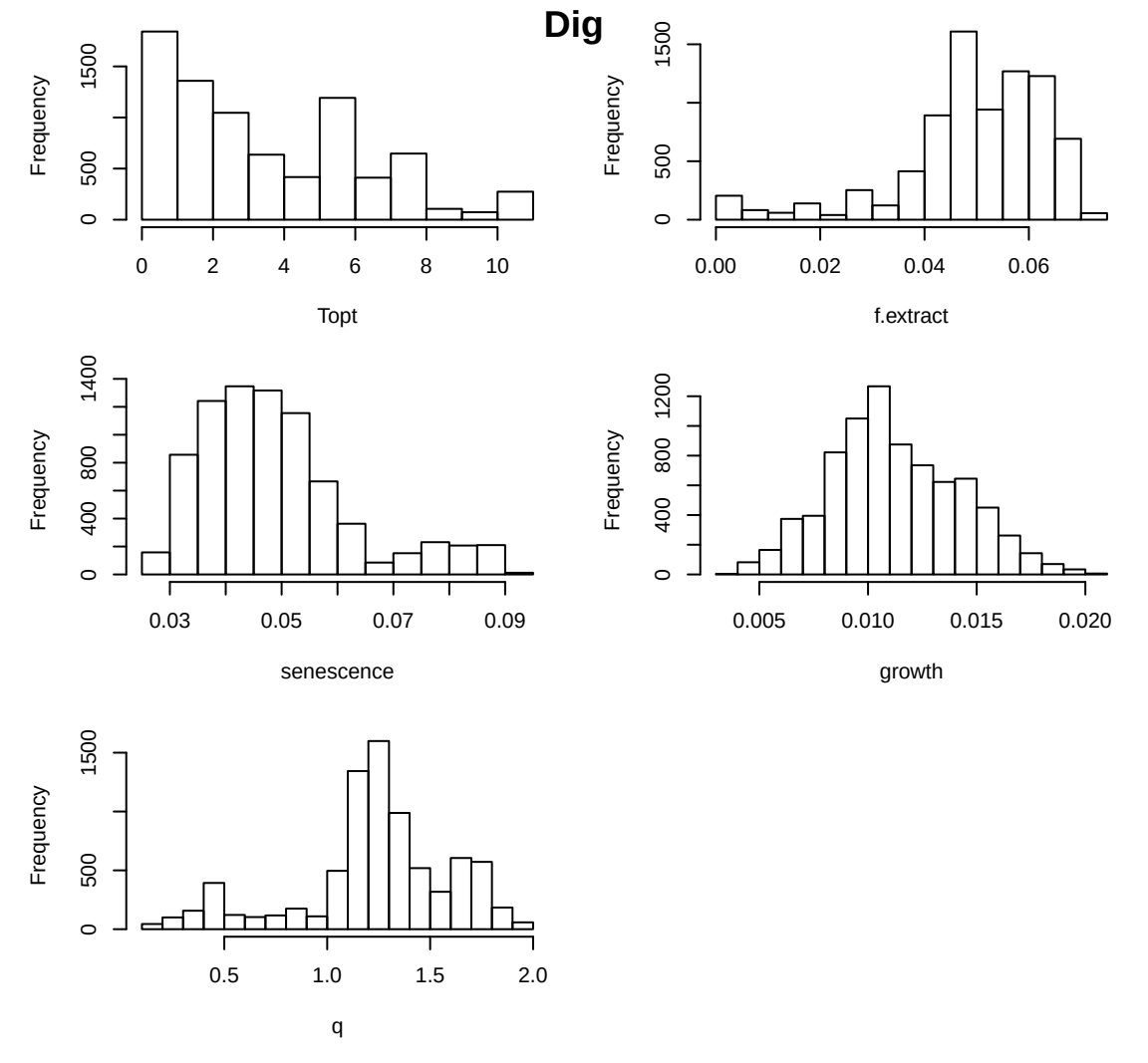
Dig
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Topt
Frequency
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0.06
f.extract
Frequency
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0.07
0.09
senescence
Frequency
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0.020
growth
Frequency
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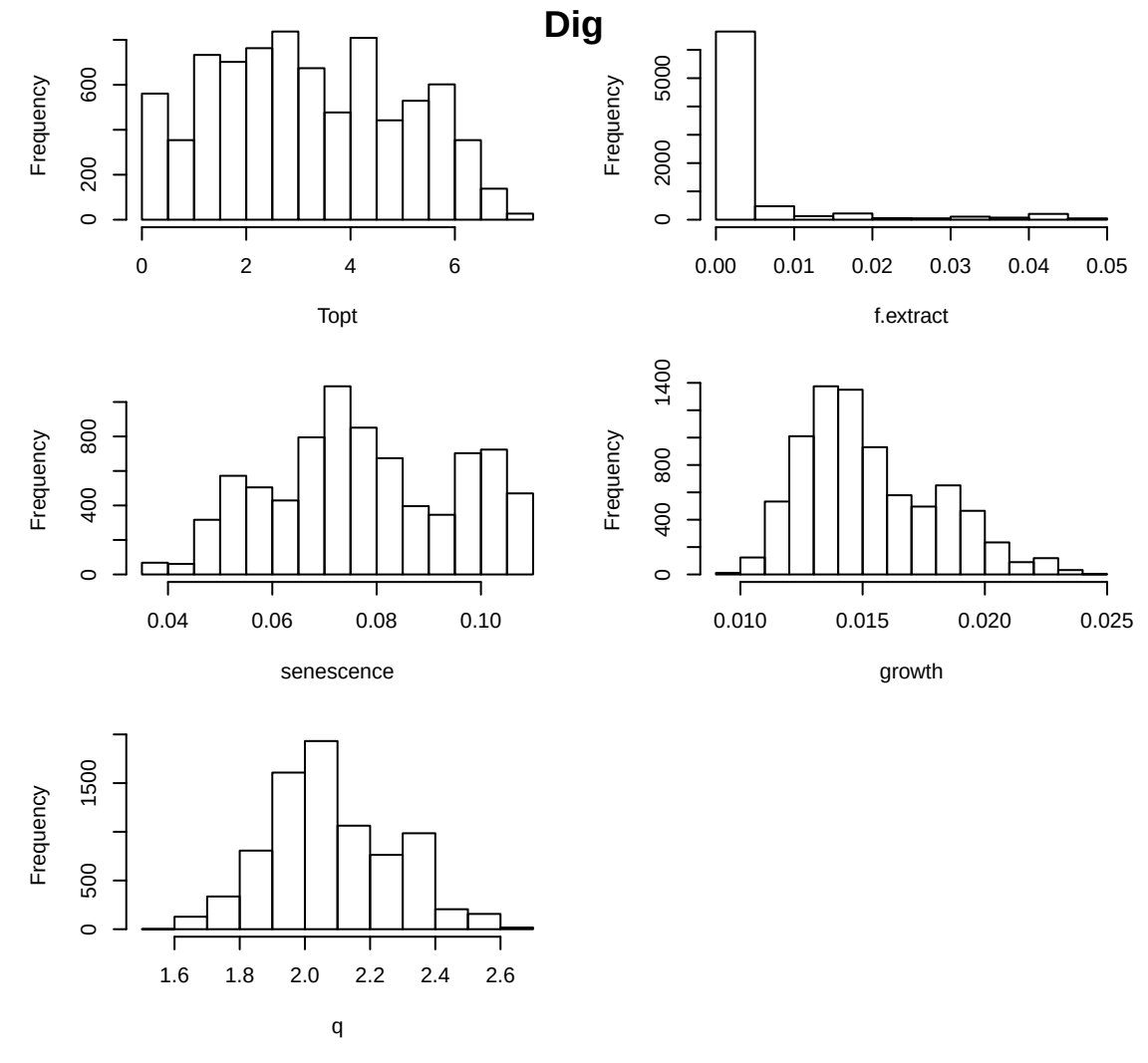
1.5
2.0
q


Dig
Frequency
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Topt
Frequency
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5000
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0.01
0.02
0.03
0.04
0.05
f.extract
Frequency
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400
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0.06
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0.10
senescence
Frequency
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400
800
1400
0.010
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growth
Frequency
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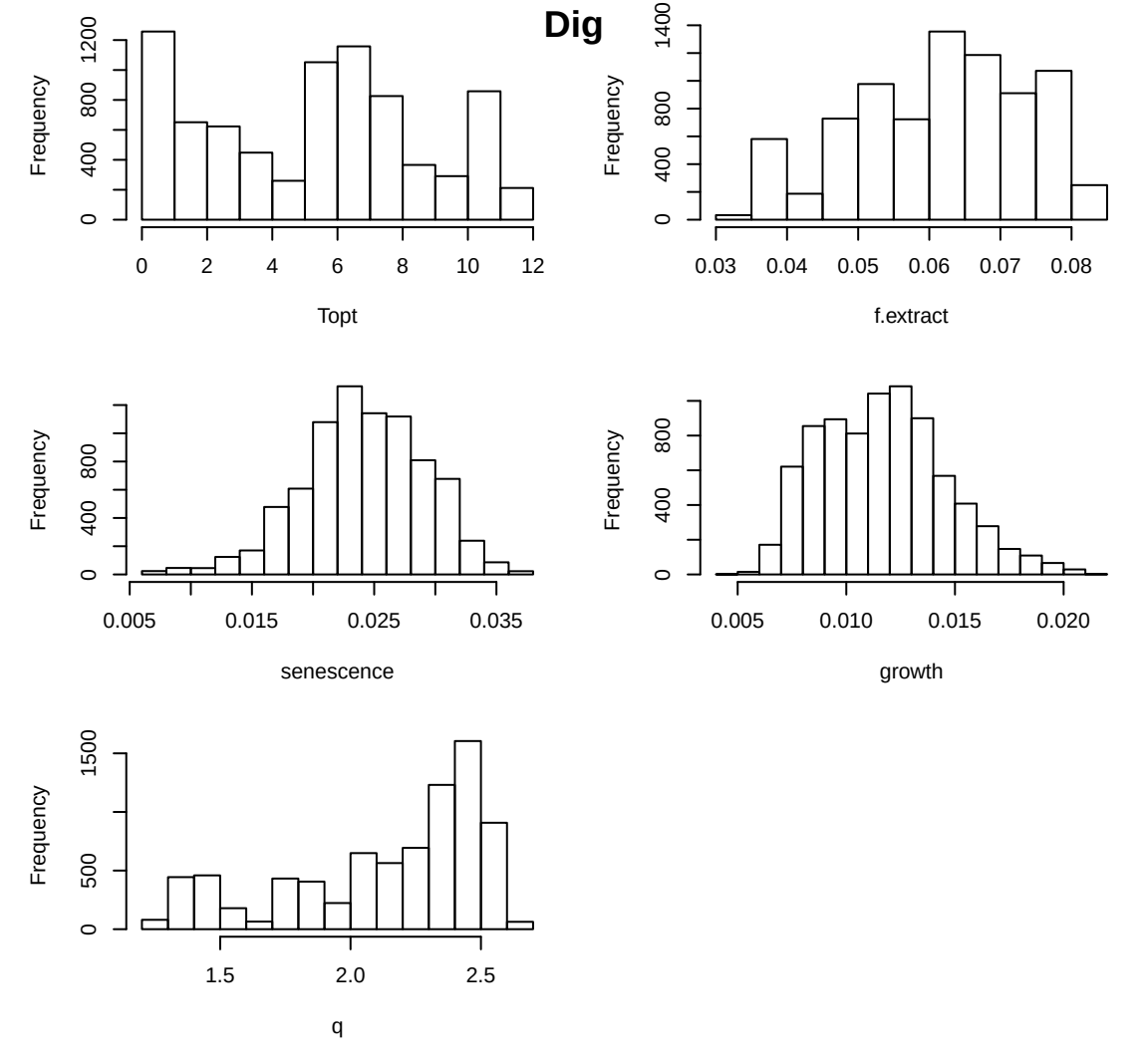
1.8
2.0
2.2
2.4
2.6
q


Dig
Frequency
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4
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8
10
12
Topt
Frequency
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400
800
1400
0.03
0.04
0.05
0.06
0.07
0.08
f.extract
Frequency
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400
800
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0.015
0.025
0.035
senescence
Frequency
0
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0.015
0.020
growth
Frequency
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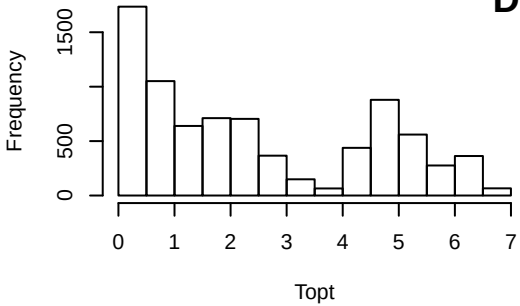
1500
1.5
2.0
2.5
q

DigBis


Frequency
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6
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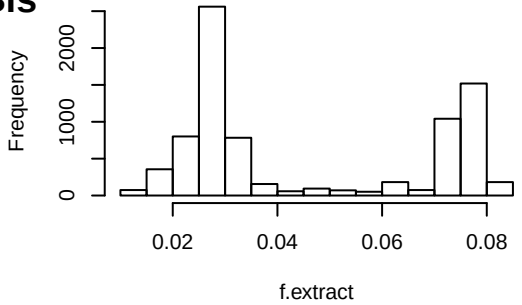
Topt


Frequency
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1000
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0.04
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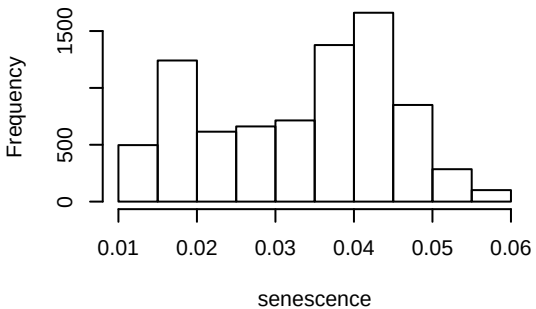
0.08
f.extract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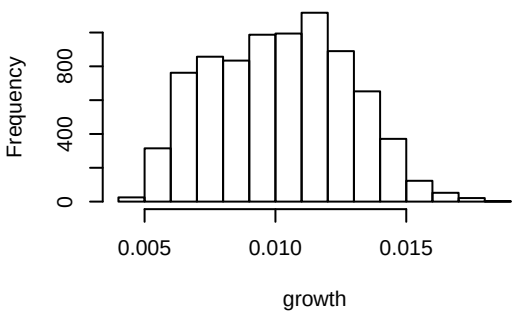
0.03
0.04
0.05
0.06
senescence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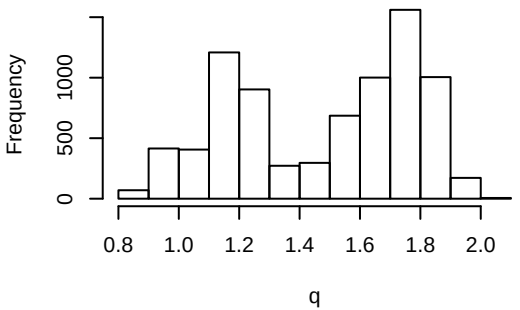
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1.8
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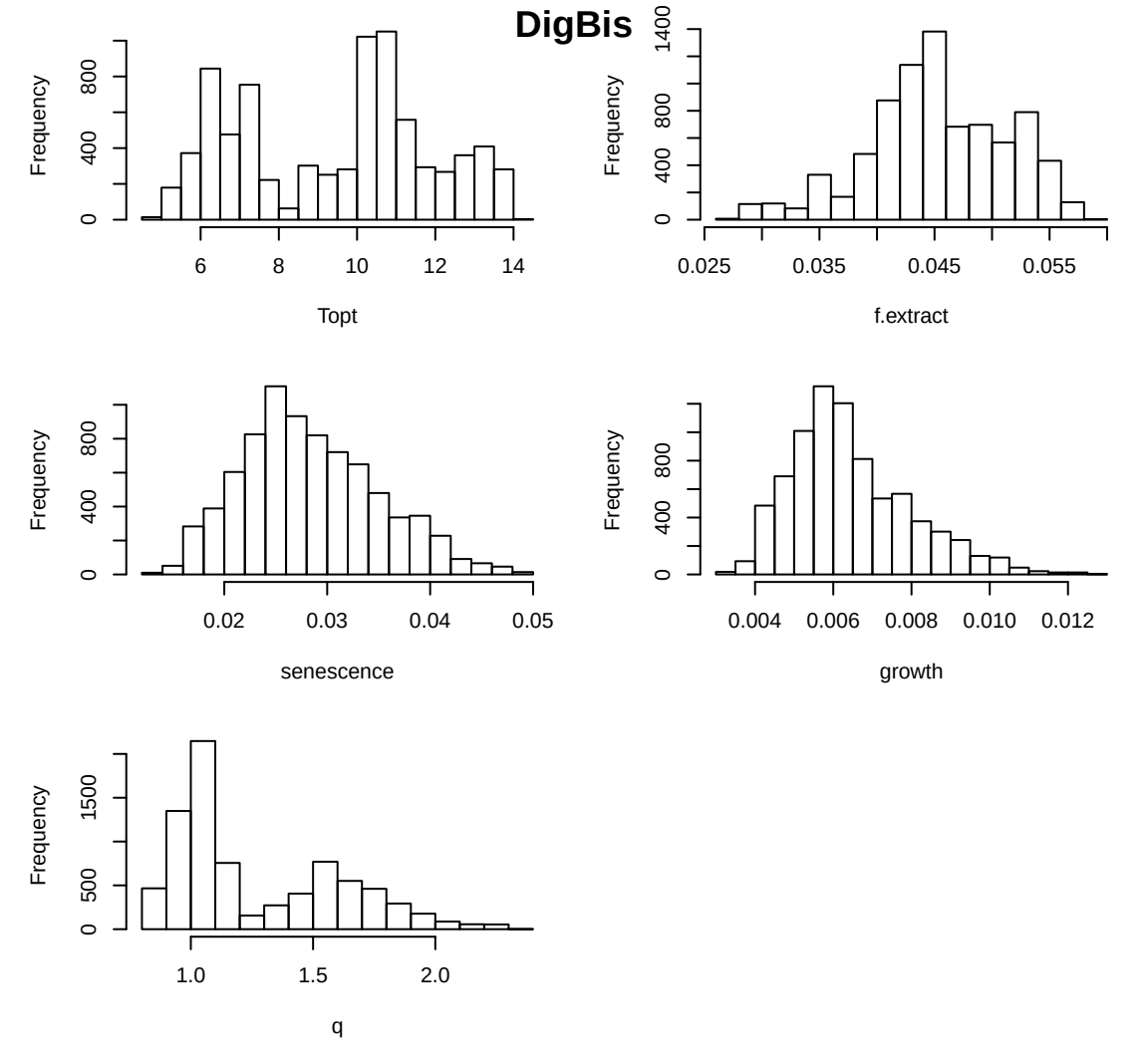
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12
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Topt
Frequency
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800
1400
0.025
0.035
0.045
0.055
f.extract
Frequency
0
400
800
0.02
0.03
0.04
0.05
senescence
Frequency
0
400
800
0.004
0.006
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0.010
0.012
growth
Frequency
0
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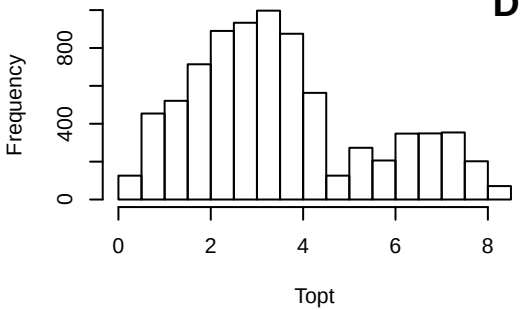
1500
1.0
1.5
2.0
q

DigBis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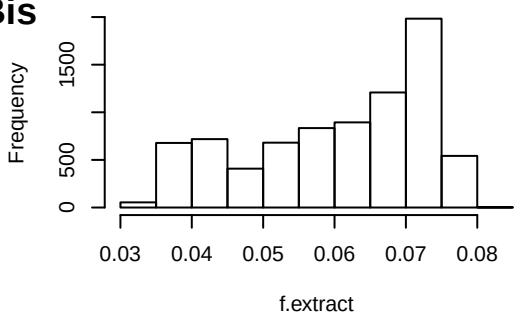
8
Topt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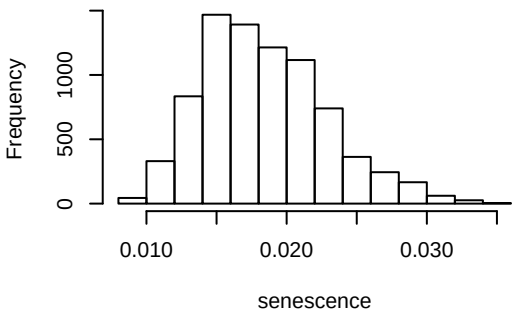
f.extract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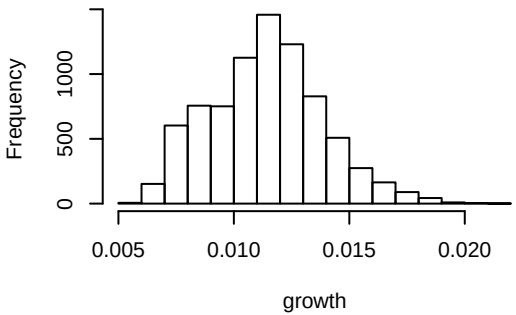
senescence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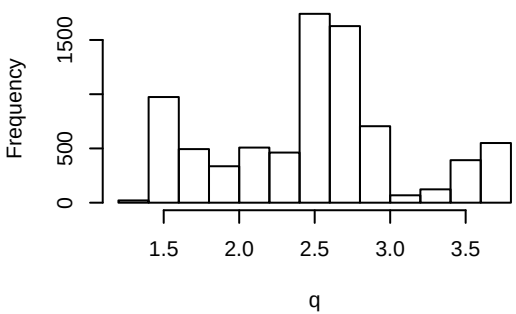
growth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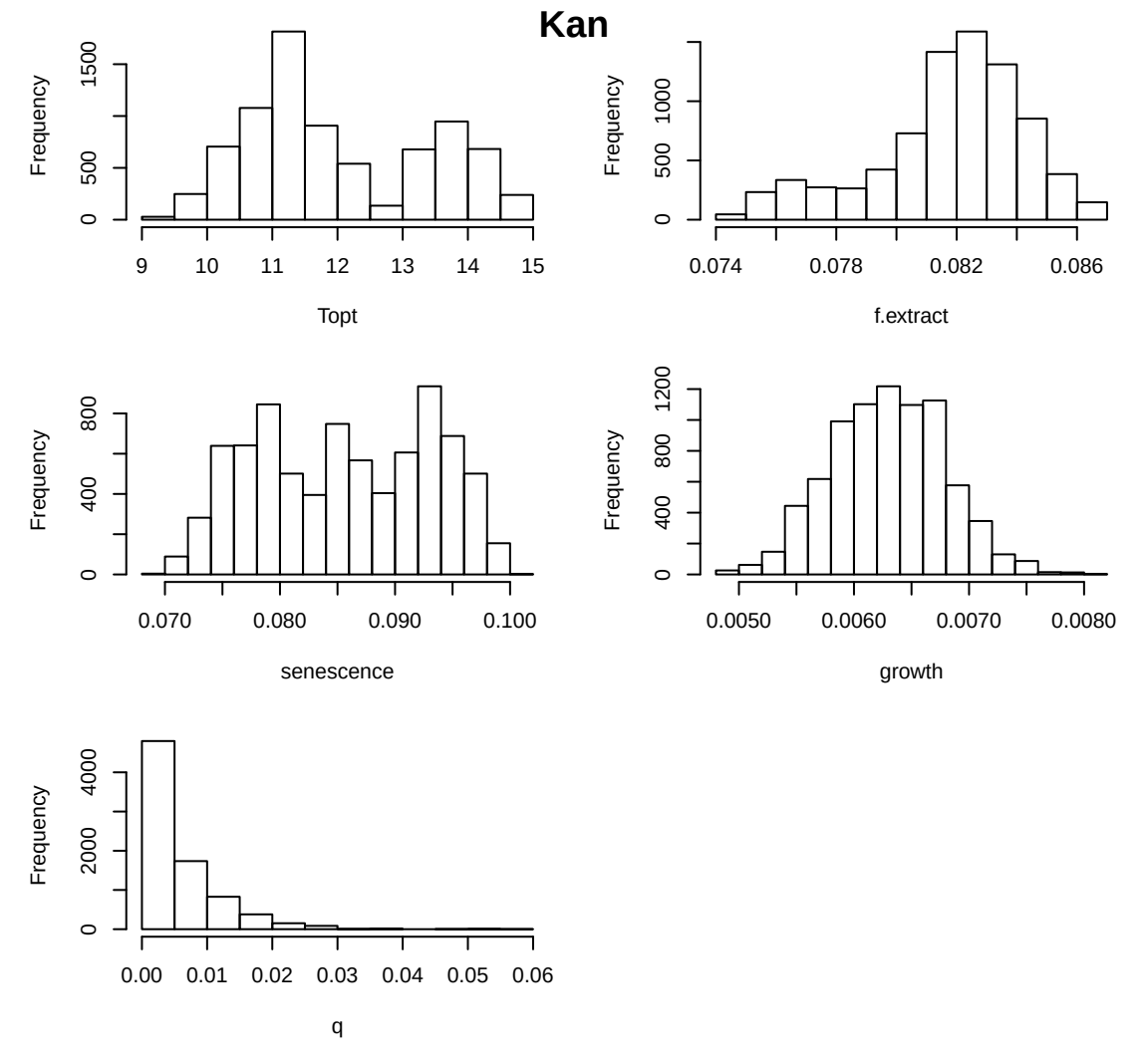
q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12
13
14
15
Topt
Frequency
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500
1000
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0.078
0.082
0.086
f.extract
Frequency
0
400
800
0.070
0.080
0.090
0.100
senescence
Frequency
0
400
800
1200
0.0050
0.0060
0.0070
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growth
Frequency
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0.01
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0.03
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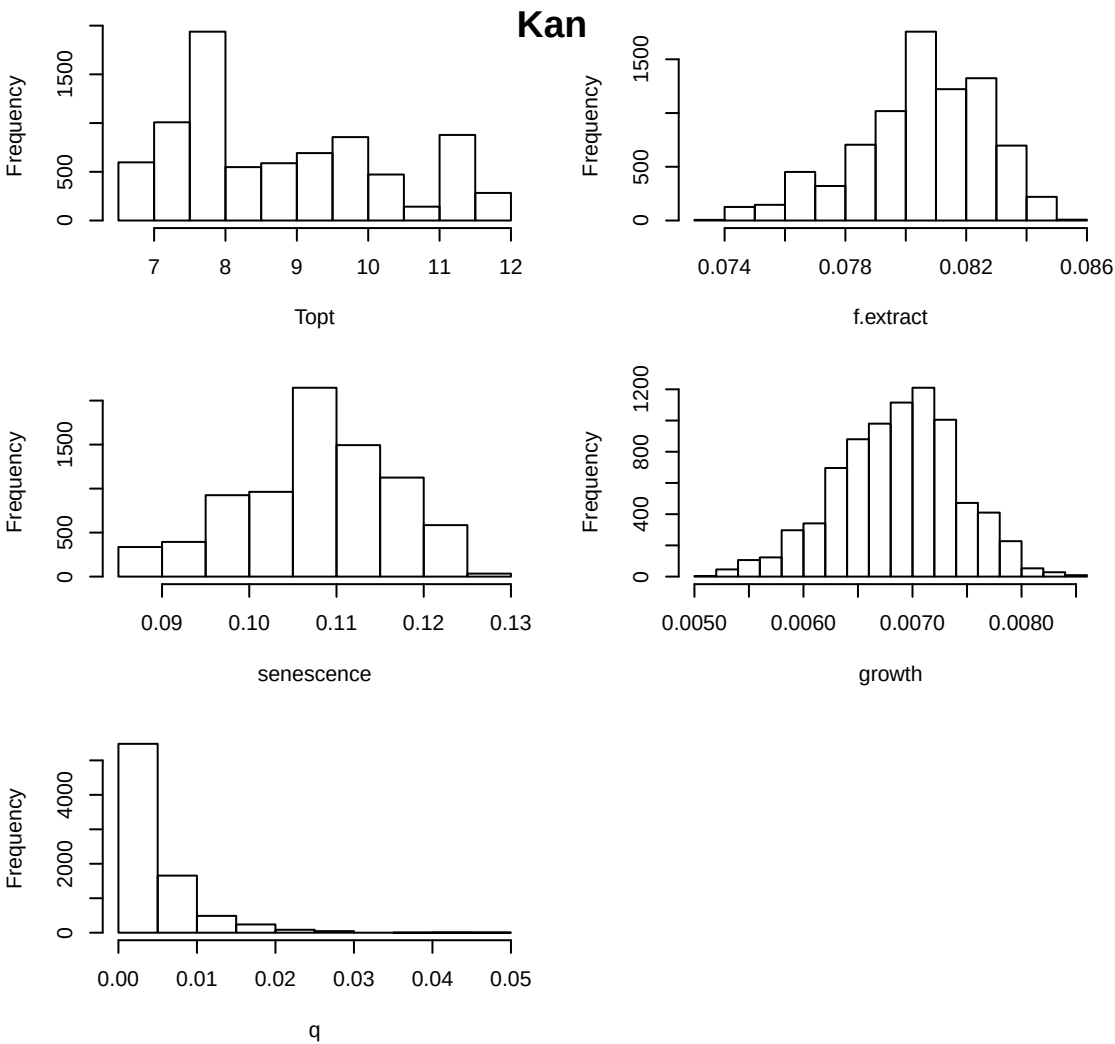
0.05
0.06
q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Frequency
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1500
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10
11
12
Topt
Frequency
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500
1500
0.074
0.078
0.082
0.086
f.extract
Frequency
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500
1500
0.09
0.10
0.11
0.12
0.13
senescence
Frequency
0
400
800
1200
0.0050
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growth
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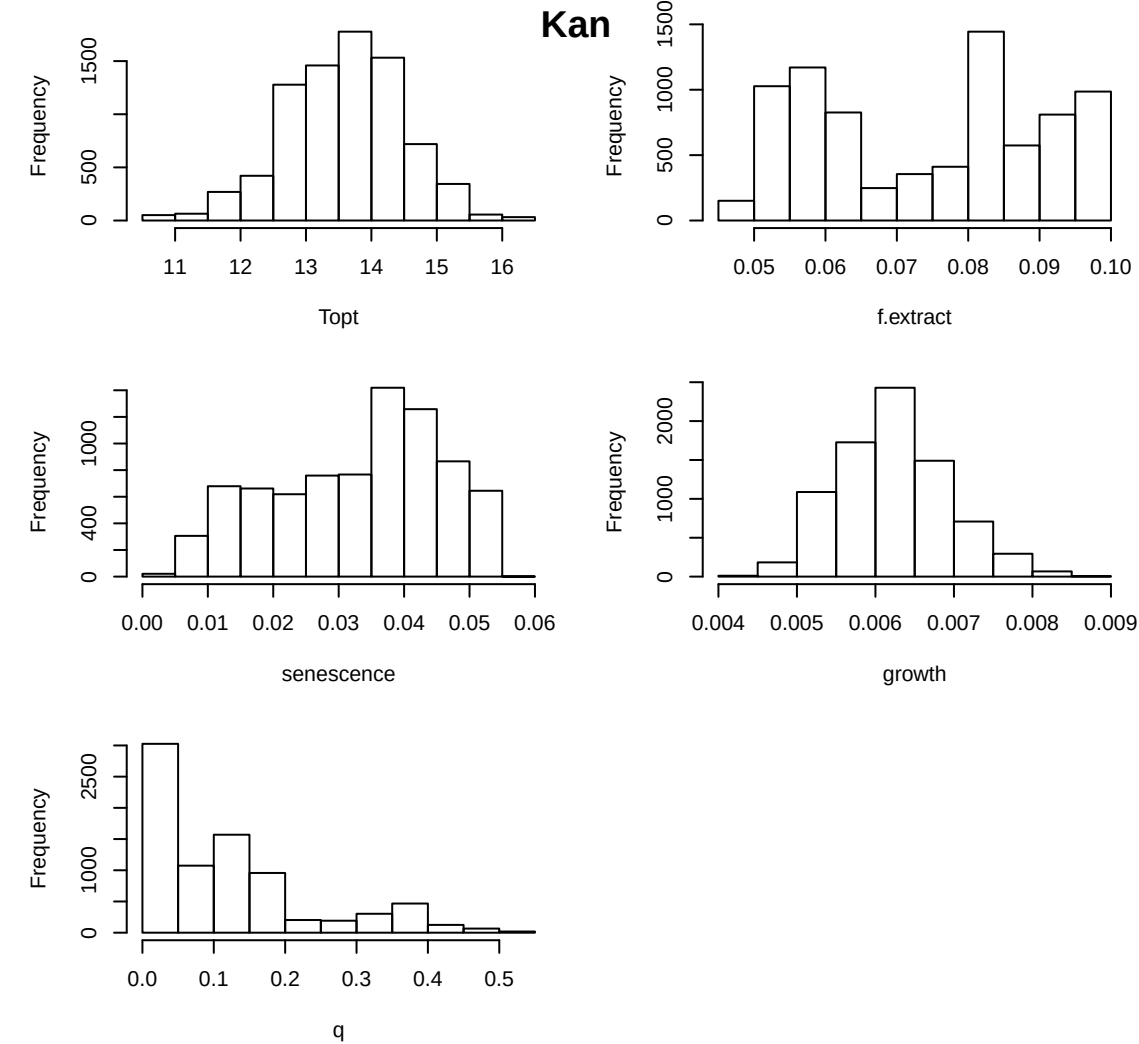
0.04
0.05
q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Frequency
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1000
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0.06
0.07
0.08
0.09
0.10
f.extract
Frequency
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400
1000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
senescence
Frequency
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1000
2000
0.004
0.005
0.006
0.007
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growth
Frequency
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0.5
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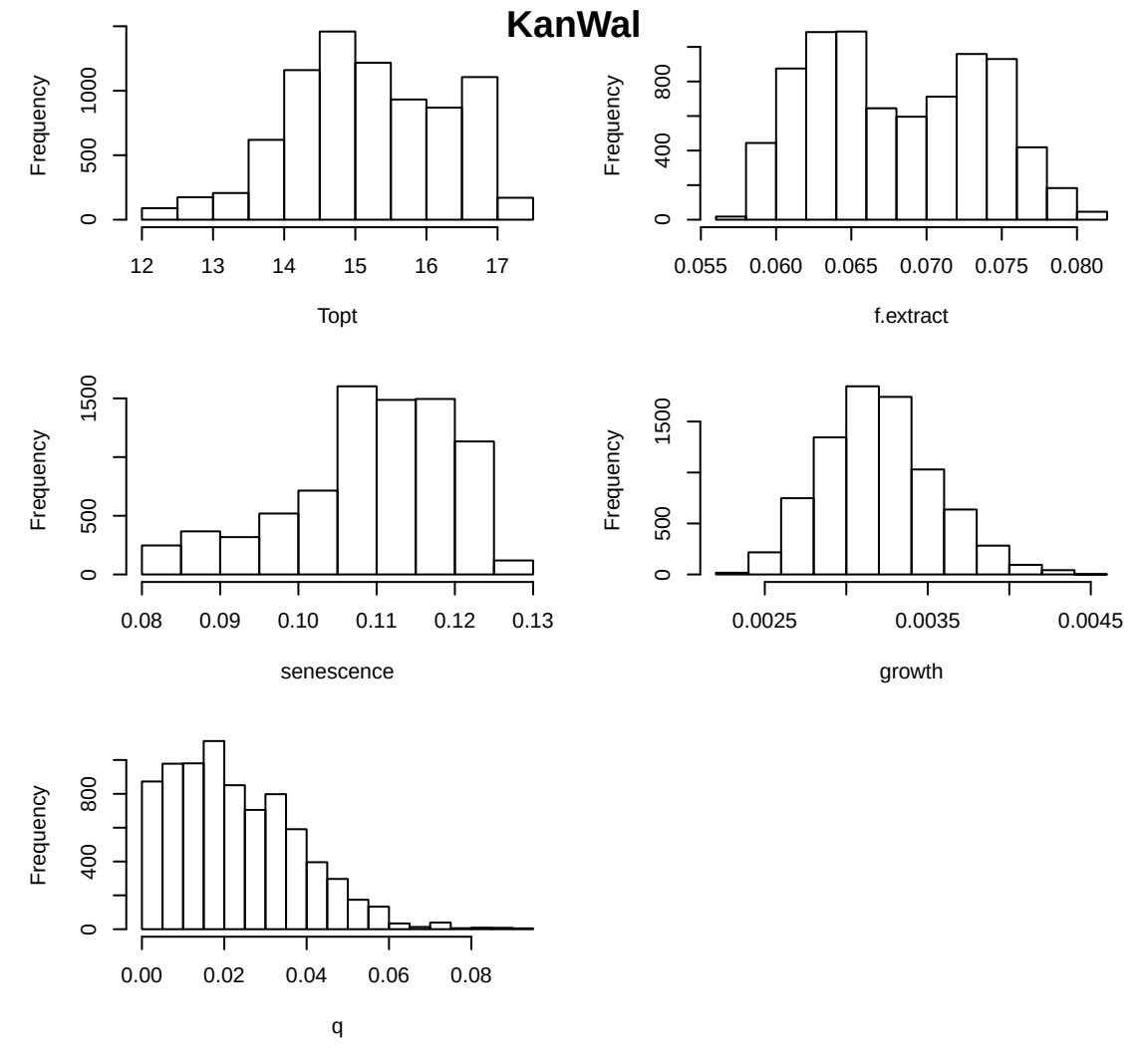
KanWal
Frequency
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Topt
Frequency
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800
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0.065
0.070
0.075
0.080
f.extract
Frequency
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500
1500
0.08
0.09
0.10
0.11
0.12
0.13
senescence
Frequency
0
500
1500
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0.0045
growth
Frequency
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800
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0.02
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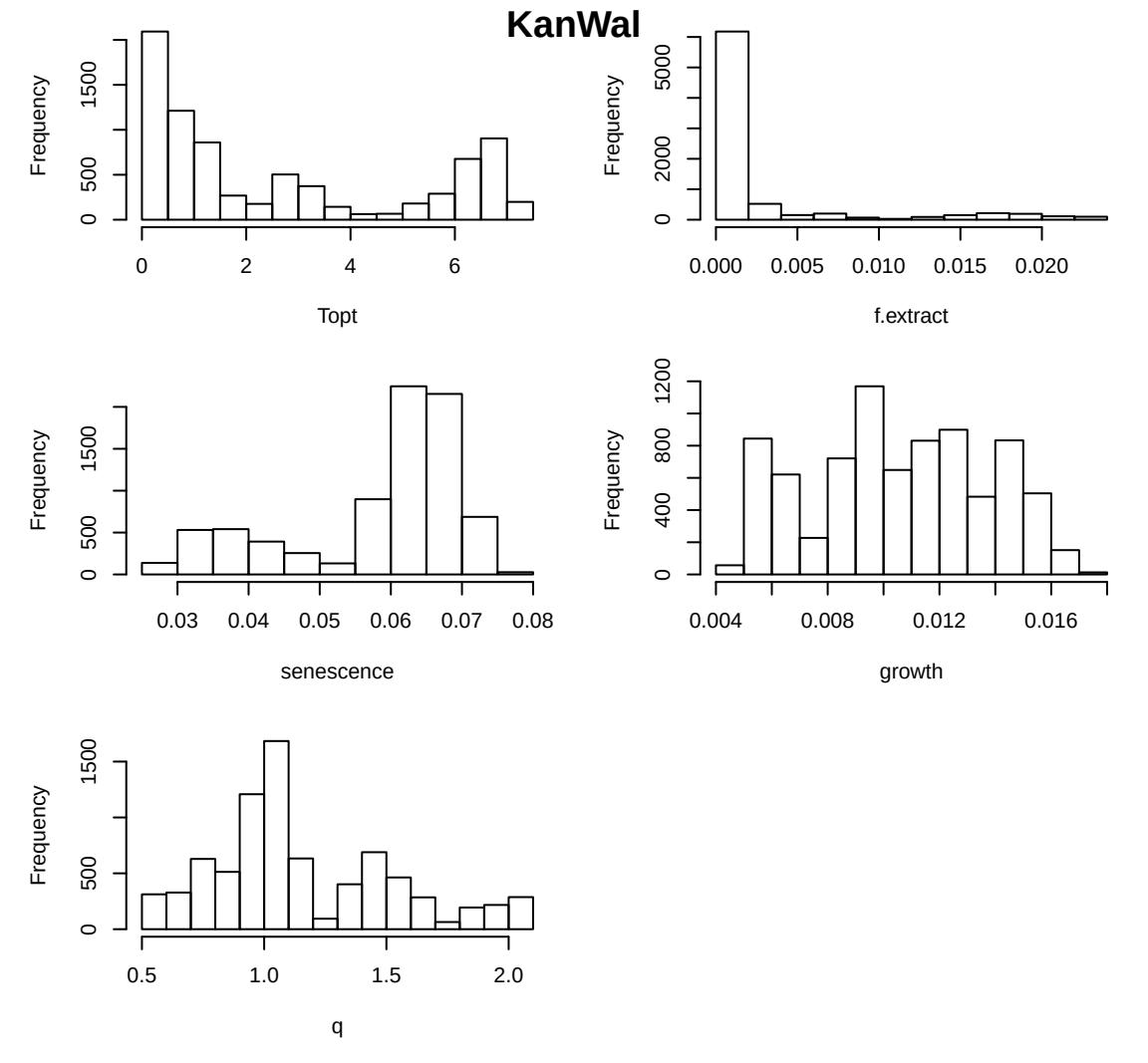
0.06
0.08
q


KanWal
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Topt
Frequency
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5000
0.000
0.005
0.010
0.015
0.020
f.extract
Frequency
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500
1500
0.03
0.04
0.05
0.06
0.07
0.08
senescence
Frequency
0
400
800
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0.012
0.016
growth
Frequency
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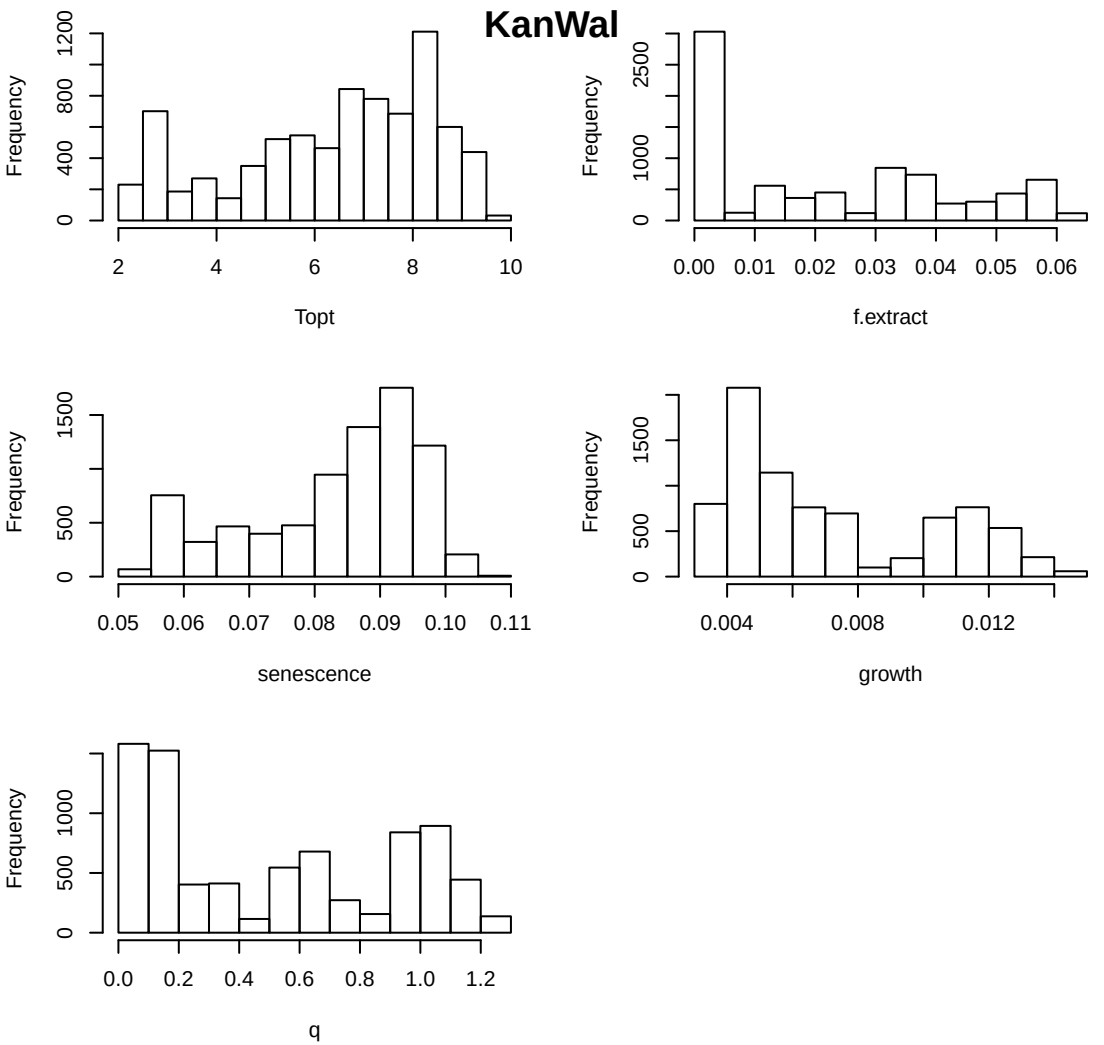
1.5
2.0
q


KanWal
Frequency
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Topt
Frequency
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2500
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0.02
0.03
0.04
0.05
0.06
f.extract
Frequency
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0.05
0.06
0.07
0.08
0.09
0.10
0.11
senescence
Frequency
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500
1500
0.004
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growth
Frequency
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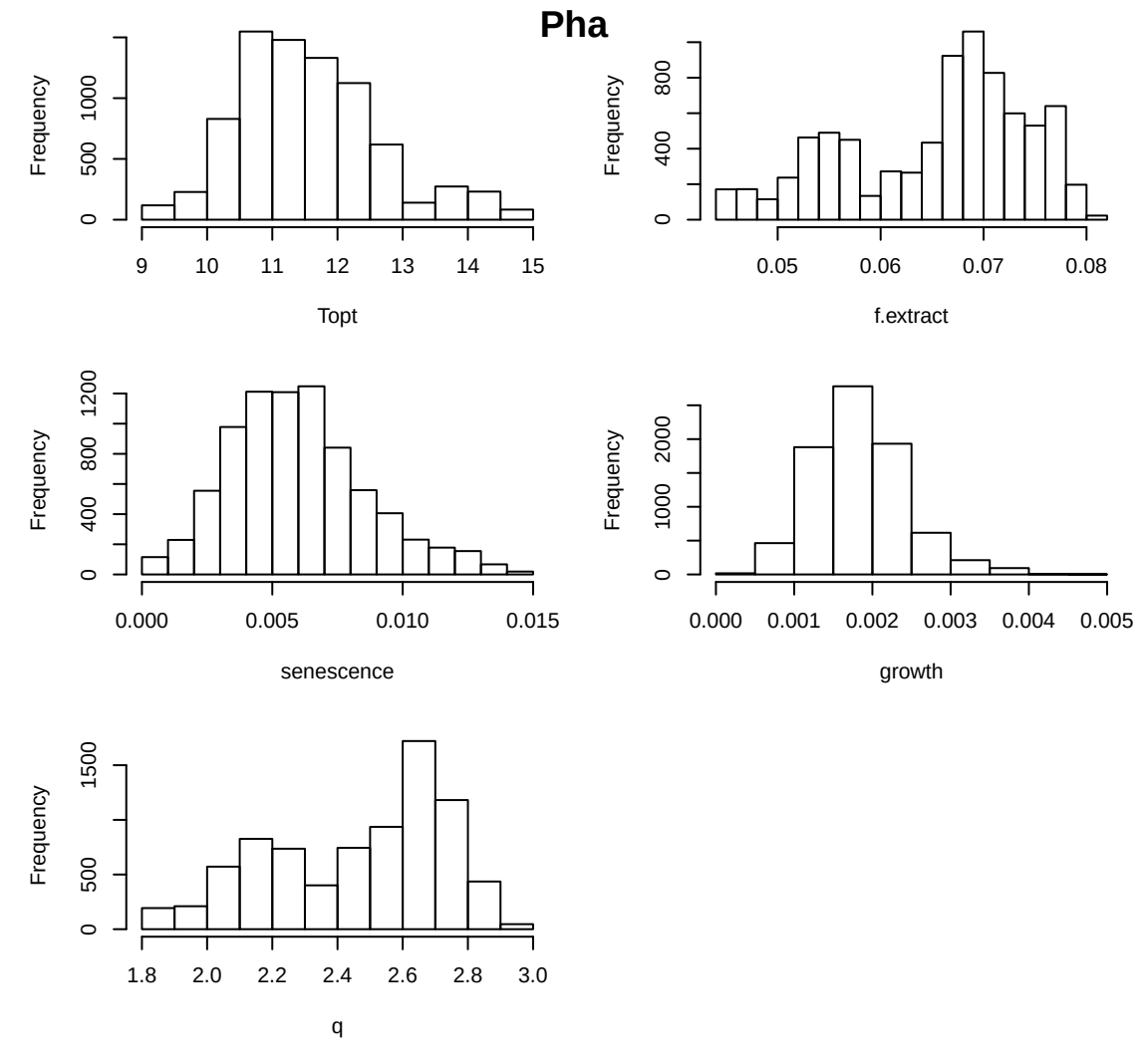
q


Pha
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Topt
Frequency
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800
0.05
0.06
0.07
0.08
f.extract
Frequency
0
400
800
1200
0.000
0.005
0.010
0.015
senescence
Frequency
0
1000
2000
0.000
0.001
0.002
0.003
0.004
0.005
growth
Frequency
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2.2
2.4
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2.8
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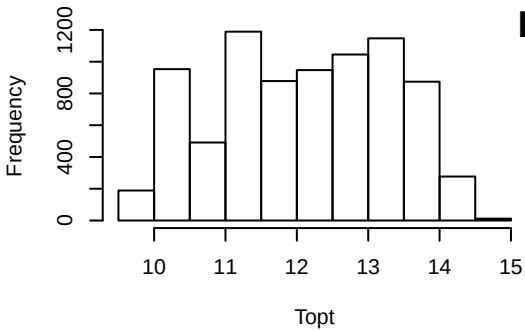
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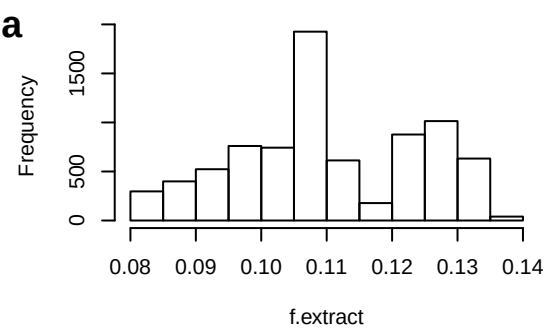
Topt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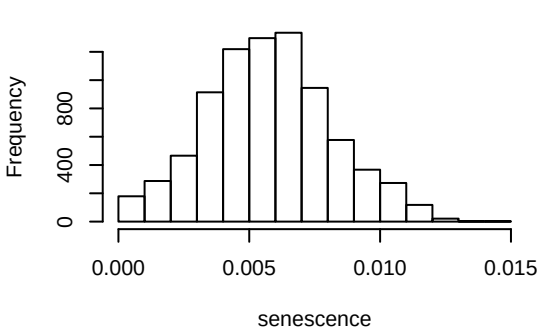
f.extract


Frequency
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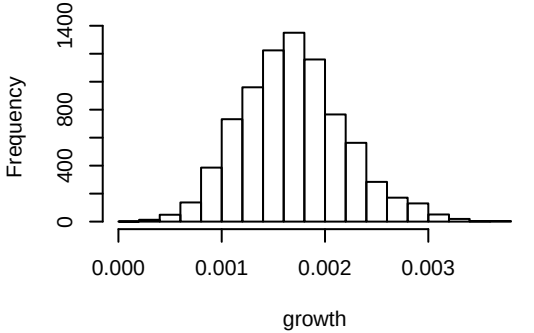
senescence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0.002
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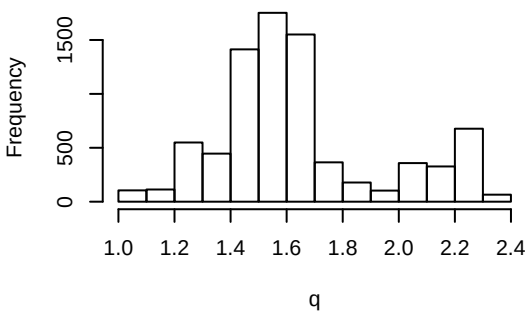
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2.2
2.4
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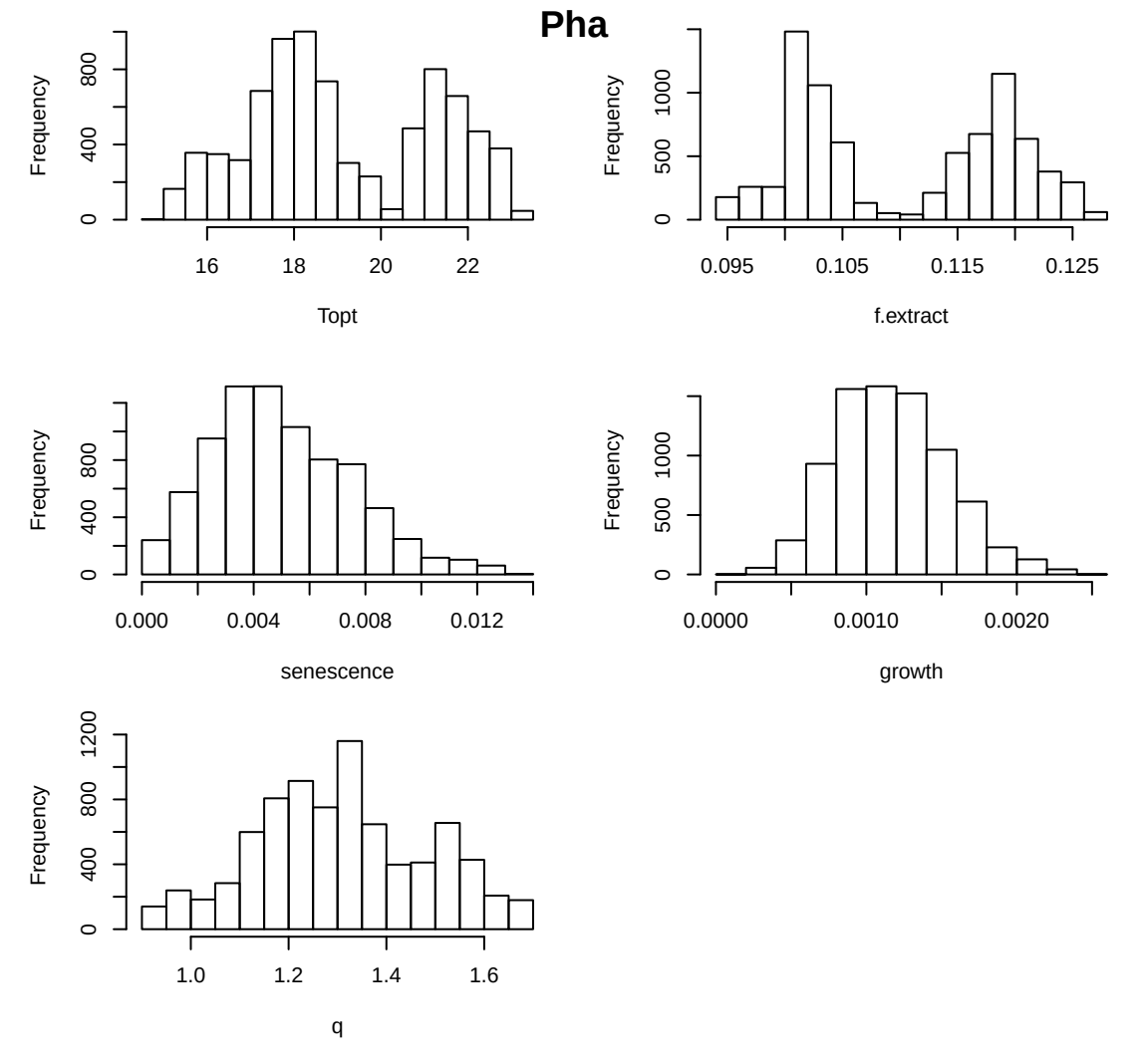
Pha
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20
22
Topt
Frequency
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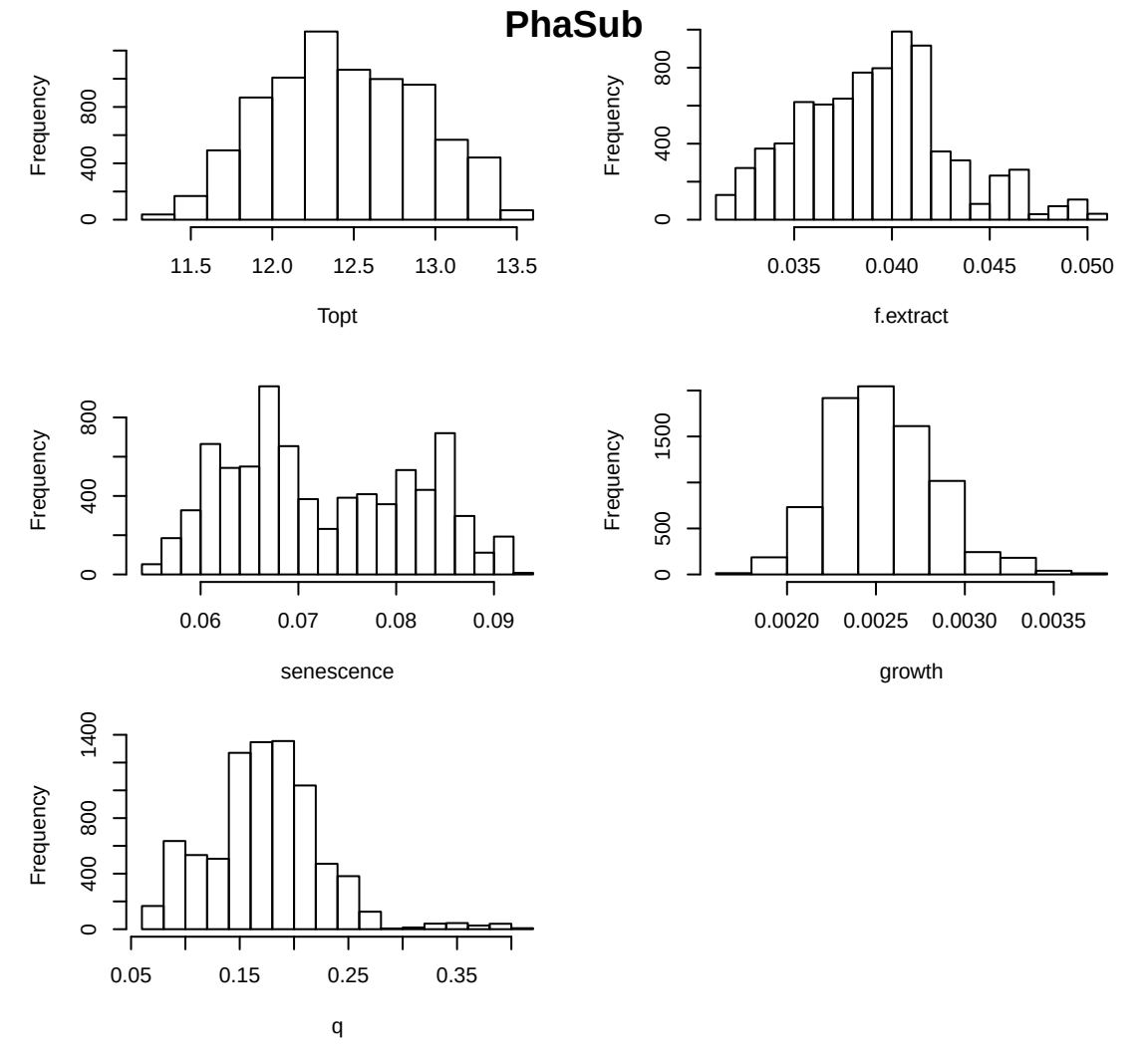
500
1000
0.095
0.105
0.115
0.125
f.extract
Frequency
0
400
800
0.000
0.004
0.008
0.012
senescence
Frequency
0
500
1000
0.0000
0.0010
0.0020
growth
Frequency
0
400
800
1200
1.0
1.2
1.4
1.6
q


PhaSub
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12.5
13.0
13.5
Topt
Frequency
0
400
800
0.035
0.040
0.045
0.050
f.extract
Frequency
0
400
800
0.06
0.07
0.08
0.09
senescence
Frequency
0
500
1500
0.0020
0.0025
0.0030
0.0035
growth
Frequency
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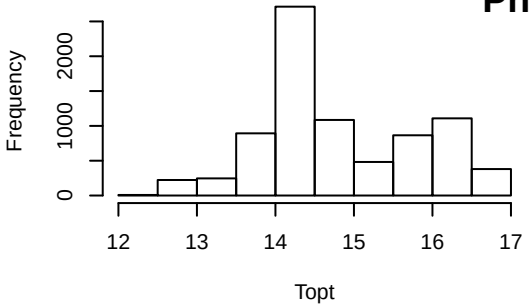
400
800
1400
0.05
0.15
0.25
0.35
q

PhaSub


Frequency
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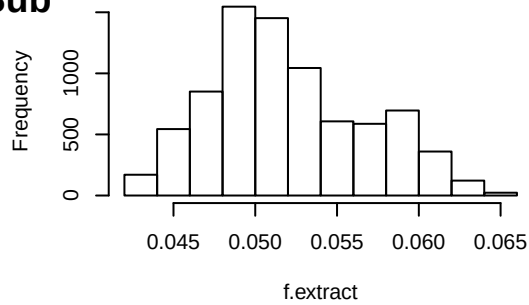
15
16
17
Topt


Frequency
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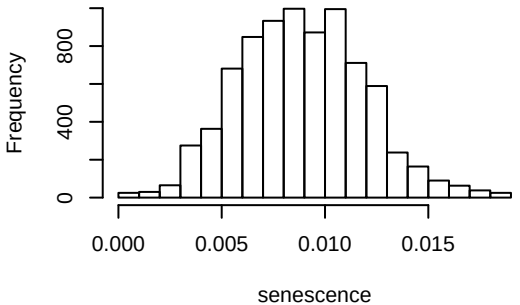
0.055
0.060
0.065
f.extract


Frequency
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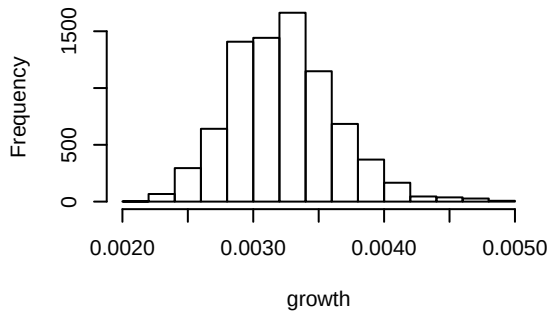
0.015
senescence


Frequency
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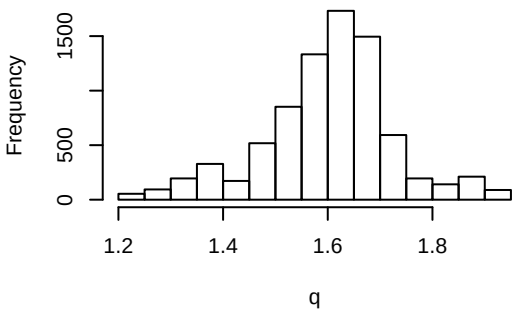
growth


Frequency
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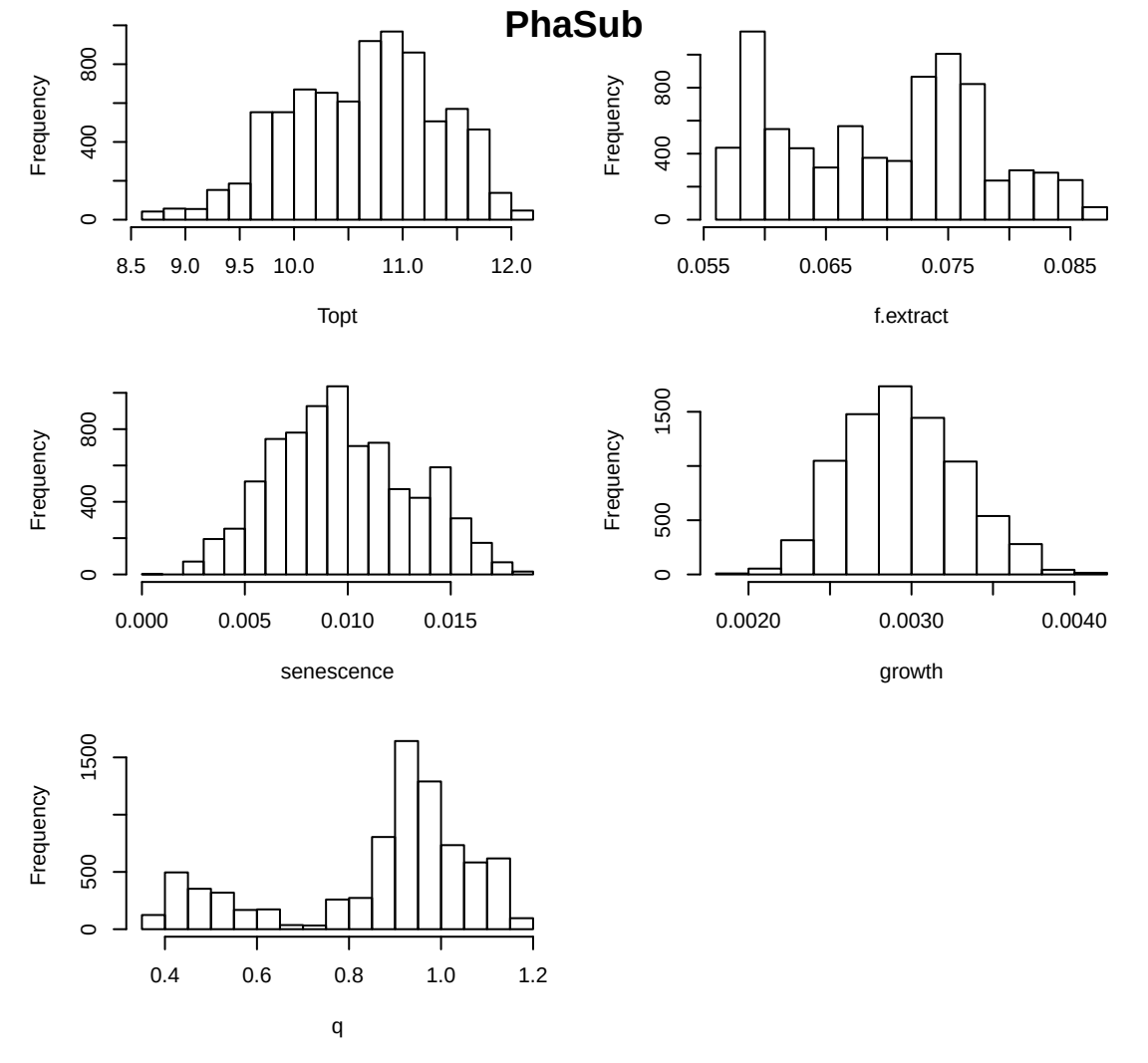
1500
1.2
1.4
1.6
1.8
q


PhaSub
Frequency
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9.0
9.5
10.0
11.0
12.0
Topt
Frequency
0
400
800
0.055
0.065
0.075
0.085
f.extract
Frequency
0
400
800
0.000
0.005
0.010
0.015
senescence
Frequency
0
500
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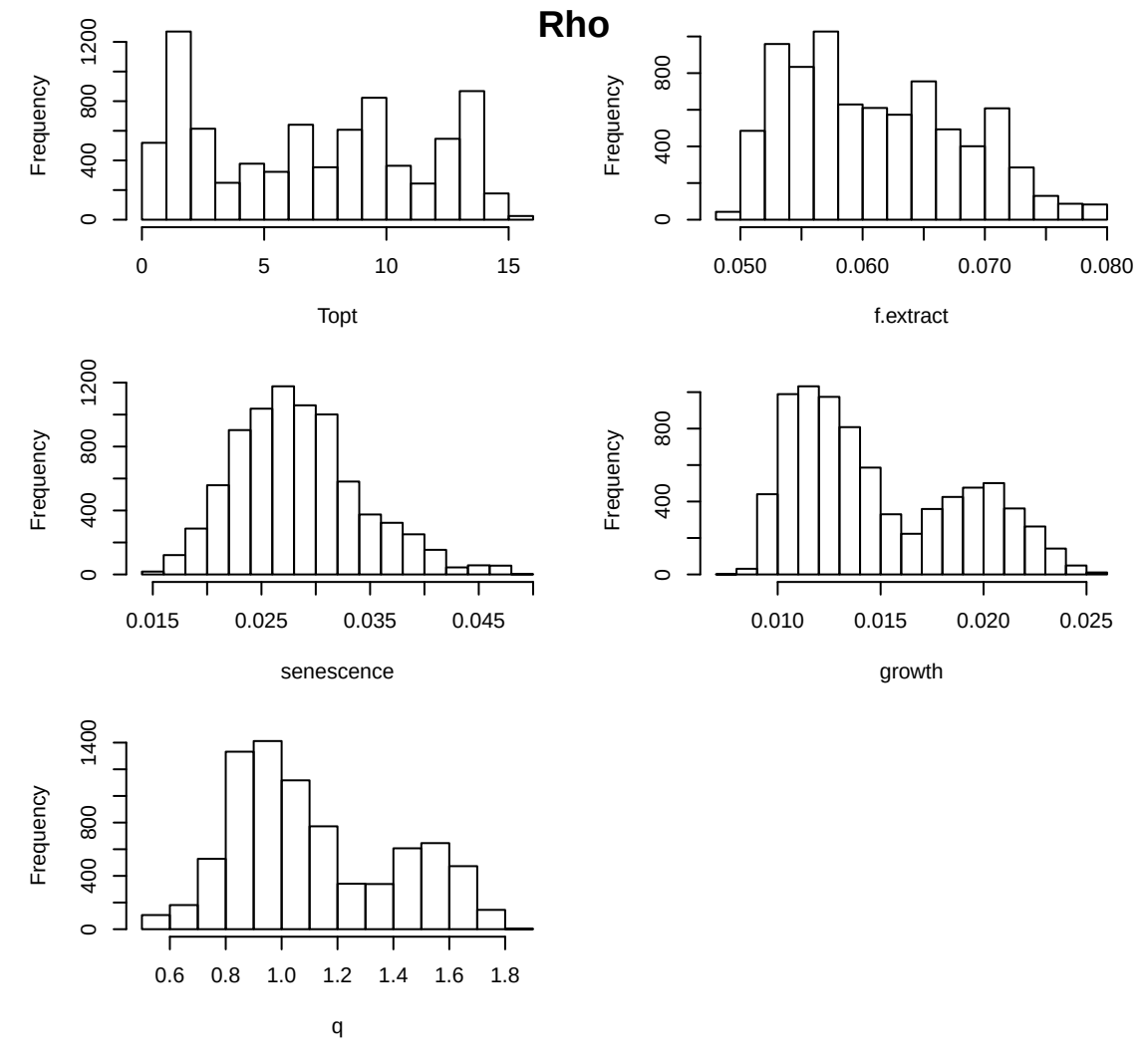
0.0040
growth
Frequency
0
500
1500
0.4
0.6
0.8
1.0
1.2
q


Rho
Frequency
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1200
0
5
10
15
Topt
Frequency
0
400
800
0.050
0.060
0.070
0.080
f.extract
Frequency
0
400
800
1200
0.015
0.025
0.035
0.045
senescence
Frequency
0
400
800
0.010
0.015
0.020
0.025
growth
Frequency
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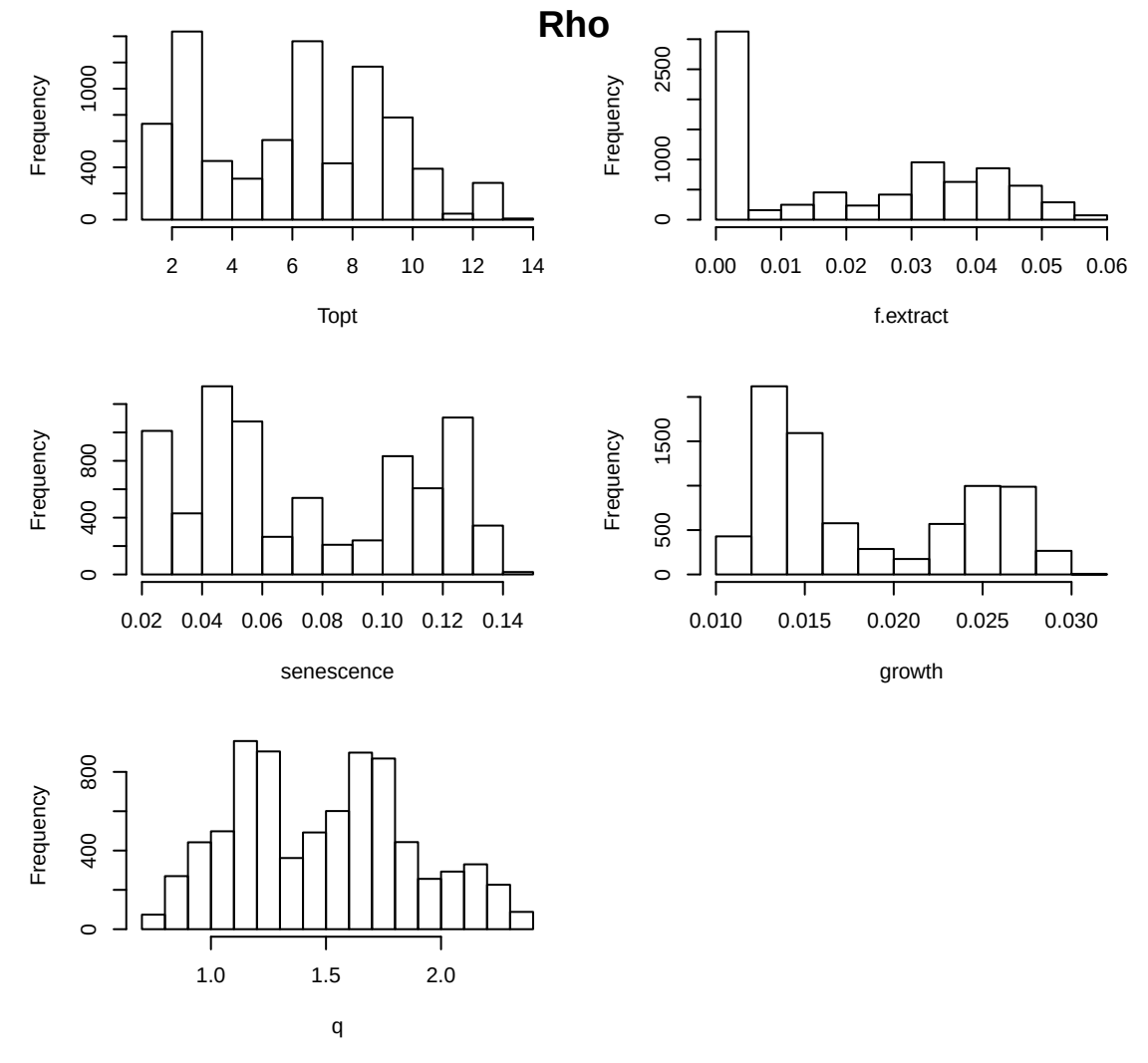
400
800
1400
0.6
0.8
1.0
1.2
1.4
1.6
1.8
q


Rho
Frequency
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400
1000
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4
6
8
10
12
14
Topt
Frequency
0
1000
2500
0.00
0.01
0.02
0.03
0.04
0.05
0.06
f.extract
Frequency
0
400
800
0.02
0.04
0.06
0.08
0.10
0.12
0.14
senescence
Frequency
0
500
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0.010
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0.020
0.025
0.030
growth
Frequency
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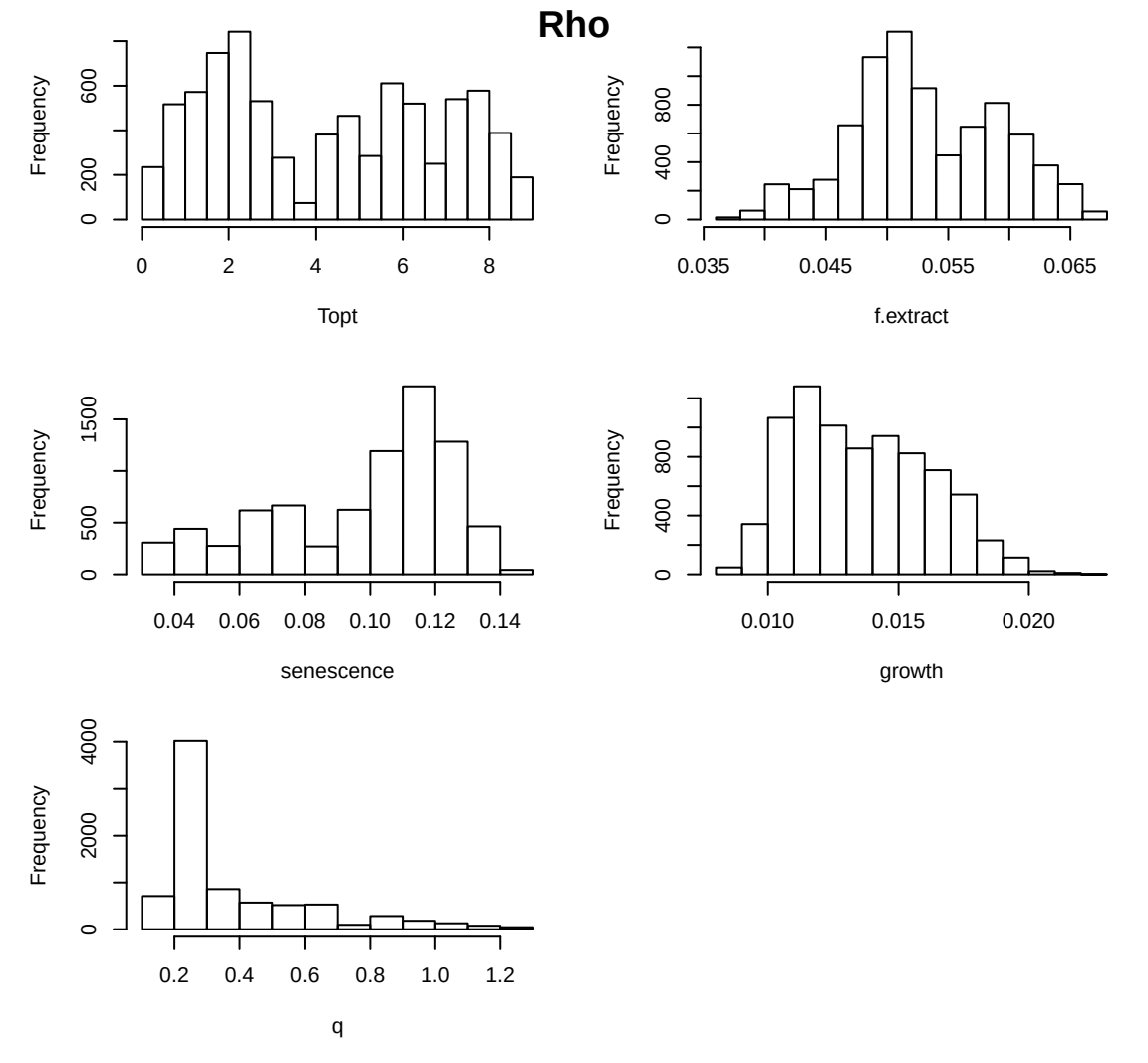
400
800
1.0
1.5
2.0
q


Rho
Frequency
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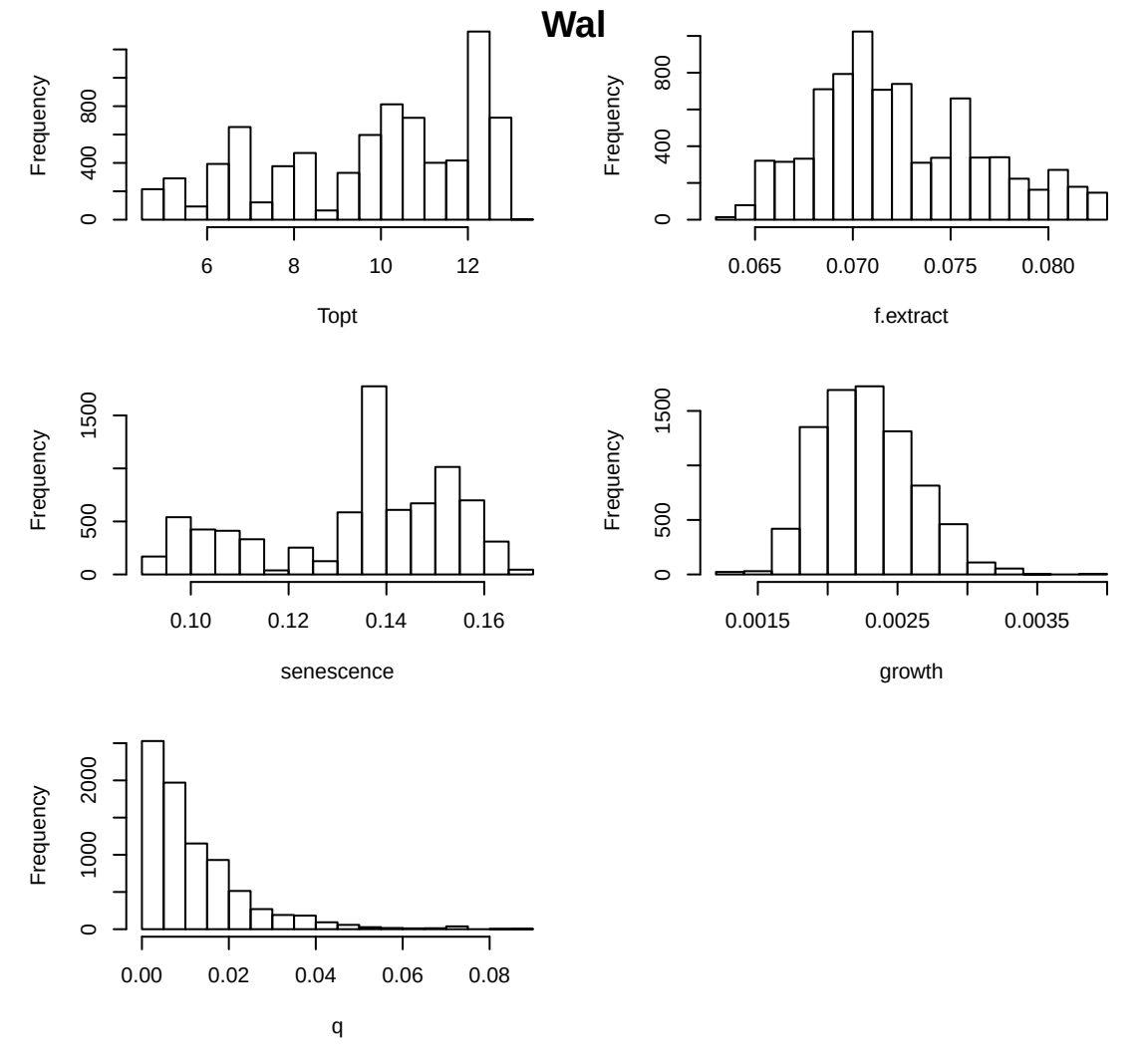
600
0
2
4
6
8
Topt
Frequency
0
400
800
0.035
0.045
0.055
0.065
f.extract
Frequency
0
500
1500
0.04
0.06
0.08
0.10
0.12
0.14
senescence
Frequency
0
400
800
0.010
0.015
0.020
growth
Frequency
0
2000
4000
0.2
0.4
0.6
0.8
1.0
1.2
q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12
Topt
Frequency
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0.070
0.075
0.080
f.extract
Frequency
0
500
1500
0.10
0.12
0.14
0.16
senescence
Frequency
0
500
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0.0035
growth
Frequency
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2000
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0.02
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0.06
0.08
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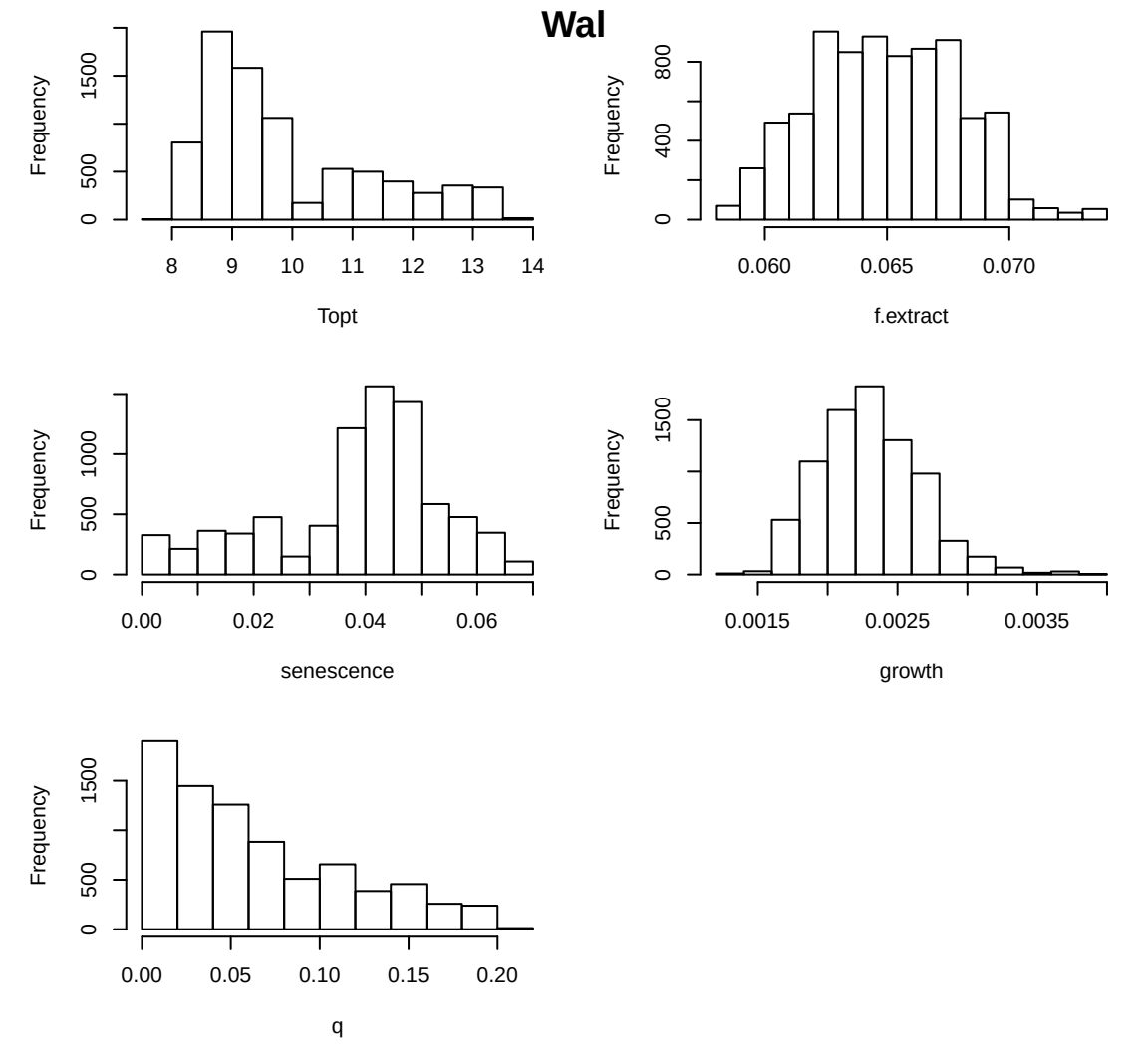
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0.065
0.070
f.extract
Frequency
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500
1000
0.00
0.02
0.04
0.06
senescence
Frequency
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0.0035
growth
Frequency
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0.05
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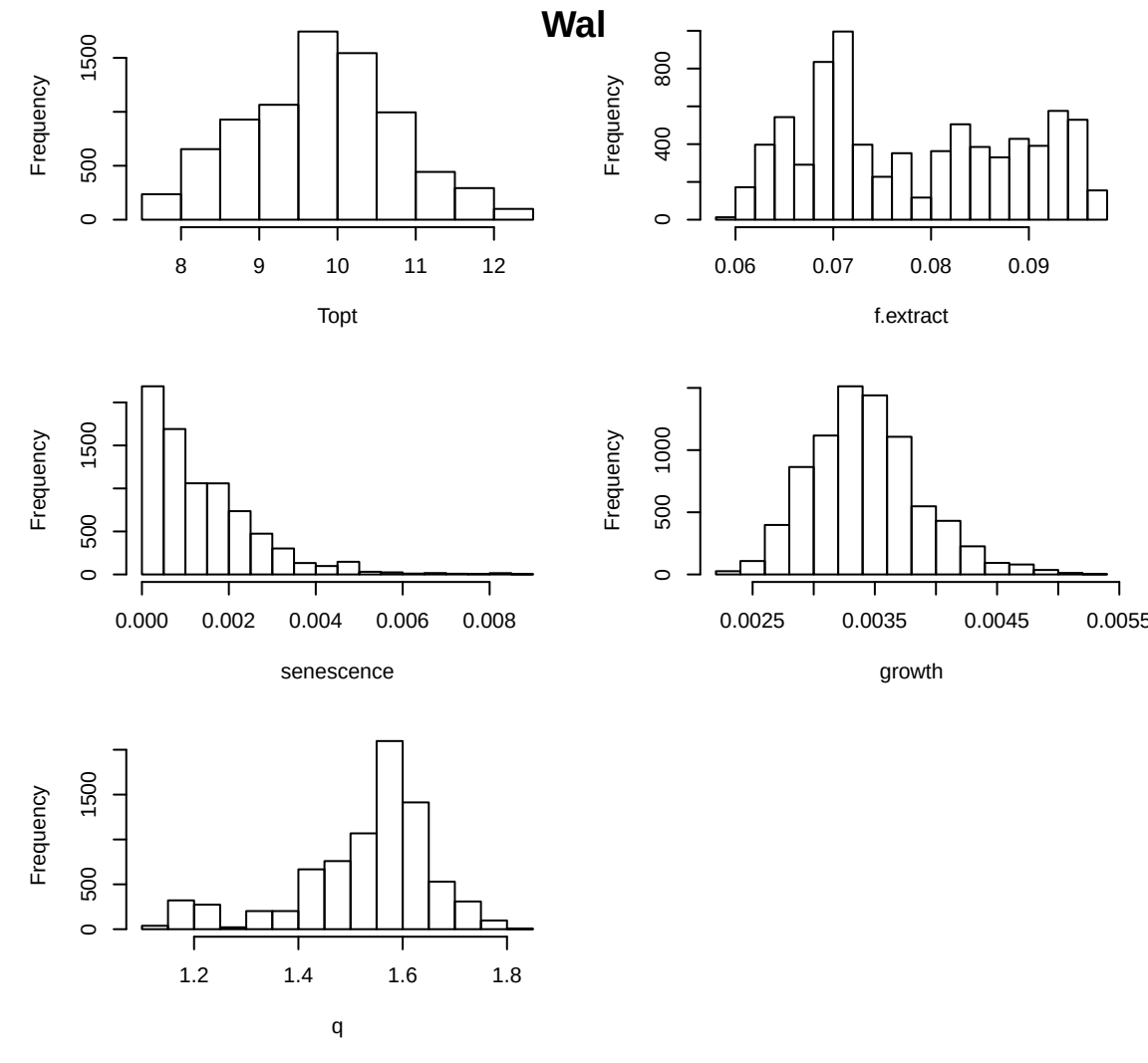
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0.09
f.extract
Frequency
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0.002
0.004
0.006
0.008
senescence
Frequency
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growth
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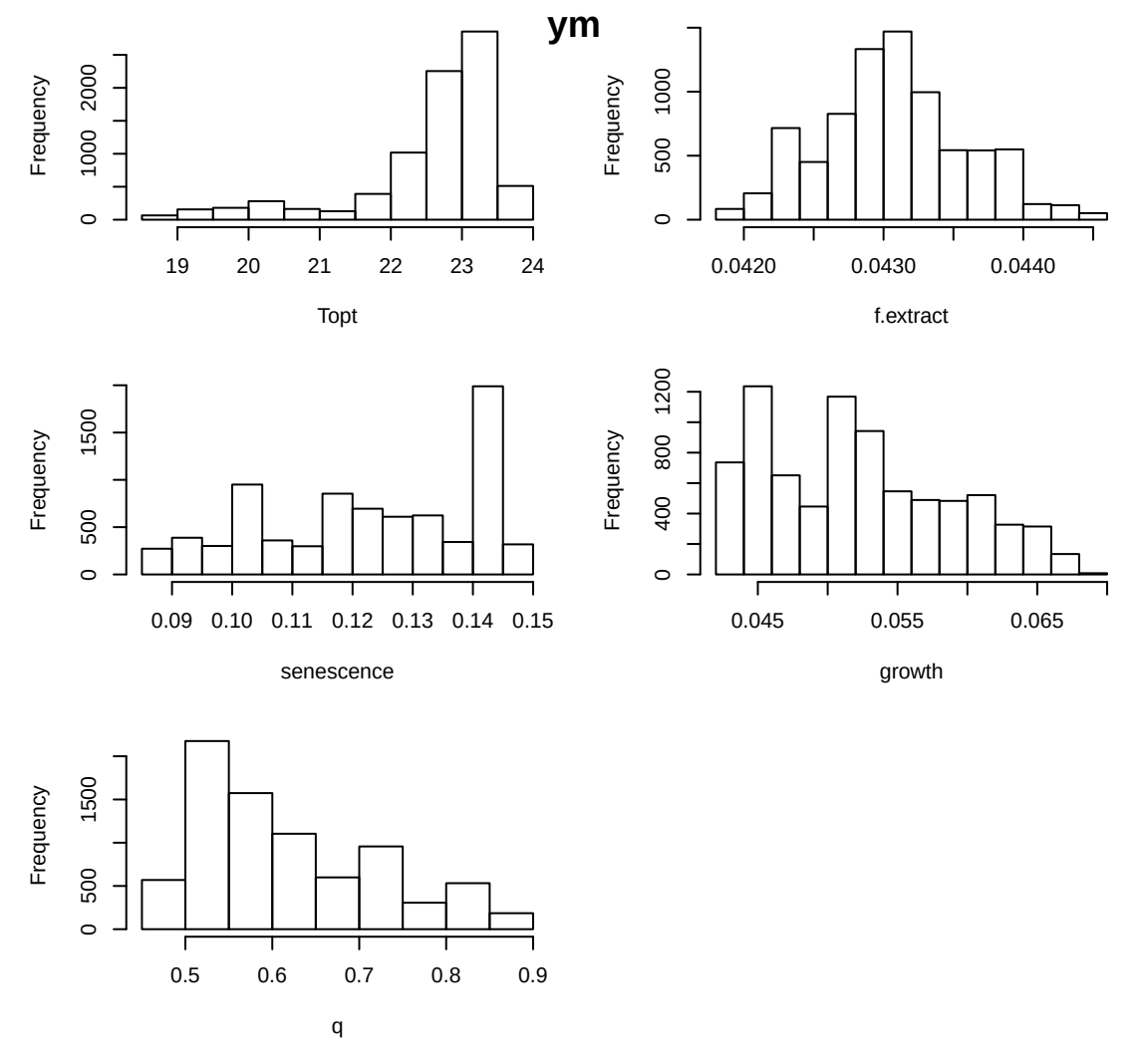
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Frequency
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1000
0.0420
0.0430
0.0440
f.extract
Frequency
0
500
1500
0.09
0.10
0.11
0.12
0.13
0.14
0.15
senescence
Frequency
0
400
800
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0.065
growth
Frequency
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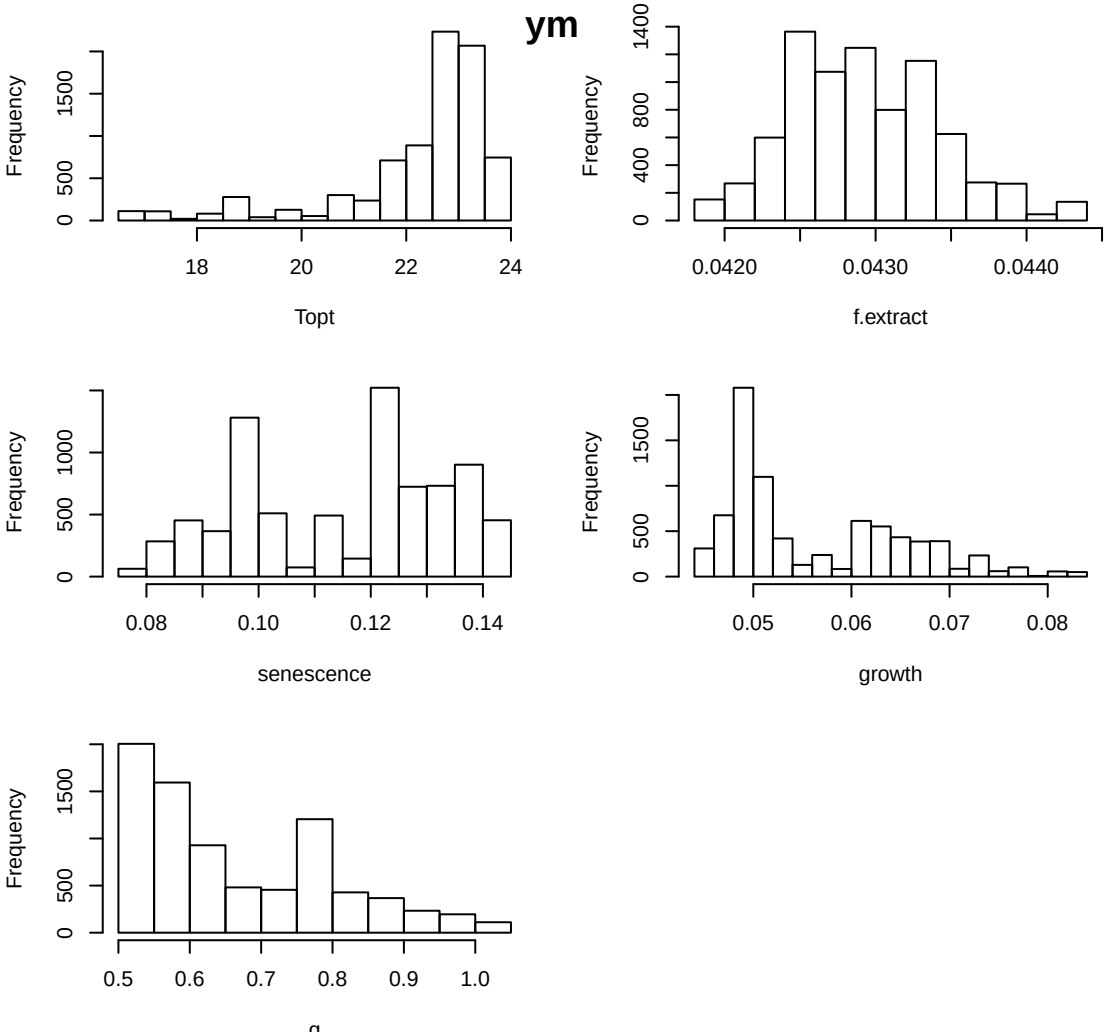
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Topt
Frequency
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0.0440
f.extract
Frequency
0
500
1000
0.08
0.10
0.12
0.14
senescence
Frequency
0
500
1500
0.05
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growth
Frequency
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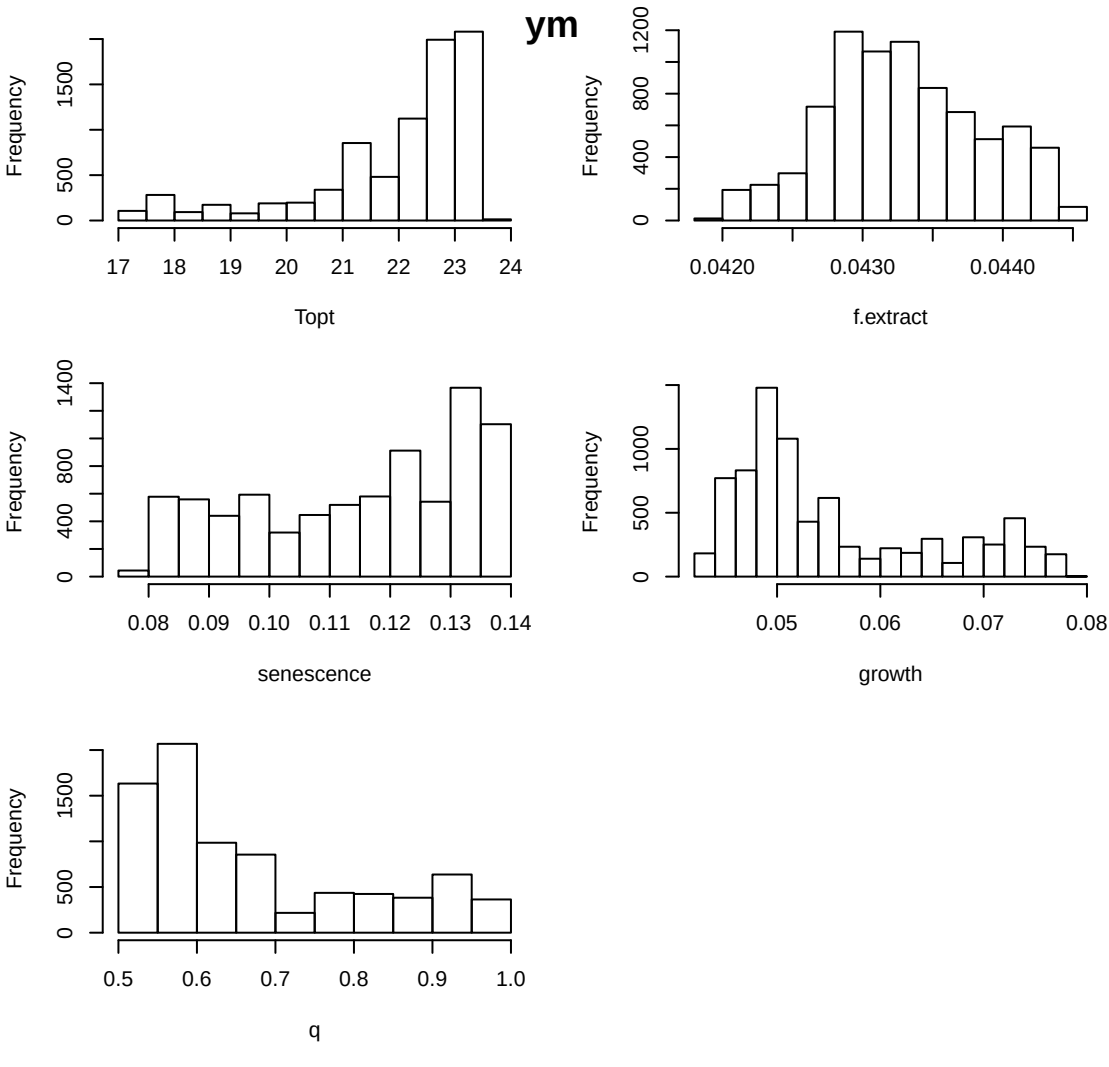
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Topt
Frequency
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1200
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0.0430
0.0440
f.extract
Frequency
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400
800
1400
0.08
0.09
0.10
0.11
0.12
0.13
0.14
senescence
Frequency
0
500
1000
0.05
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growth
Frequency
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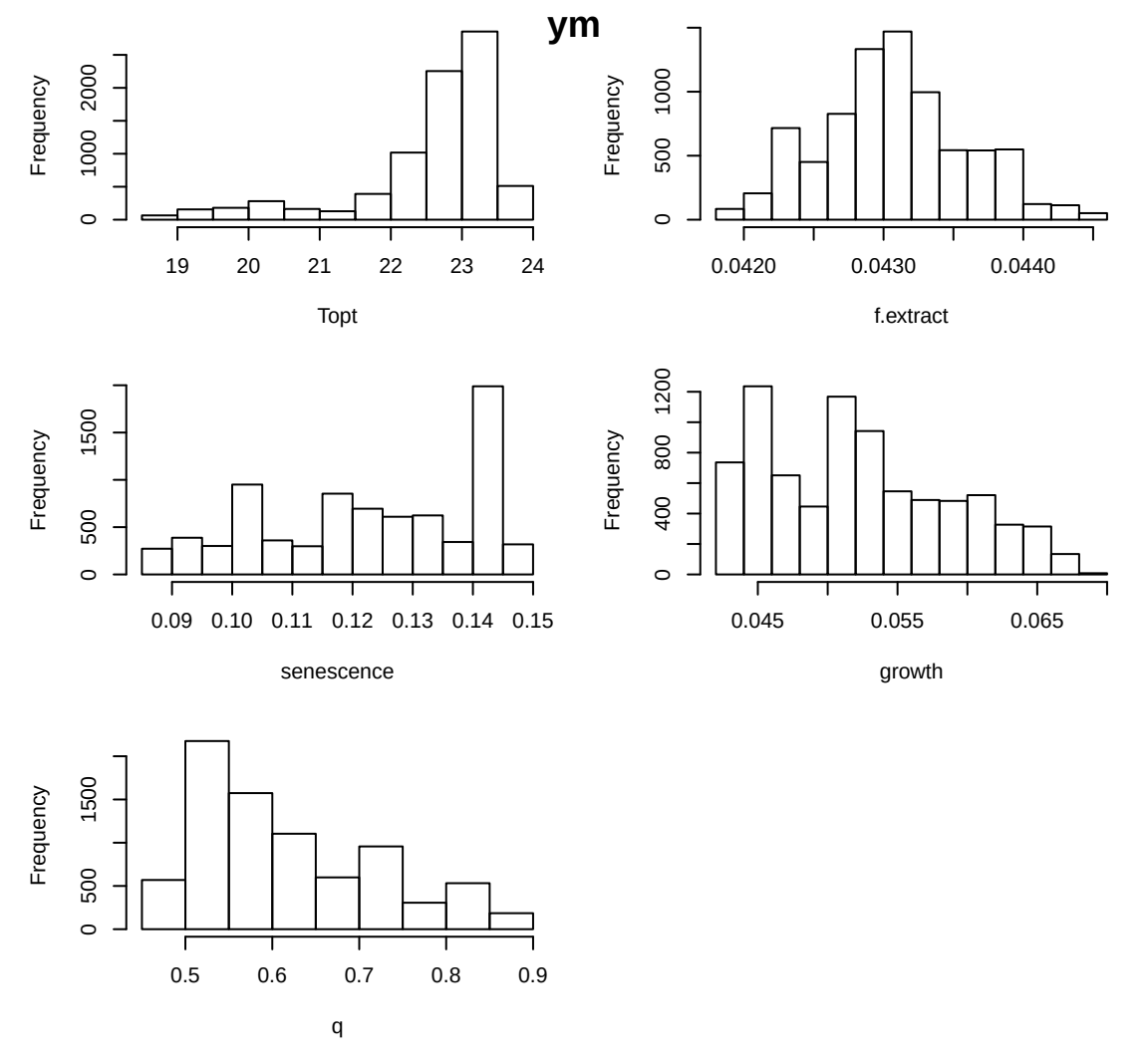
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Topt
Frequency
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500
1000
0.0420
0.0430
0.0440
f.extract
Frequency
0
500
1500
0.09
0.10
0.11
0.12
0.13
0.14
0.15
senescence
Frequency
0
400
800
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0.055
0.065
growth
Frequency
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1500
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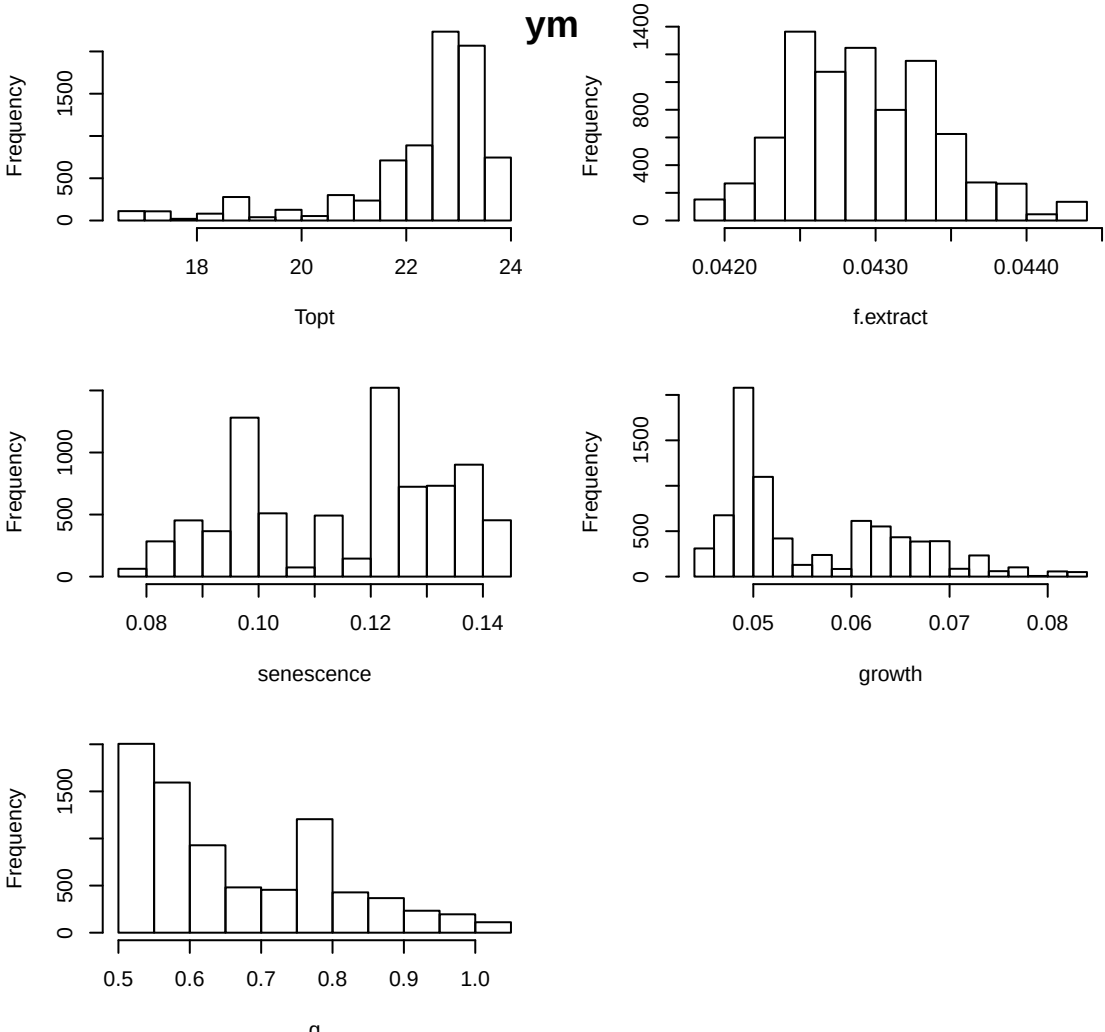
0.8
0.9
q


ym
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Topt
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f.extract
Frequency
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500
1000
0.08
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0.12
0.14
senescence
Frequency
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500
1500
0.05
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growth
Frequency
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0.7
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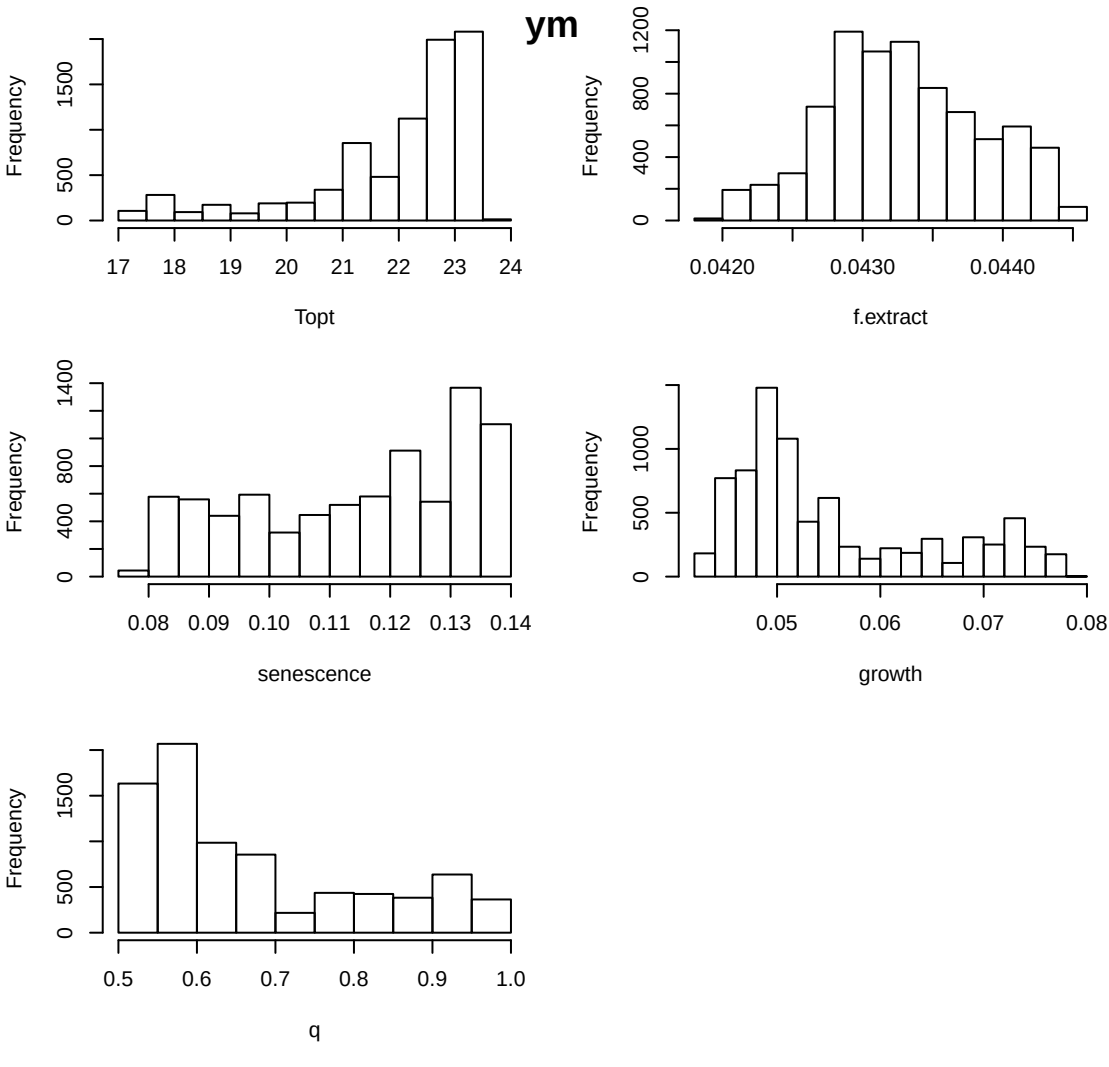
0.9
1.0
q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Topt
Frequency
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0.0440
f.extract
Frequency
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0.11
0.12
0.13
0.14
senescence
Frequency
0
500
1000
0.05
0.06
0.07
0.08
growth
Frequency
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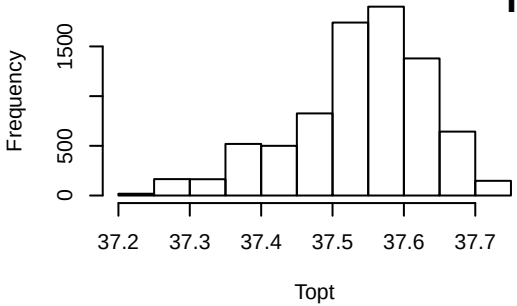
1500
0.5
0.6
0.7
0.8
0.9
1.0
q

INGE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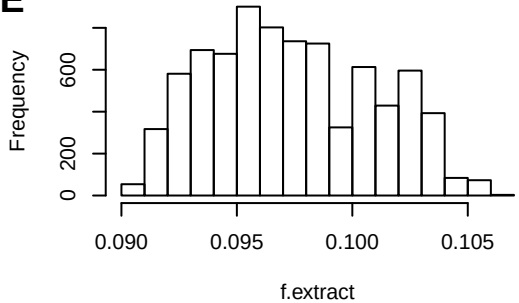
Topt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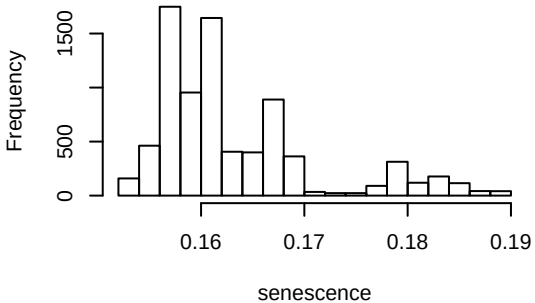
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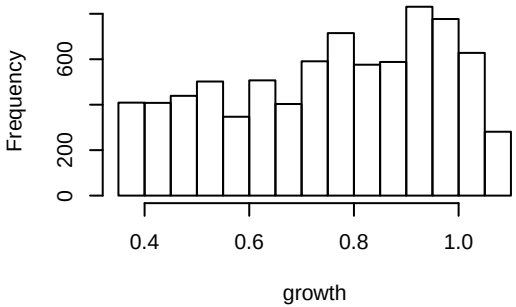
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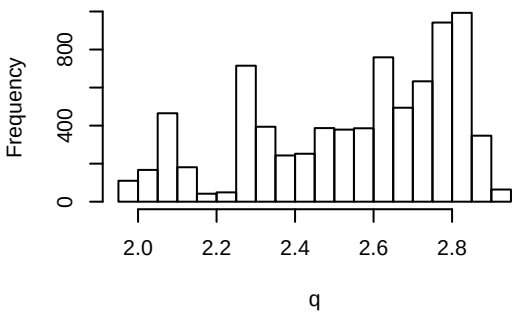
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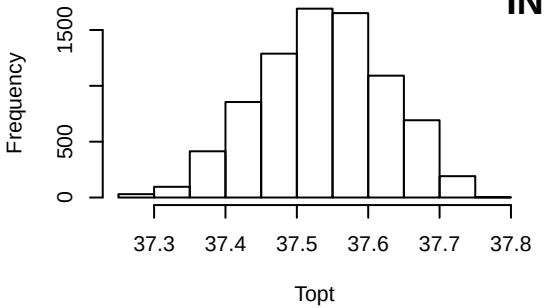
2.8
q

INGE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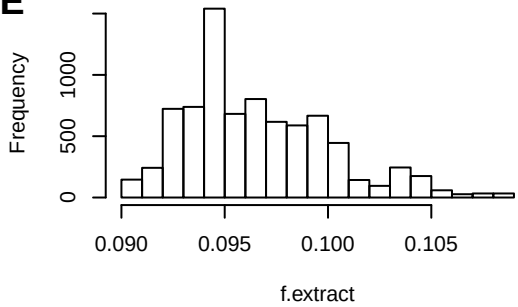
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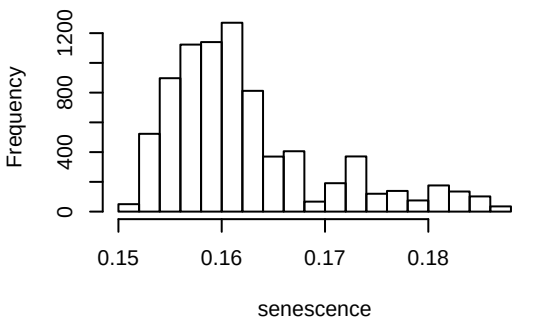
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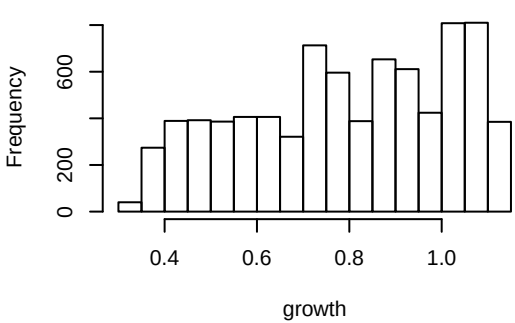
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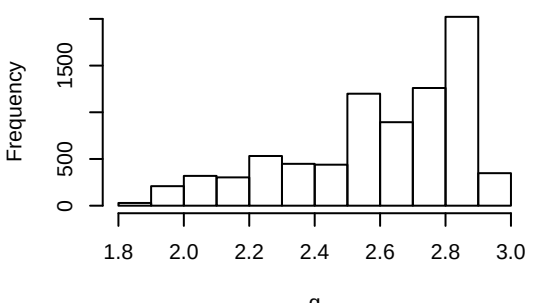
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2.8
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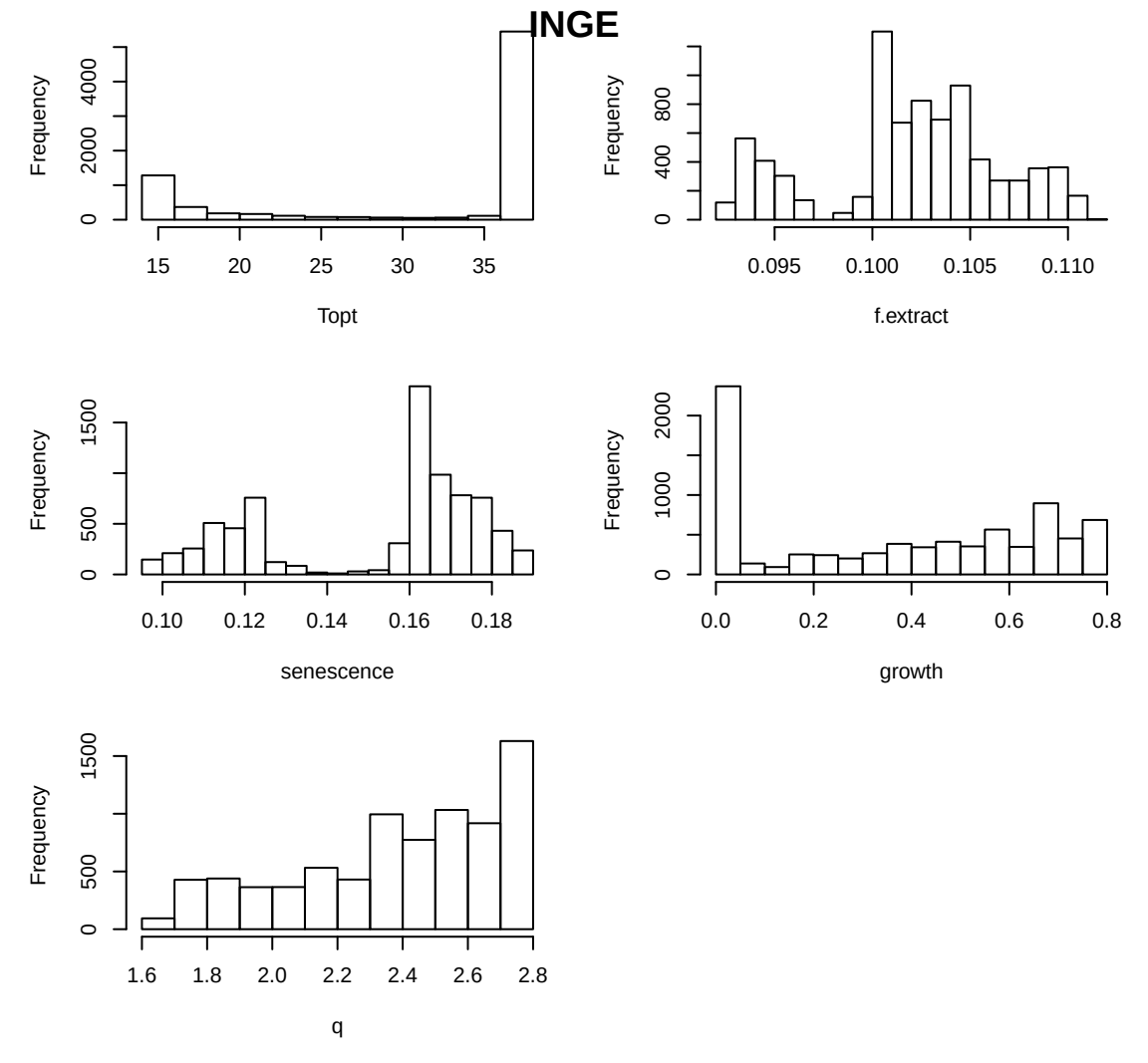
INGE
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Frequency
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0.105
0.110
f.extract
Frequency
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1500
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0.14
0.16
0.18
senescence
Frequency
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1000
2000
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0.2
0.4
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Frequency
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1.8
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2.8
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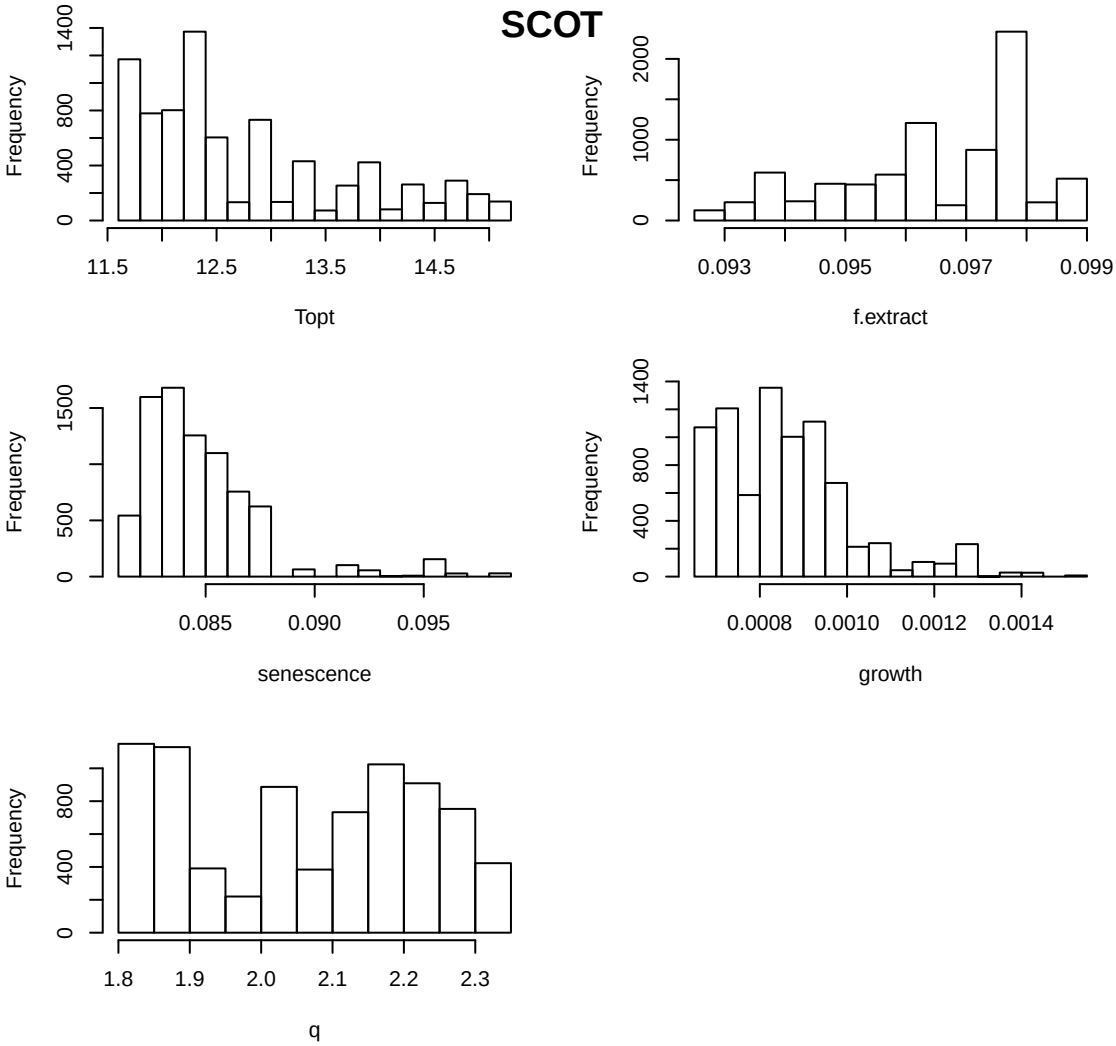
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Frequency
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0.095
0.097
0.099
f.extract
Frequency
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500
1500
0.085
0.090
0.095
senescence
Frequency
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400
800
1400
0.0008
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growth
Frequency
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2.3
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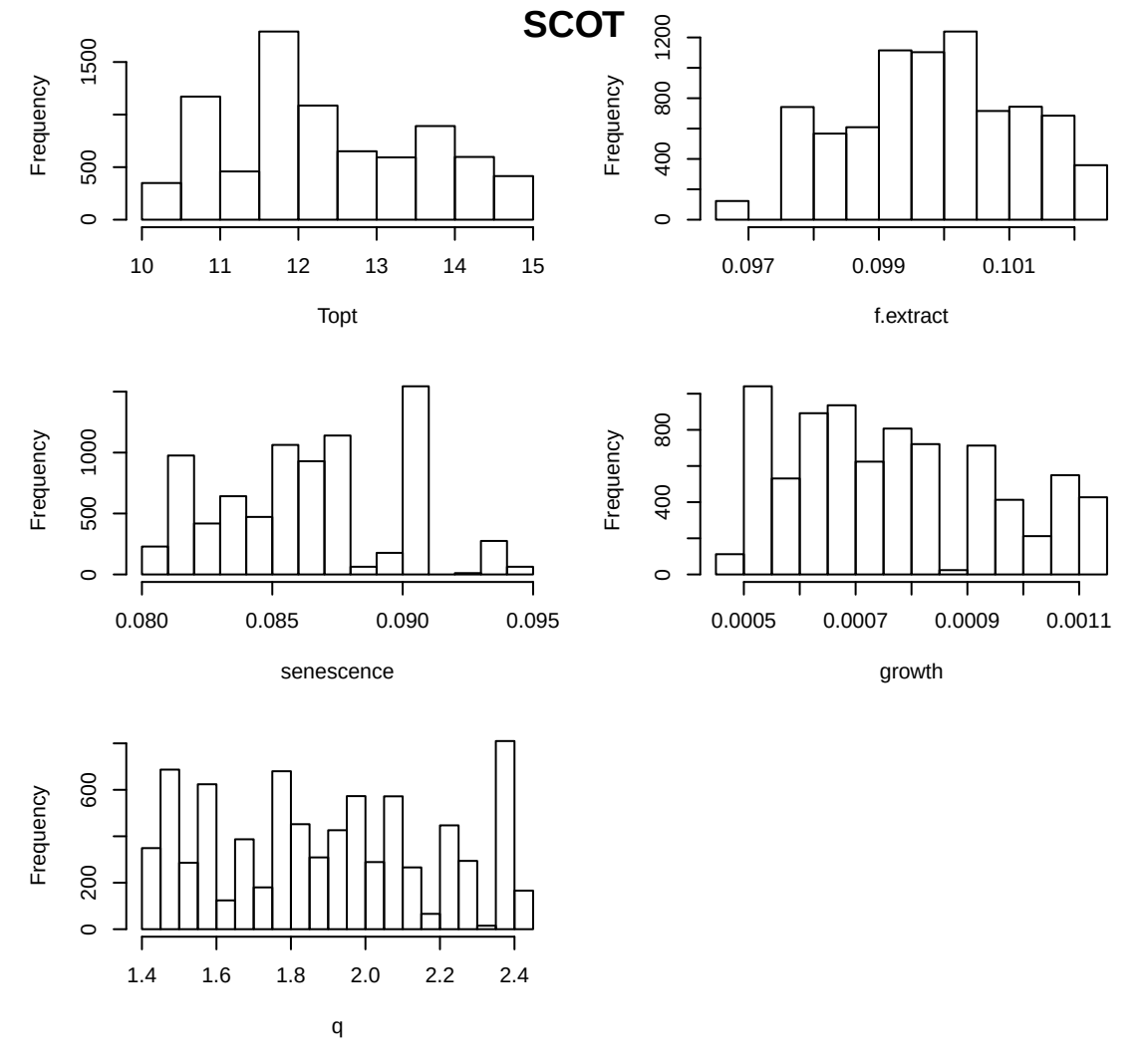
SCOT
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15
Topt
Frequency
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400
800
1200
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0.099
0.101
f.extract
Frequency
0
500
1000
0.080
0.085
0.090
0.095
senescence
Frequency
0
400
800
0.0005
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growth
Frequency
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1.4
1.6
1.8
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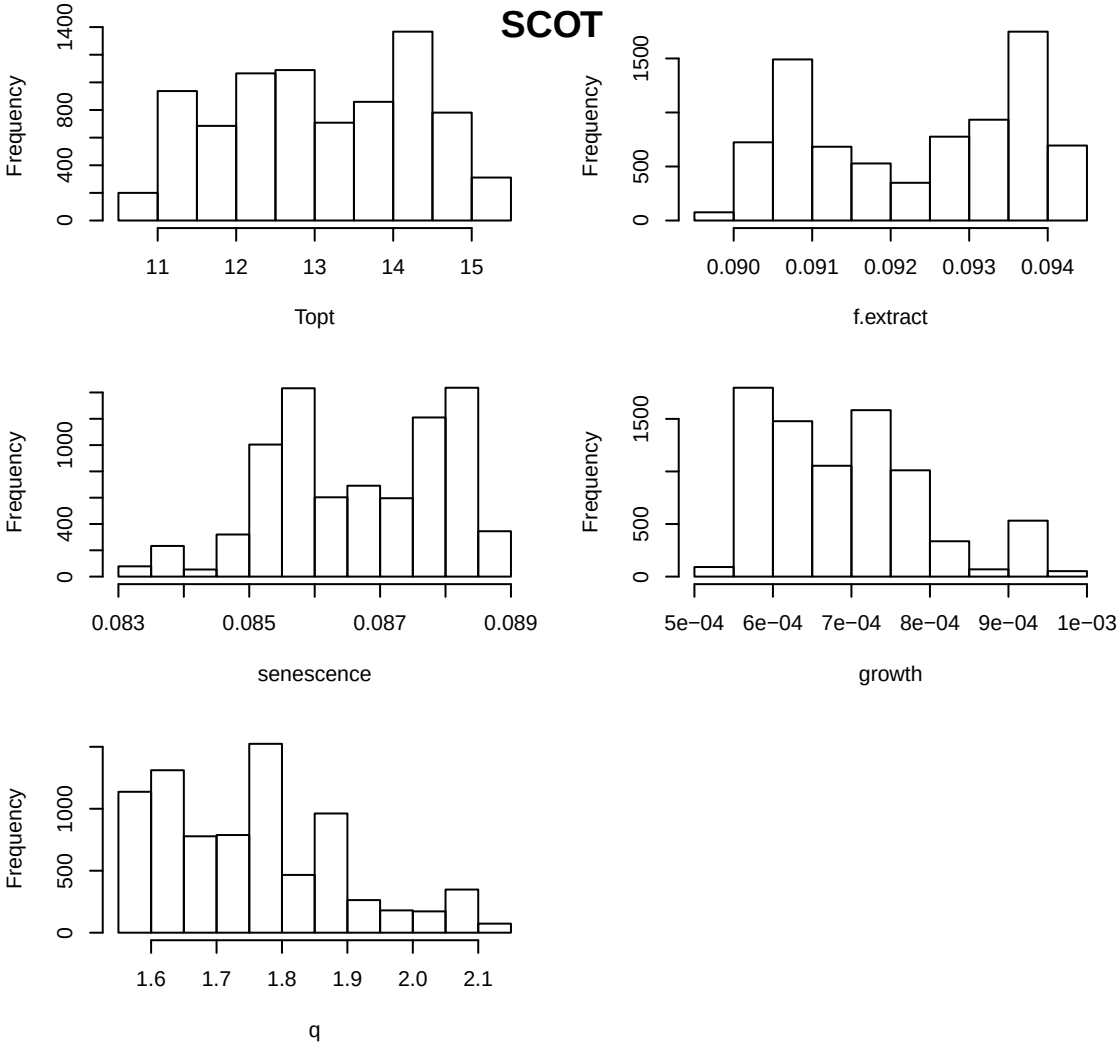
2.2
2.4
q


SCOT
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Topt
Frequency
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1500
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0.091
0.092
0.093
0.094
f.extract
Frequency
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400
1000
0.083
0.085
0.087
0.089
senescence
Frequency
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500
1500
5e−04
6e−04
7e−04
8e−04
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1e−03
growth
Frequency
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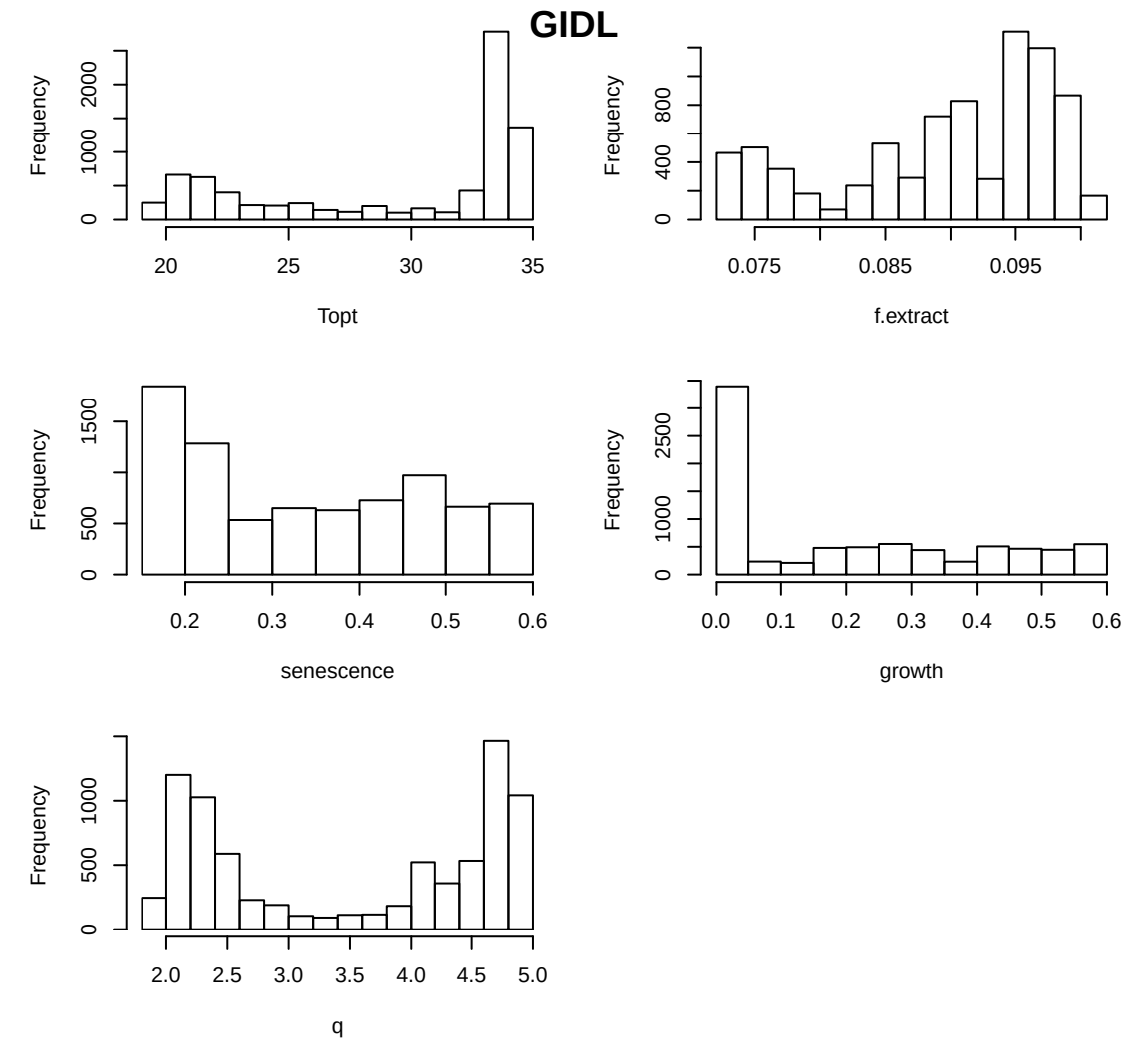
1.7
1.8
1.9
2.0
2.1
q


GIDL
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Topt
Frequency
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0.075
0.085
0.095
f.extract
Frequency
0
500
1500
0.2
0.3
0.4
0.5
0.6
senescence
Frequency
0
1000
2500
0.0
0.1
0.2
0.3
0.4
0.5
0.6
growth
Frequency
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2.5
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3.5
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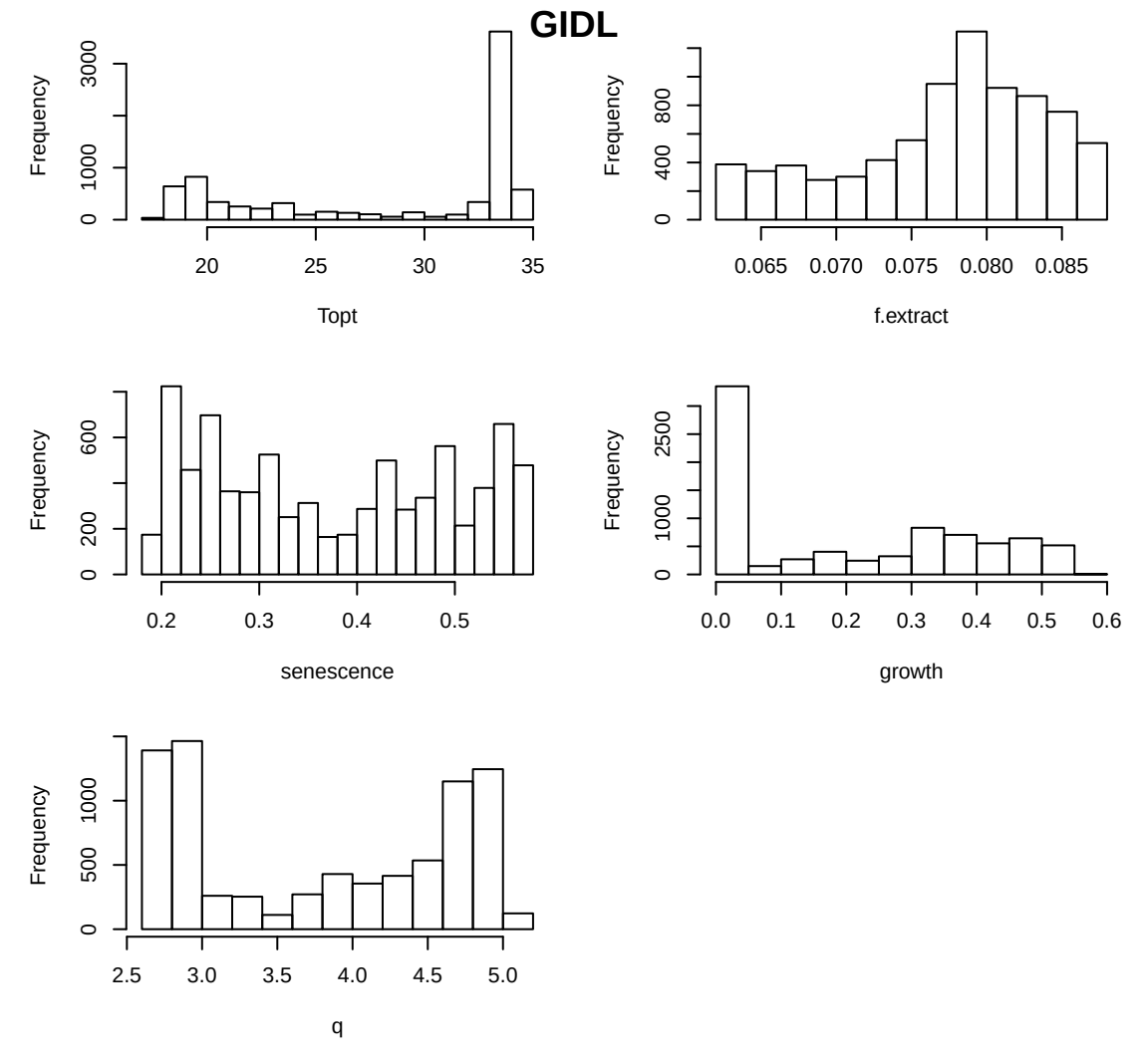
5.0
q


GIDL
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Topt
Frequency
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0.065
0.070
0.075
0.080
0.085
f.extract
Frequency
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200
600
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0.4
0.5
senescence
Frequency
0
1000
2500
0.0
0.1
0.2
0.3
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growth
Frequency
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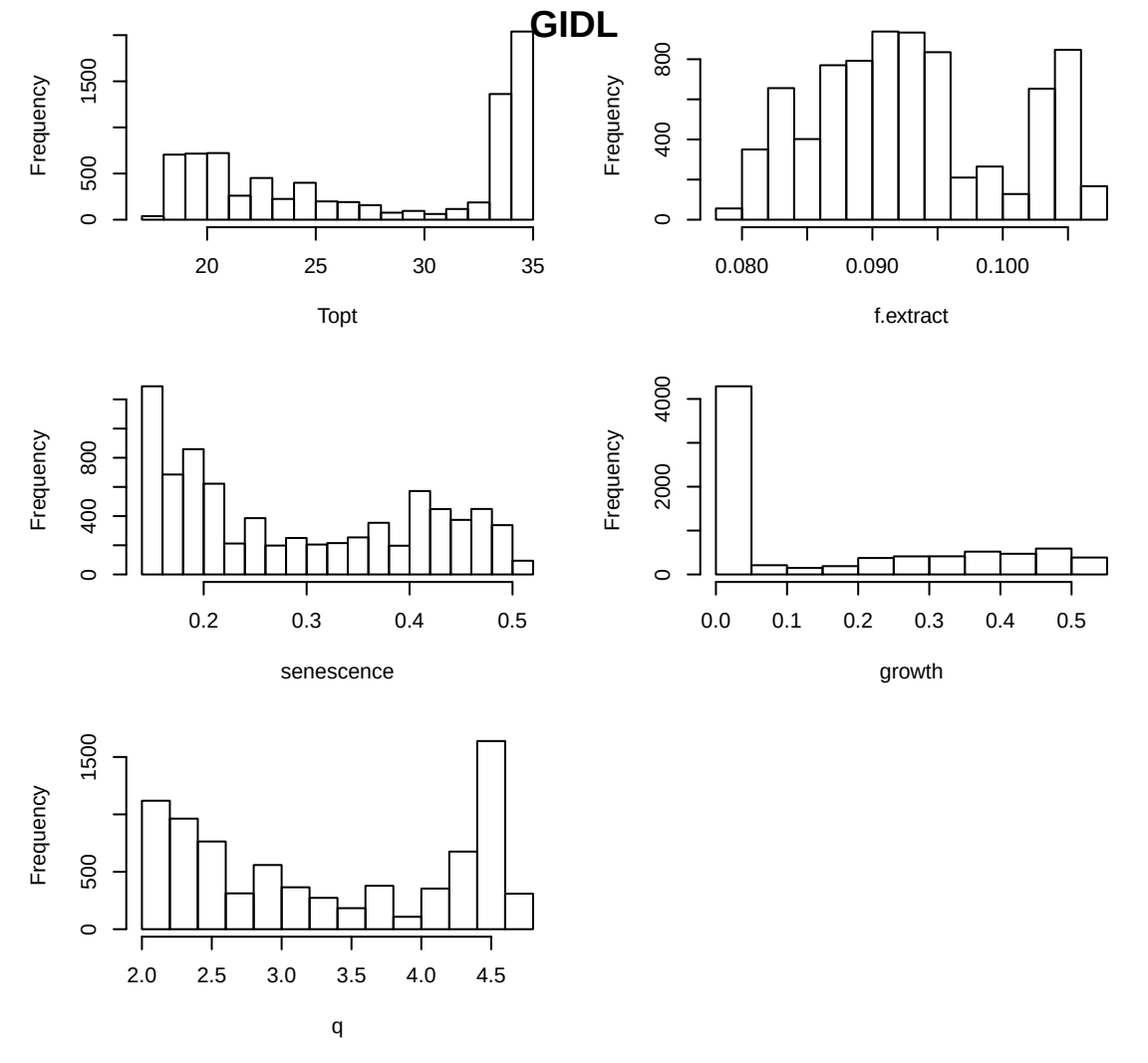
GIDL
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Topt
Frequency
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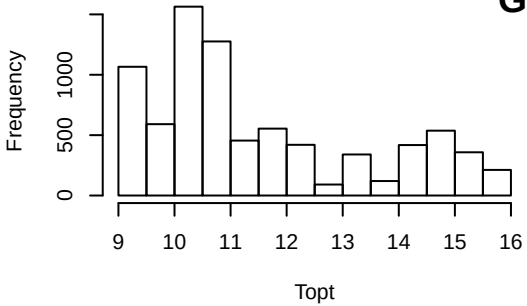
0.080
0.090
0.100
f.extract
Frequency
0
400
800
0.2
0.3
0.4
0.5
senescence
Frequency
0
2000
4000
0.0
0.1
0.2
0.3
0.4
0.5
growth
Frequency
0
500
1500
2.0
2.5
3.0
3.5
4.0
4.5
q

GUNE


Frequency
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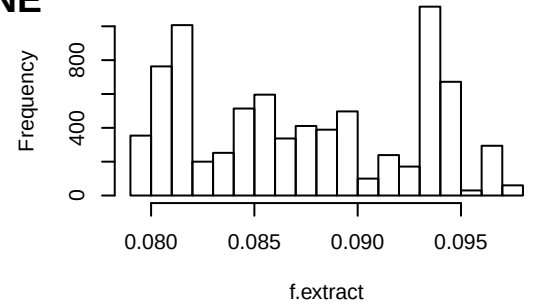
16
Topt


Frequency
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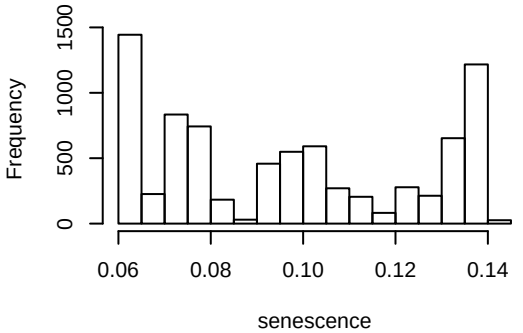
f.extract


Frequency
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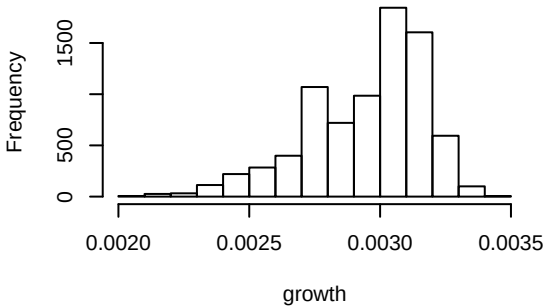
senescence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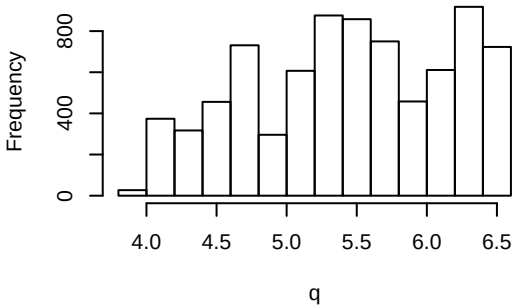
growth


Frequency
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4.0
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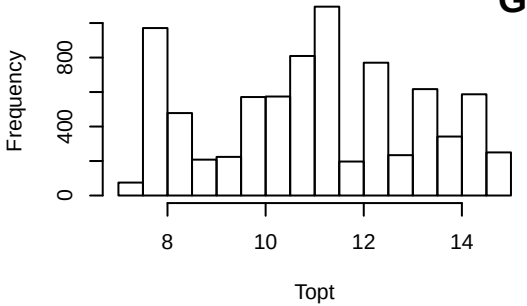
5.0
5.5
6.0
6.5
q

GUNE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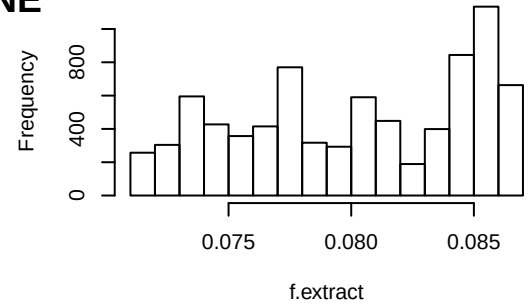
10
12
14
Topt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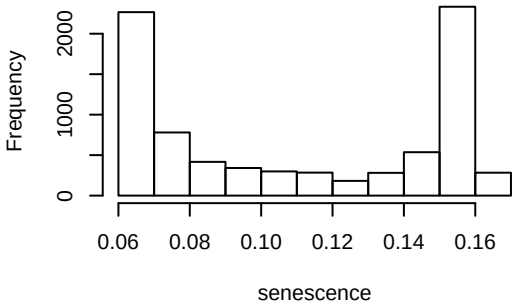
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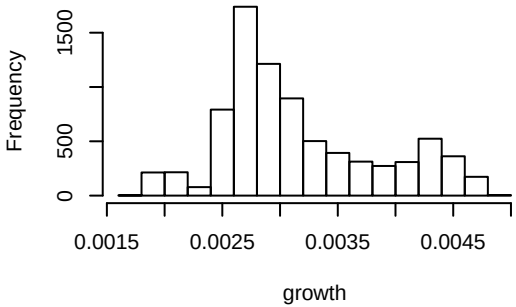
senescence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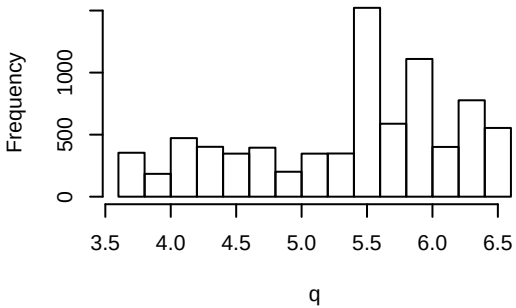
growth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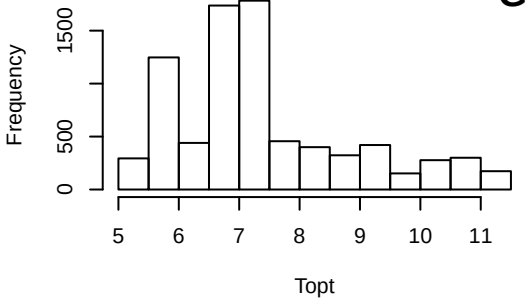
q

GUNE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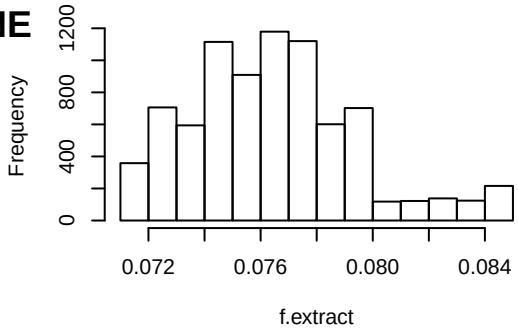
11
Topt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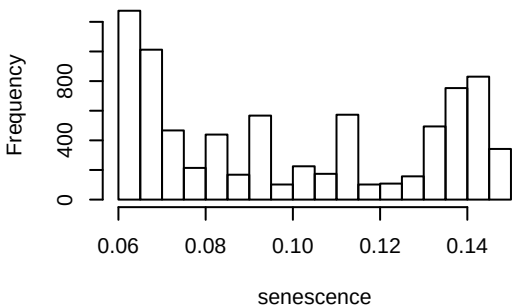
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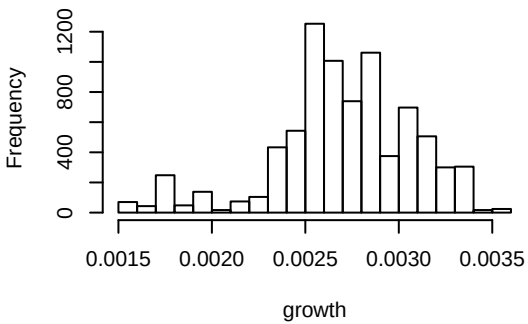
0.14
senescence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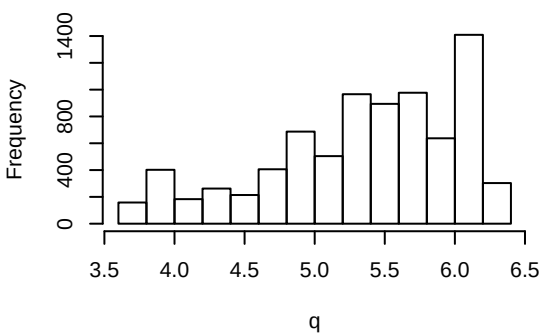
growth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1400
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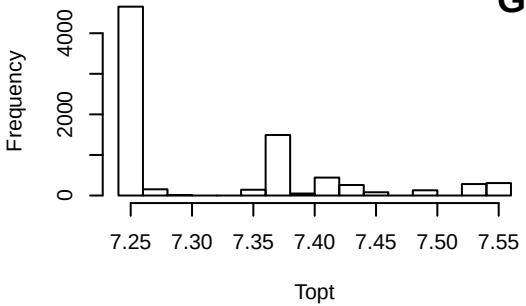
4.5
5.0
5.5
6.0
6.5
q

GUNN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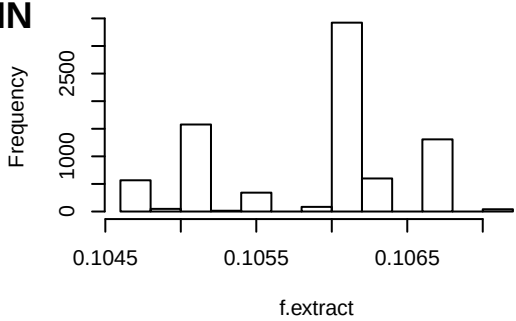
7.55
Topt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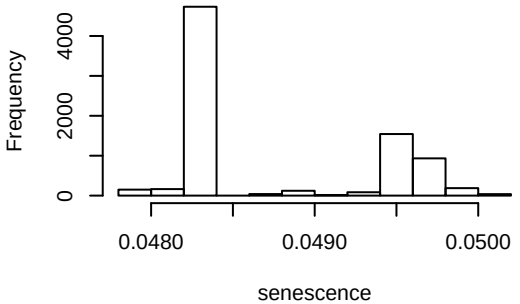
0.1065
f.extract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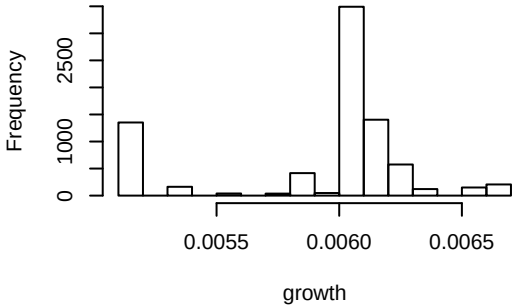
0.0500
senescence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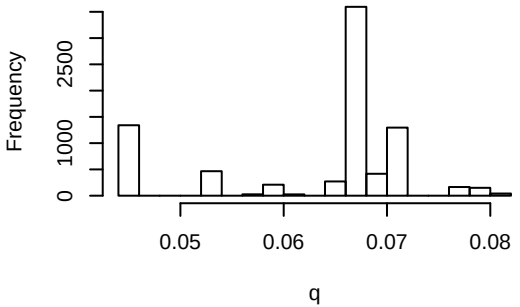
0.0060
0.0065
growth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2500
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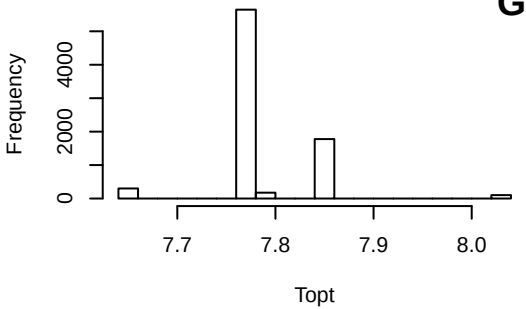
0.06
0.07
0.08
q

GUNN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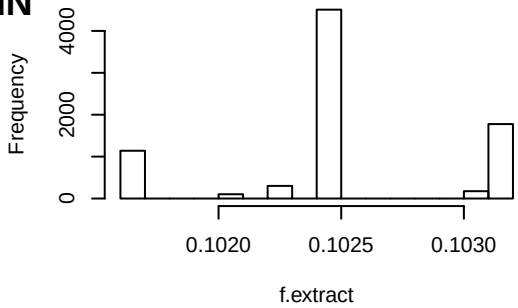
7.9
8.0
Topt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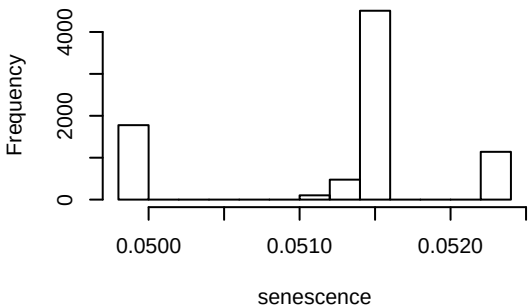
0.1030
f.extract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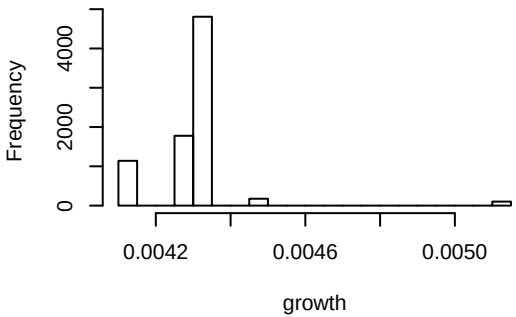
0.0520
senescence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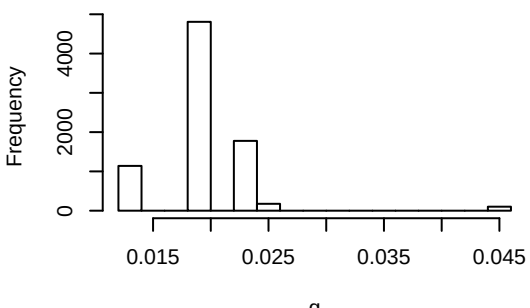
0.0050
growth


Frequency
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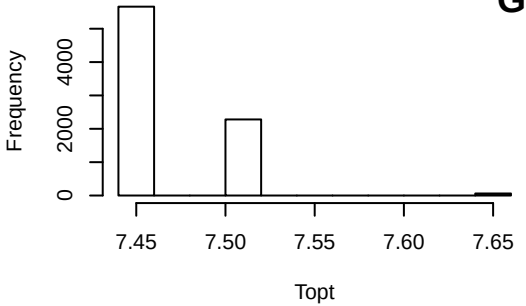
0.025
0.035
0.045
q

GUNN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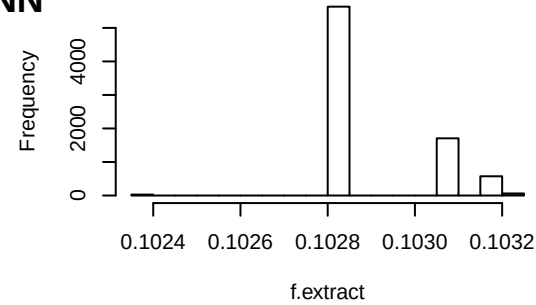
7.65
Topt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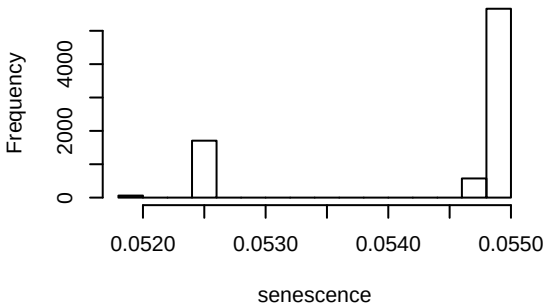
f.extract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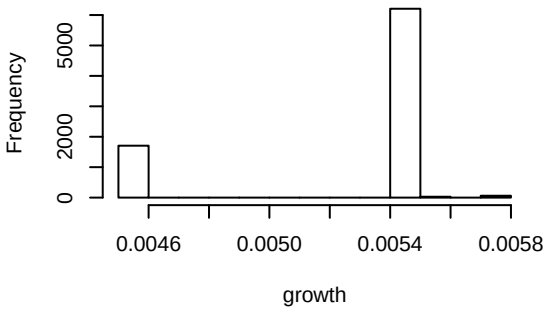
senescence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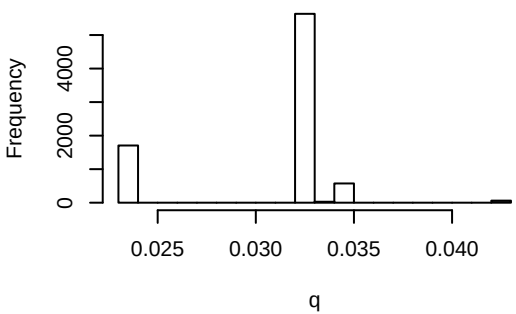
growth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0.040
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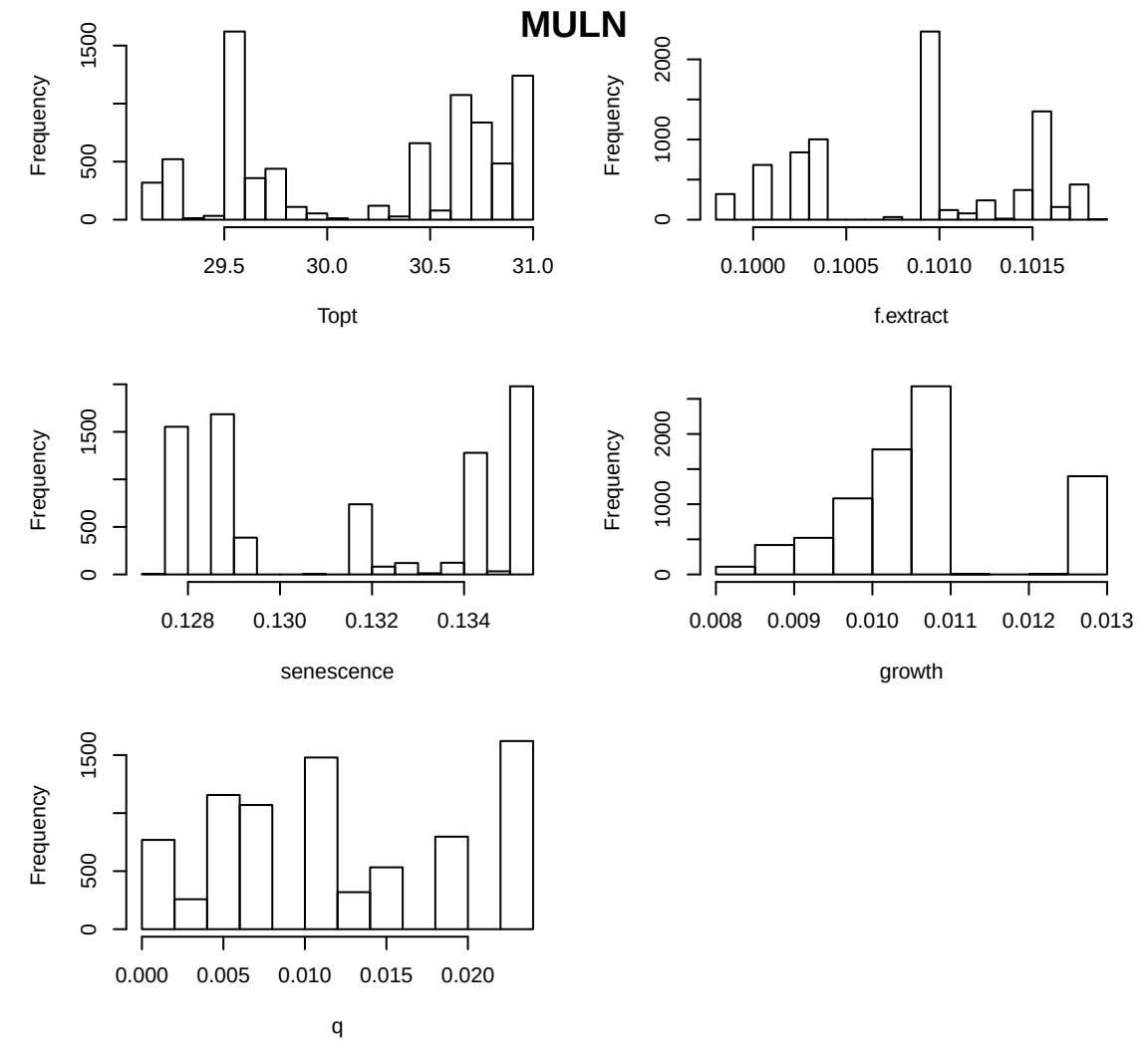
MULN
Frequency
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30.0
30.5
31.0
Topt
Frequency
0
1000
2000
0.1000
0.1005
0.1010
0.1015
f.extract
Frequency
0
500
1500
0.128
0.130
0.132
0.134
senescence
Frequency
0
1000
2000
0.008
0.009
0.010
0.011
0.012
0.013
growth
Frequency
0
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1500
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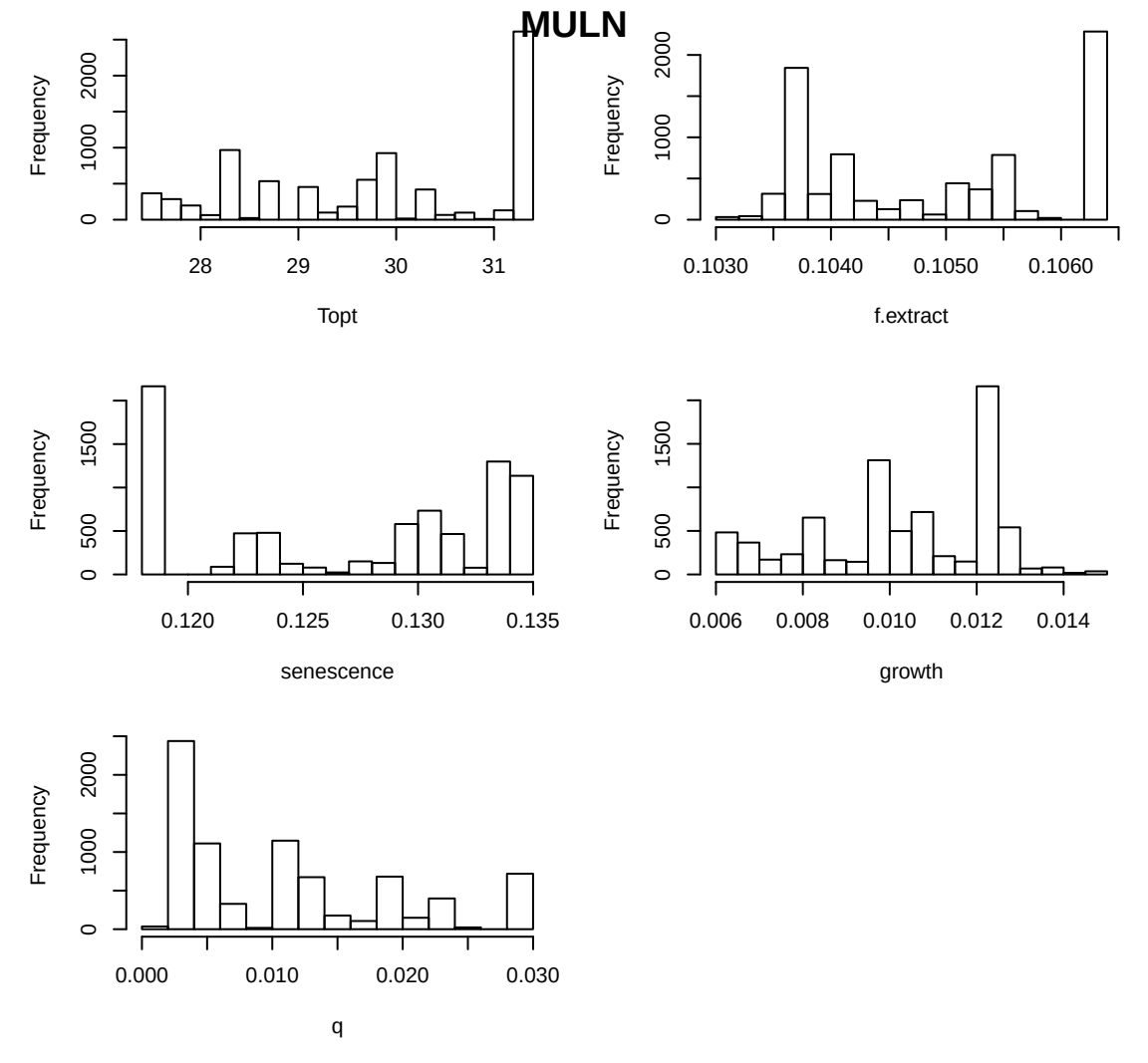
0.005
0.010
0.015
0.020
q


MULN
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2000
28
29
30
31
Topt
Frequency
0
1000
2000
0.1030
0.1040
0.1050
0.1060
f.extract
Frequency
0
500
1500
0.120
0.125
0.130
0.135
senescence
Frequency
0
500
1500
0.006
0.008
0.010
0.012
0.014
growth
Frequency
0
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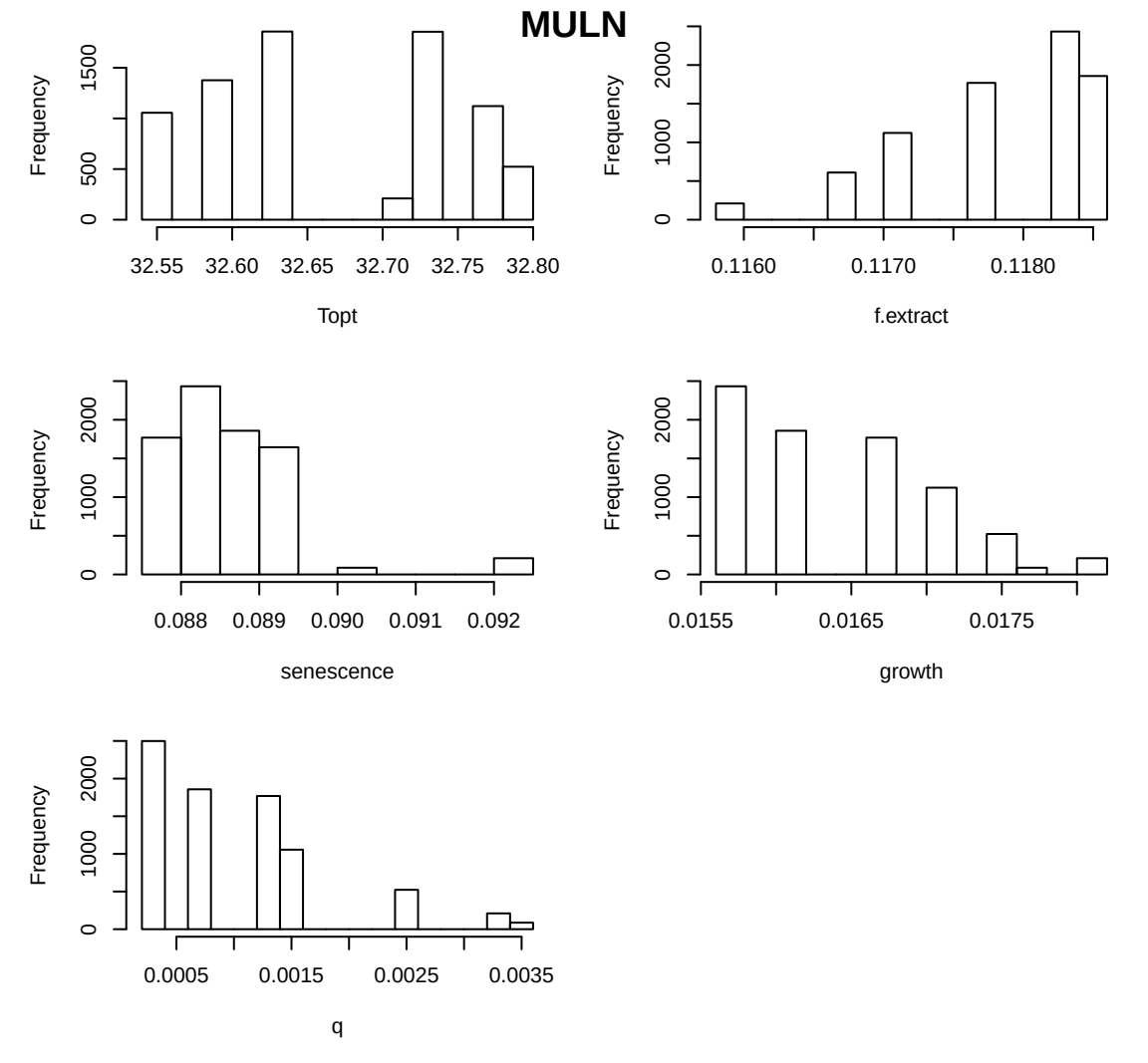
2000
0.000
0.010
0.020
0.030
q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32.75
32.80
Topt
Frequency
0
1000
2000
0.1160
0.1170
0.1180
f.extract
Frequency
0
1000
2000
0.088
0.089
0.090
0.091
0.092
senescence
Frequency
0
1000
2000
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0.0175
growth
Frequency
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1000
2000
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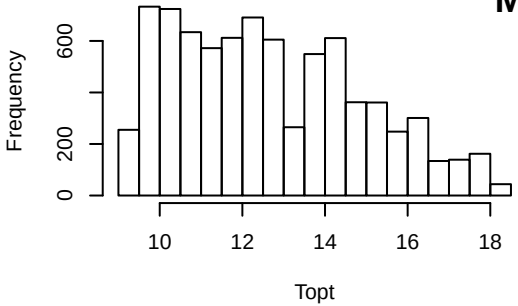
0.0015
0.0025
0.0035
q

MGAR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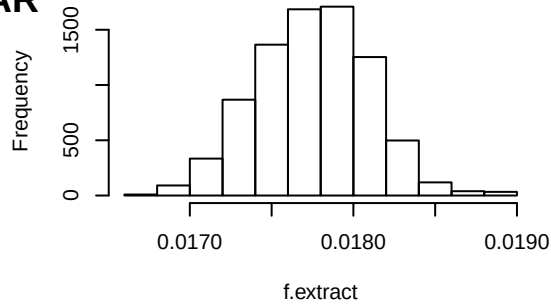
12
14
16
18
Topt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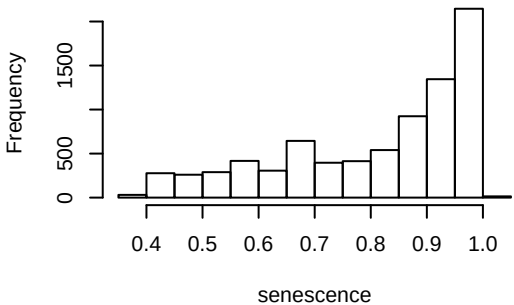
f.extract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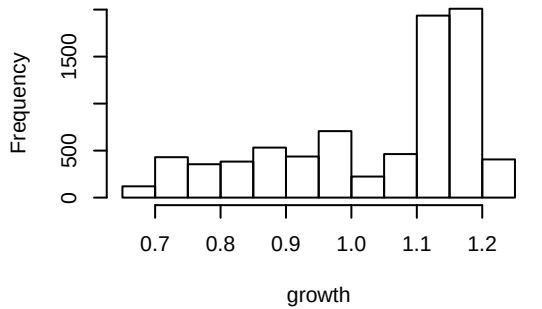
0.7
0.8
0.9
1.0
senescence


Frequency
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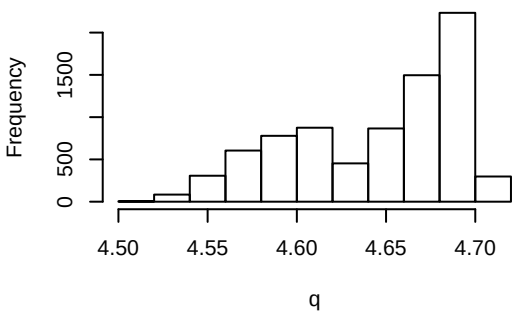
500
1500
0.7
0.8
0.9
1.0
1.1
1.2
growth


Frequency
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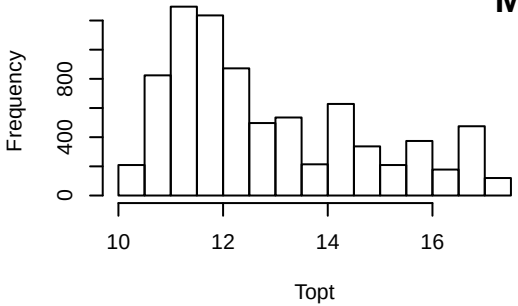
4.65
4.70
q

MGAR


Frequency
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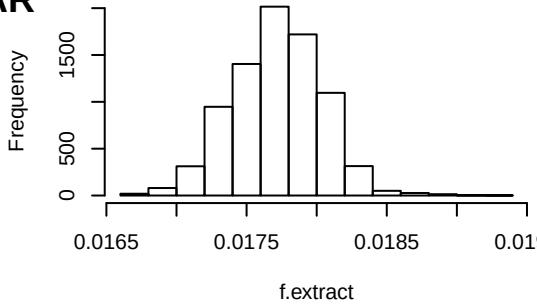
12
14
16
Topt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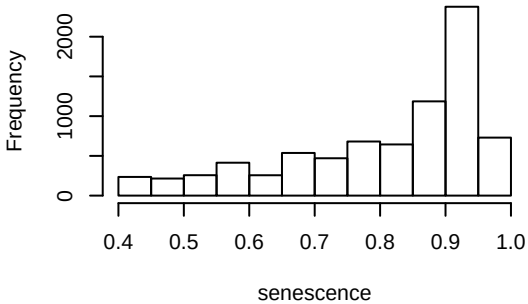
0.0195
f.extract


Frequency
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2000
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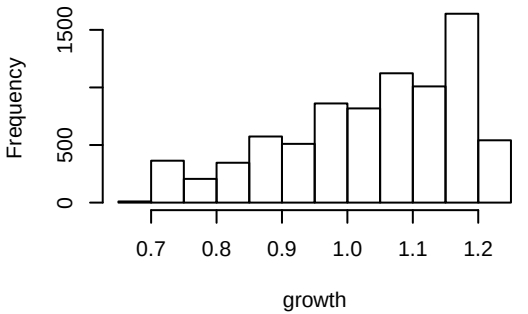
0.5
0.6
0.7
0.8
0.9
1.0
senescence


Frequency
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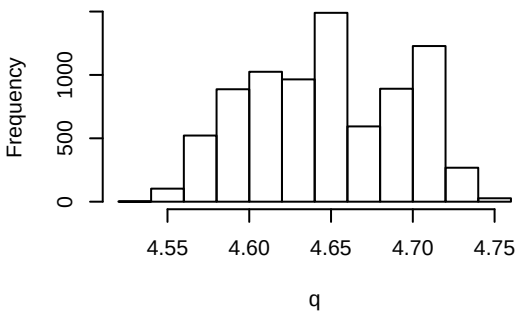
1500
0.7
0.8
0.9
1.0
1.1
1.2
growth


Frequency
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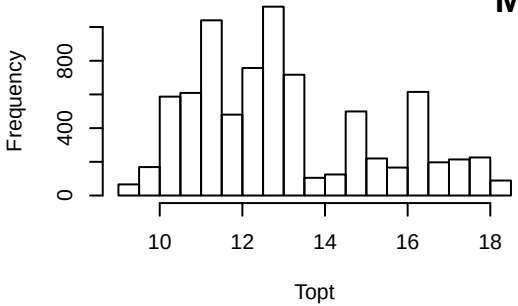
500
1000
4.55
4.60
4.65
4.70
4.75
q

MGAR


Frequency
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10
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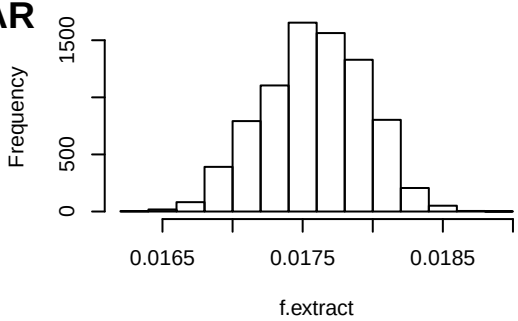
14
16
18
Topt


Frequency
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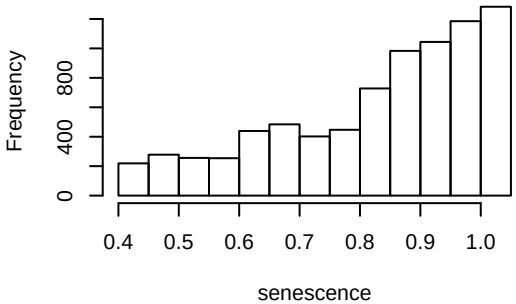
f.extract


Frequency
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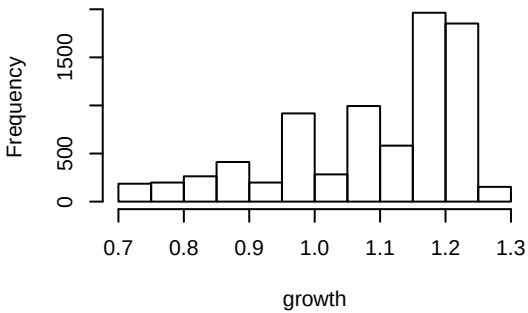
0.5
0.6
0.7
0.8
0.9
1.0
senescence


Frequency
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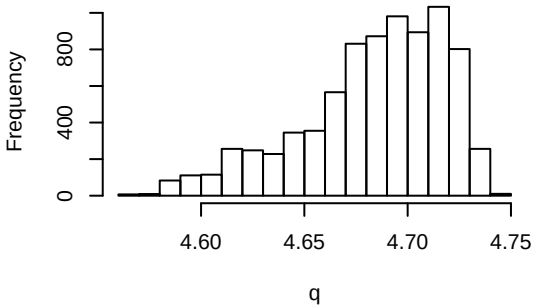
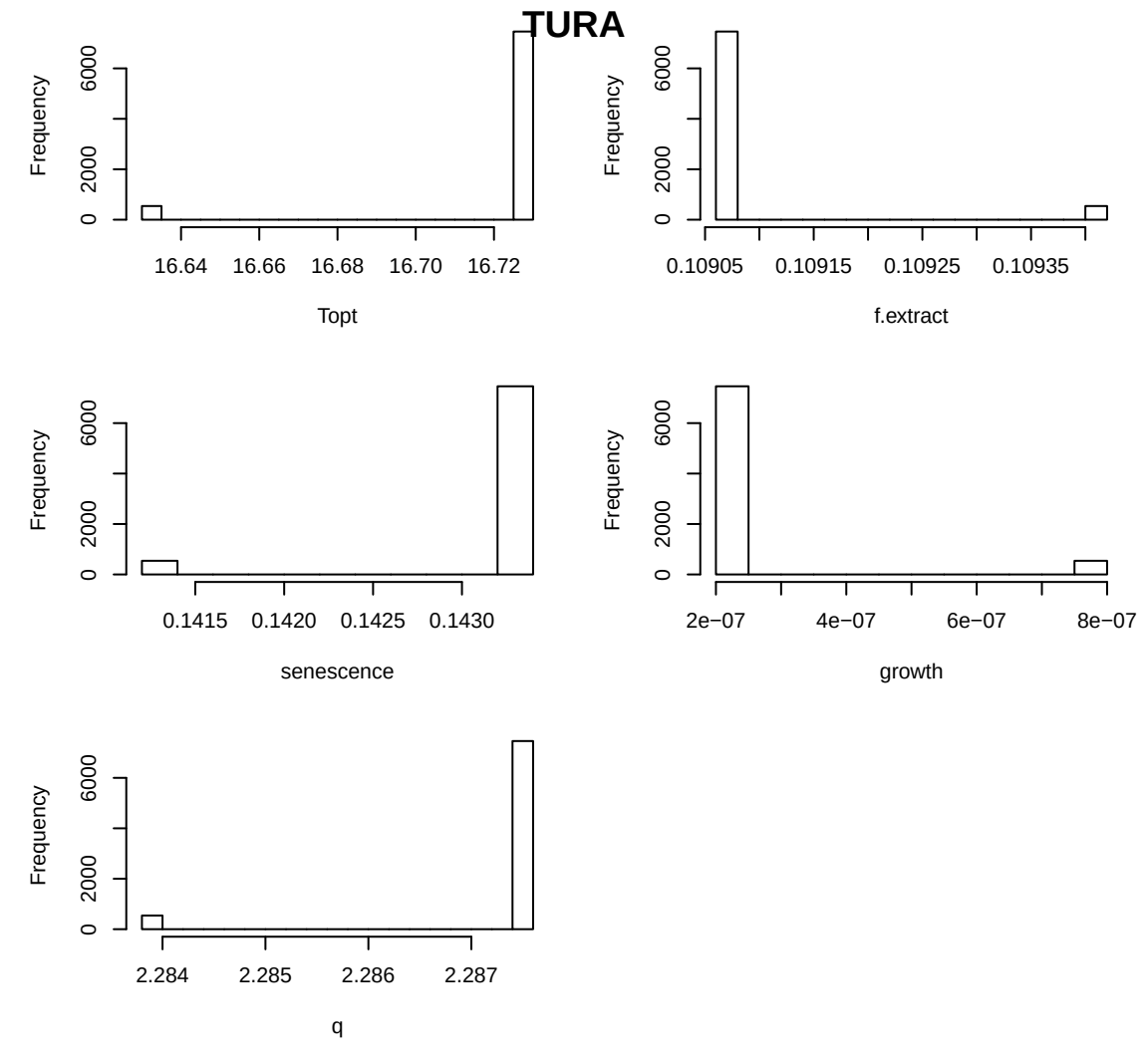
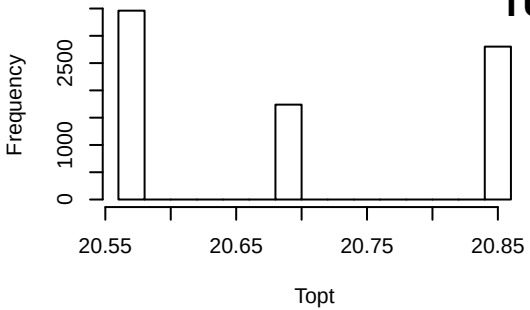
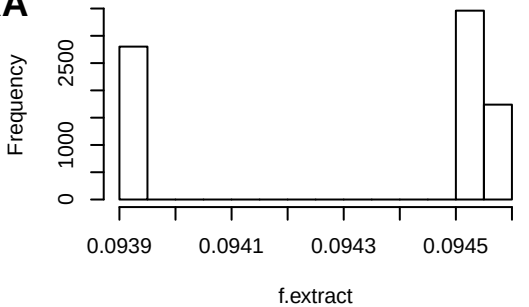
1500
0.7
0.8
0.9
1.0
1.1
1.2
1.3
growth

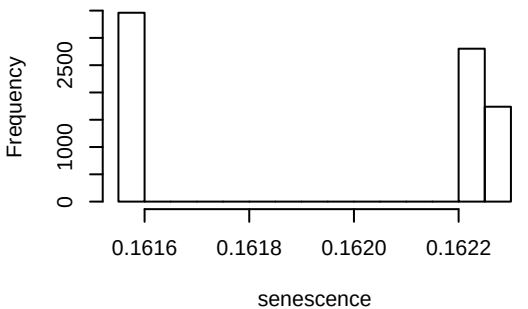

Frequency
0
400
800
4.60
4.65
4.70
4.75
q

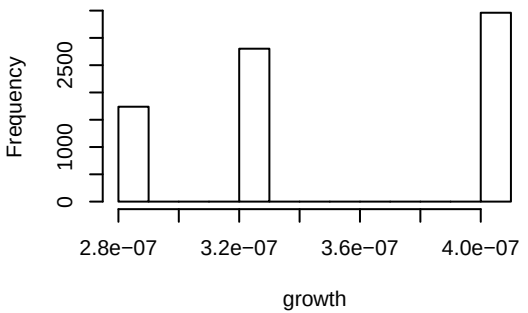

TURA
Frequency
0
2000
6000
16.64
16.66
16.68
16.70
16.72
Topt
0.10905
0.10915
0.10925
0.10935
f.extract
0.1415
0.1420
0.1425
0.1430
senescence
2e−07
4e−07
6e−07
8e−07
growth
2.284
2.285
2.286
2.287
q

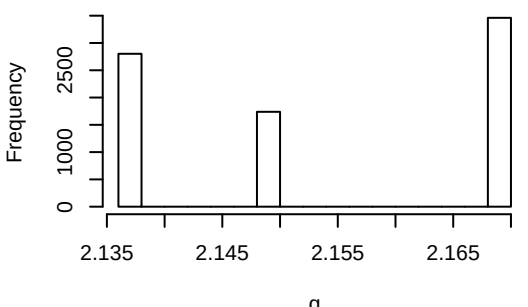
TURA

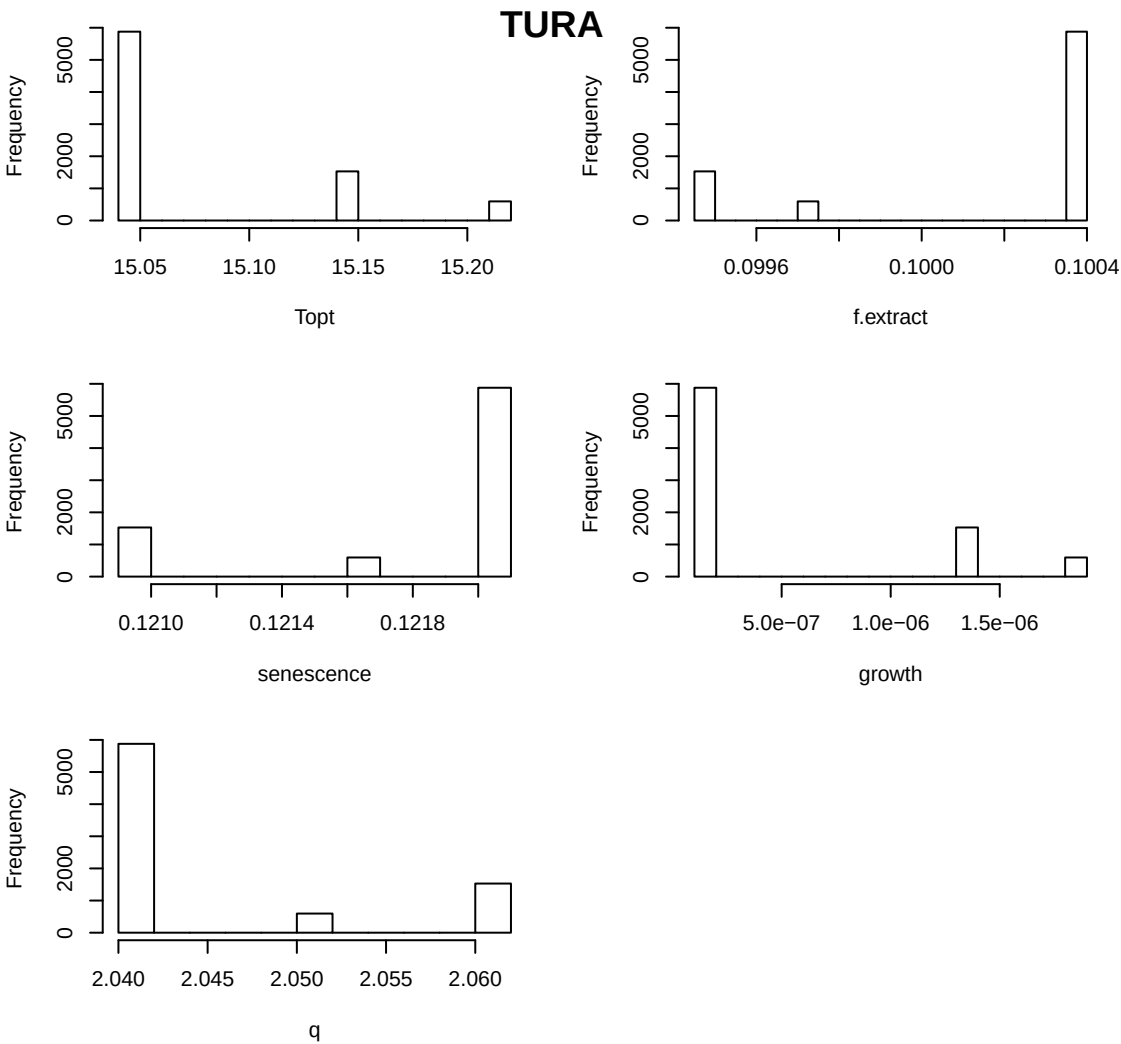

Frequency
0
1000
2500
20.55
20.65
20.75
20.85
Topt


Frequency
0
1000
2500
0.0939
0.0941
0.0943
0.0945
f.extract


Frequency
0
1000
2500
0.1616
0.1618
0.1620
0.1622
senescence


Frequency
0
1000
2500
2.8e−07
3.2e−07
3.6e−07
4.0e−07
growth


Frequency
0
1000
2500
2.135
2.145
2.155
2.165
q


TURA
Frequency
0
2000
5000
15.05
15.10
15.15
15.20
Topt
0.0996
0.1000
0.1004
f.extract
0.1210
0.1214
0.1218
senescence
5.0e−07
1.0e−06
1.5e−06
growth
2.040
2.045
2.050
2.055
2.060
q