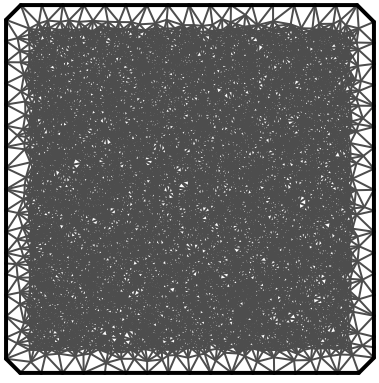
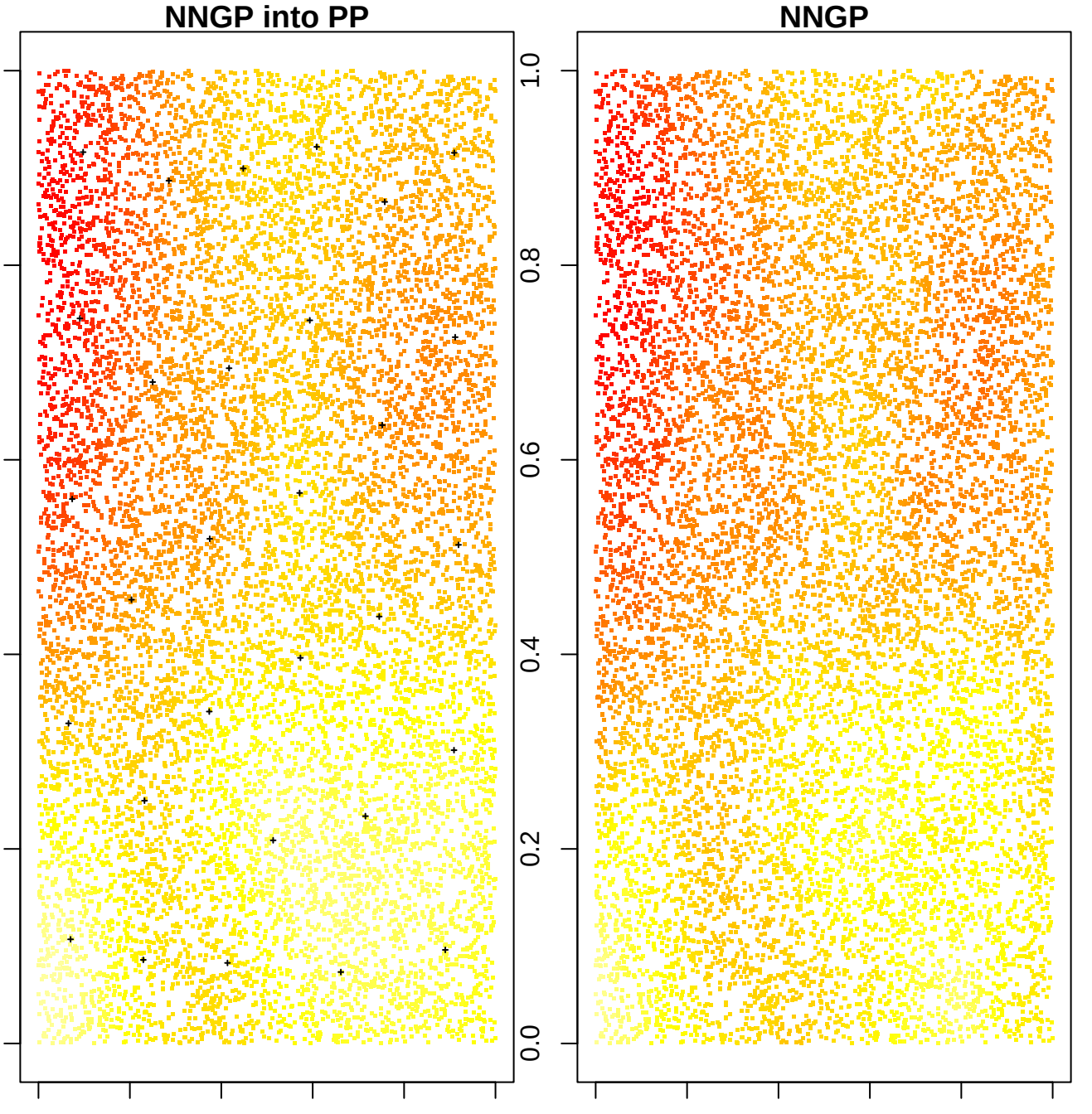
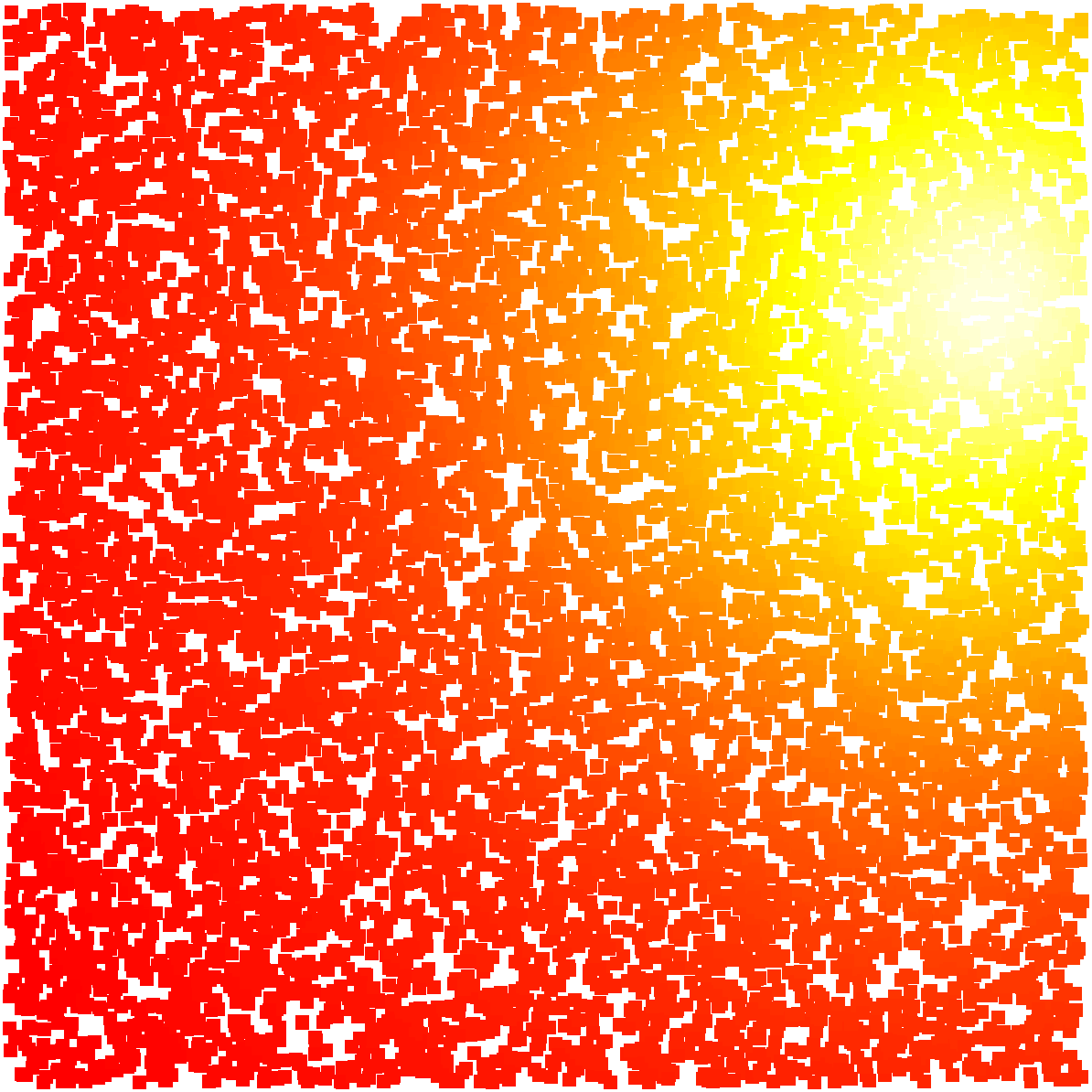
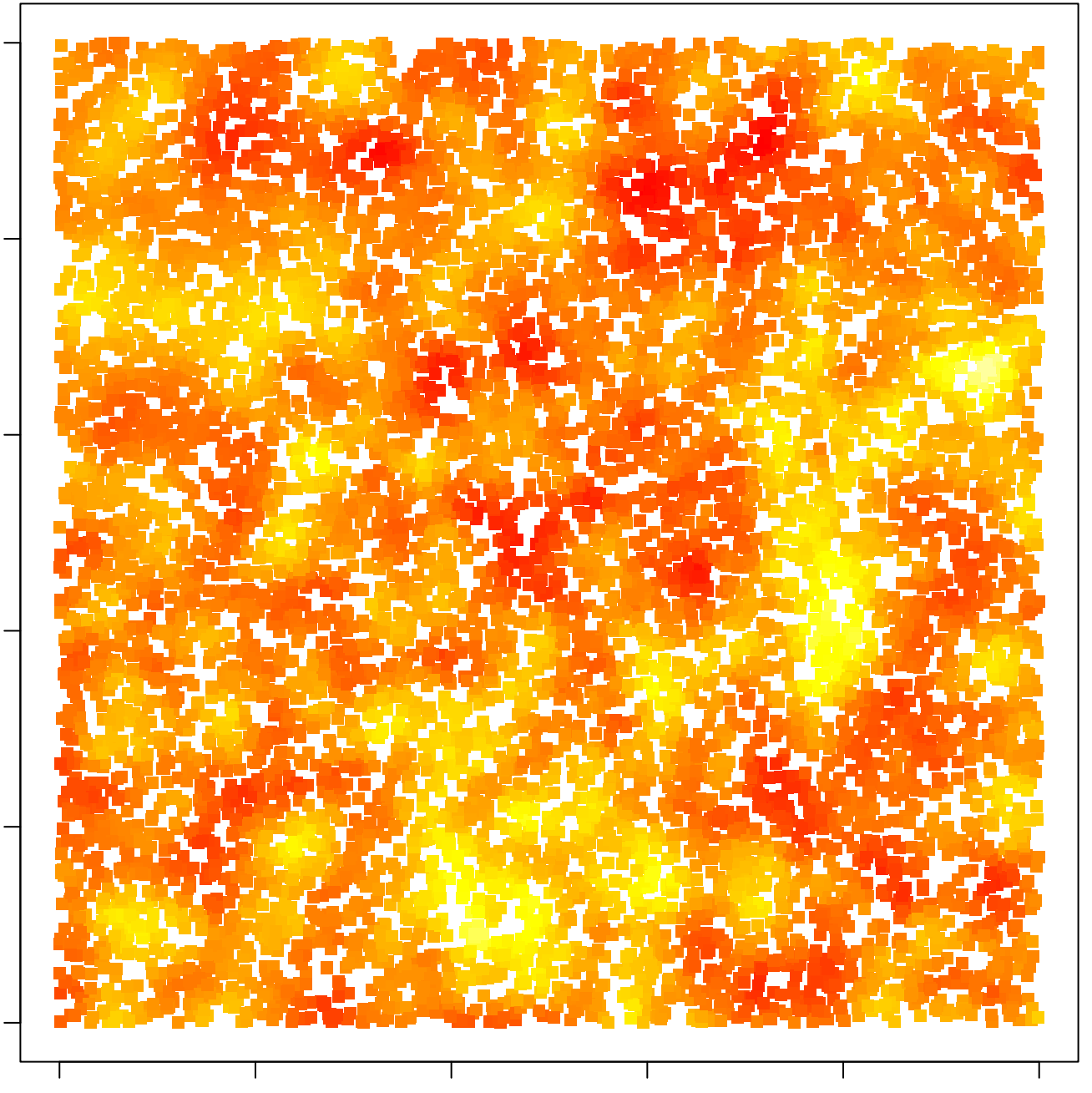
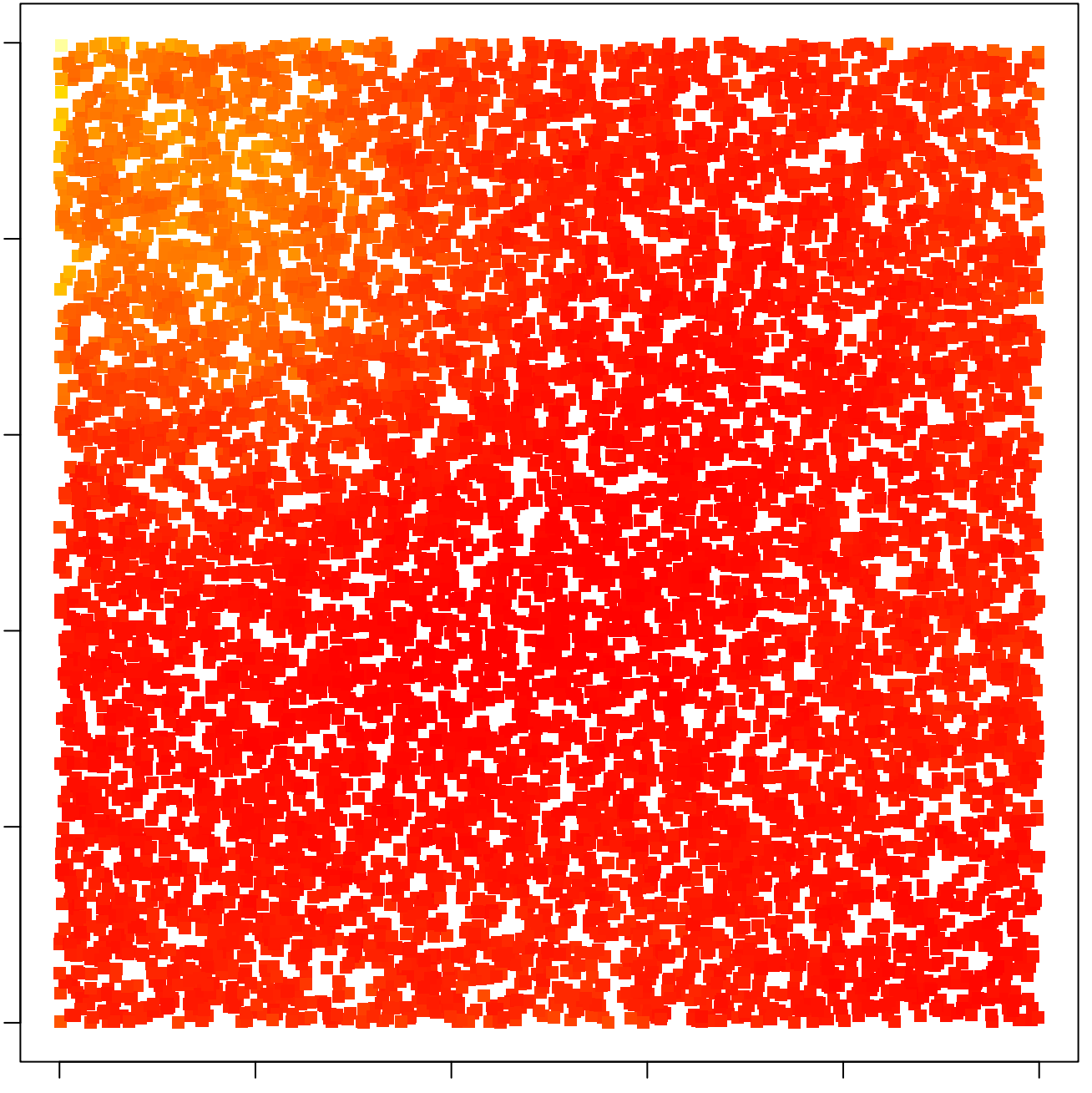


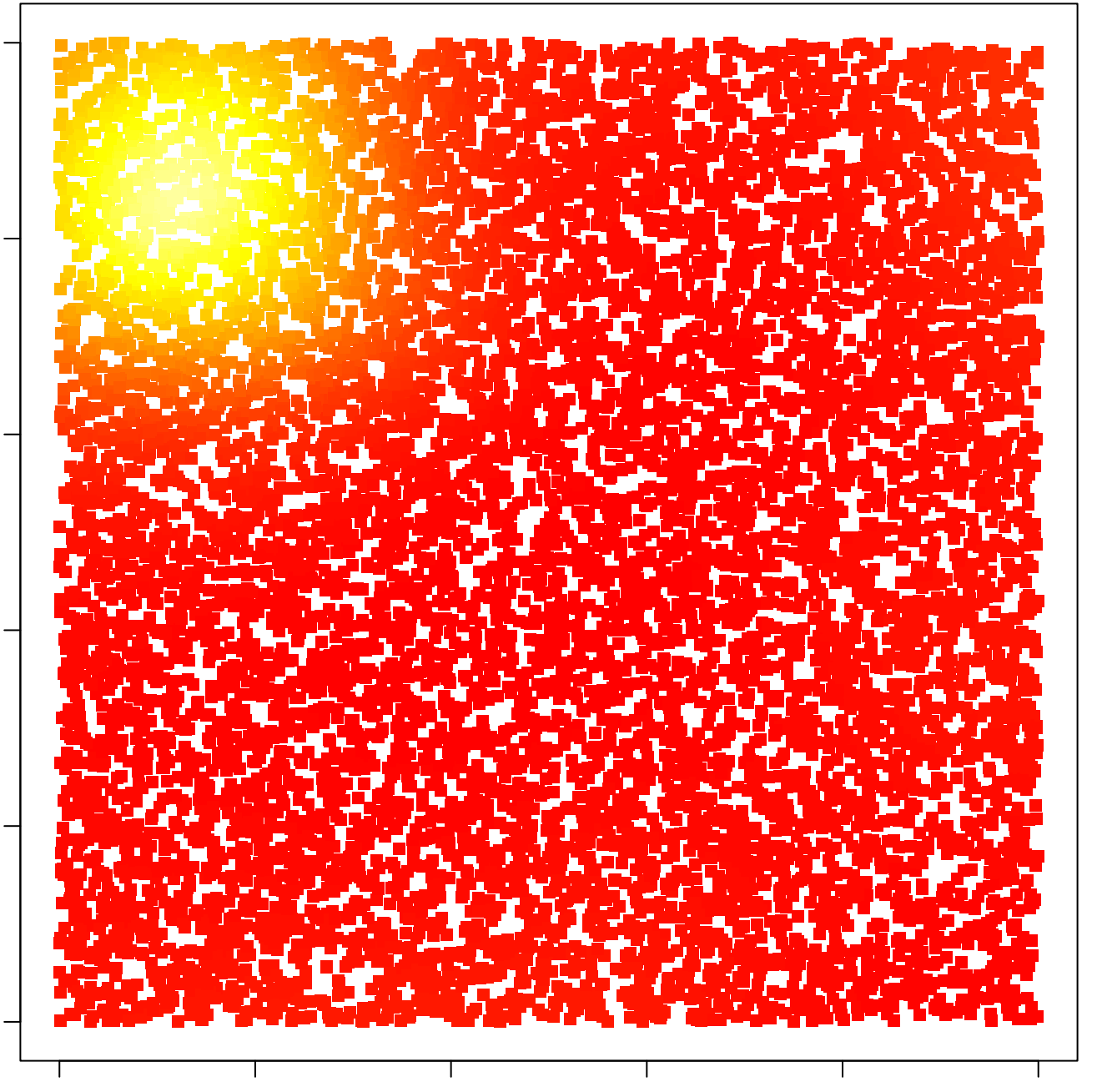

NNGP into PP
NNGP
0.0
0.2
0.4
0.6
0.8
1.0

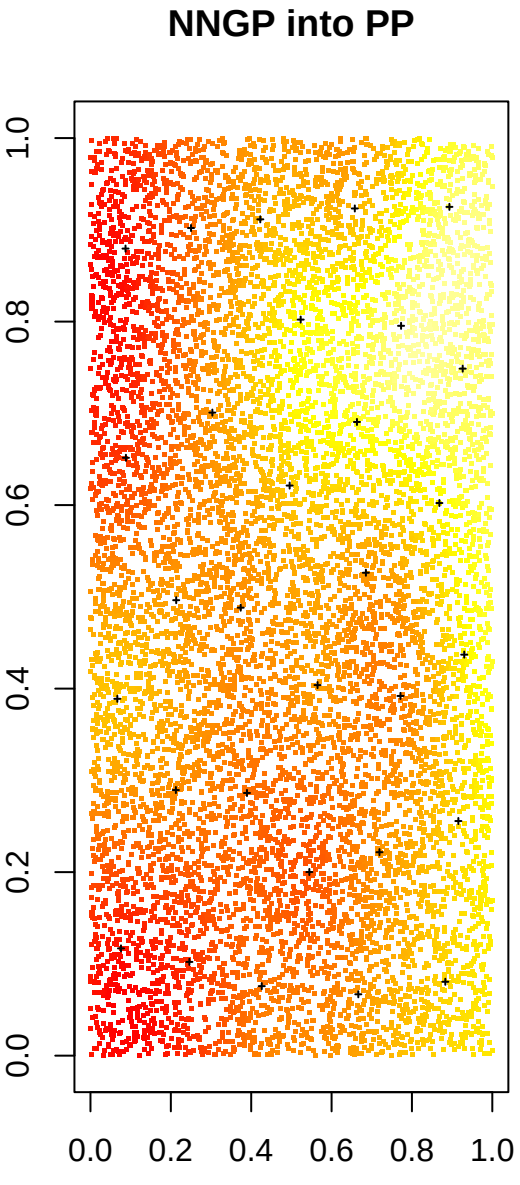
PP 1

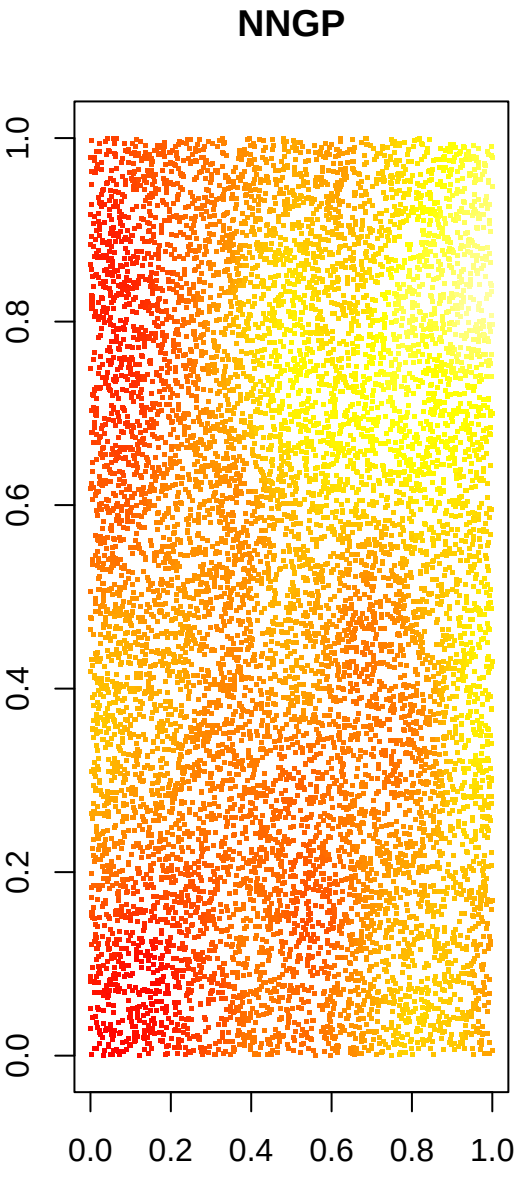


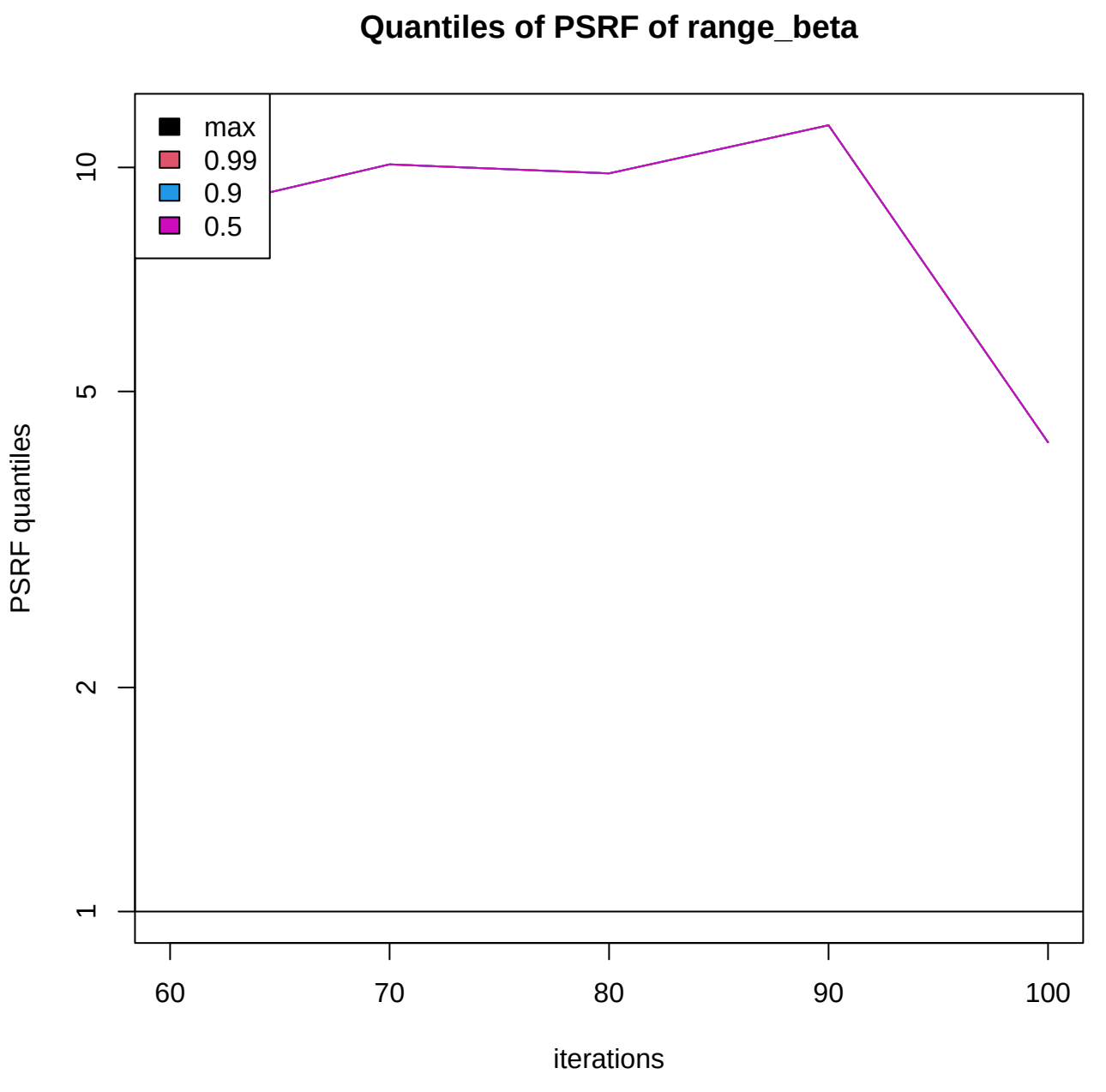


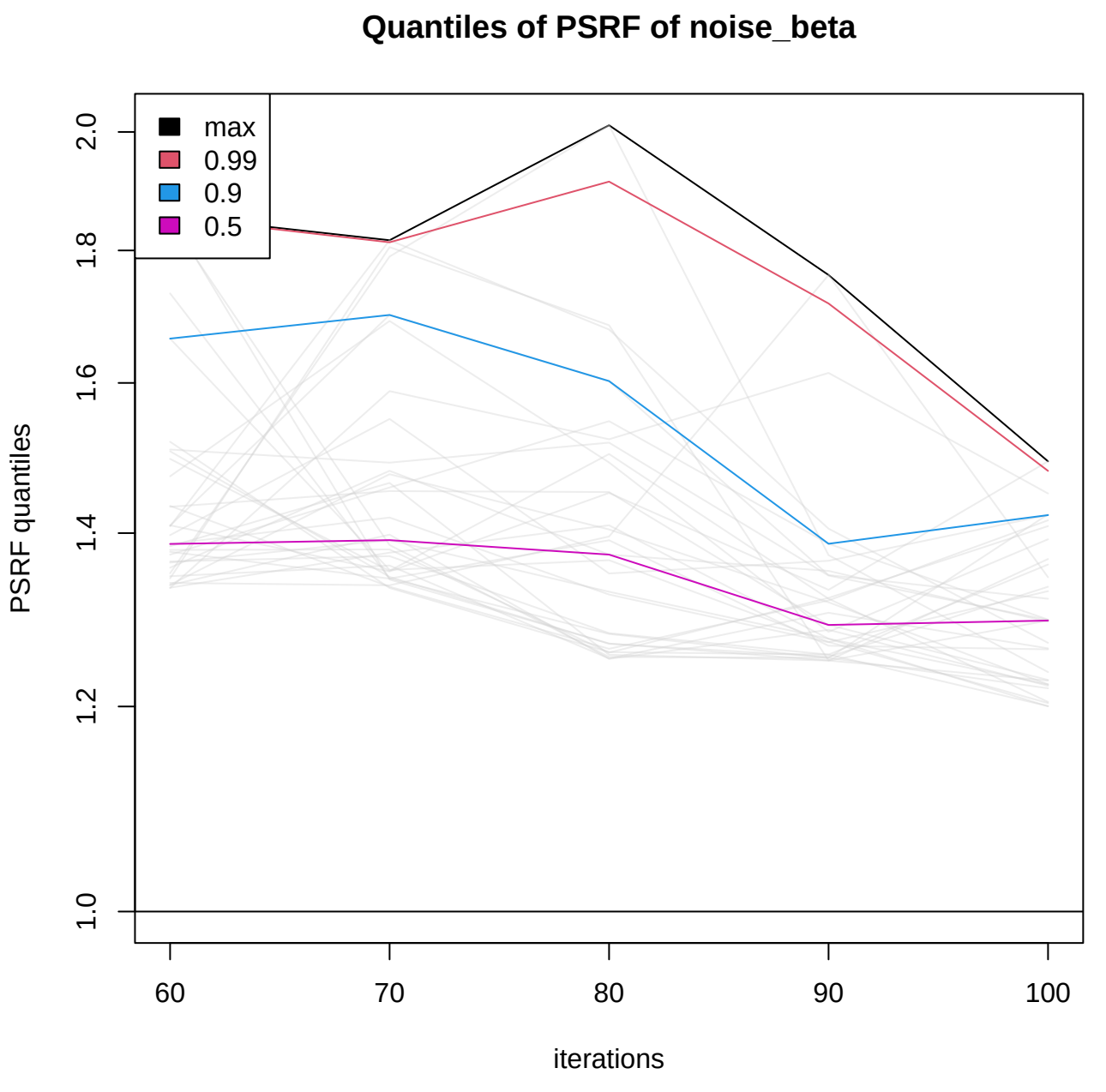


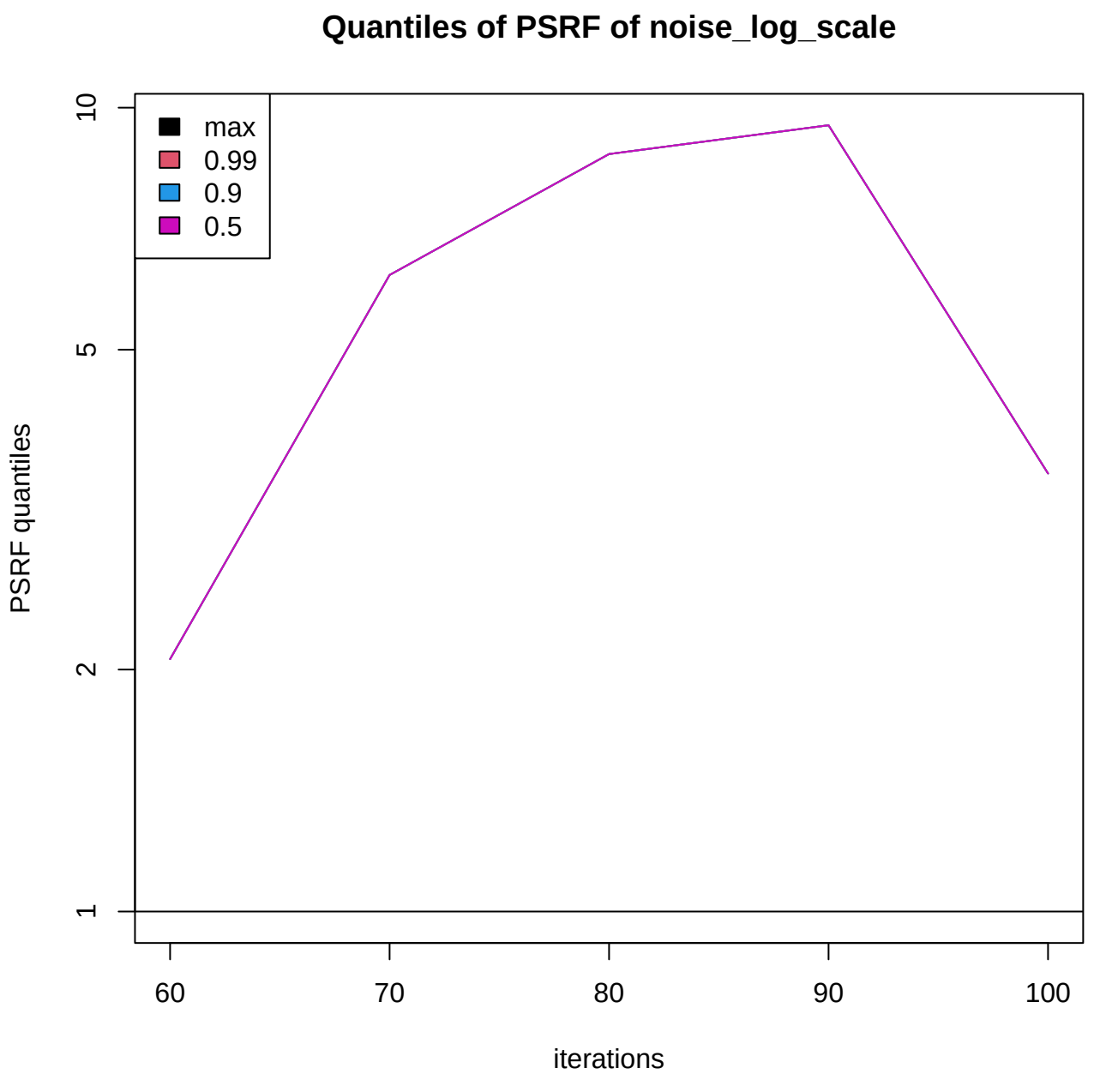


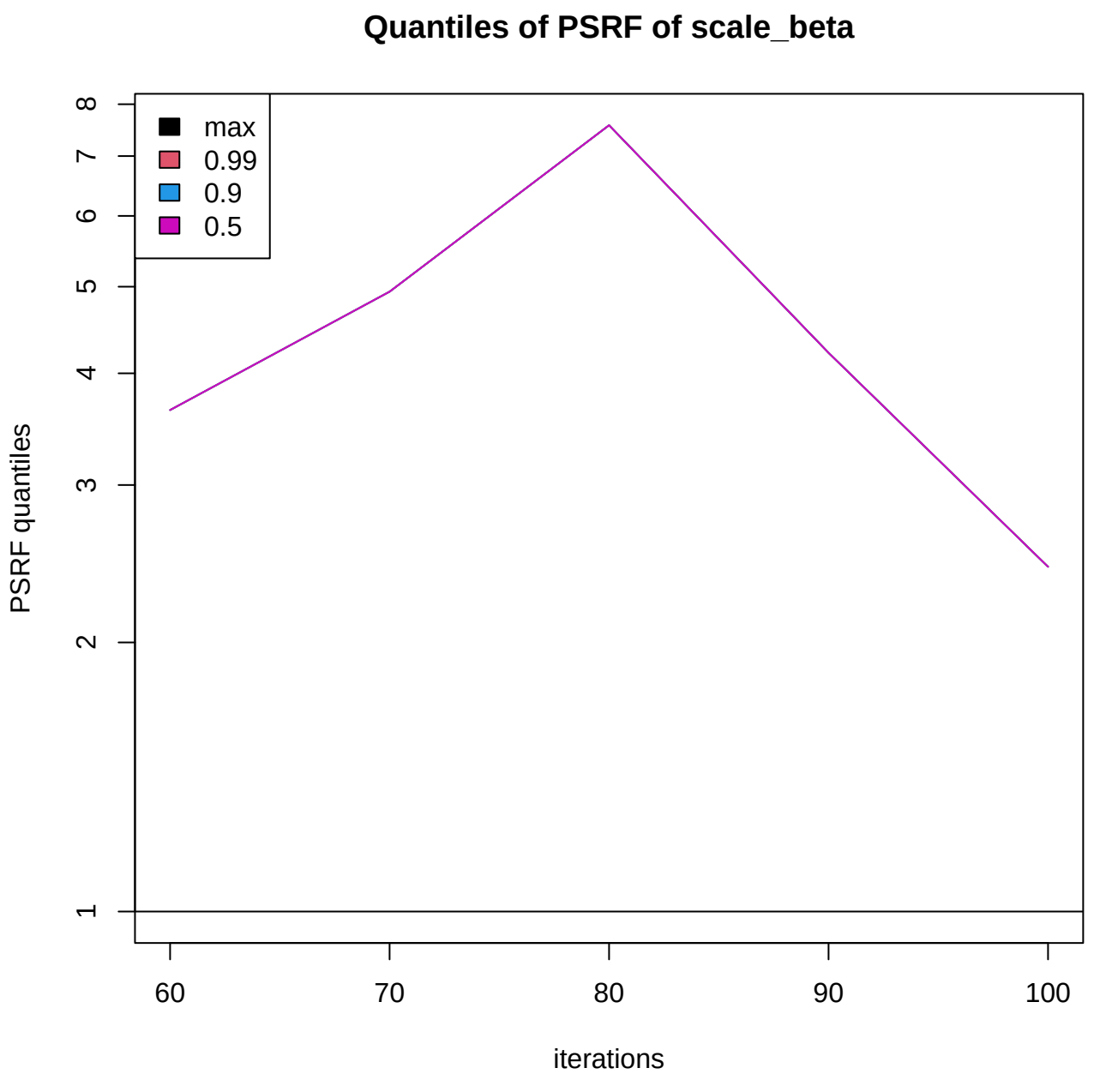

NNGP into PP
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0

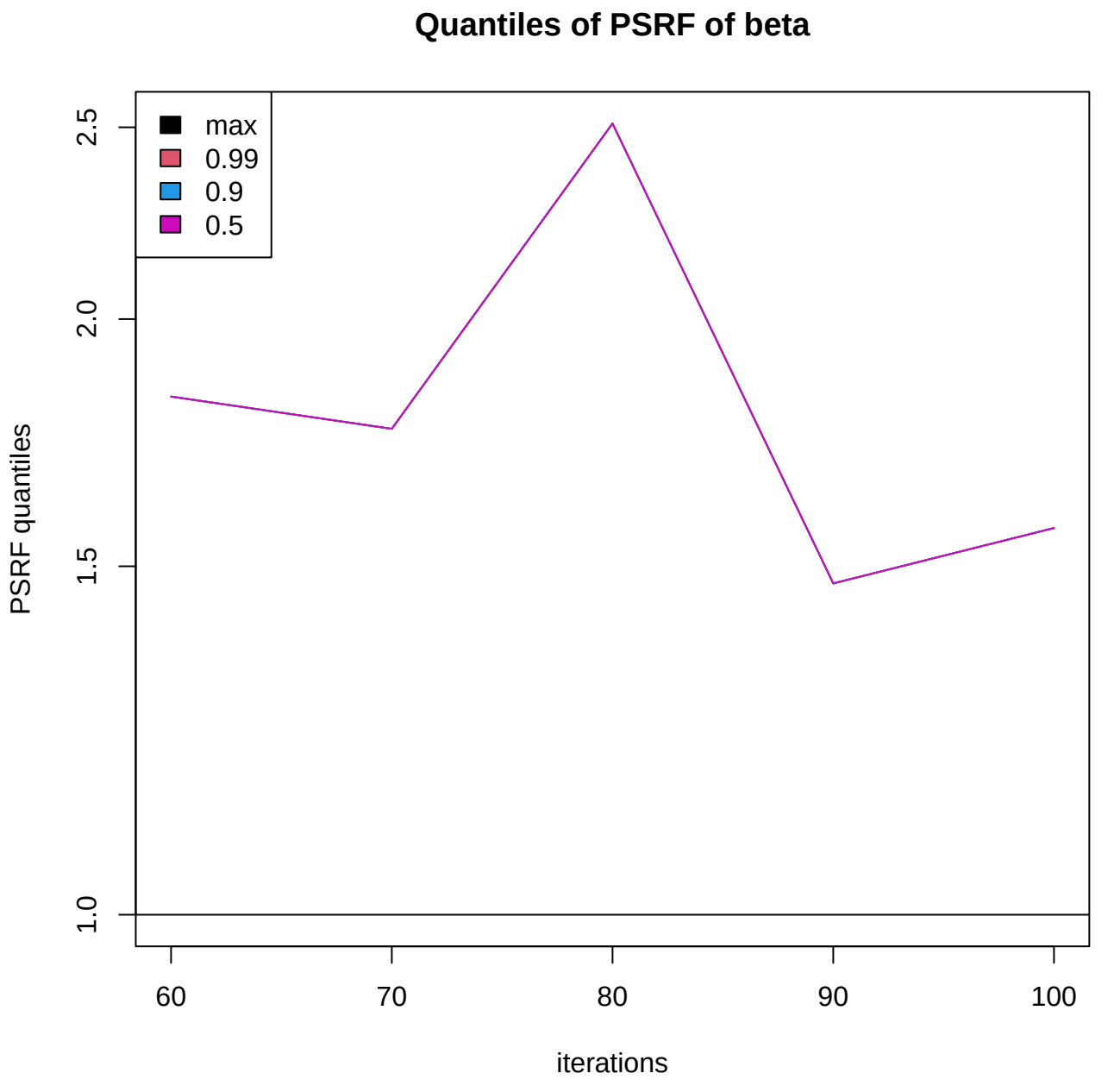

NNGP
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0

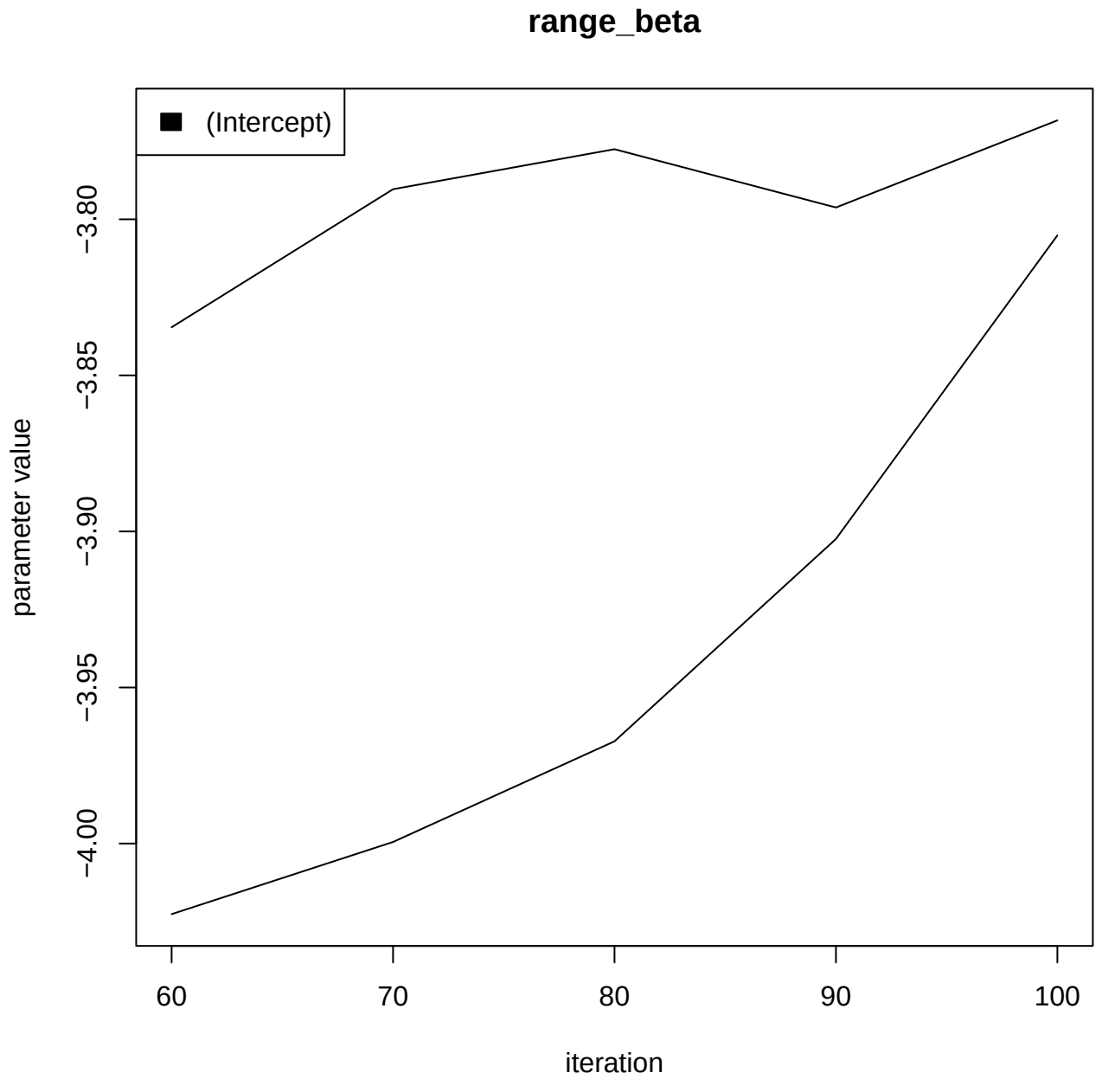

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1
2
5
10
60
70
80
90
100
iterations

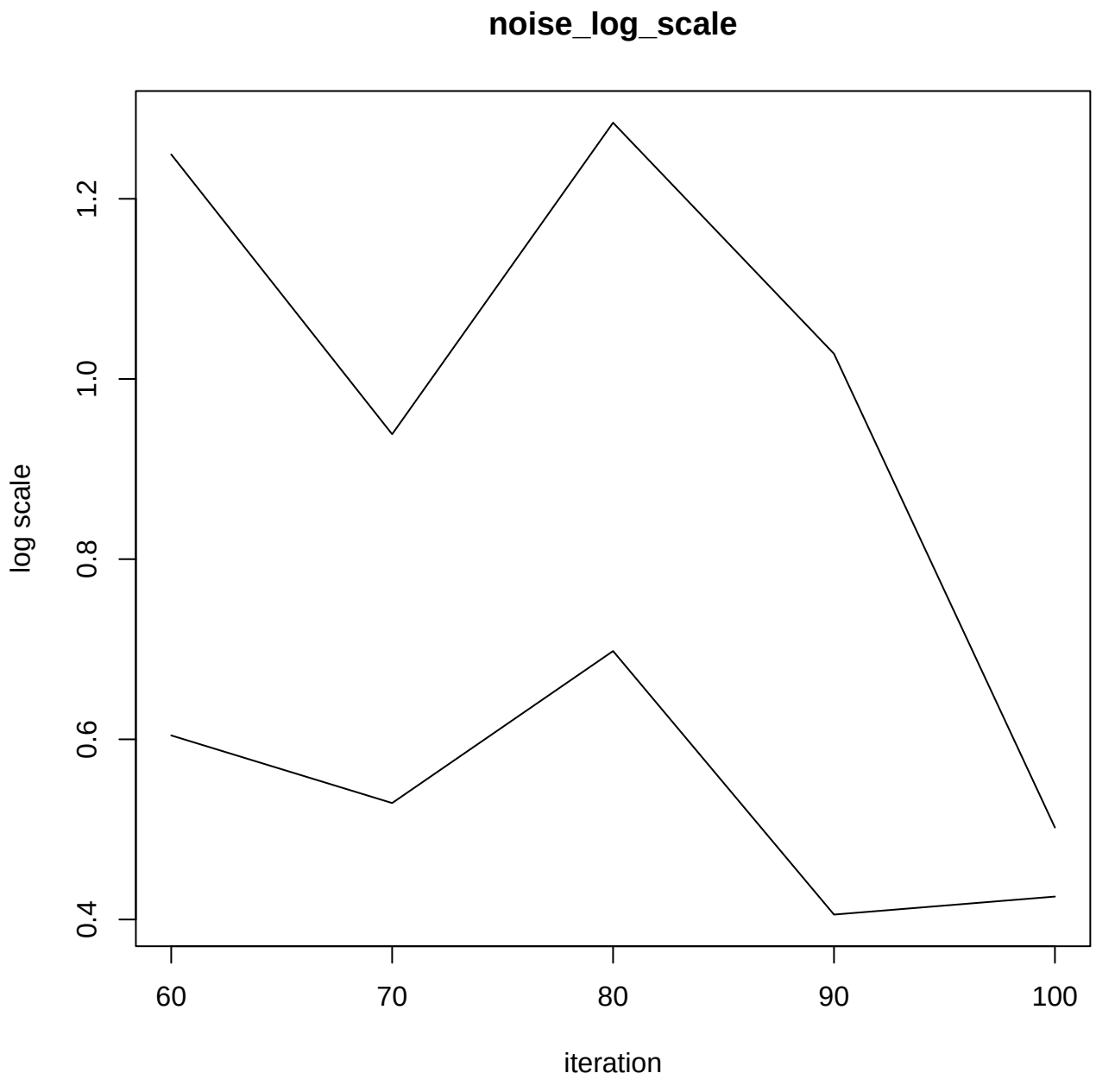

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
2.0
1.8
1.6
1.4
1.2
1.0
60
70
80
90
100
iterations

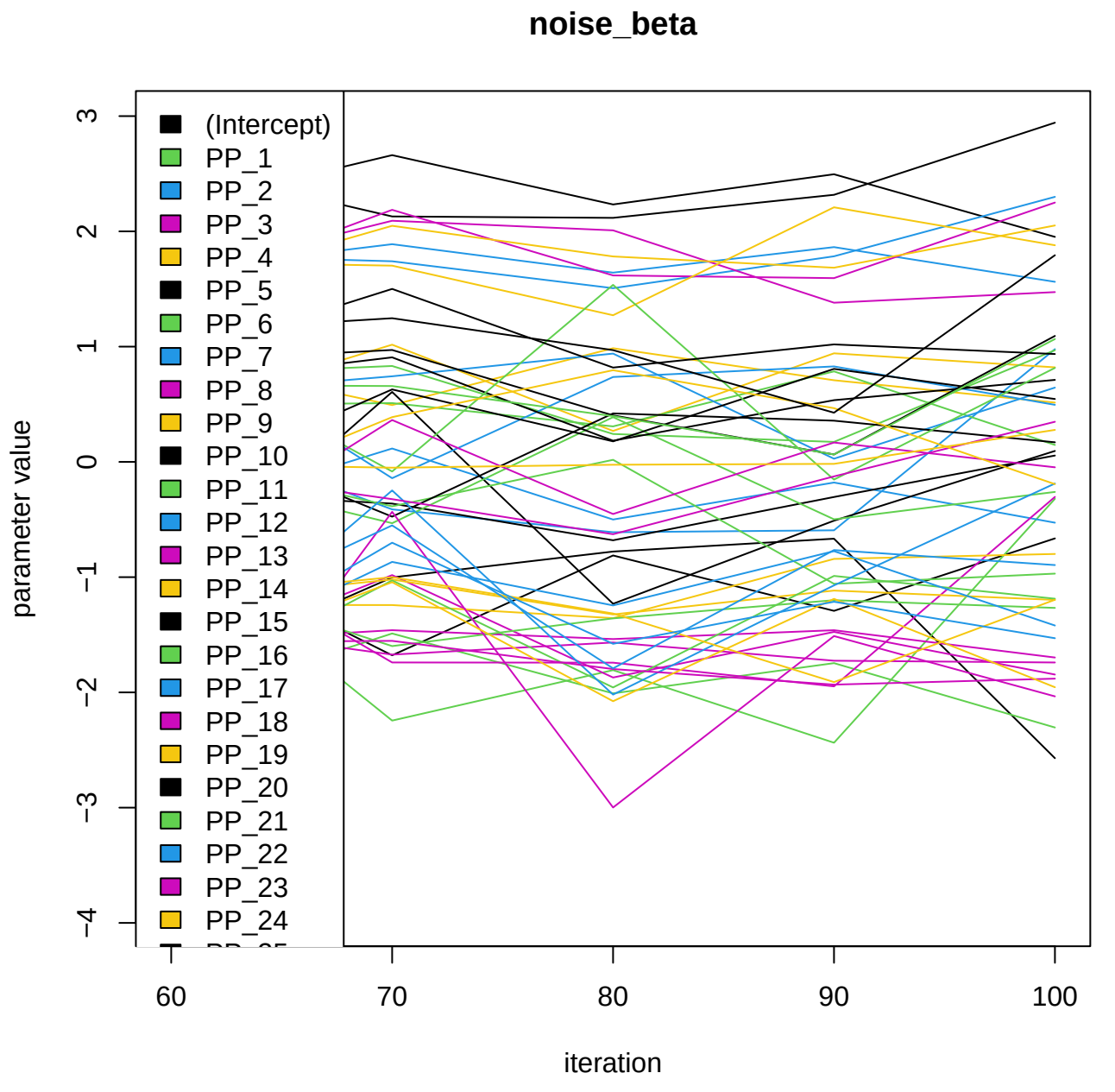

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
10
5
2
1
60
70
80
90
100
iterations

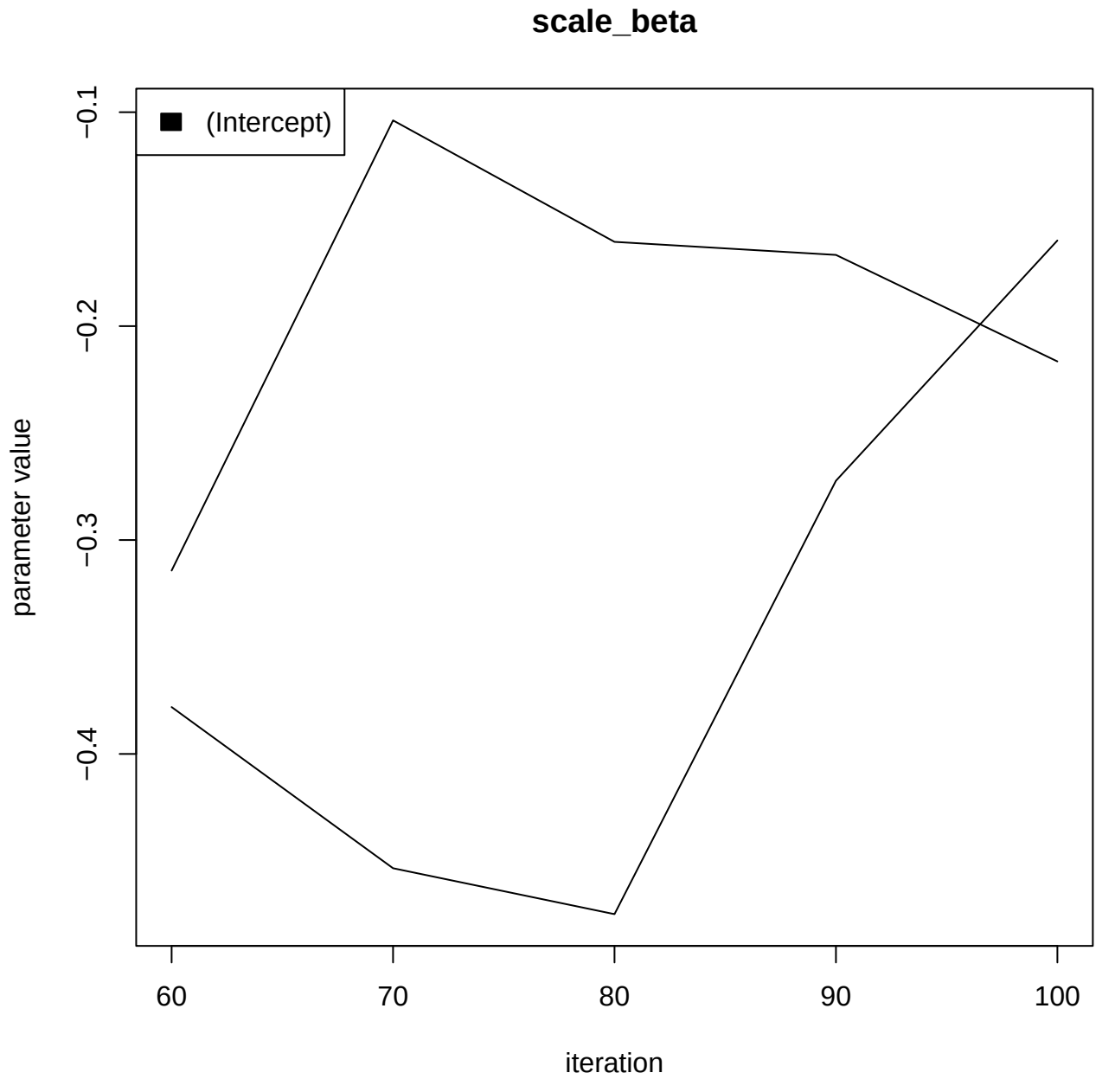

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1
2
3
4
5
6
7
8
60
70
80
90
100
iterations

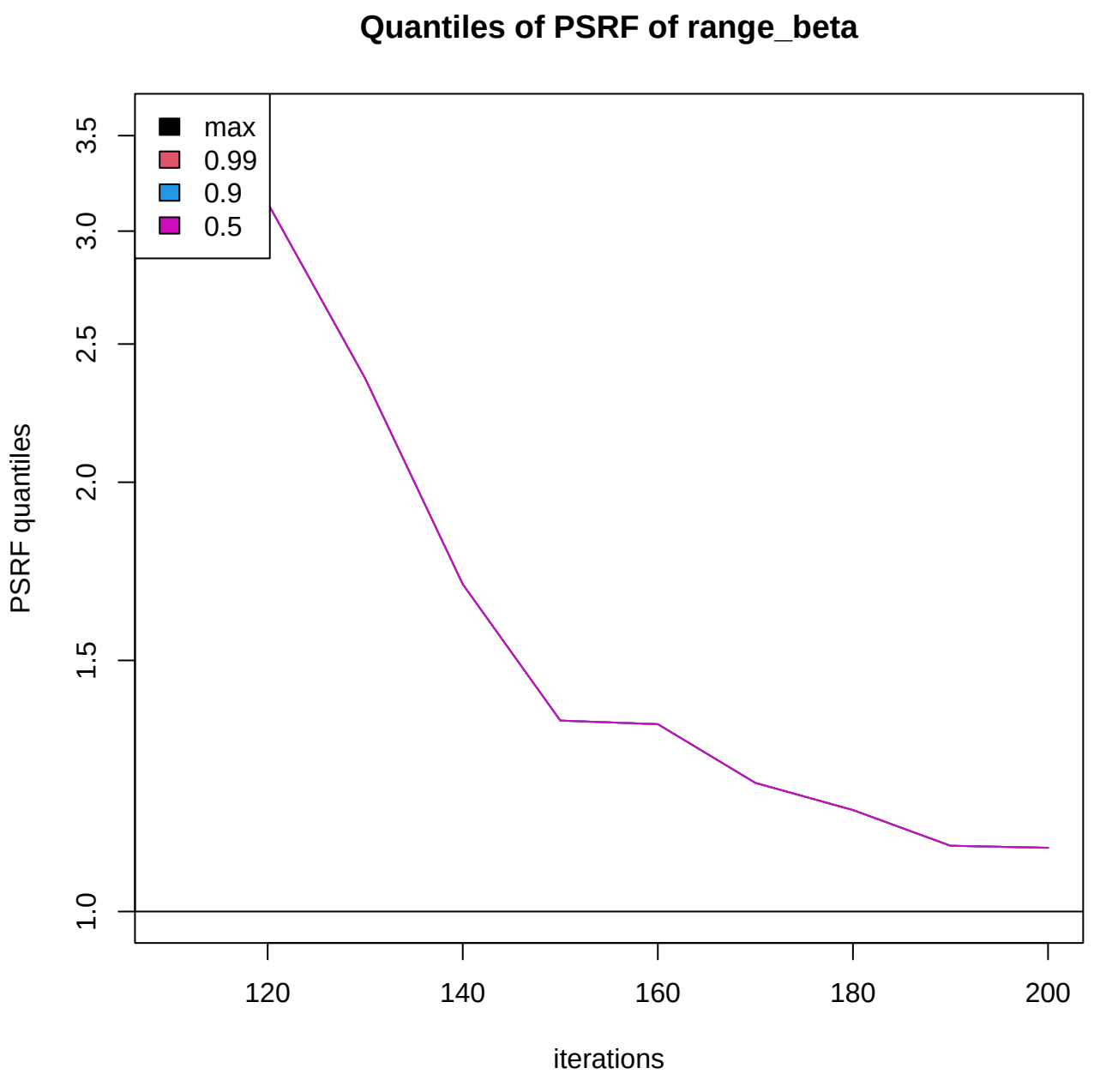

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
60
70
80
90
100
iterations

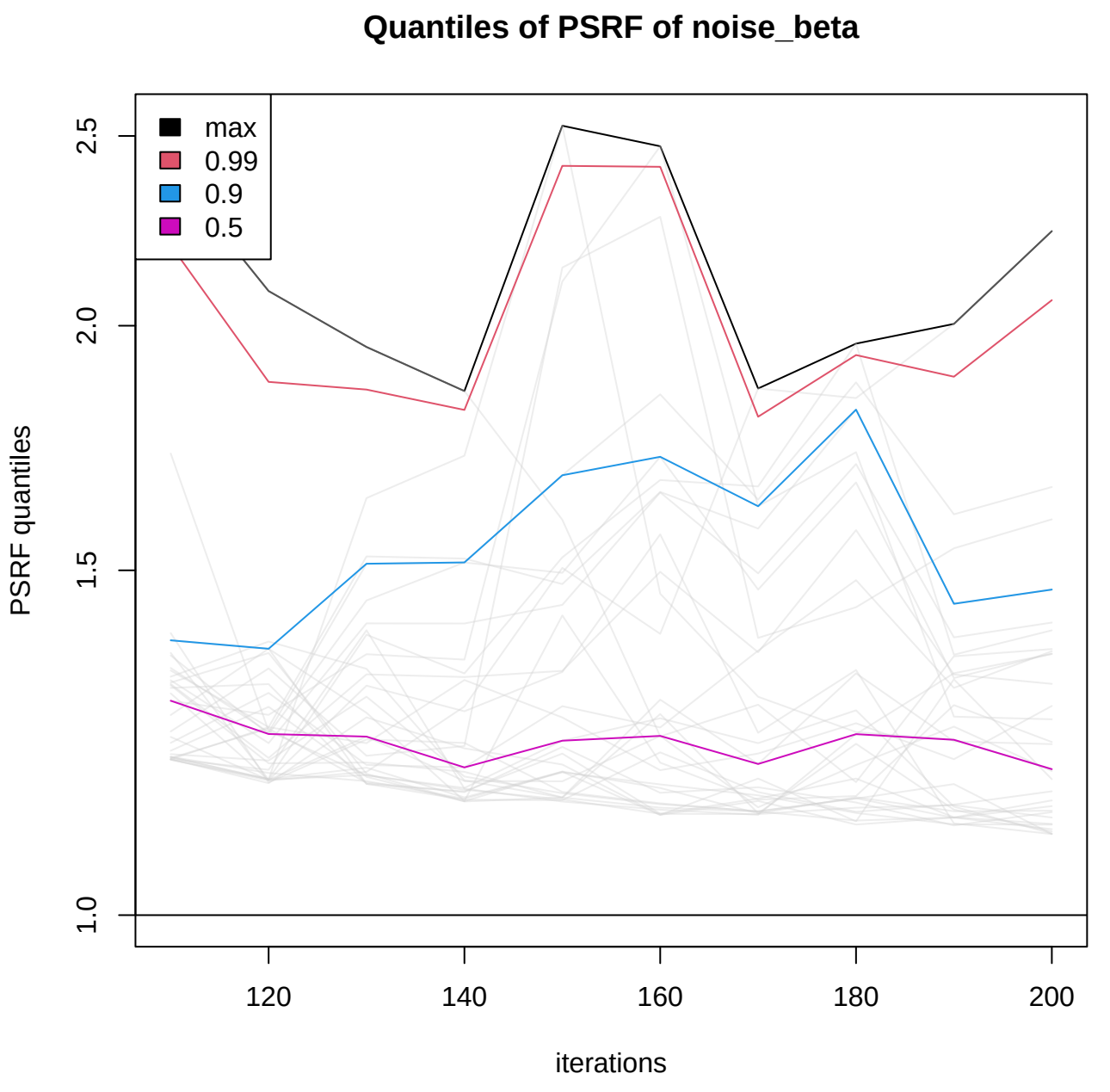

range_beta
(Intercept)
parameter value
−3.80
−3.85
−3.90
−3.95
−4.00
60
70
80
90
100
iteration

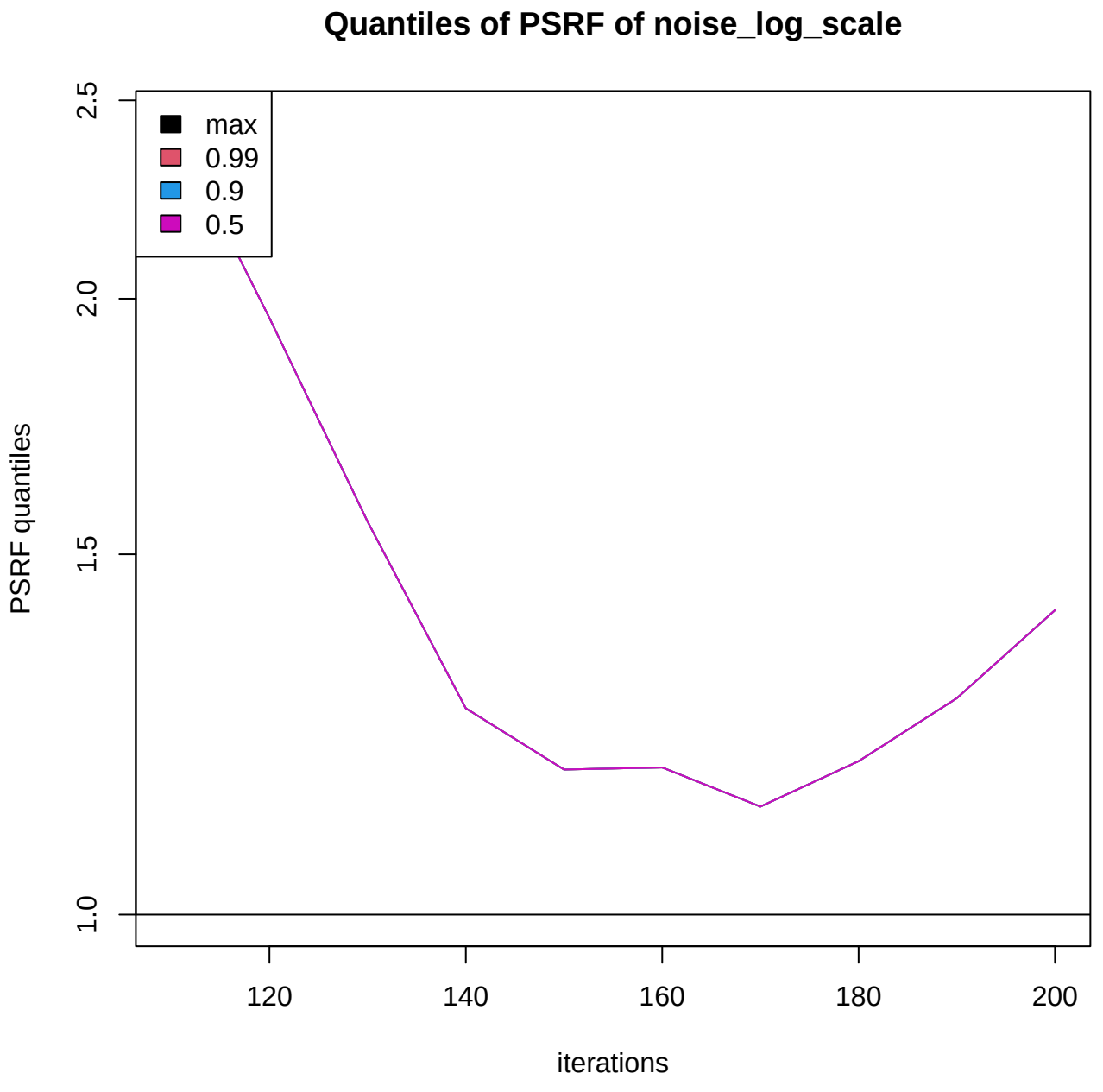

noise_log_scale
log scale
0.4
0.6
0.8
1.0
1.2
60
70
80
90
100
iteration

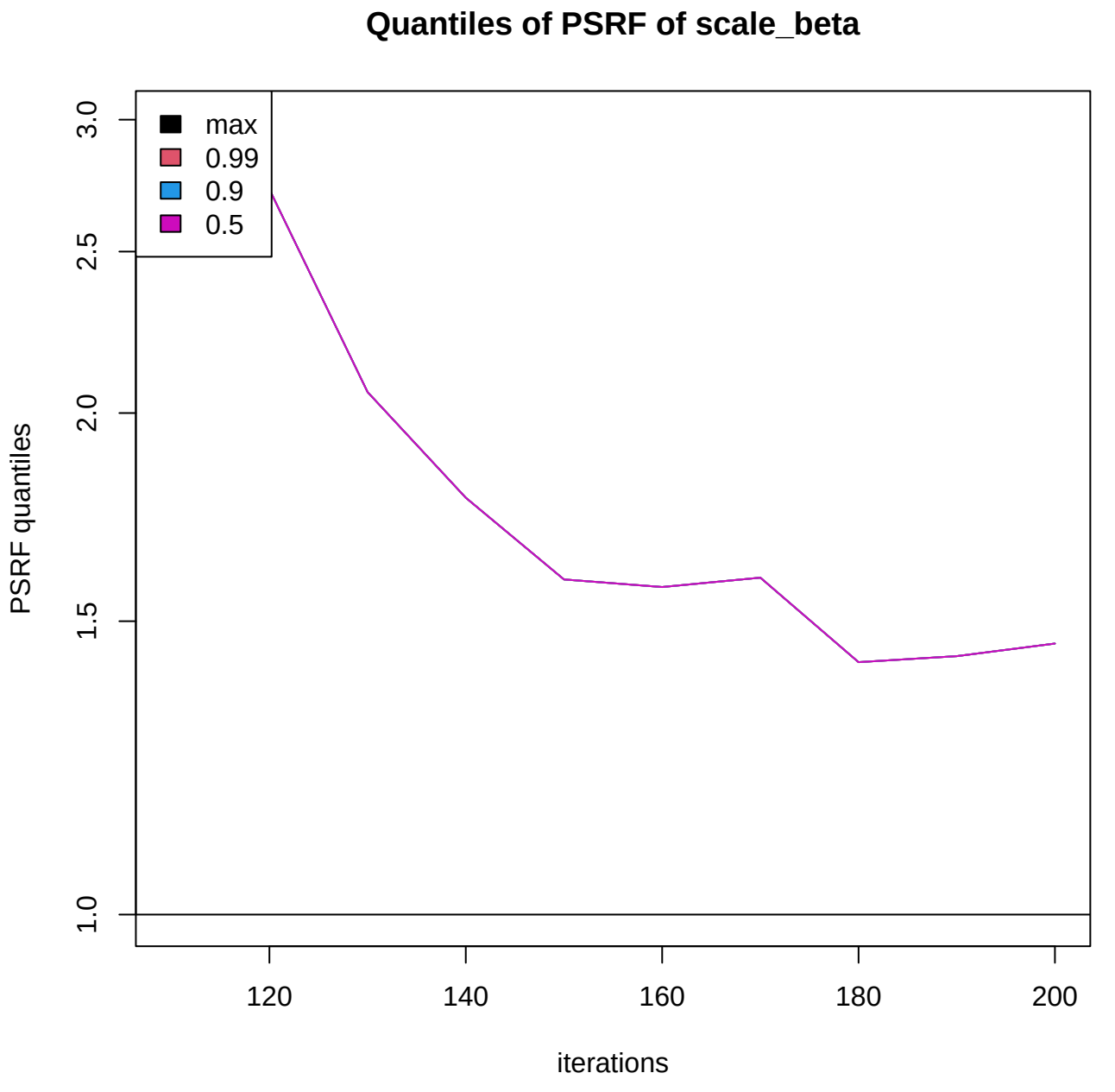

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
−4
60
70
80
90
100
iteration

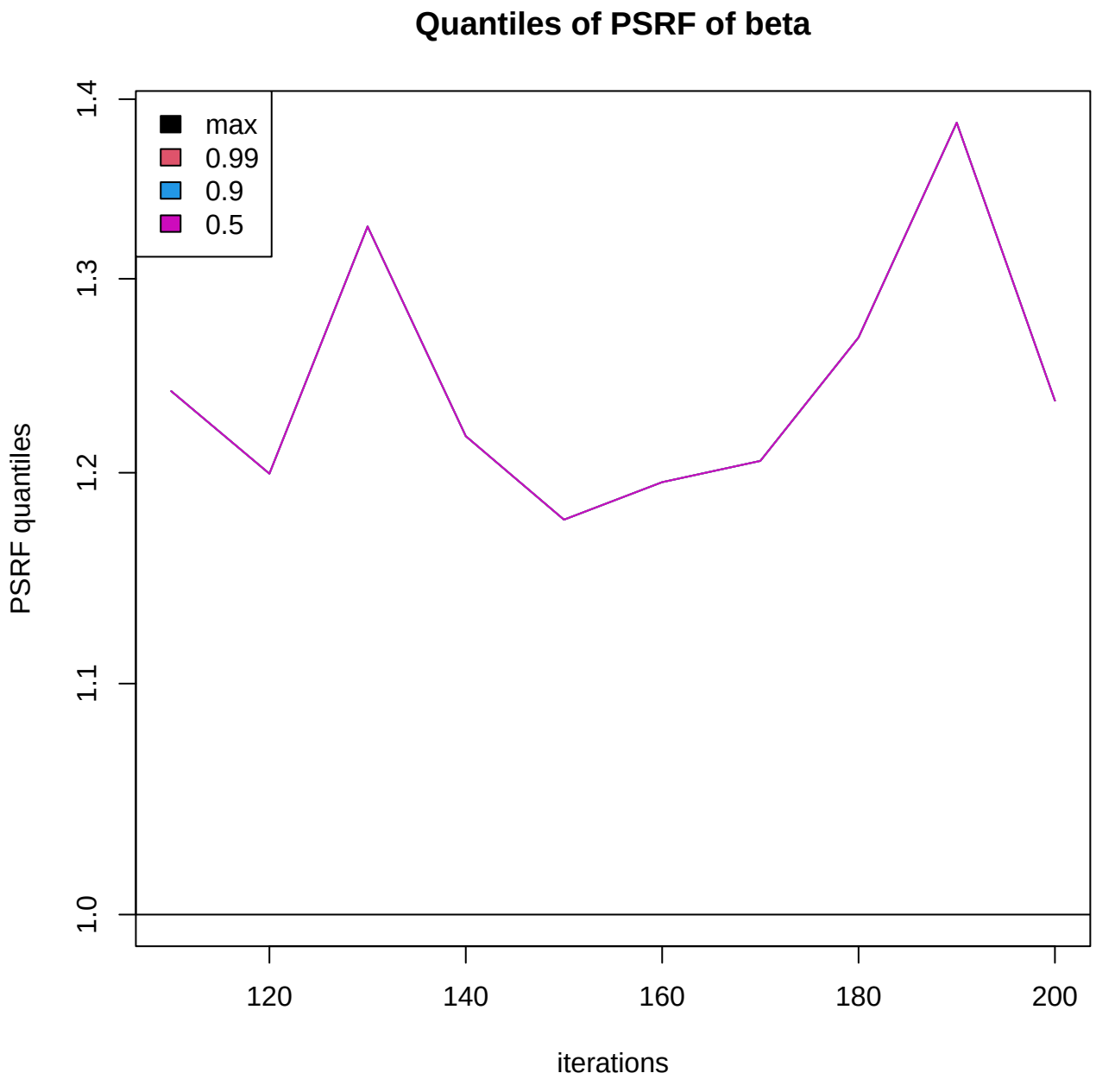

scale_beta
(Intercept)
parameter value
−0.1
−0.2
−0.3
−0.4
60
70
80
90
100
iteration

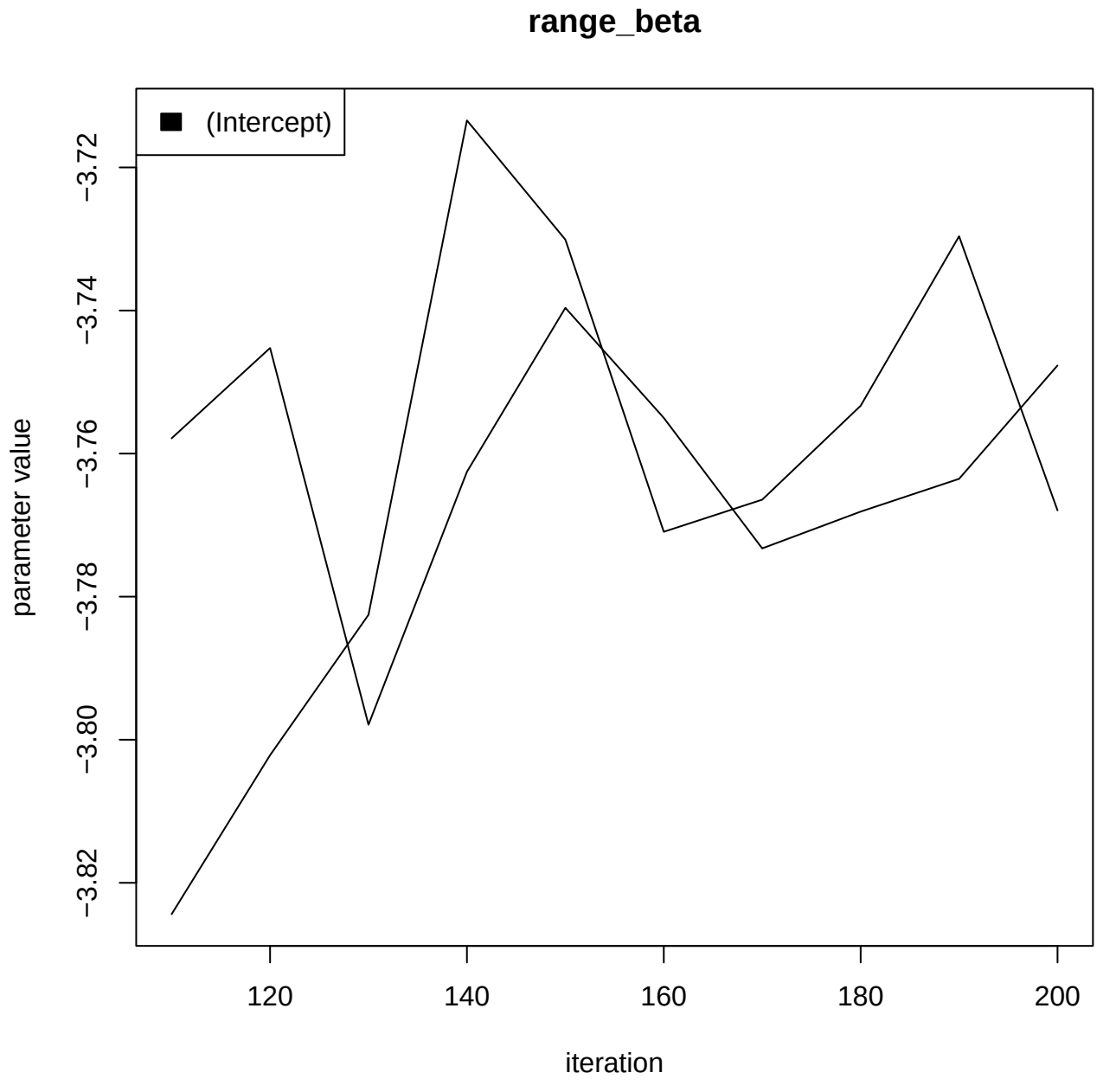

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
3.5
120
140
160
180
200
iterations

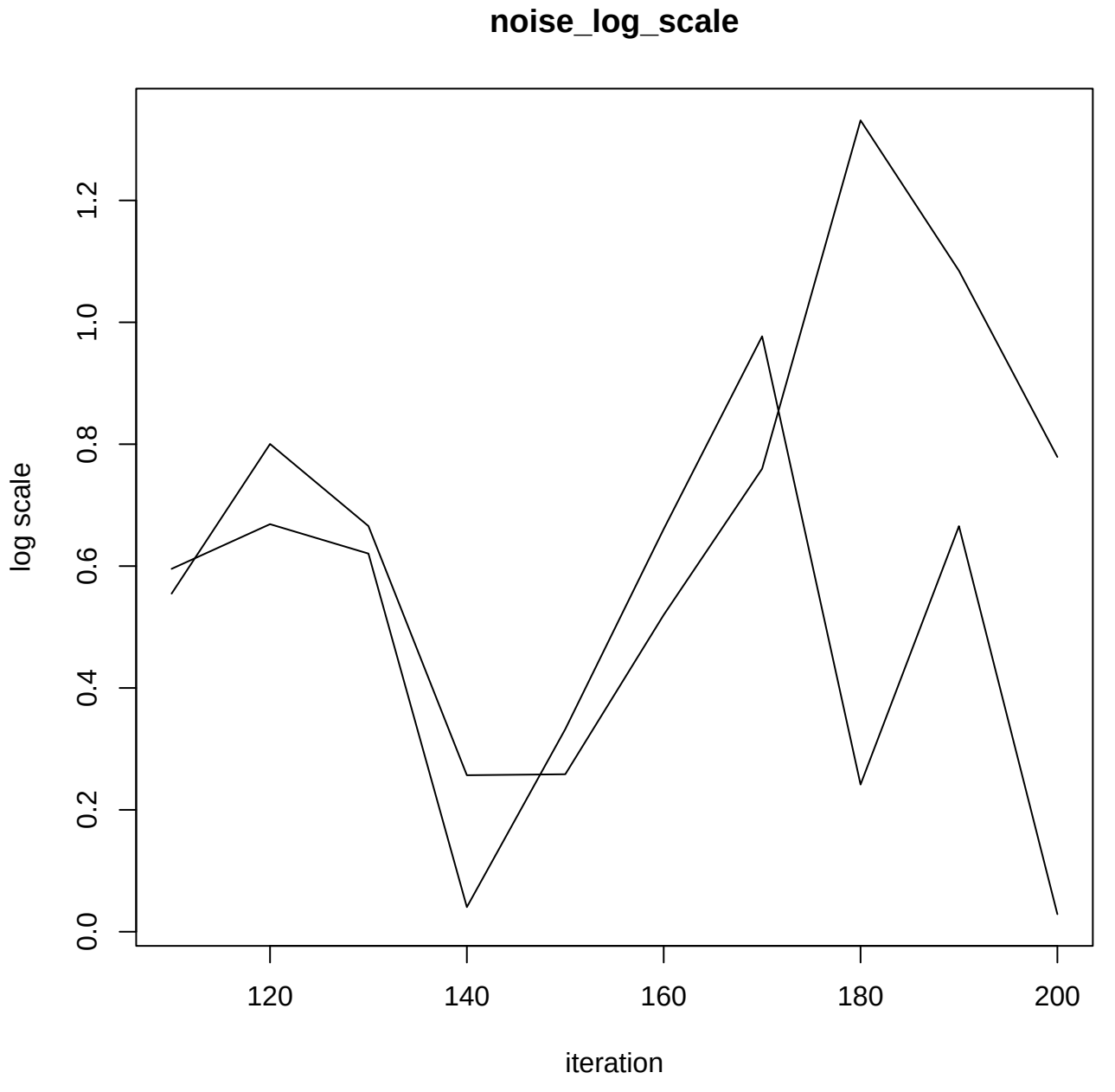

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
120
140
160
180
200
iterations

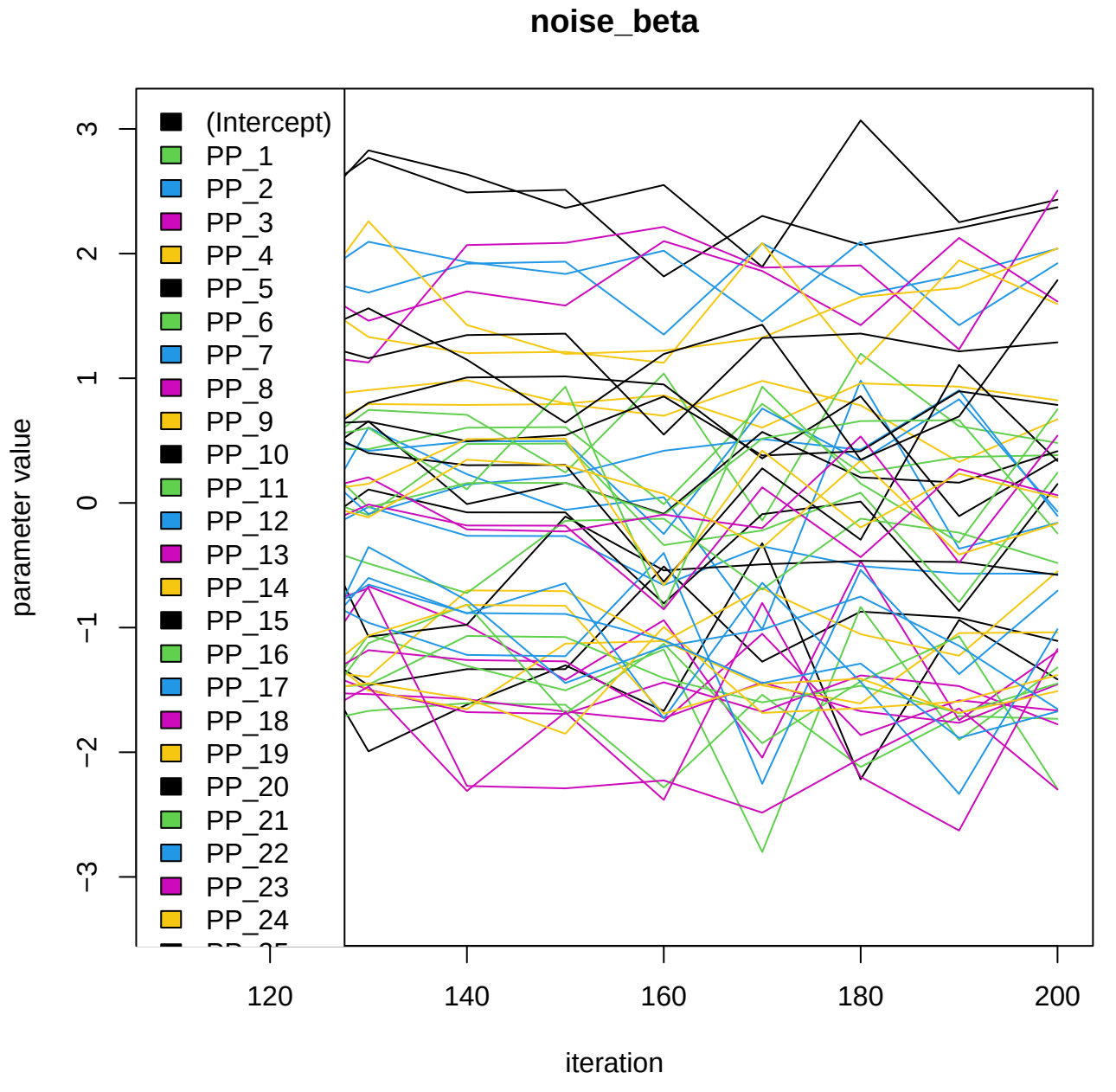

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
2.5
2.0
1.5
1.0
120
140
160
180
200
iterations

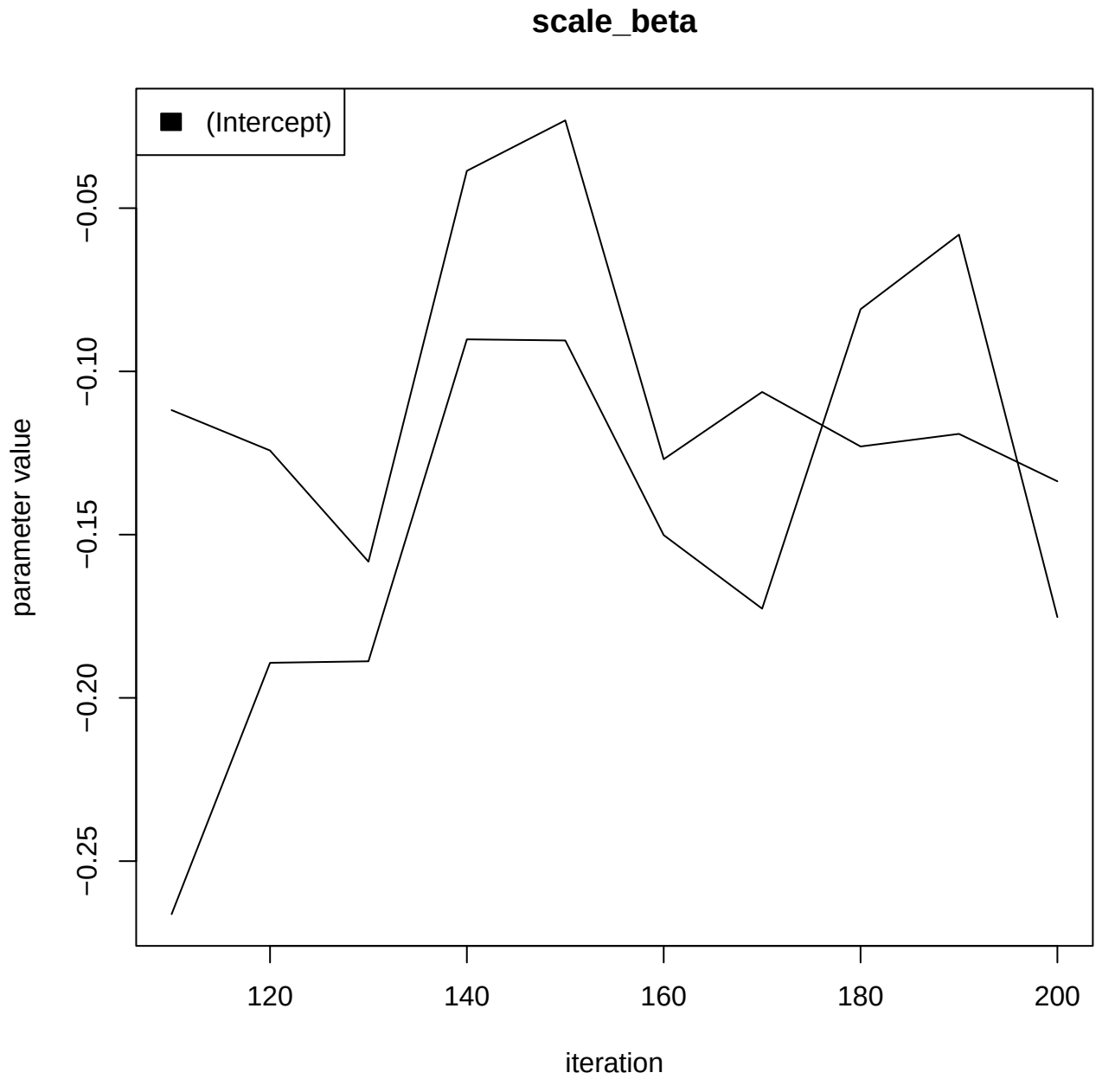

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
120
140
160
180
200
iterations

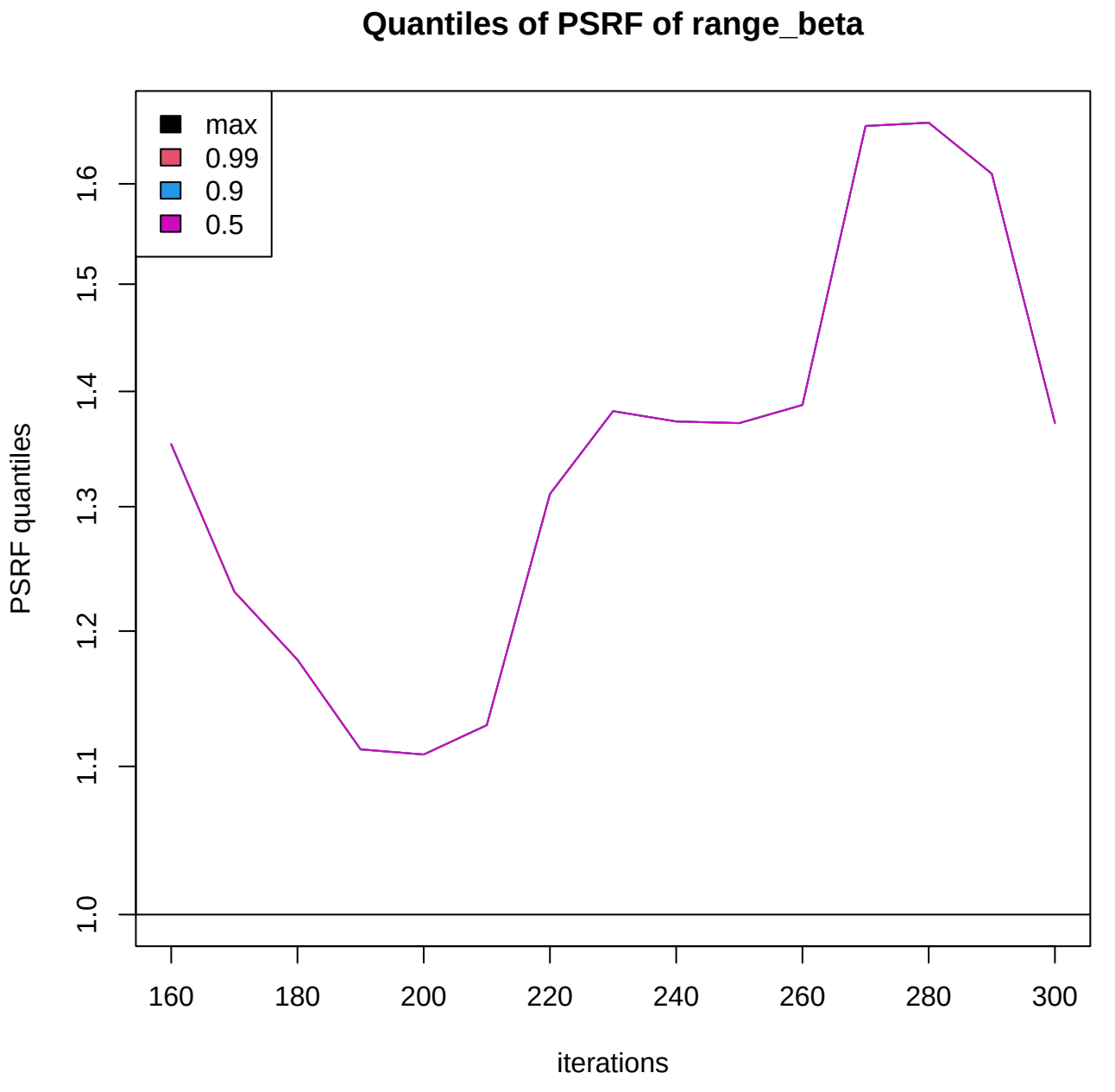

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
120
140
160
180
200
iterations


range_beta
(Intercept)
parameter value
−3.72
−3.74
−3.76
−3.78
−3.80
−3.82
120
140
160
180
200
iteration

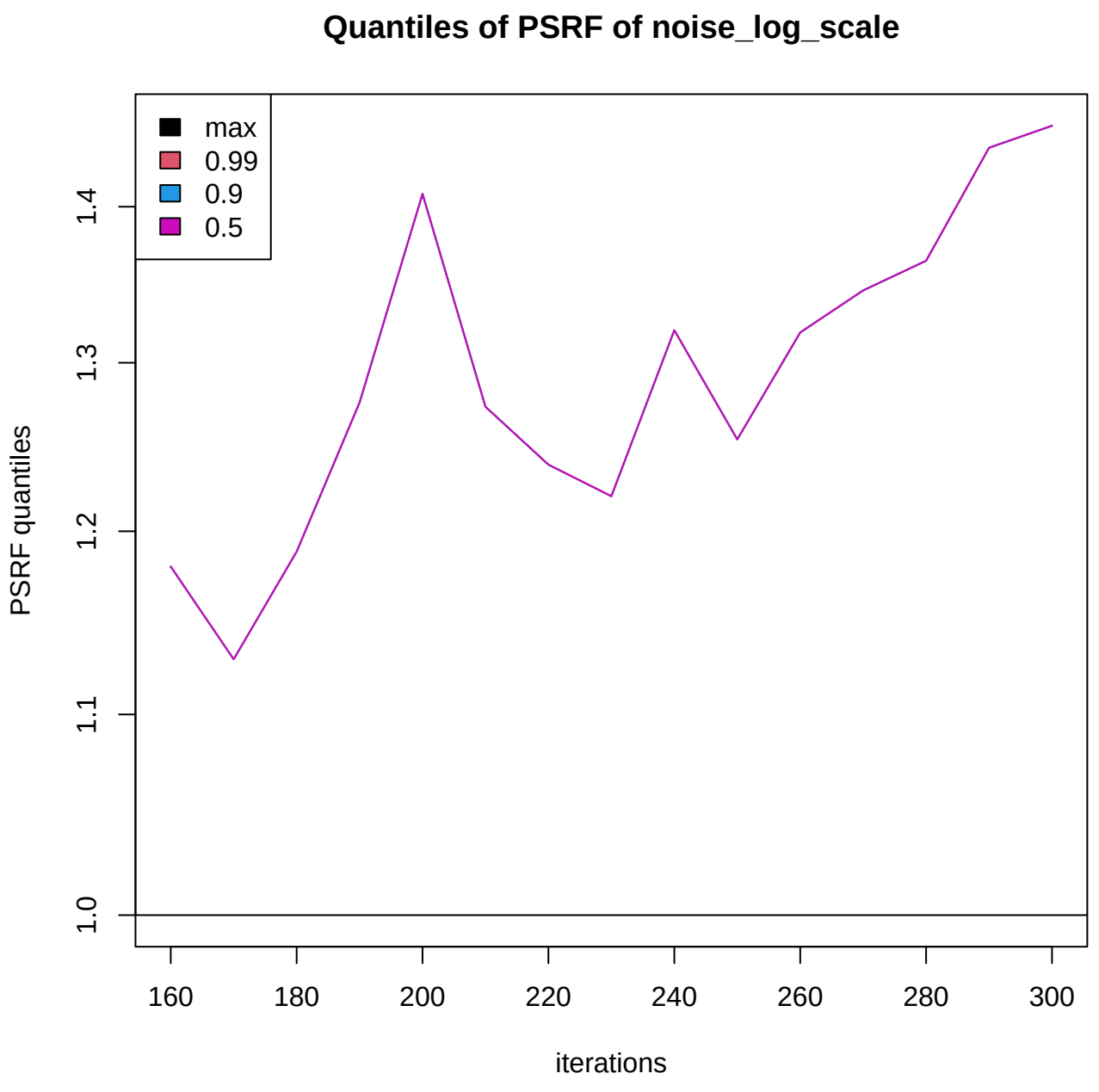

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
120
140
160
180
200
iteration

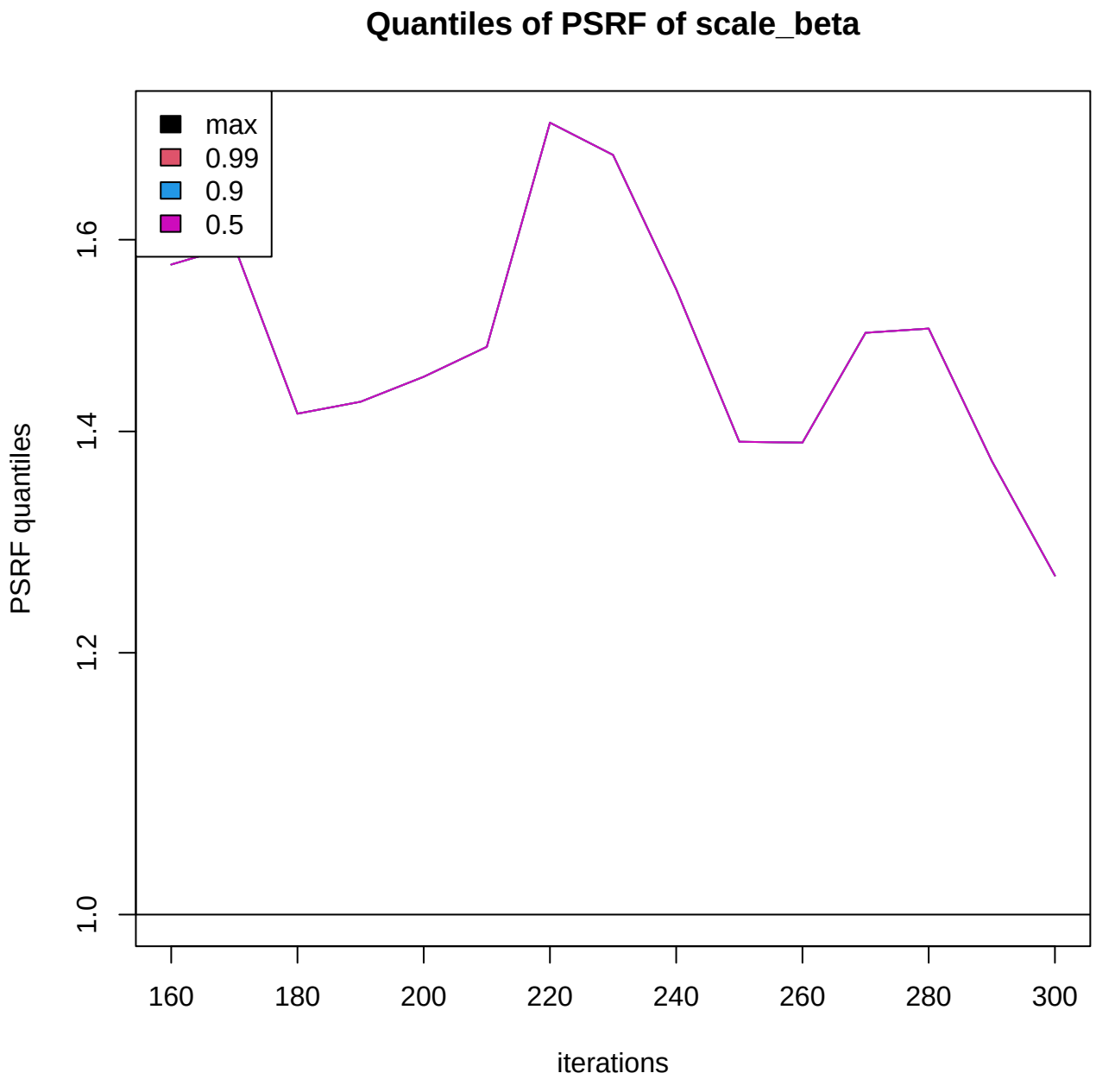

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
120
140
160
180
200
iteration

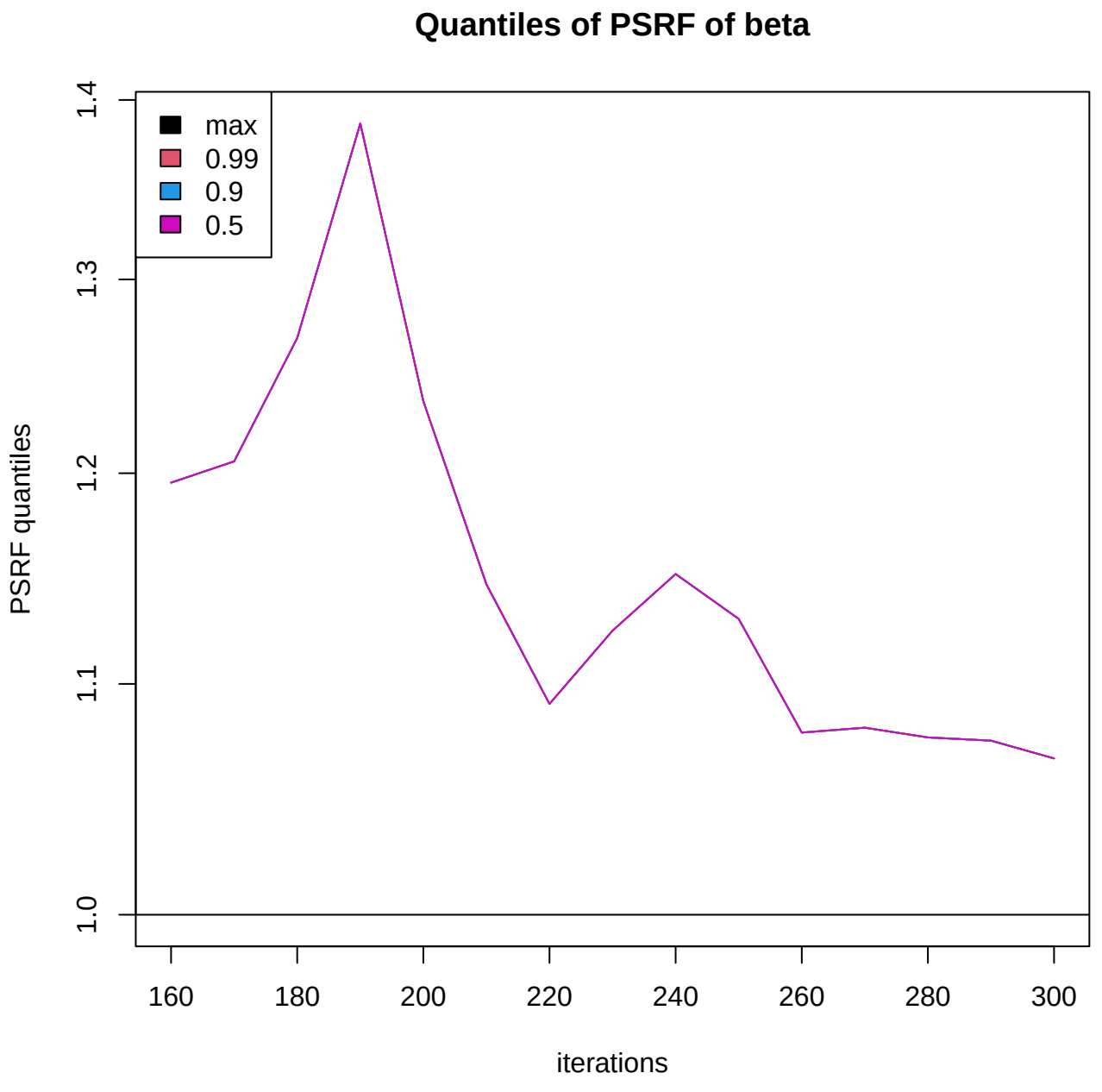

scale_beta
(Intercept)
parameter value
−0.05
−0.10
−0.15
−0.20
−0.25
120
140
160
180
200
iteration

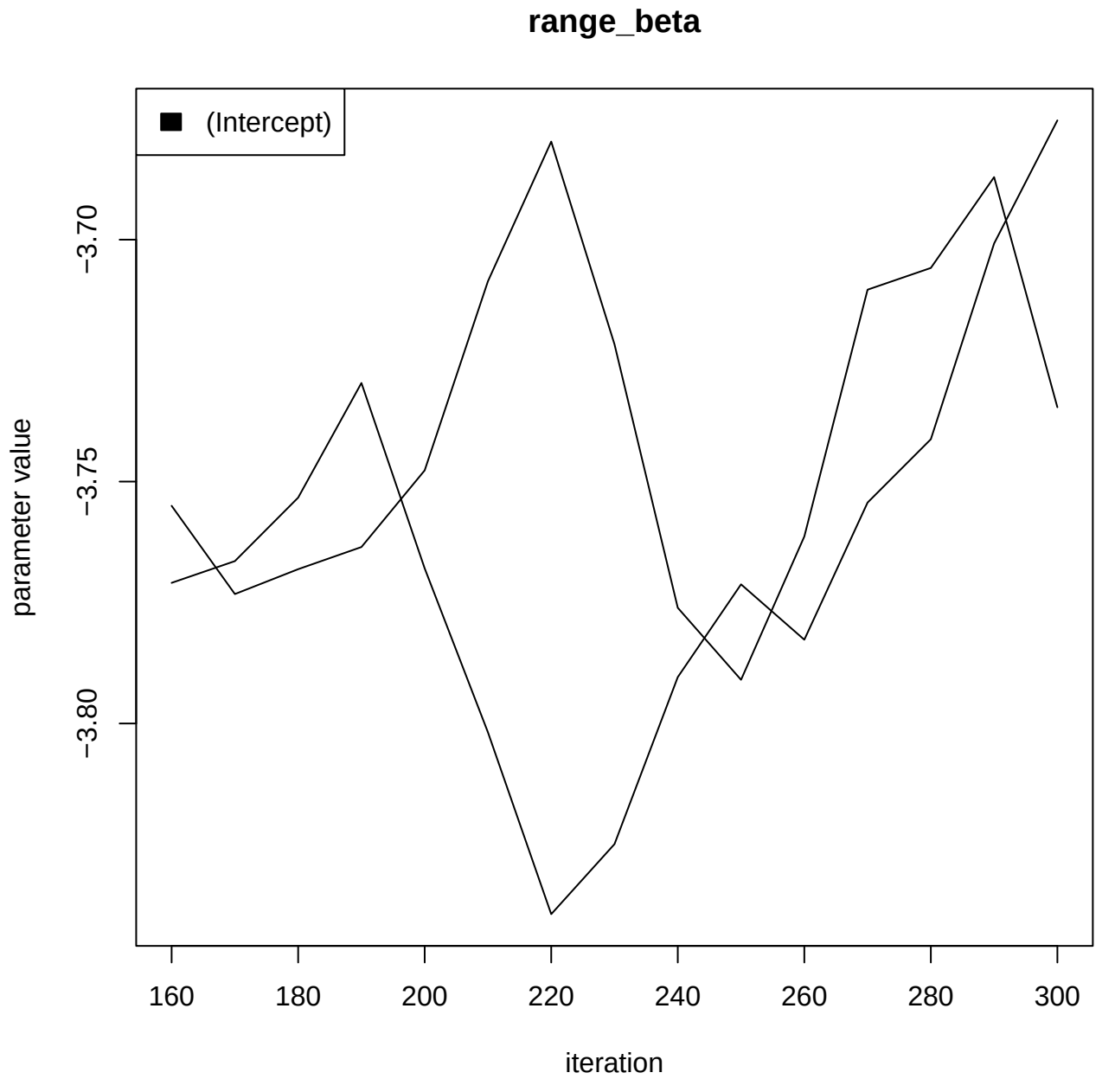

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1.6
160
180
200
220
240
260
280
300
iterations

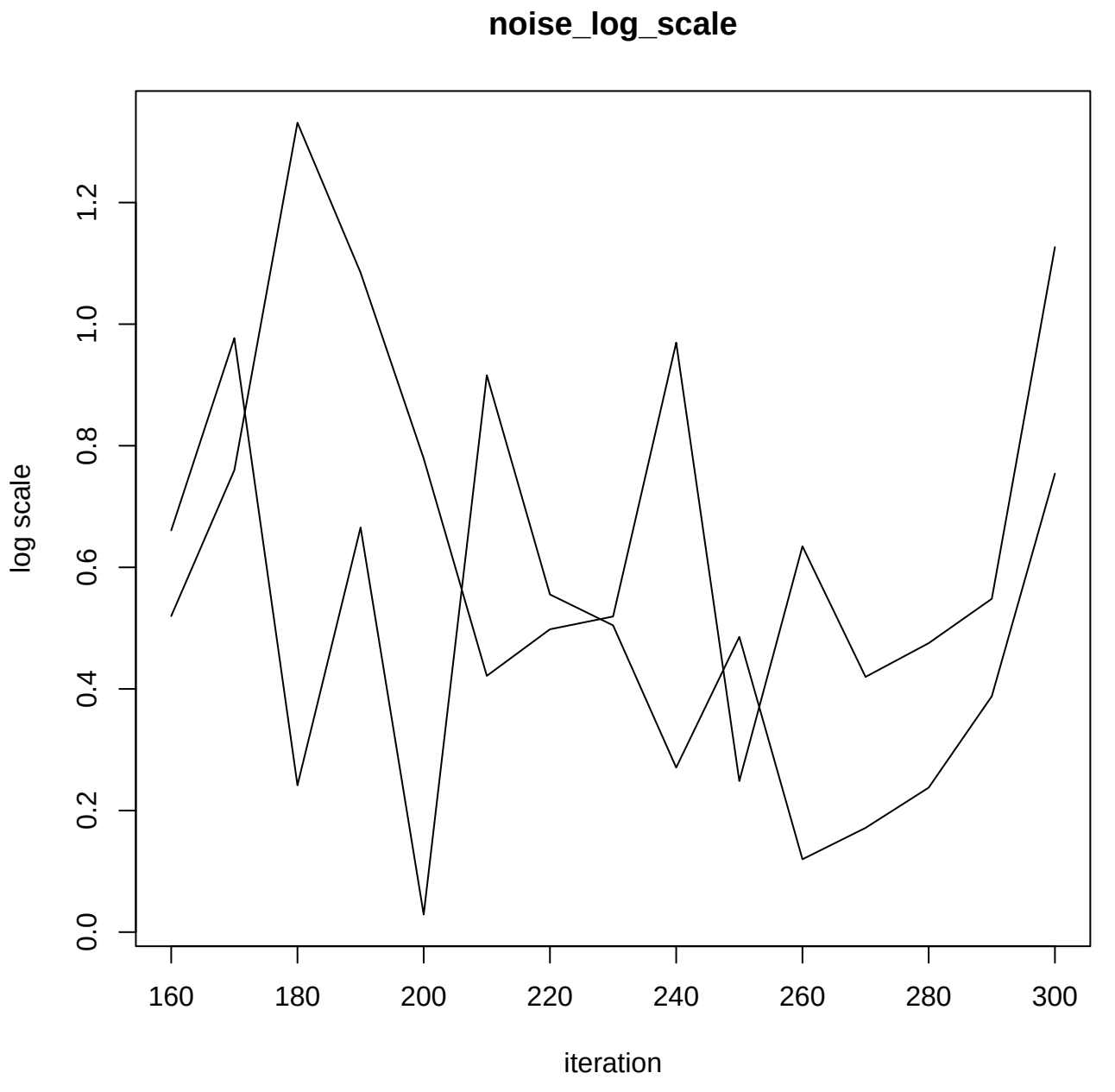
Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
2.5
2.0
1.5
1.0
160
180
200
220
240
260
280
300
iterations

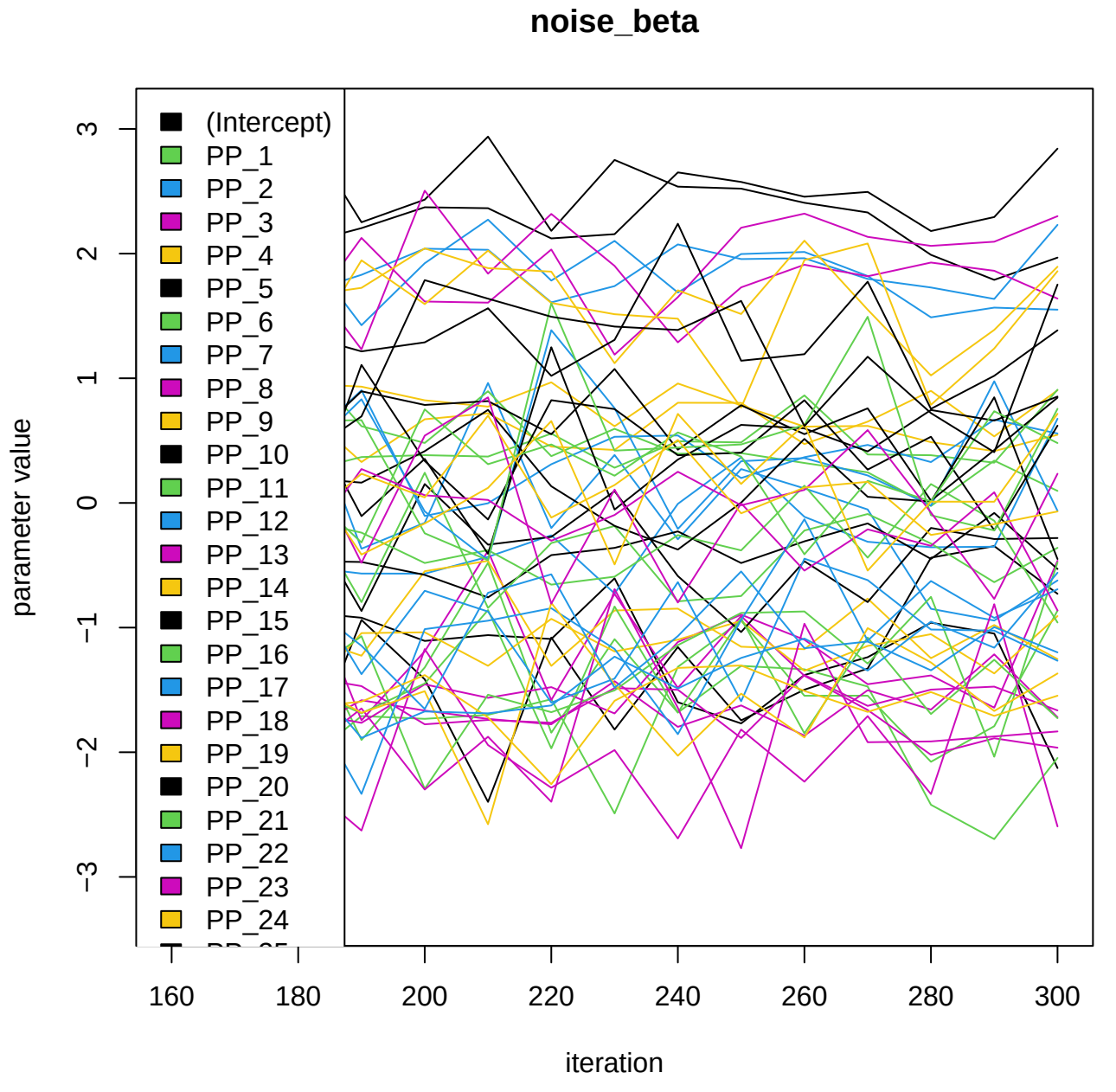

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
160
180
200
220
240
260
280
300
iterations

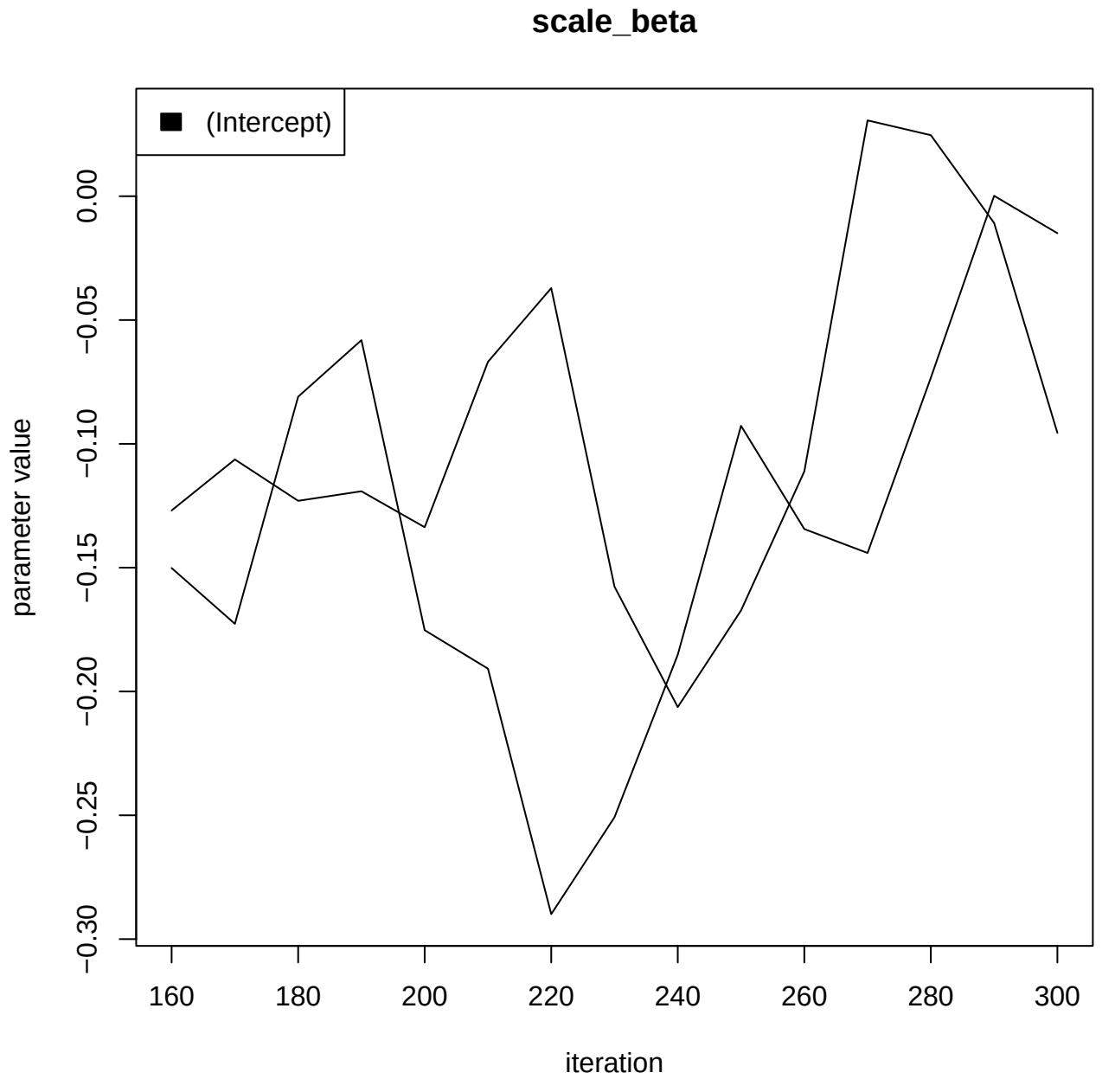

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.2
1.4
1.6
160
180
200
220
240
260
280
300
iterations

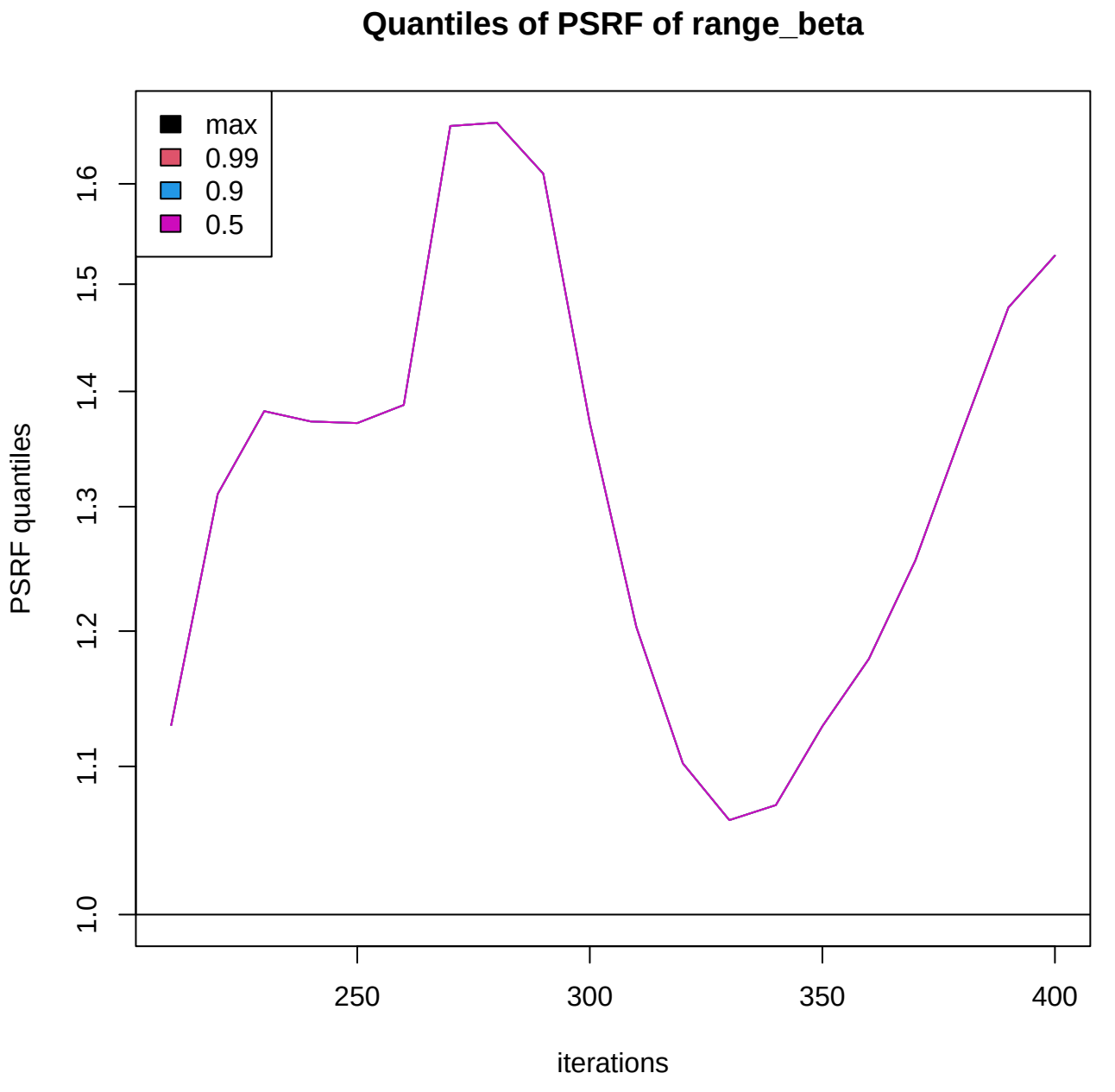

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
160
180
200
220
240
260
280
300
iterations

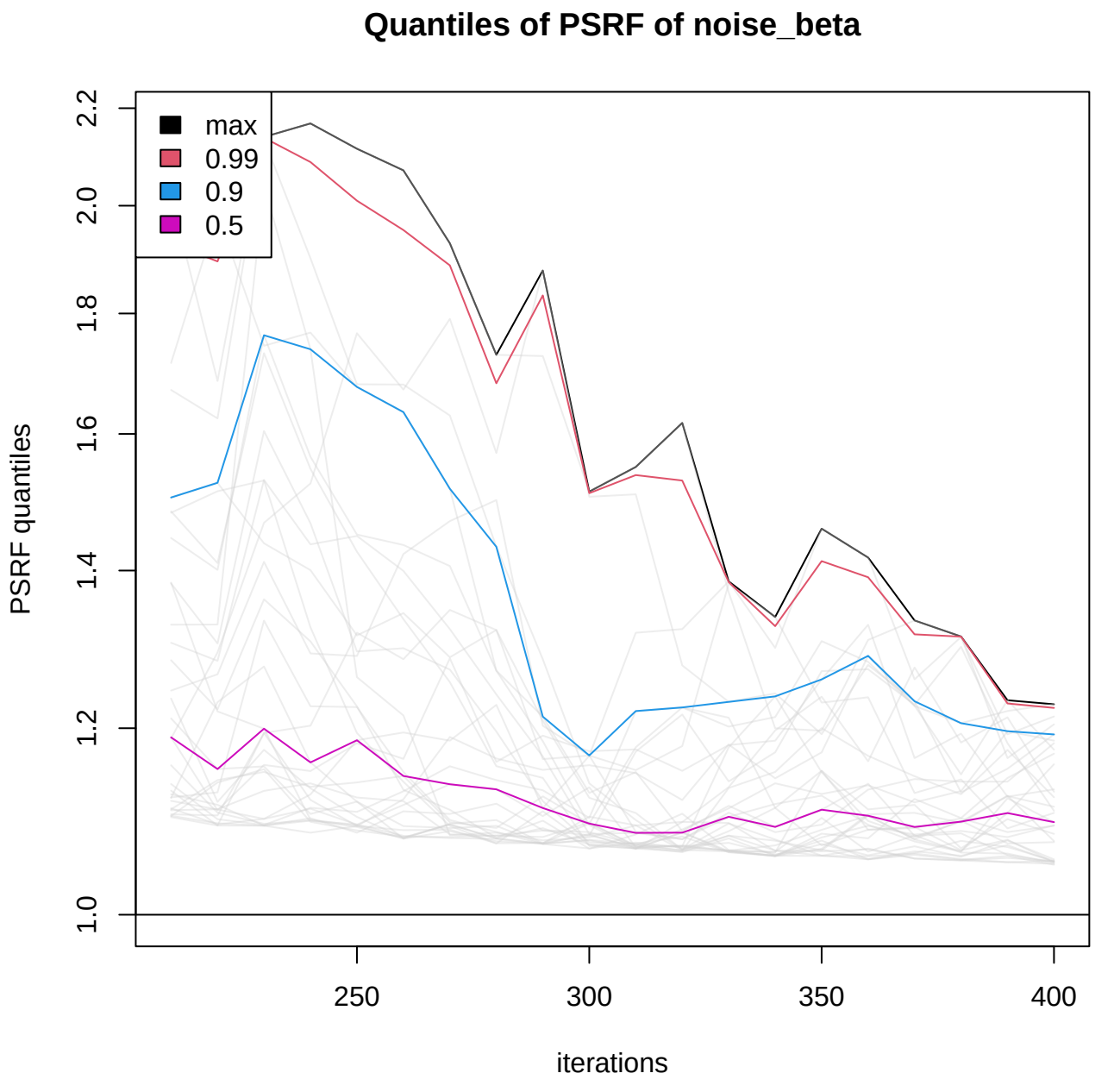

range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
160
180
200
220
240
260
280
300
iteration

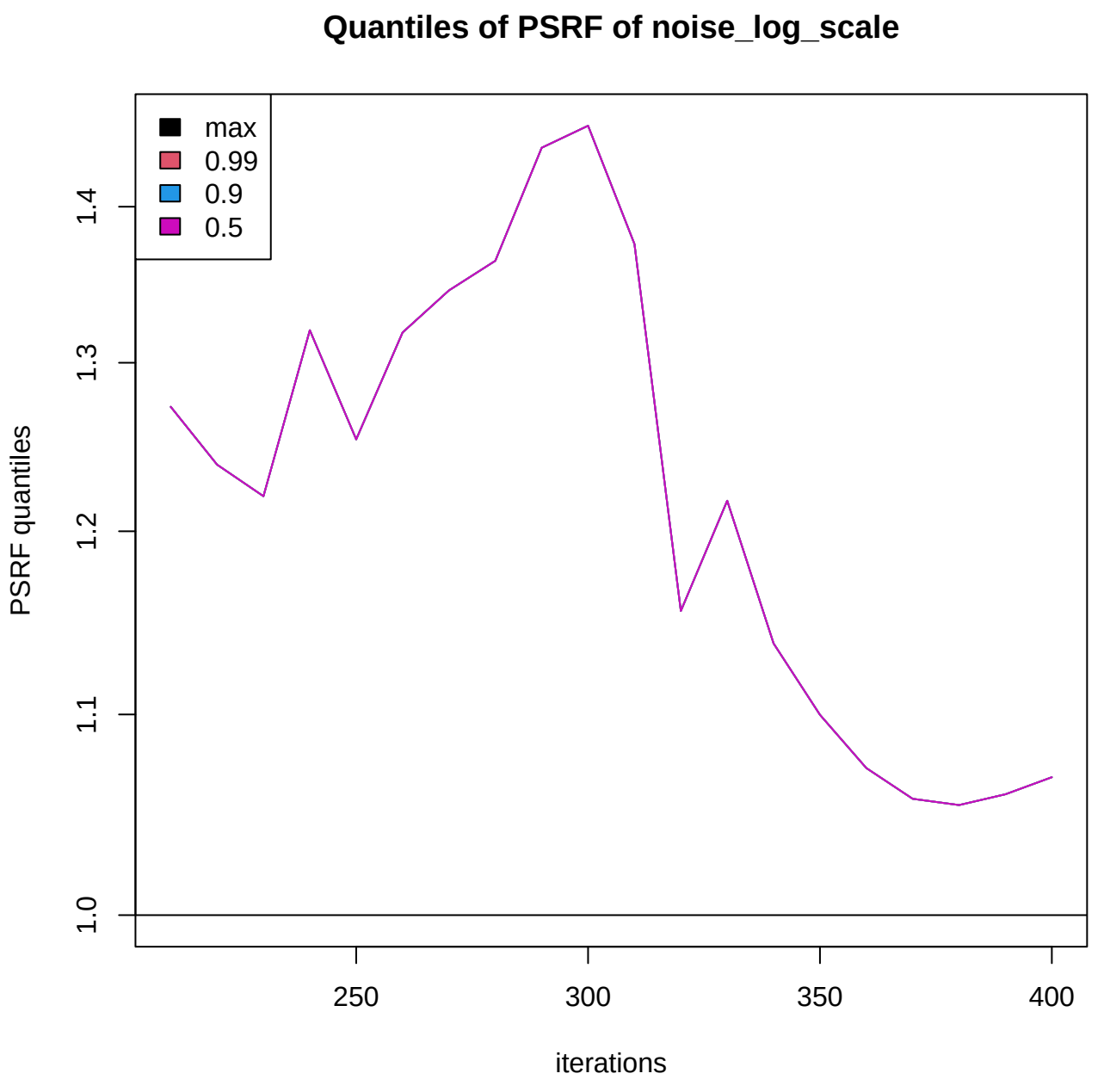

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
160
180
200
220
240
260
280
300
iteration

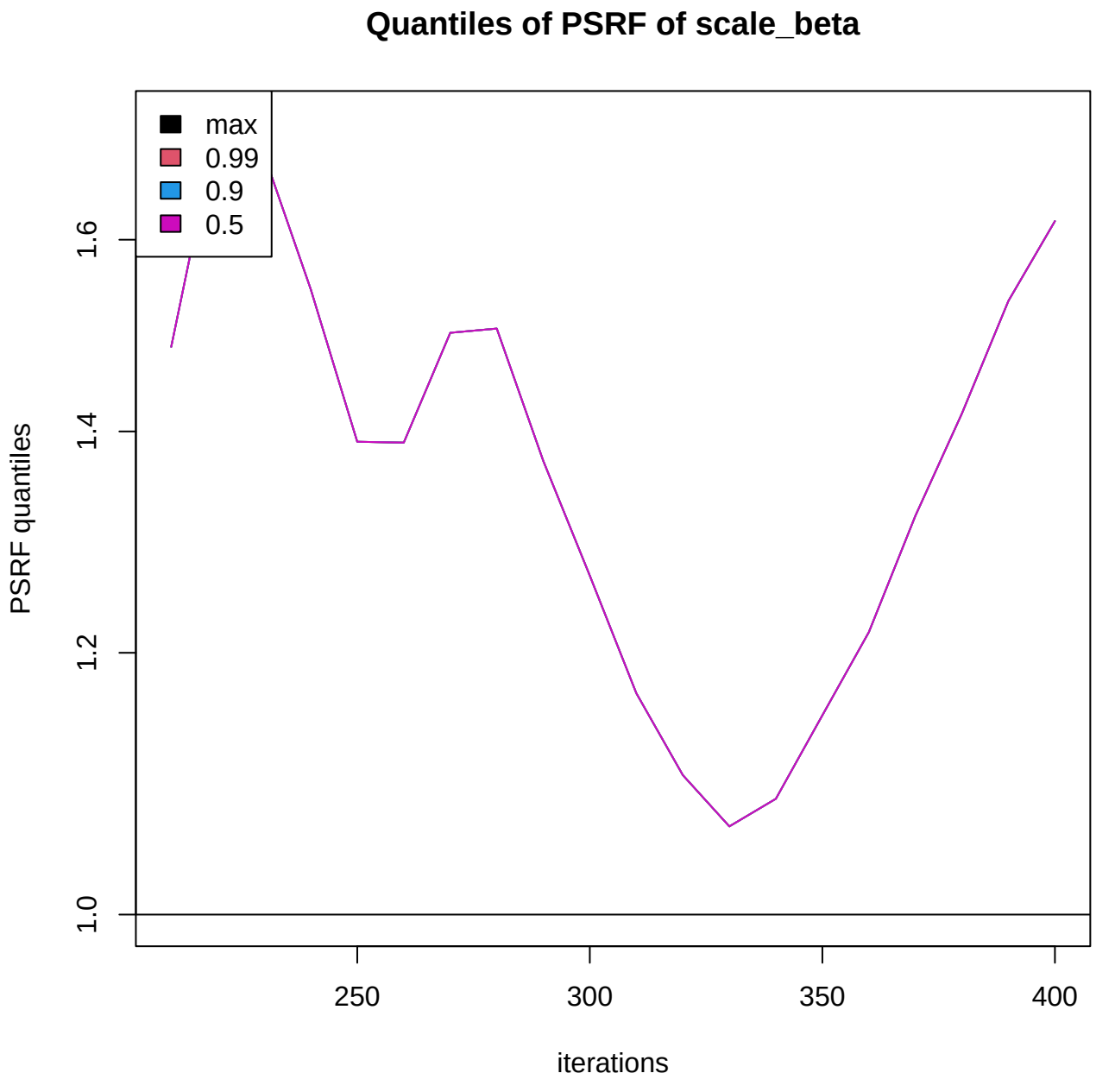

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
160
180
200
220
240
260
280
300
iteration

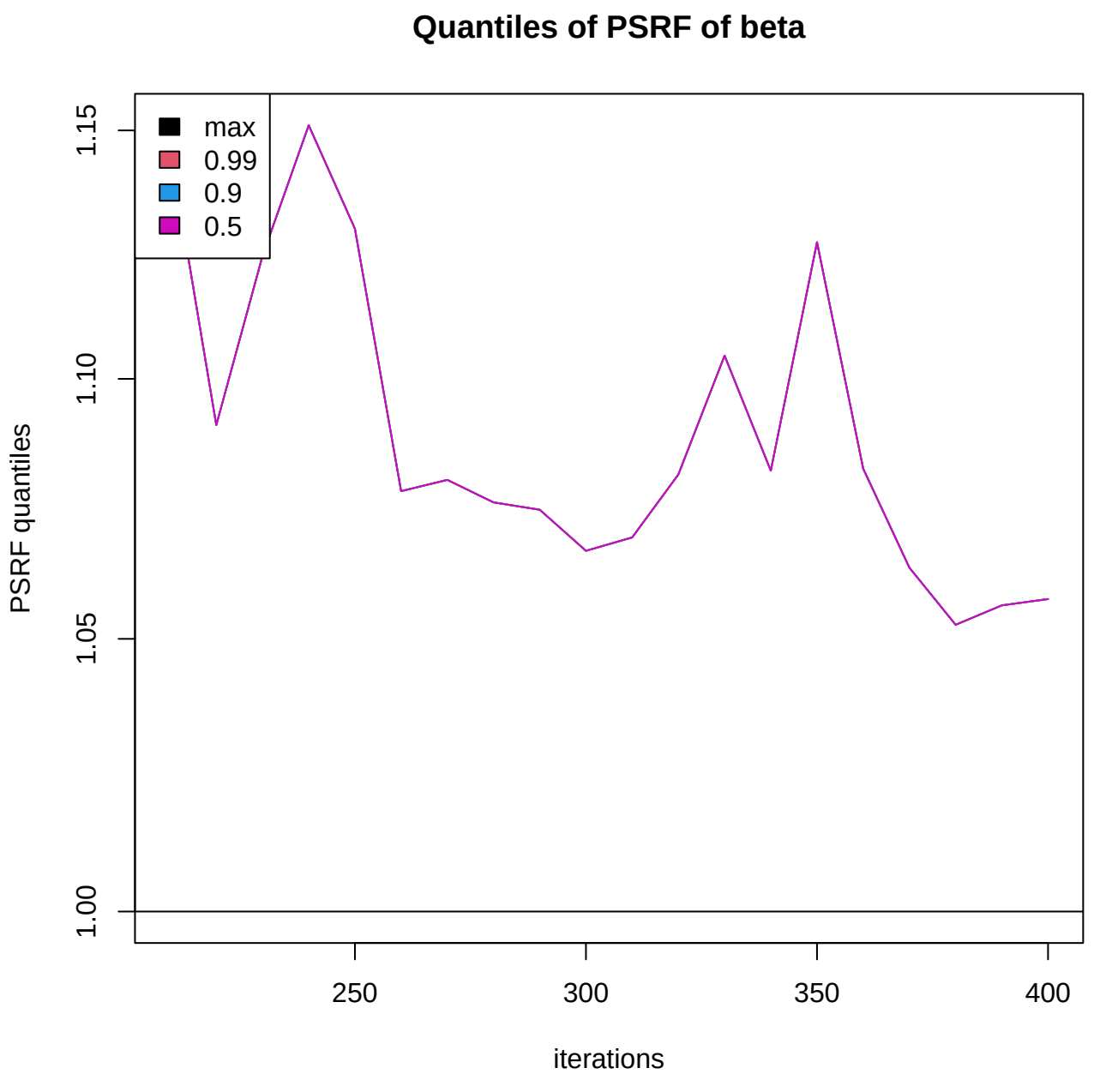

scale_beta
(Intercept)
parameter value
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
160
180
200
220
240
260
280
300
iteration

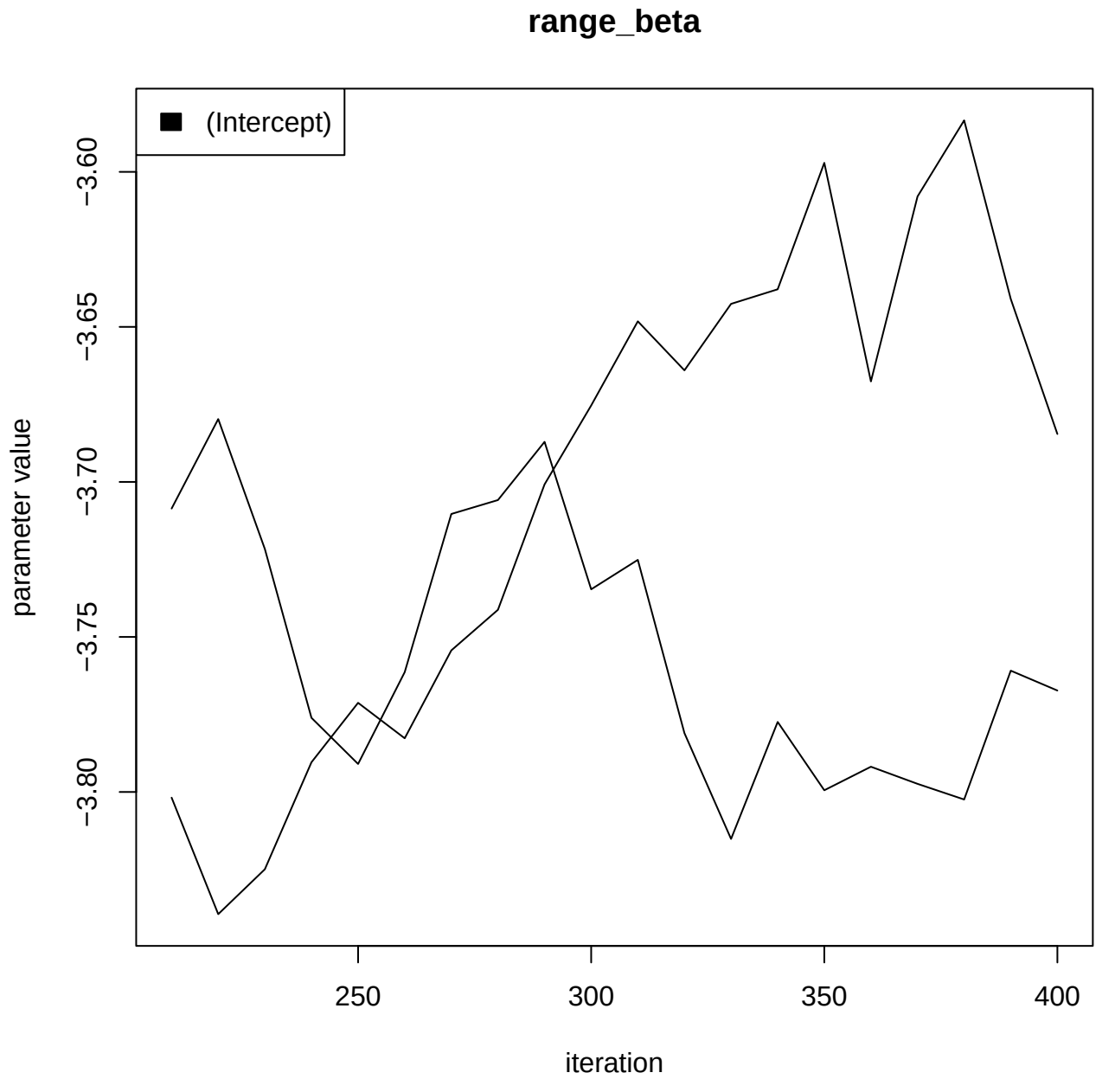

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1.6
250
300
350
400
iterations

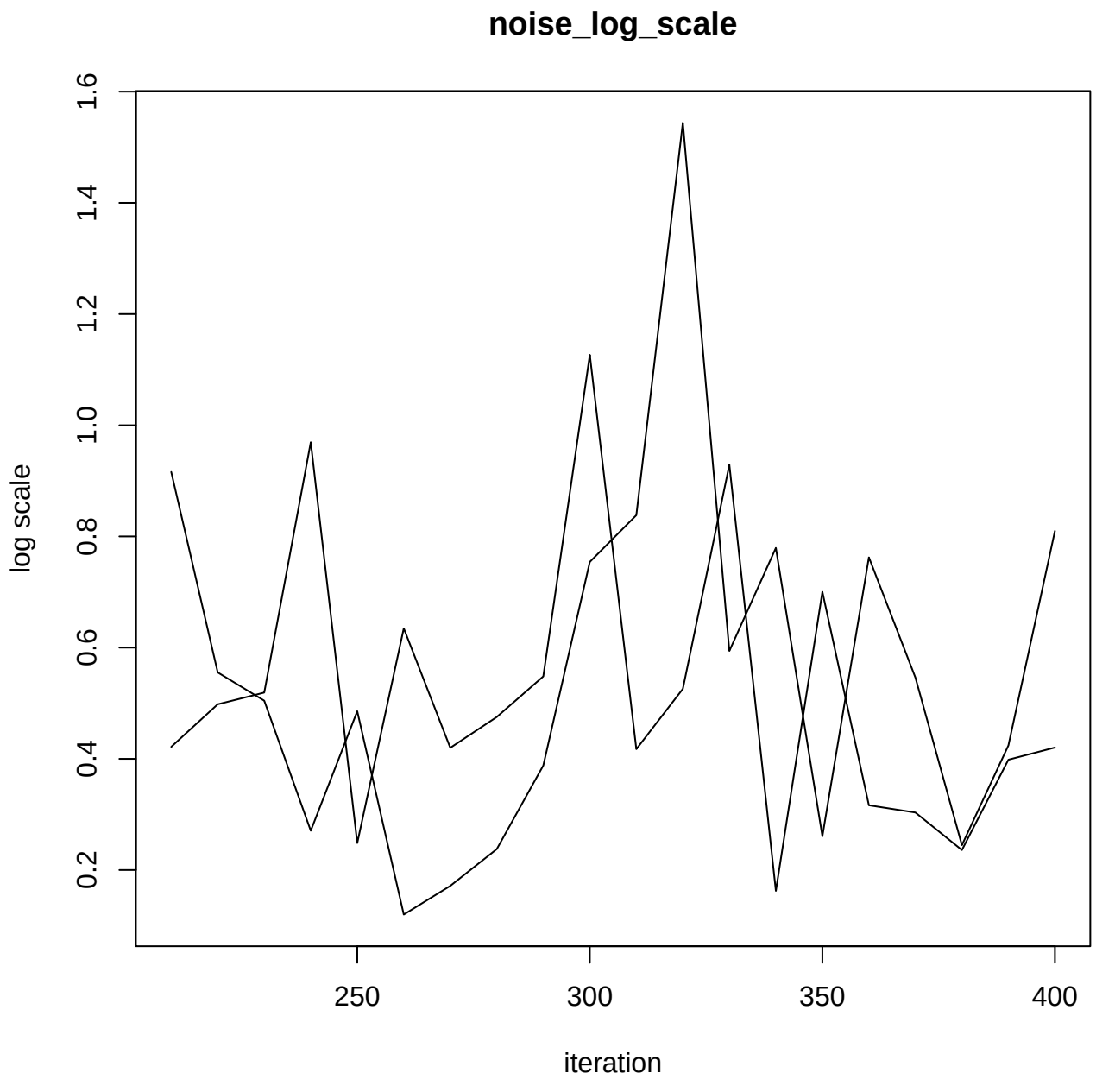

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.2
1.4
1.6
1.8
2.0
2.2
250
300
350
400
iterations

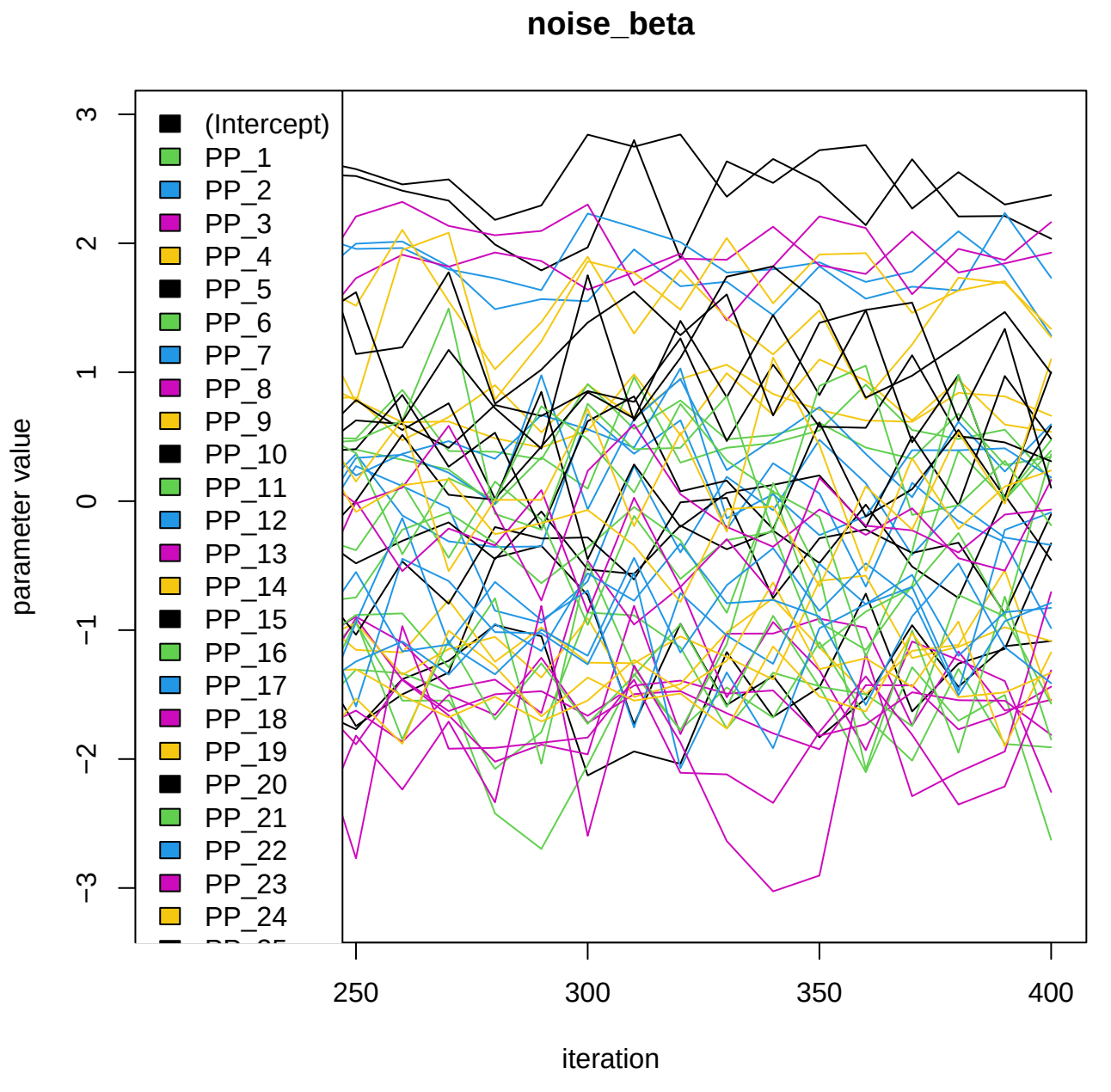

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
250
300
350
400
iterations

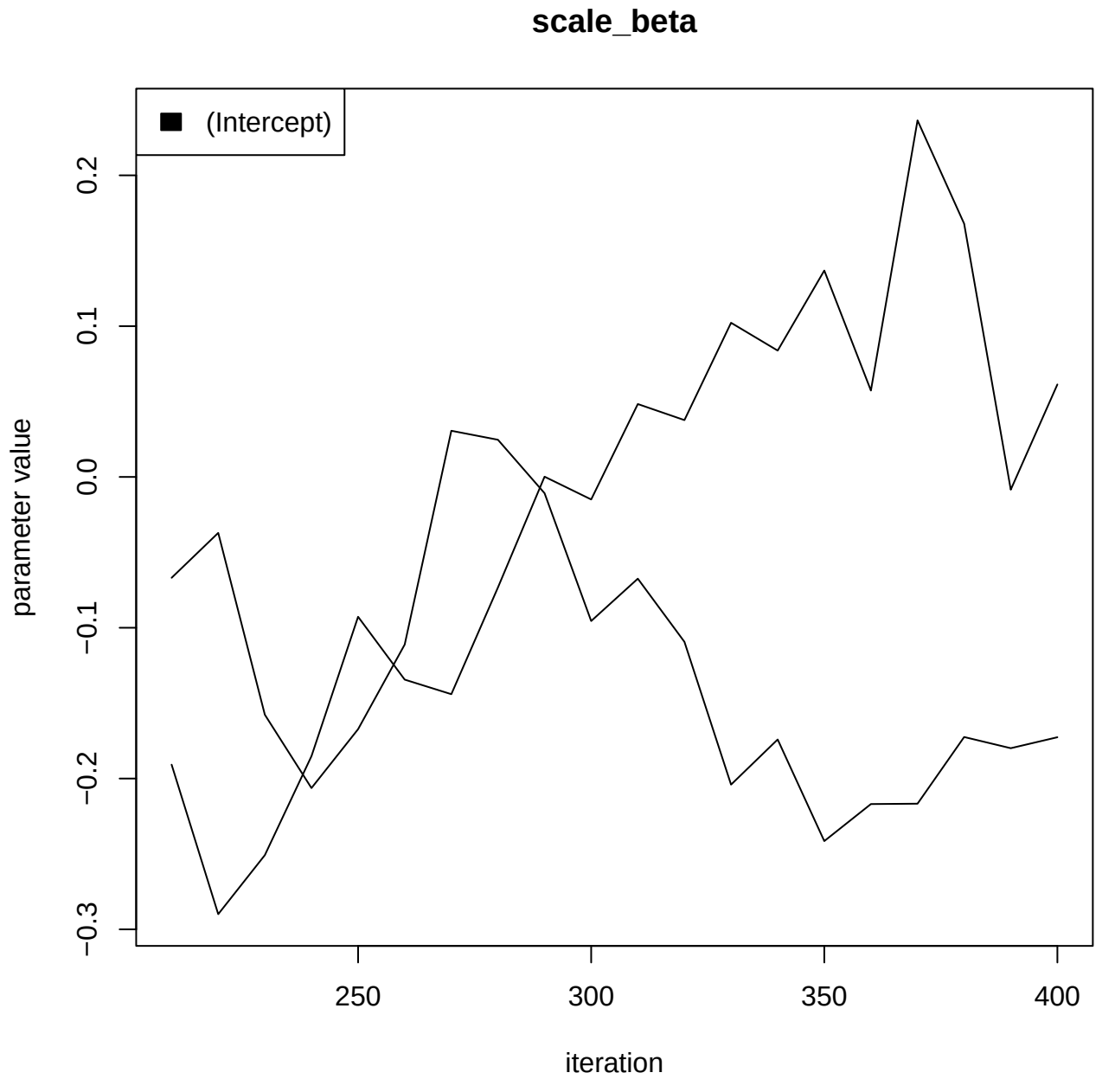

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.2
1.4
1.6
250
300
350
400
iterations

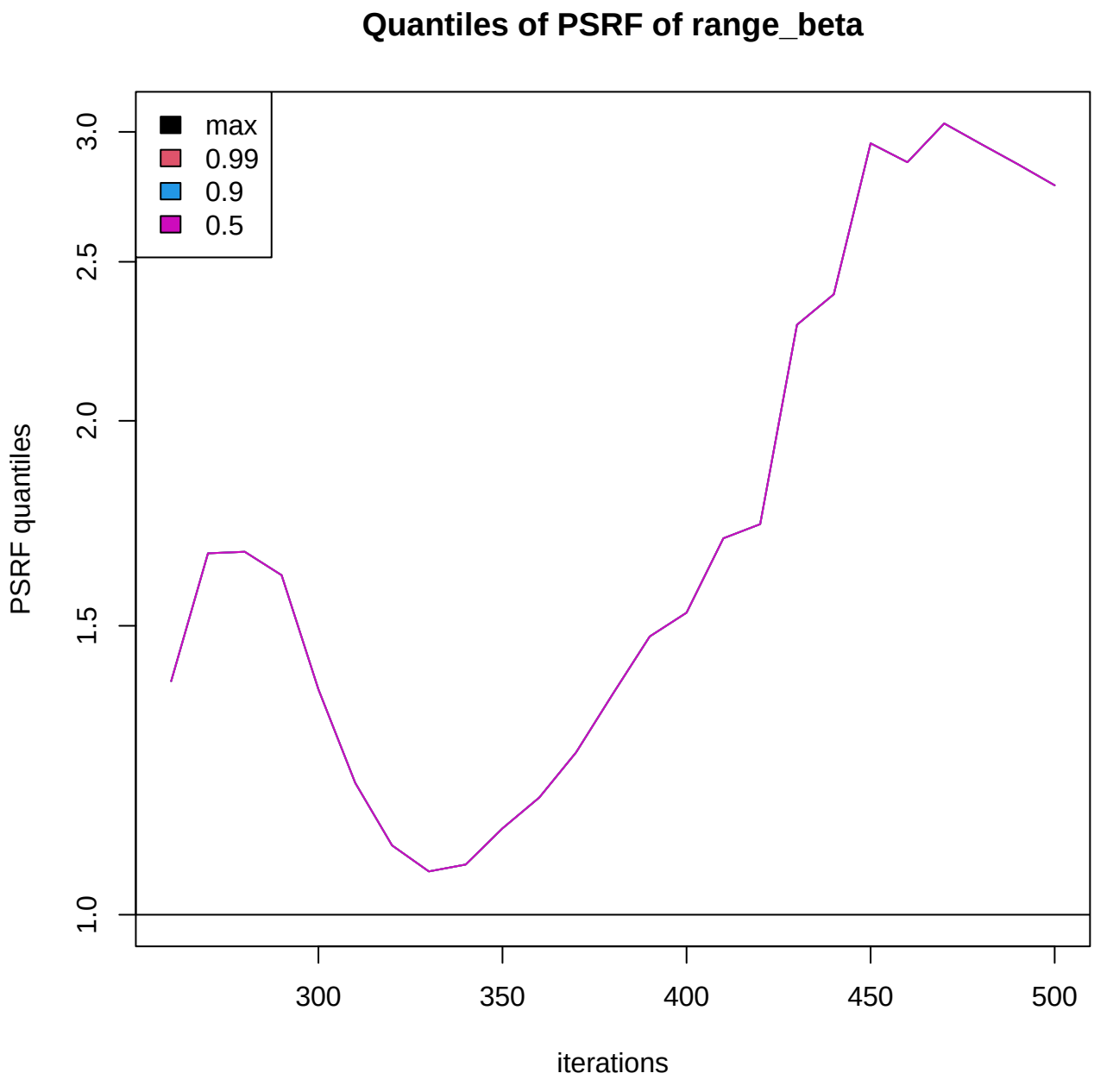

Quantiles of PSRF of beta
max
0.99
0.9
0.5
1.15
1.10
1.05
1.00
PSRF quantiles
250
300
350
400
iterations

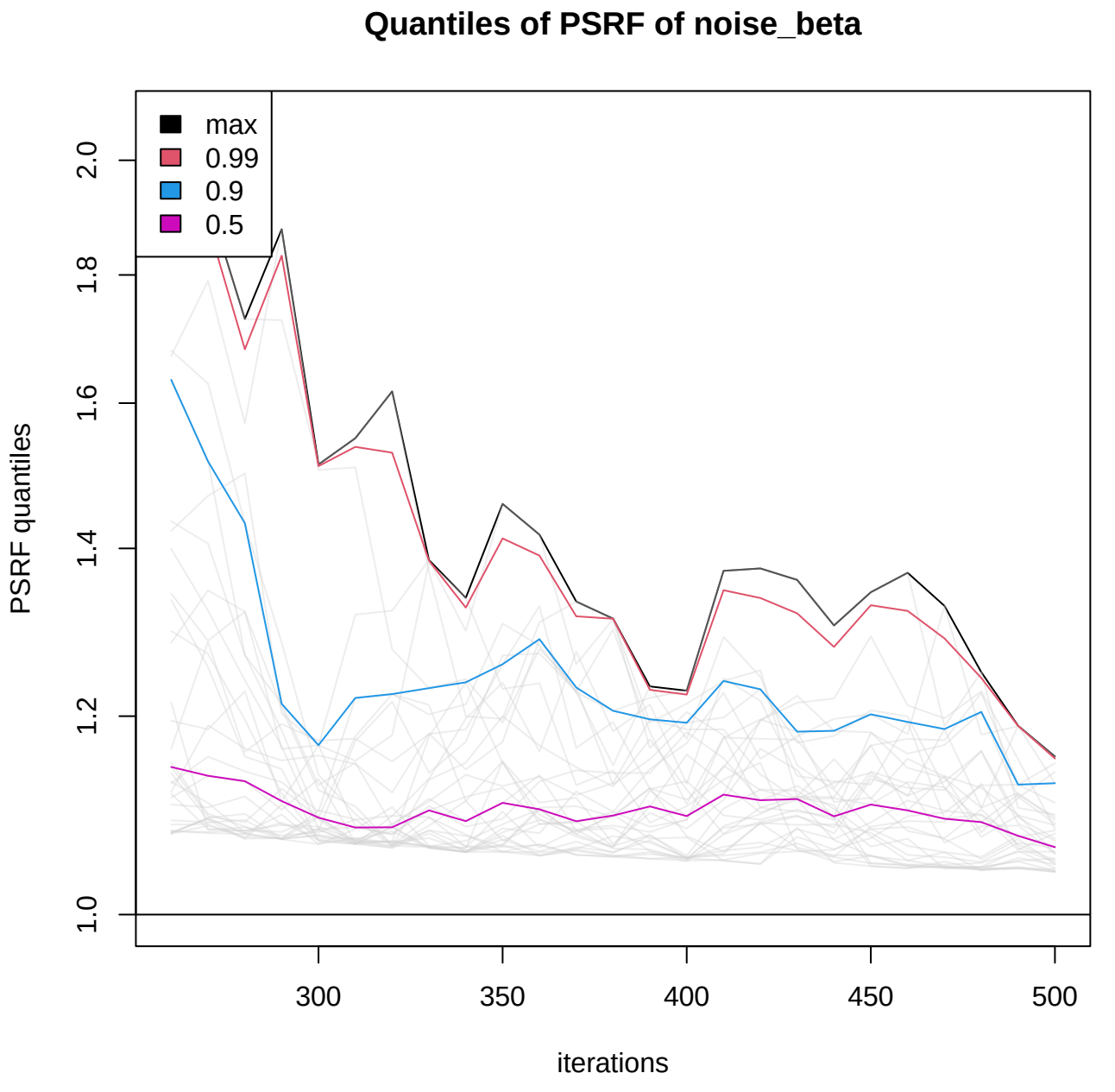

range_beta
(Intercept)
parameter value
−3.60
−3.65
−3.70
−3.75
−3.80
250
300
350
400
iteration

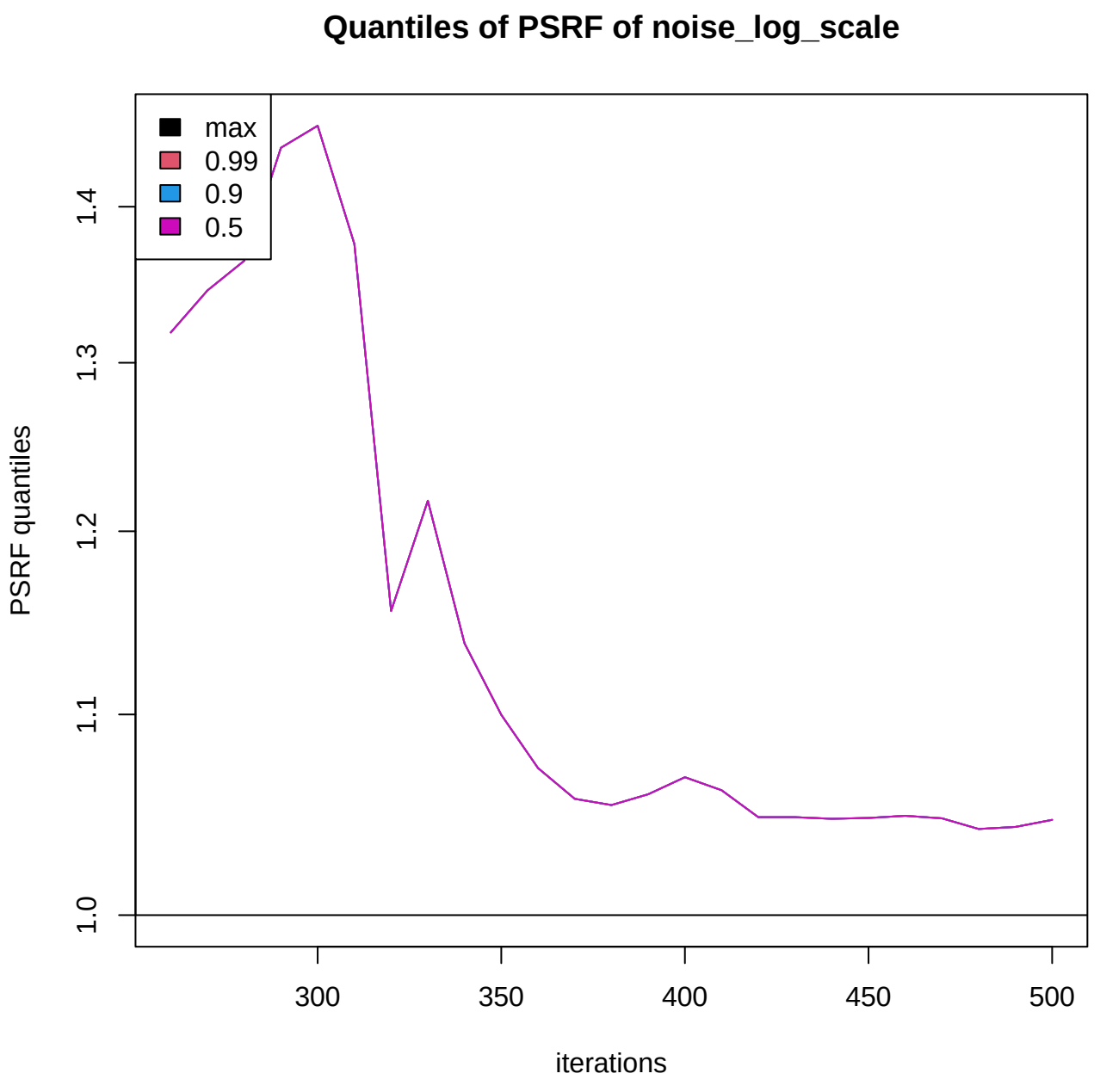

noise_log_scale
log scale
iteration
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
250
300
350
400

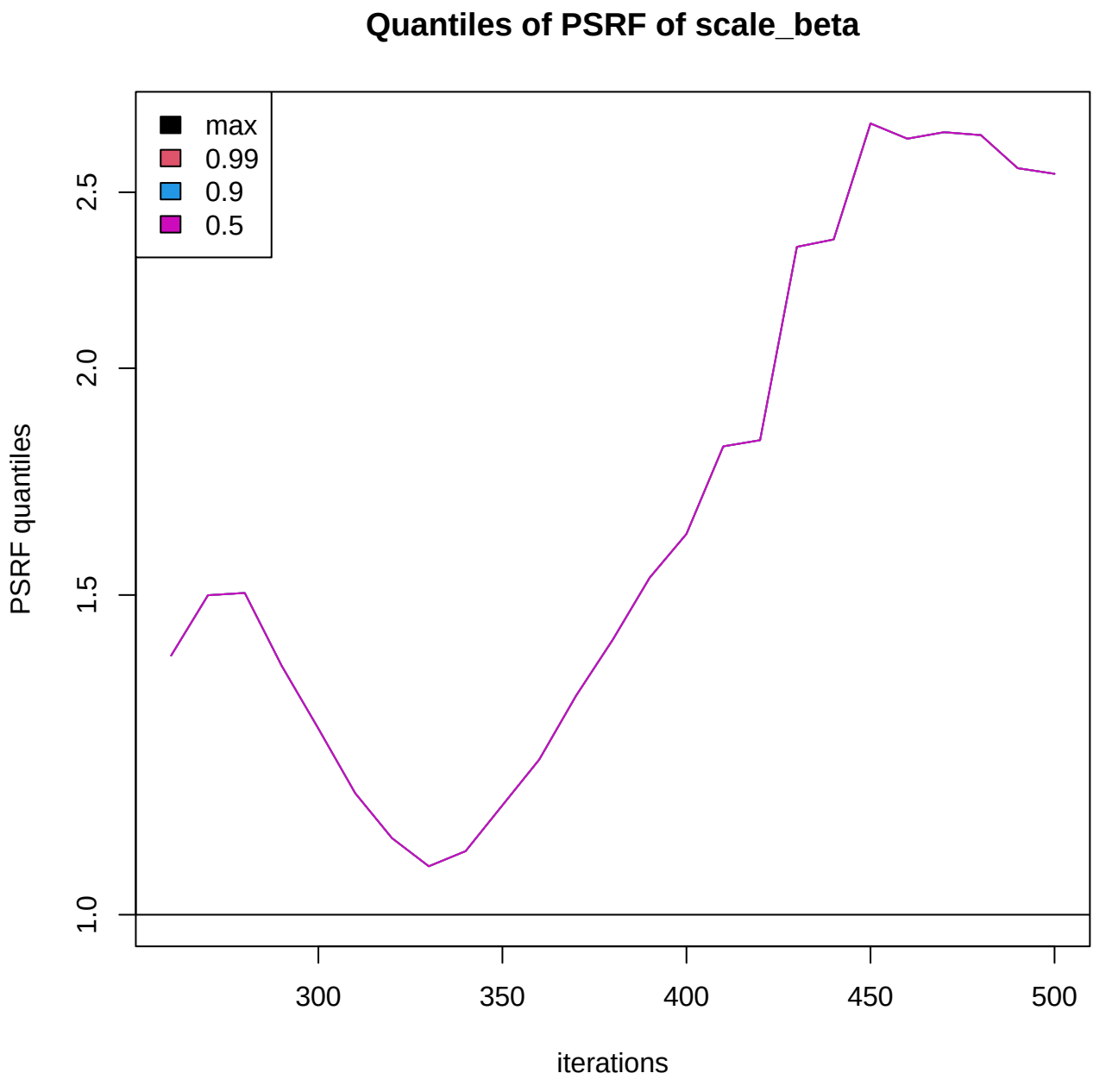

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
250
300
350
400
iteration

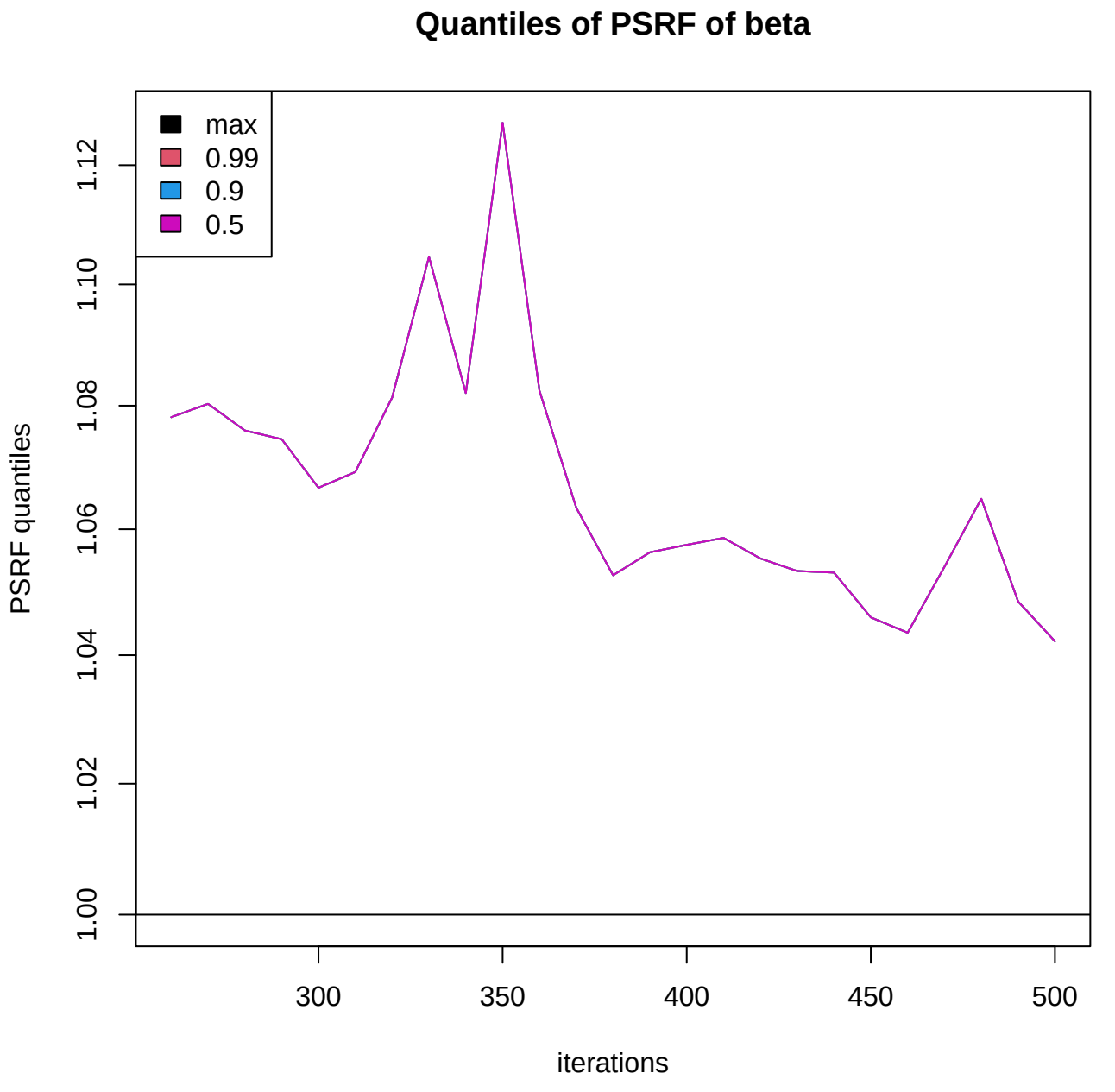

scale_beta
(Intercept)
parameter value
0.2
0.1
0.0
−0.1
−0.2
−0.3
250
300
350
400
iteration

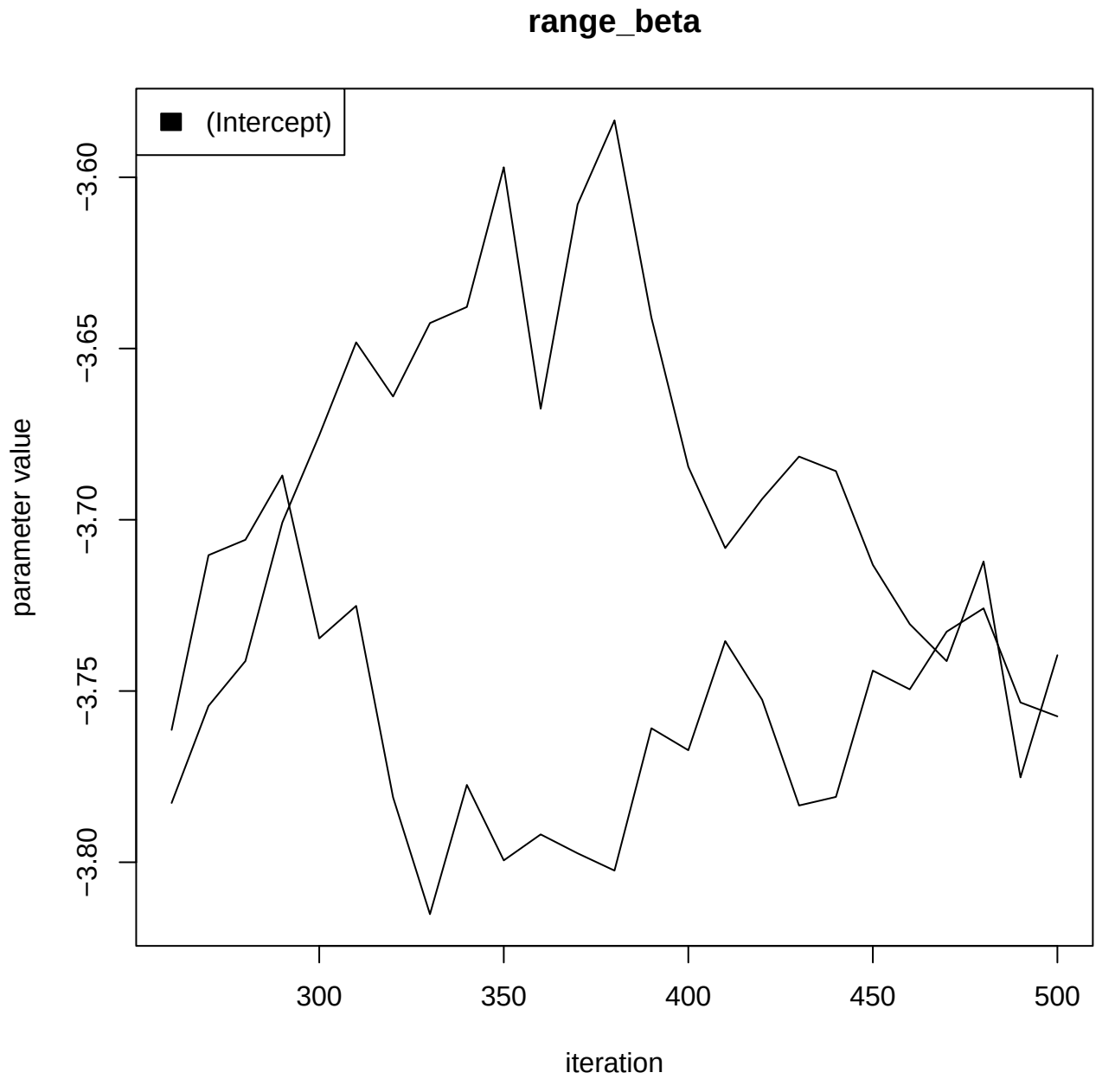

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
300
350
400
450
500
iterations

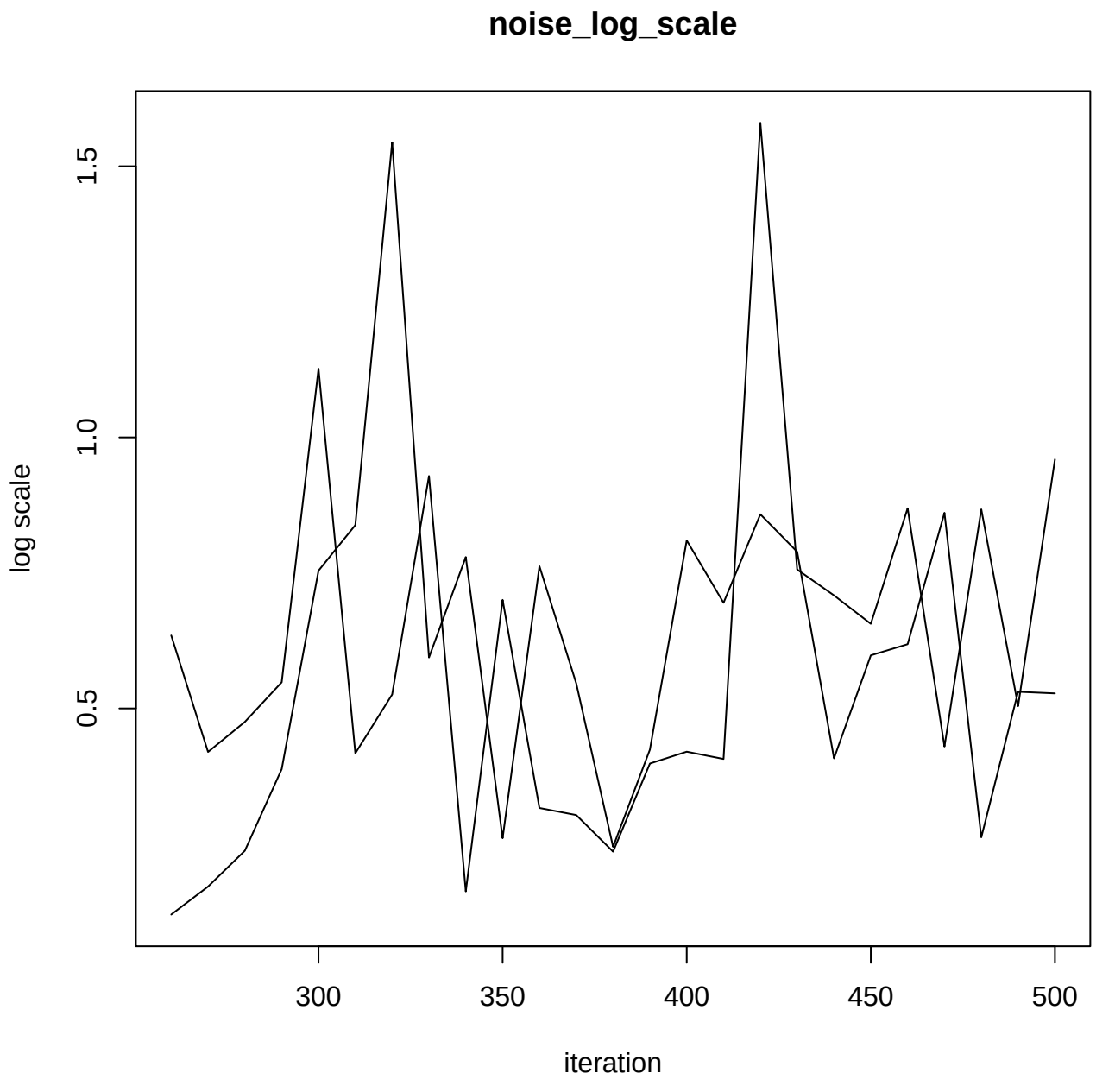

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.2
1.4
1.6
1.8
2.0
300
350
400
450
500
iterations

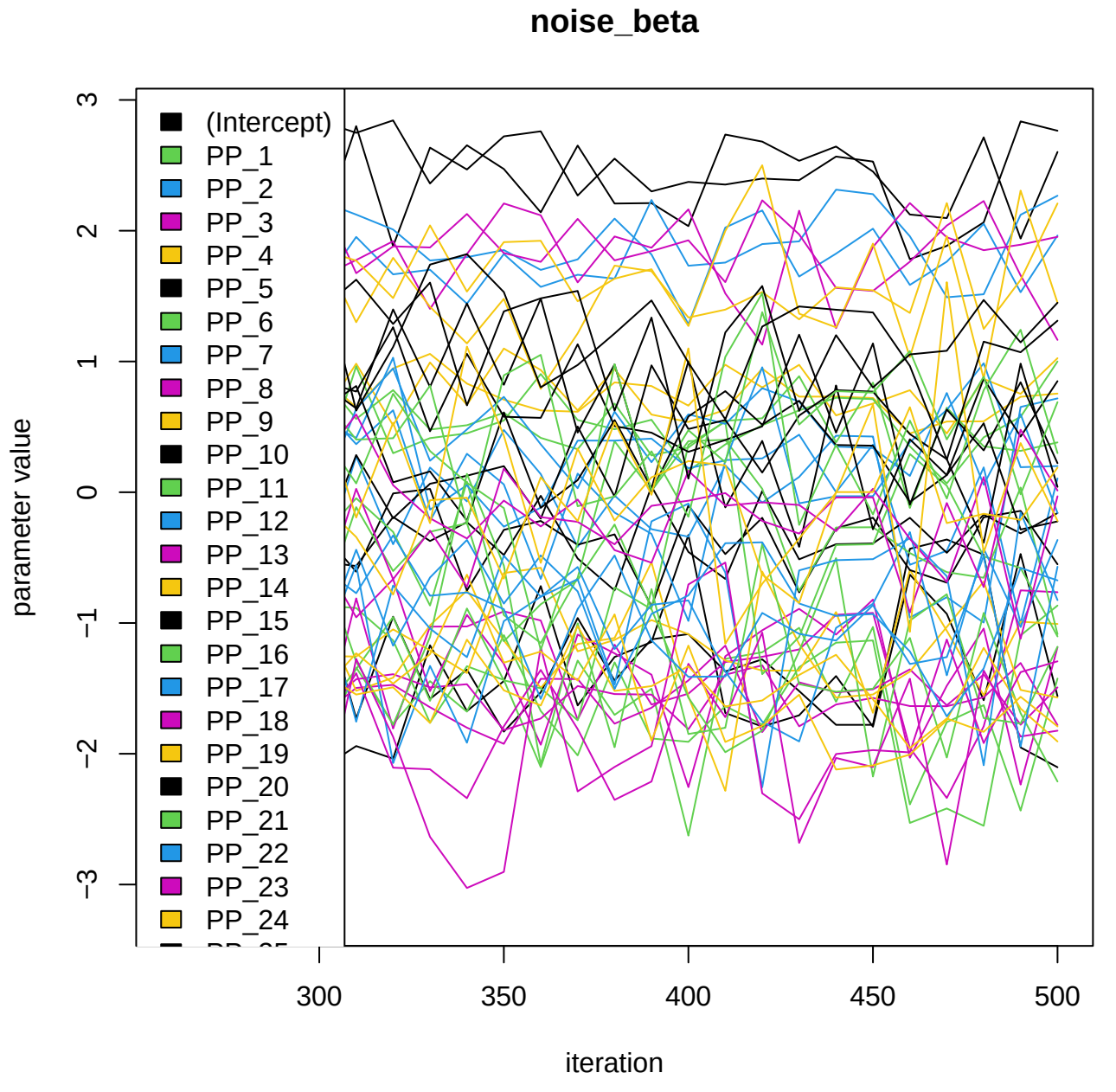

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
300
350
400
450
500
iterations

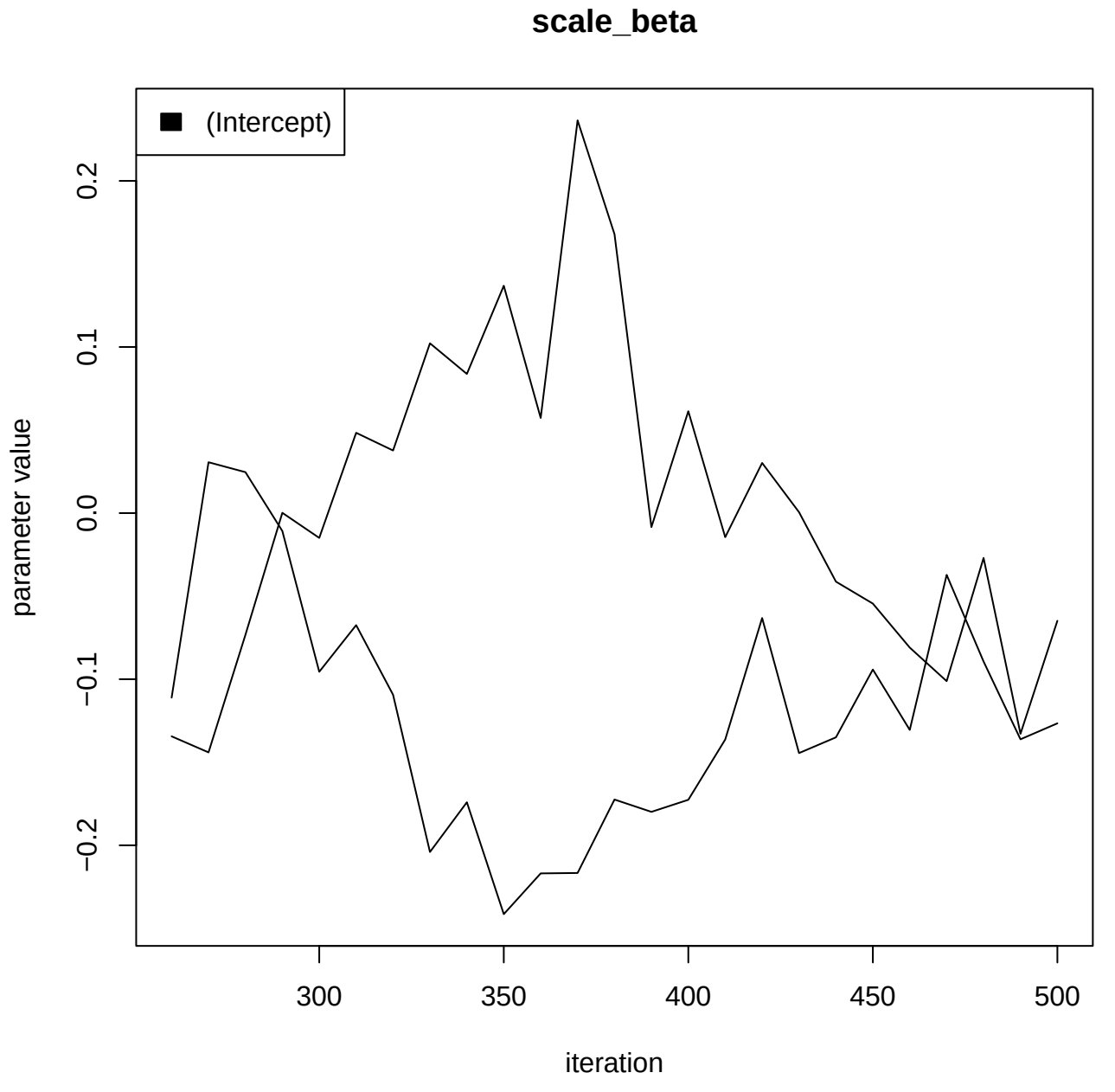

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
300
350
400
450
500
iterations

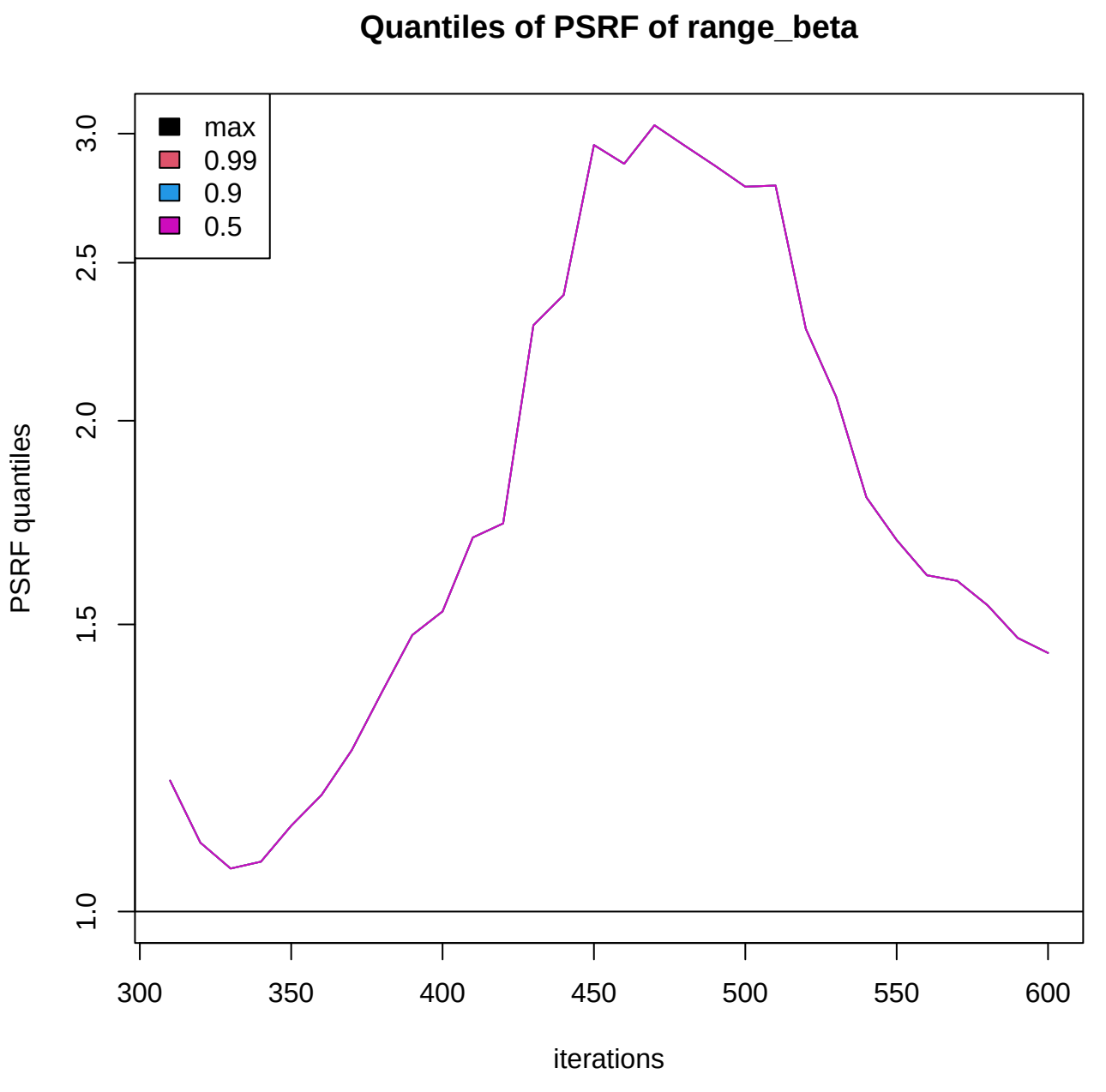

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
1.08
1.10
1.12
300
350
400
450
500
iterations


range_beta
(Intercept)
parameter value
−3.60
−3.65
−3.70
−3.75
−3.80
300
350
400
450
500
iteration

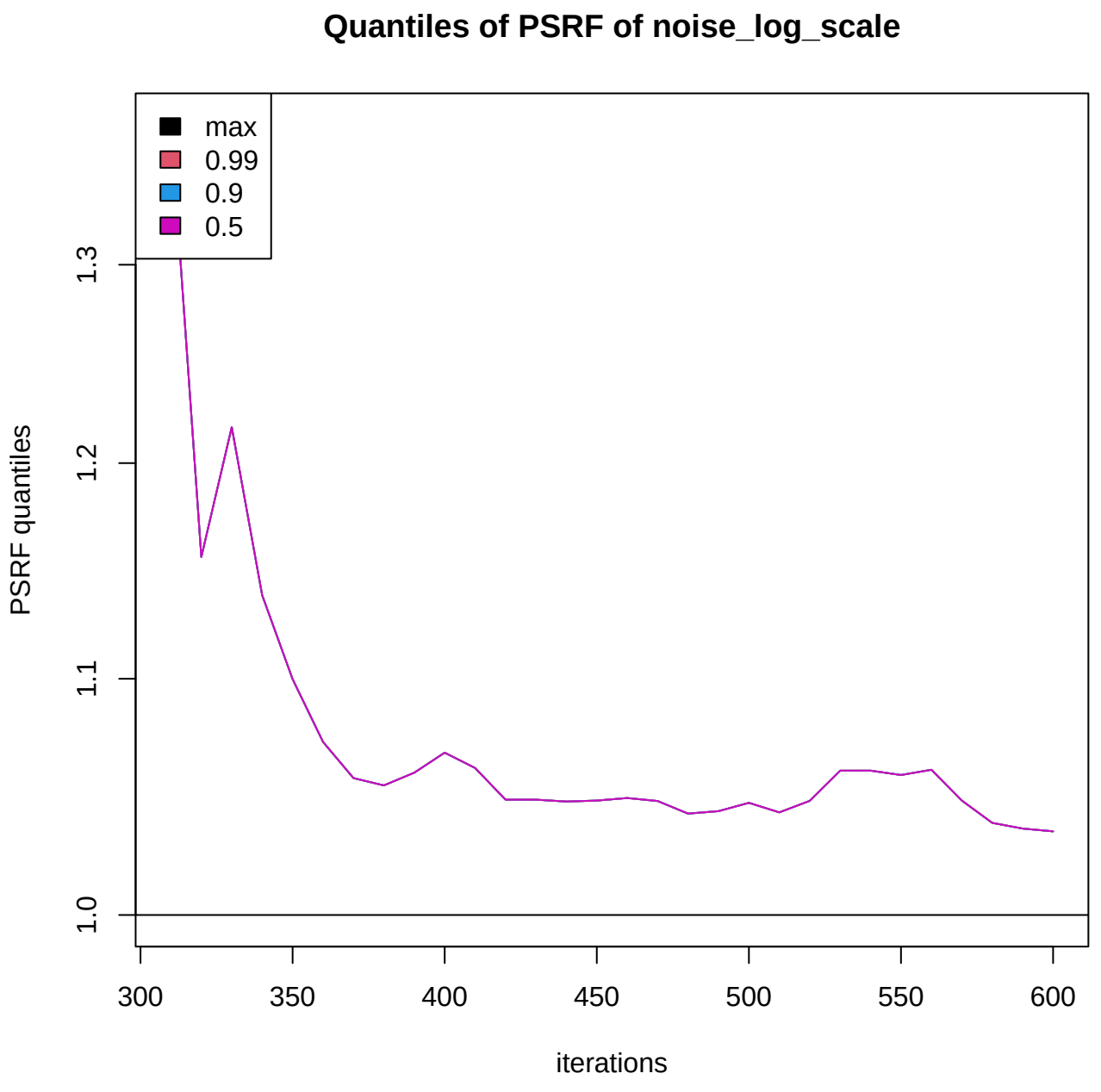

noise_log_scale
log scale
0.5
1.0
1.5
300
350
400
450
500
iteration

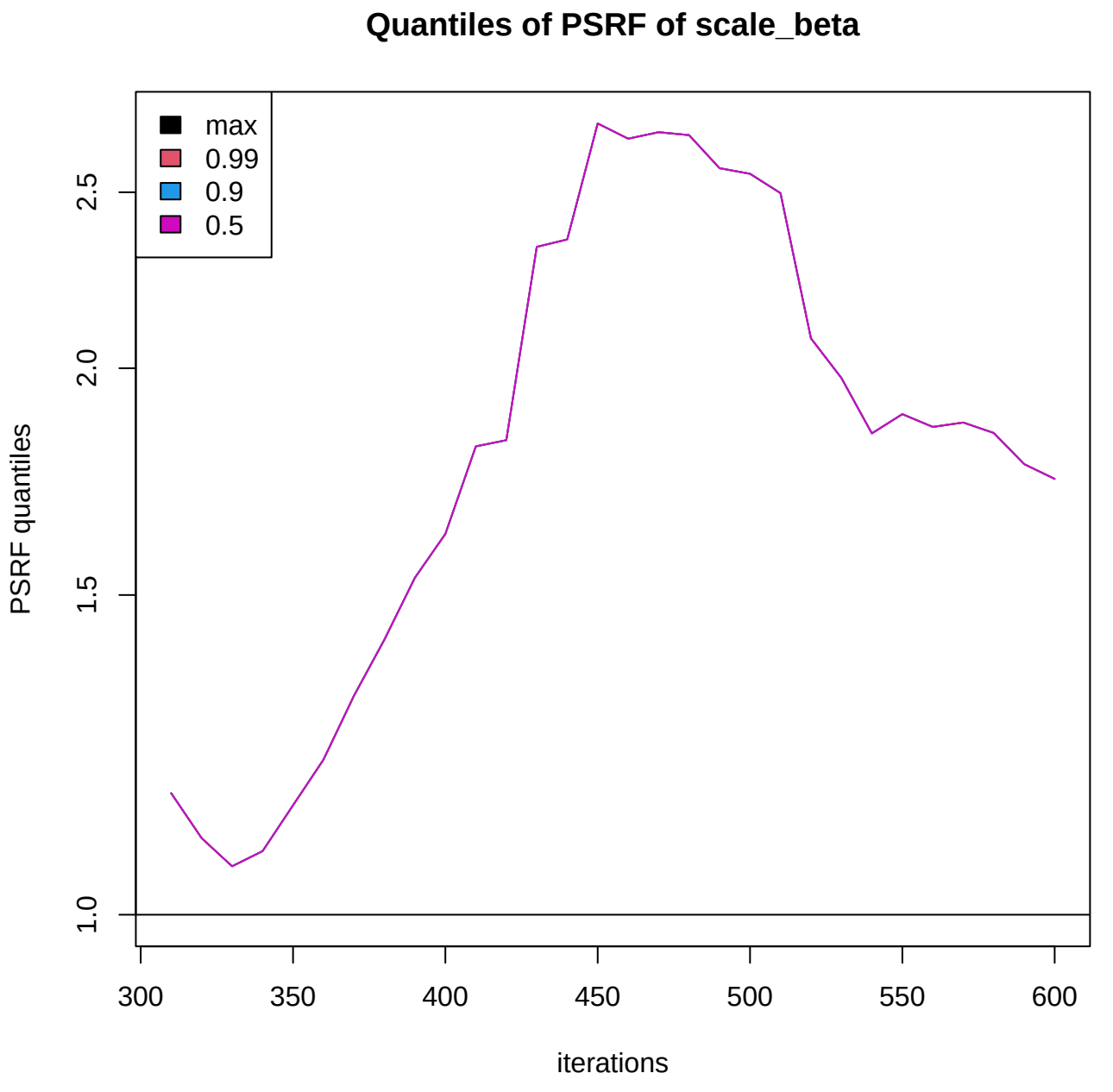

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
300
350
400
450
500
iteration

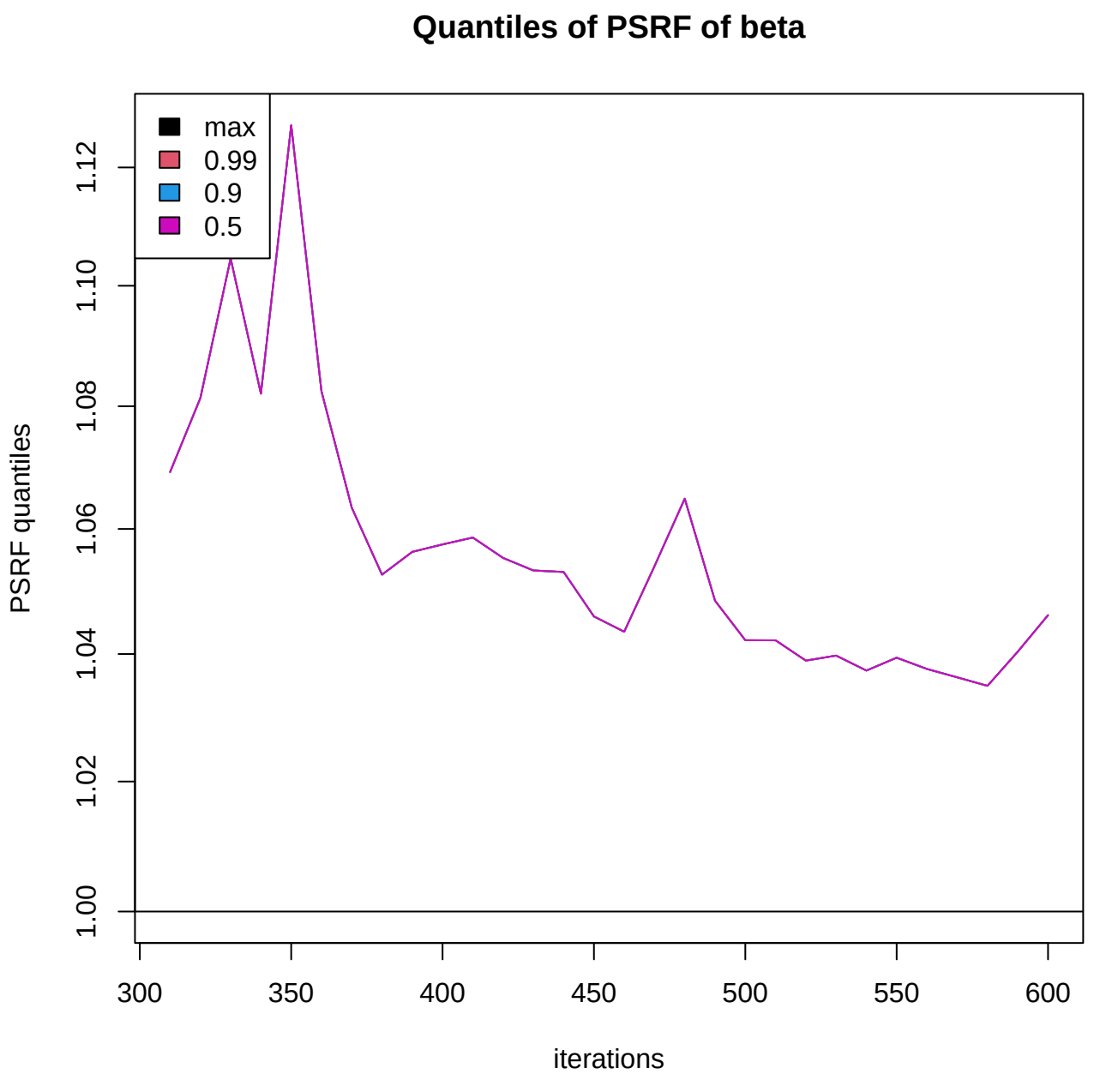

scale_beta
(Intercept)
parameter value
0.2
0.1
0.0
−0.1
−0.2
300
350
400
450
500
iteration

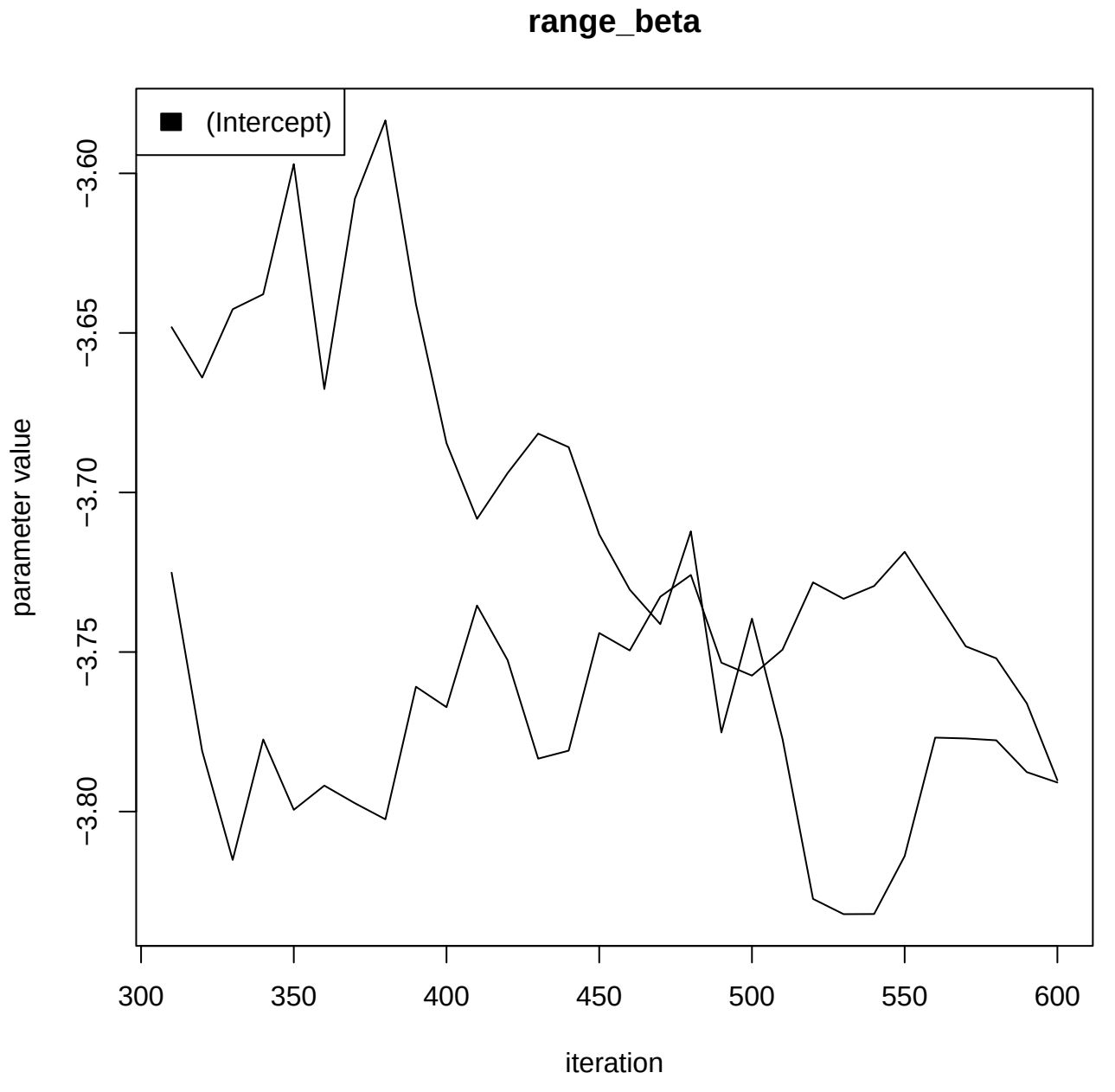

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
300
350
400
450
500
550
600
iterations

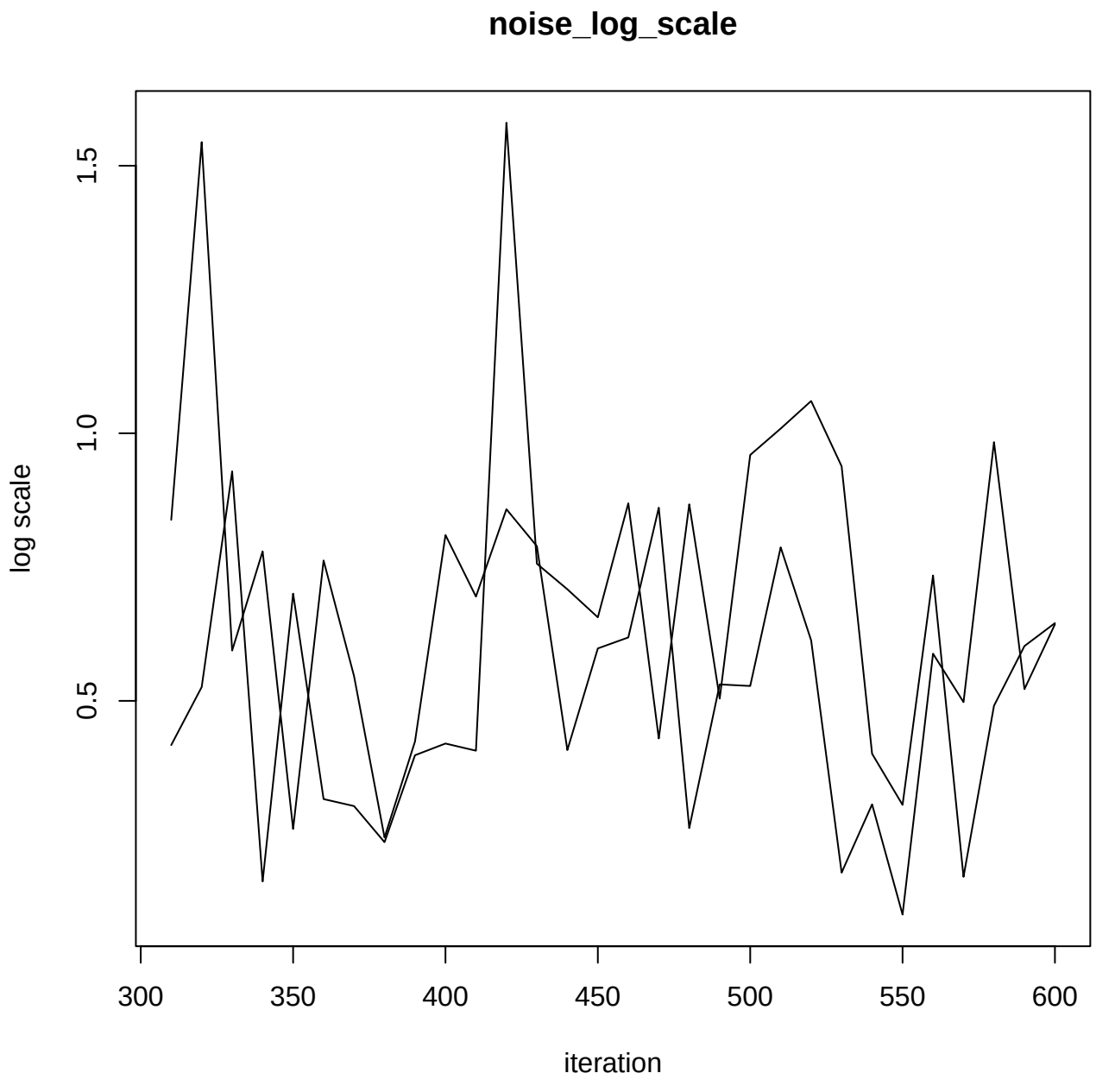
Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1.6
300
350
400
450
500
550
600
iterations

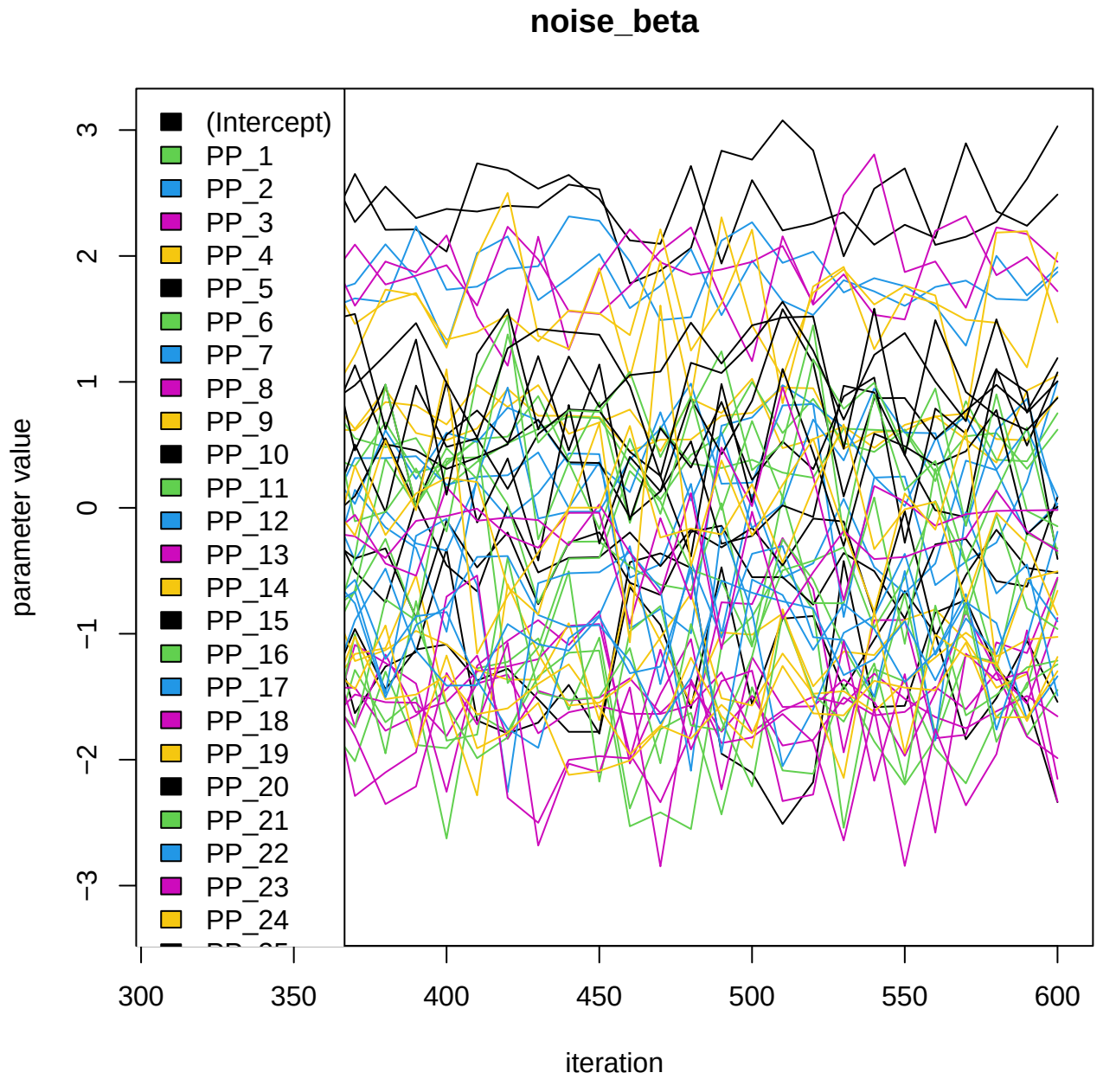

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
300
350
400
450
500
550
600
iterations

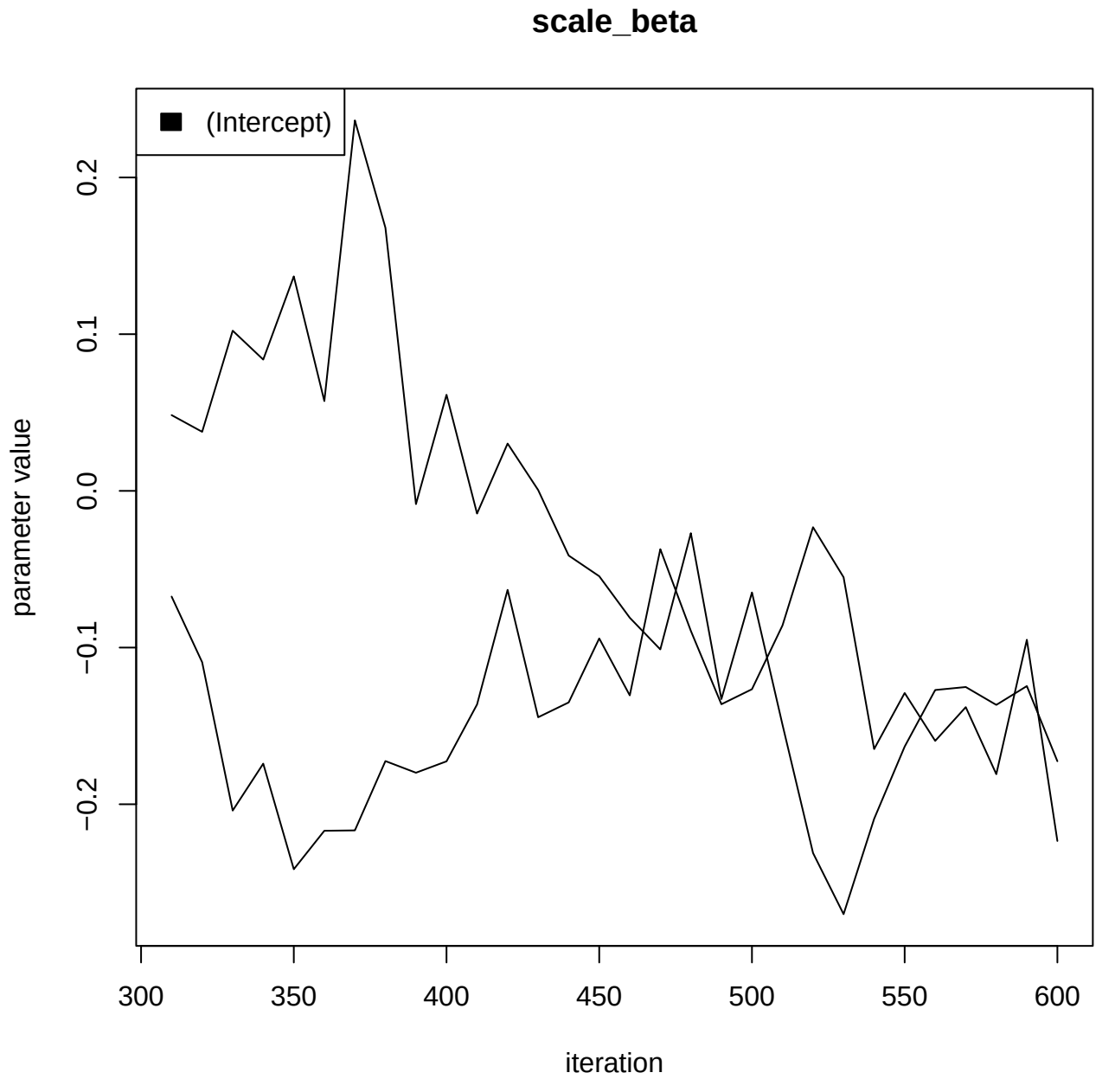

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
300
350
400
450
500
550
600
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
1.08
1.10
1.12
300
350
400
450
500
550
600
iterations


range_beta
(Intercept)
parameter value
−3.60
−3.65
−3.70
−3.75
−3.80
300
350
400
450
500
550
600
iteration


noise_log_scale
log scale
0.5
1.0
1.5
300
350
400
450
500
550
600
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
300
350
400
450
500
550
600
iteration


scale_beta
(Intercept)
parameter value
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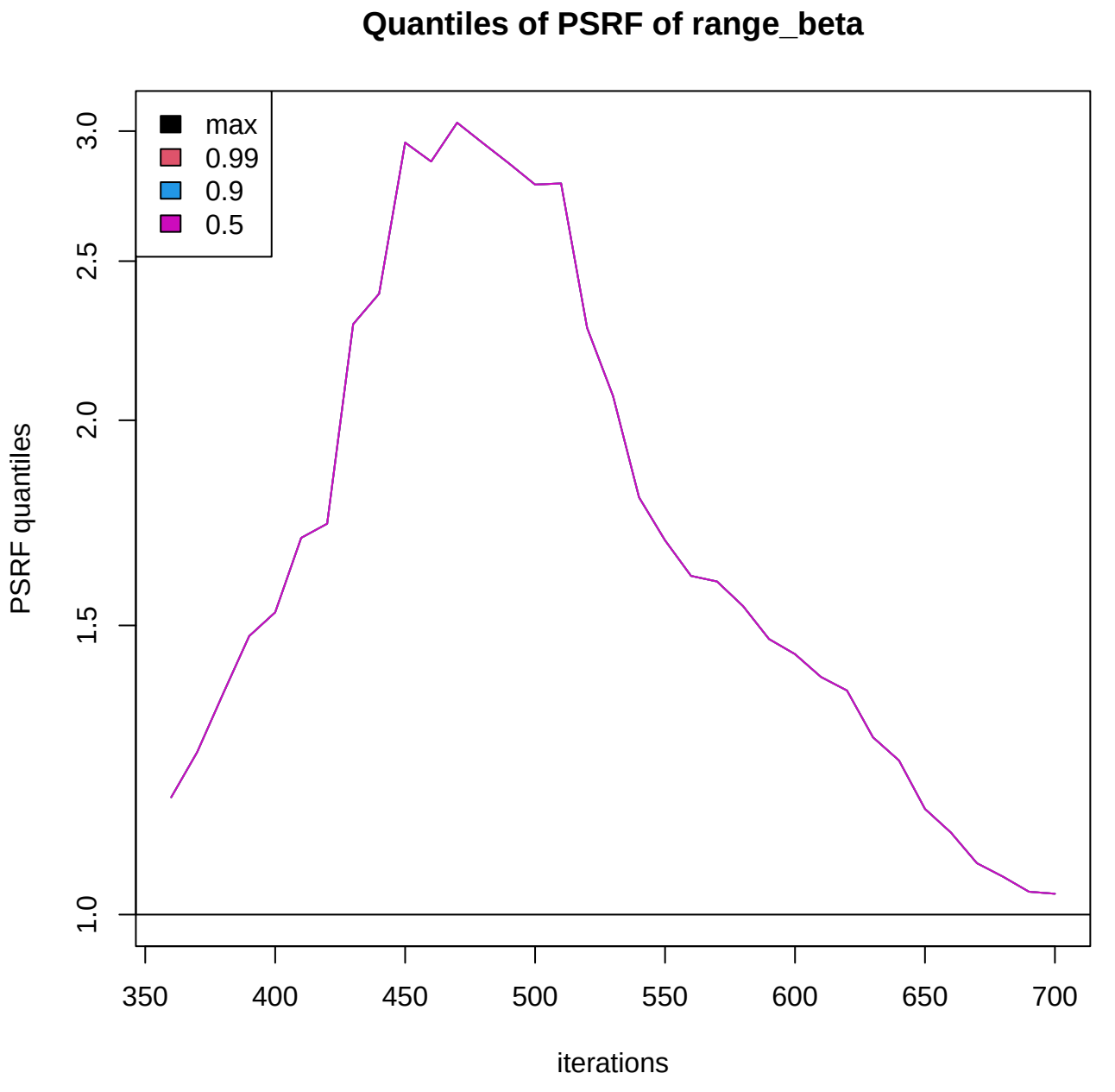
0.1
0.0
−0.1
−0.2
300
350
400
450
500
550
600
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
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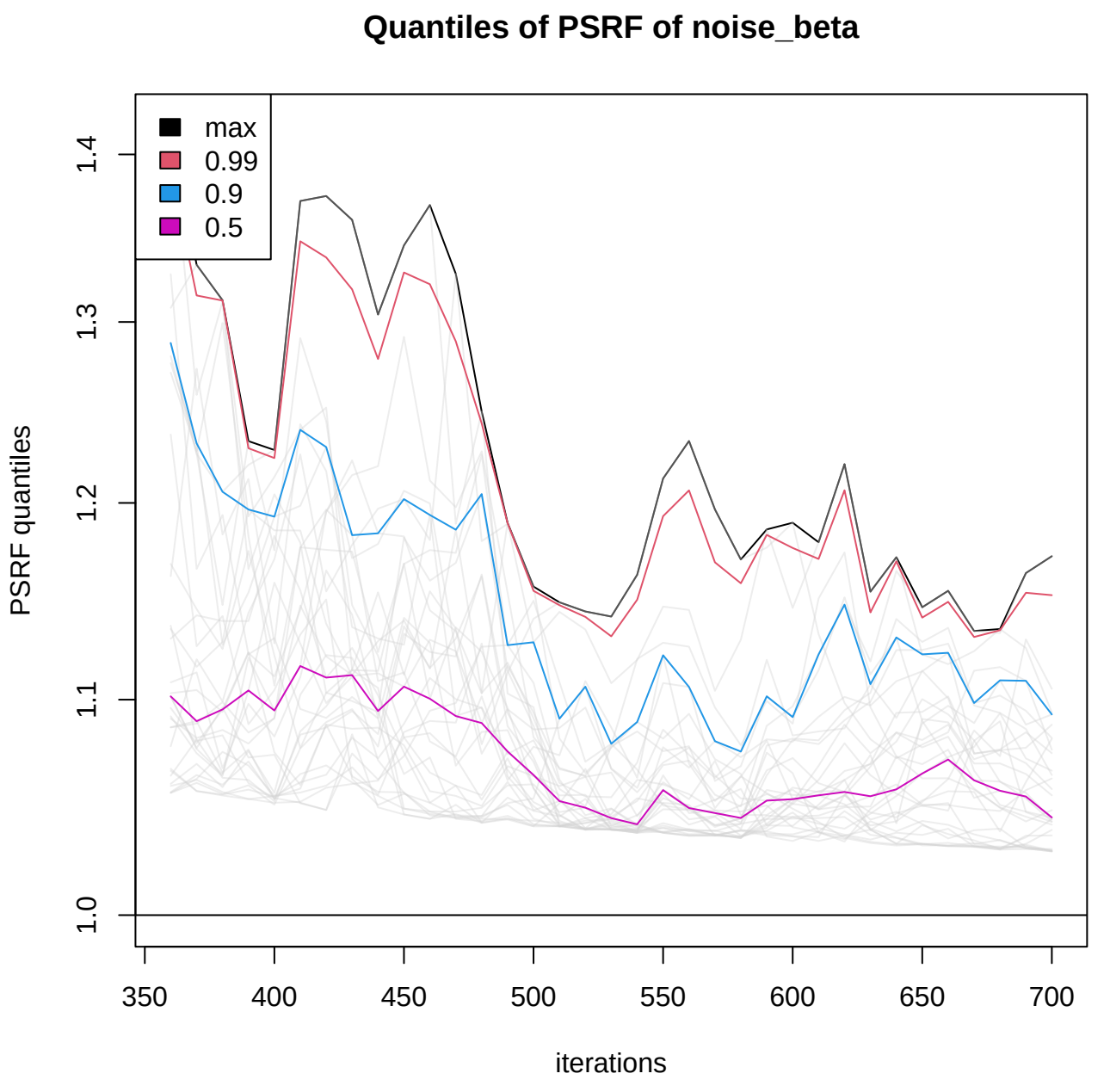
1.5
2.0
2.5
3.0
350
400
450
500
550
600
650
700
iterations


Quantiles of PSRF of noise_beta
max
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0.9
0.5
PSRF quantiles
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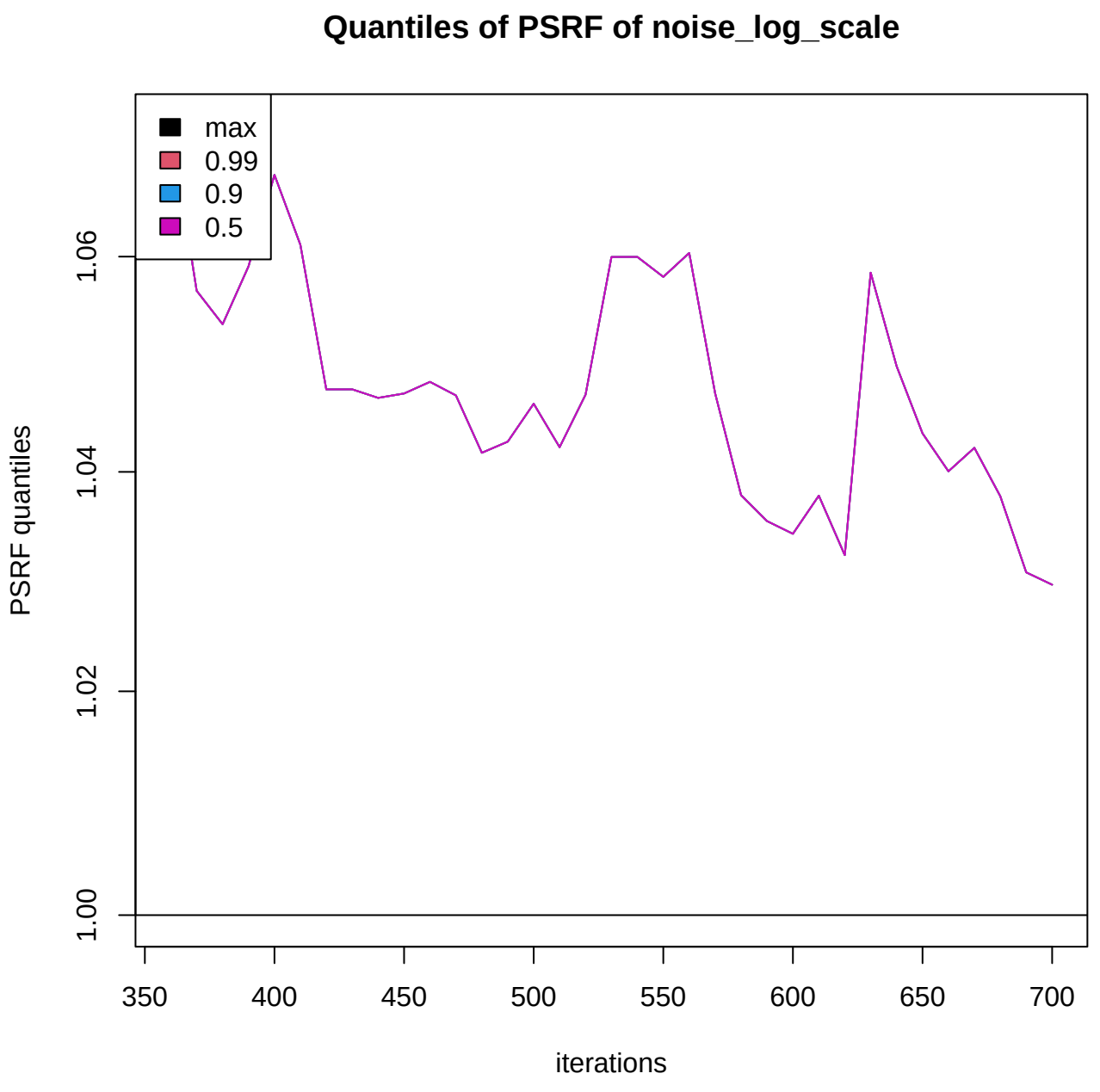
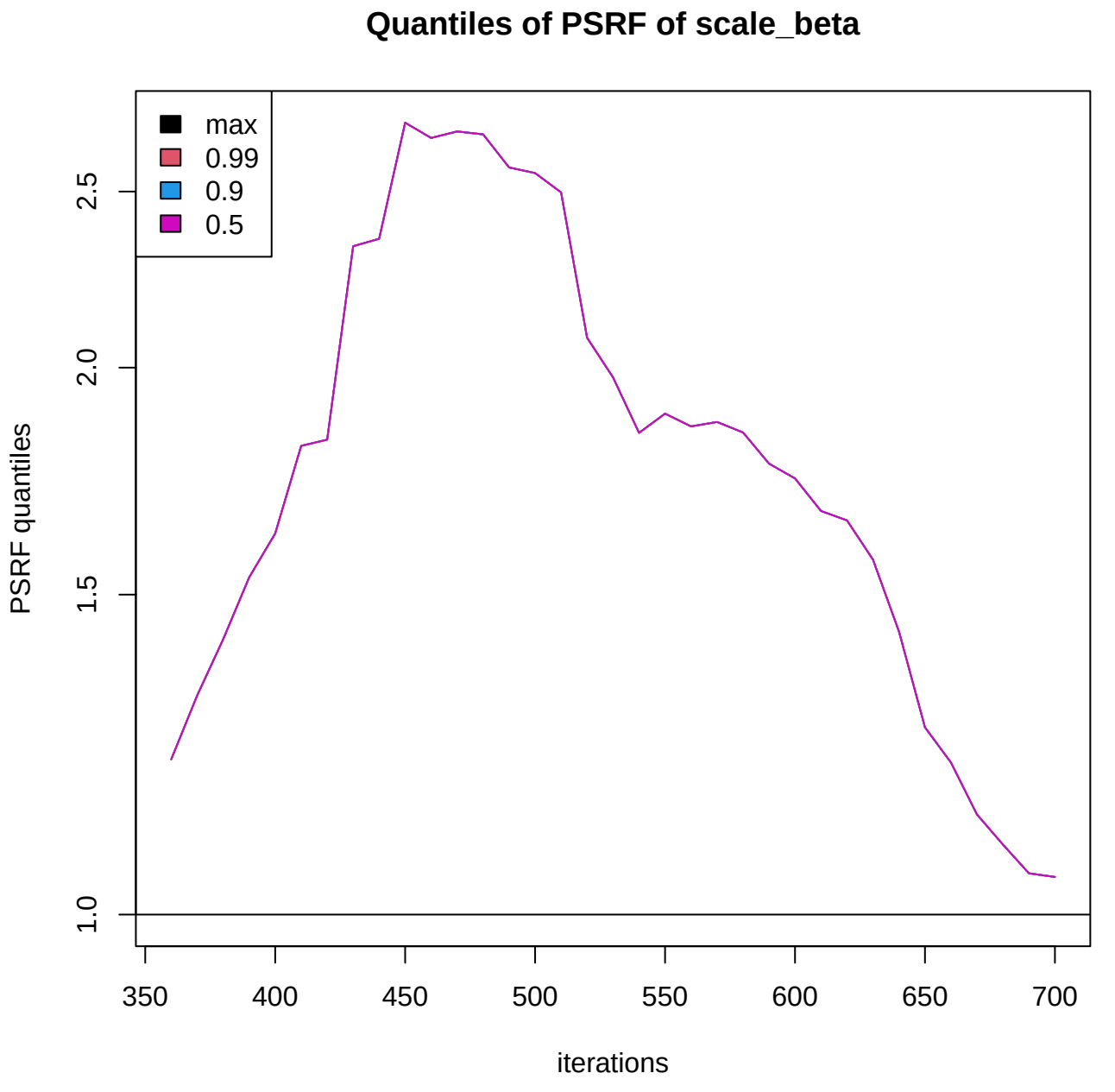
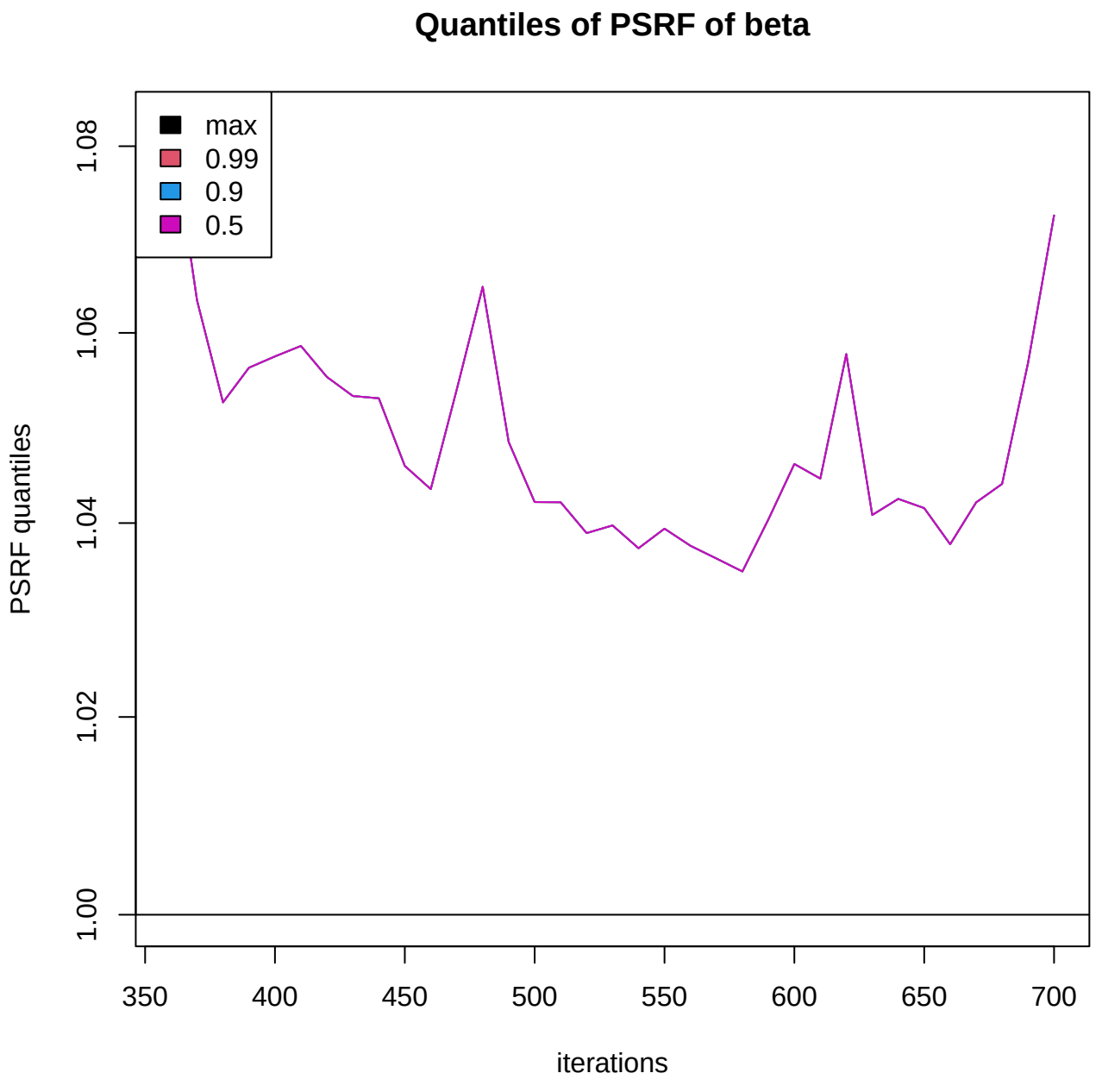
1.1
1.2
1.3
1.4
350
400
450
500
550
600
650
700
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
350
400
450
500
550
600
650
700
iterations


Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
350
400
450
500
550
600
650
700
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
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1.02
1.04
1.06
1.08
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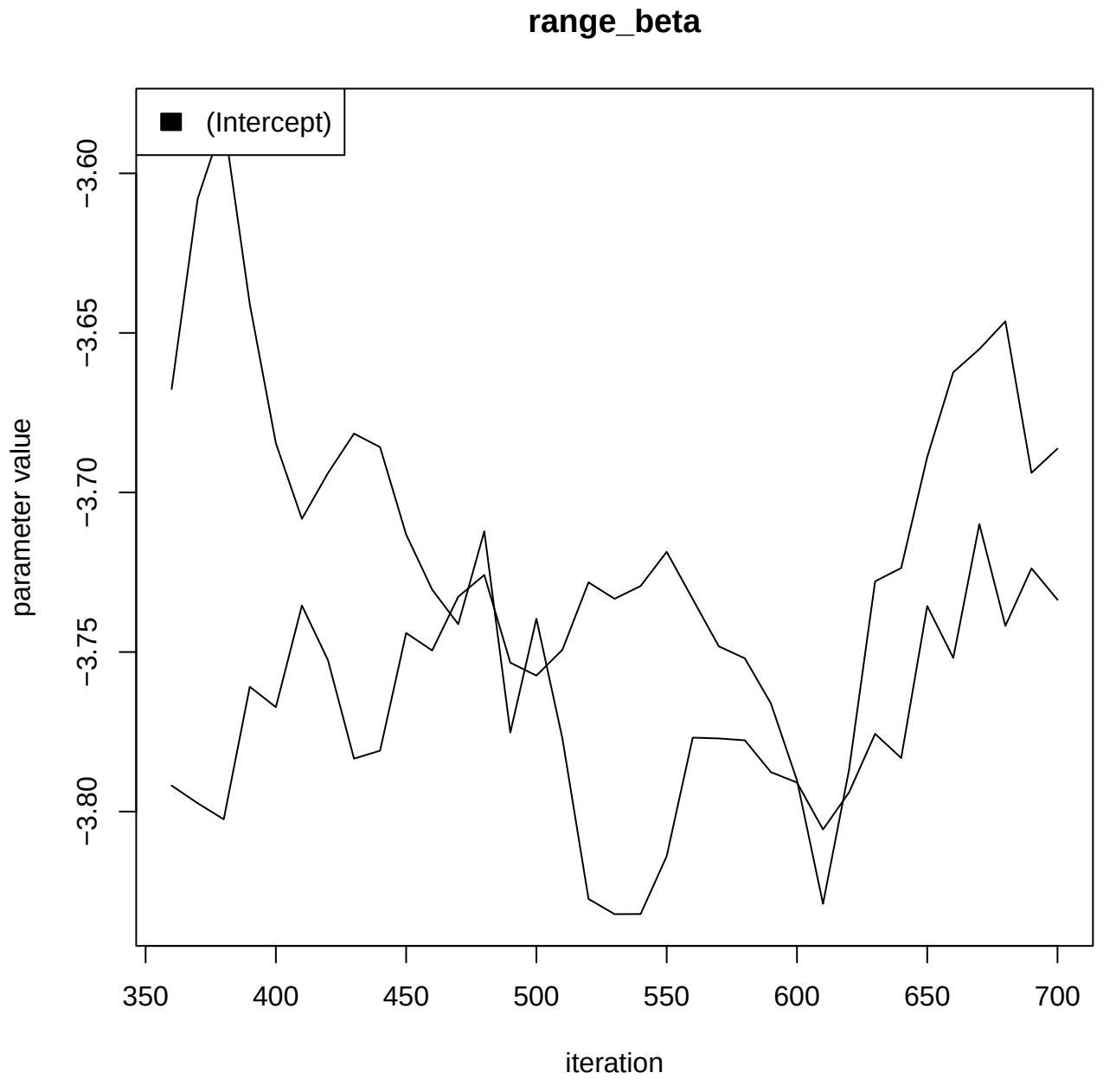
600
650
700
iterations


range_beta
(Intercept)
parameter value
−3.60
−3.65
−3.70
−3.75
−3.80
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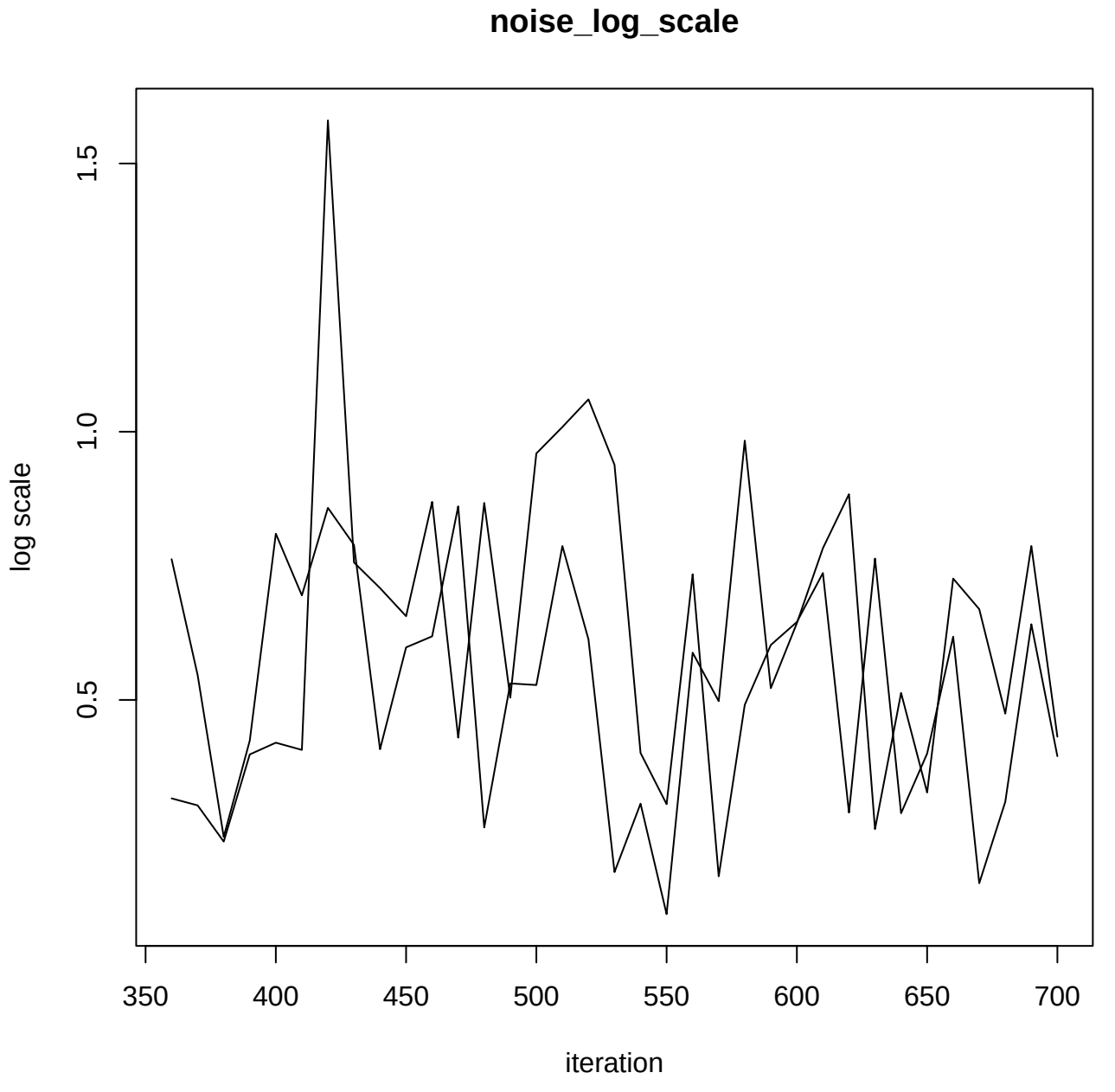
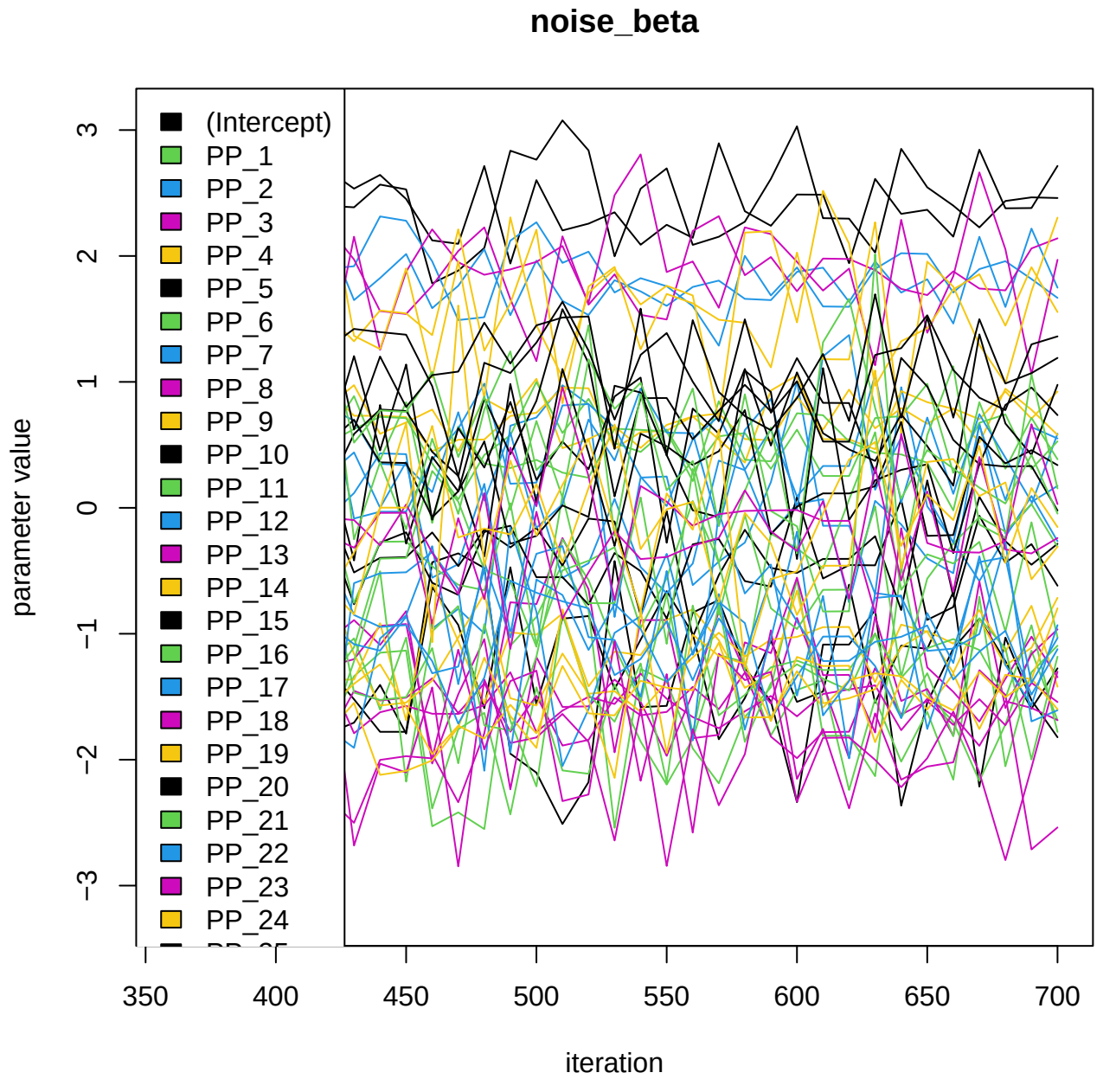
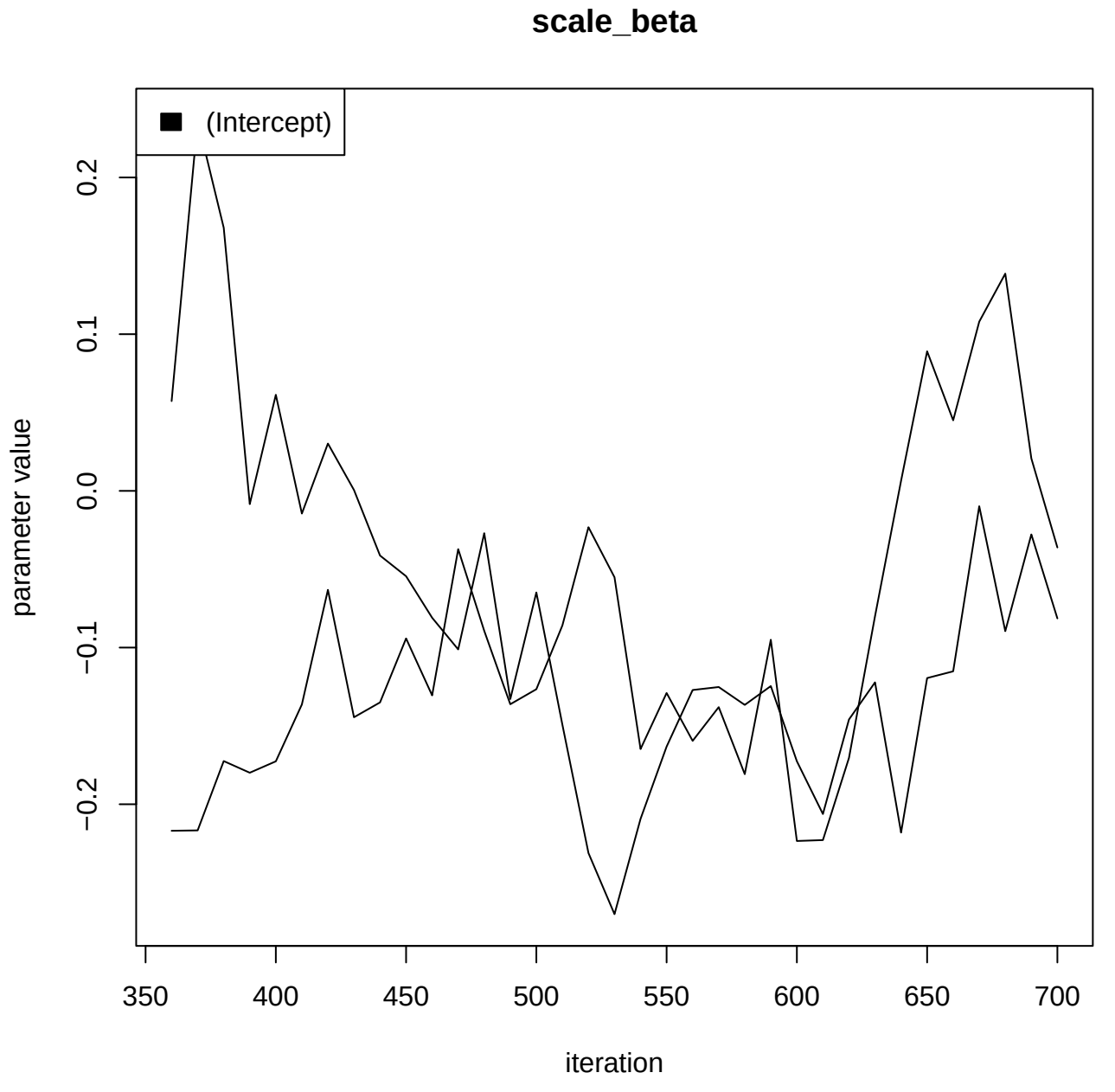
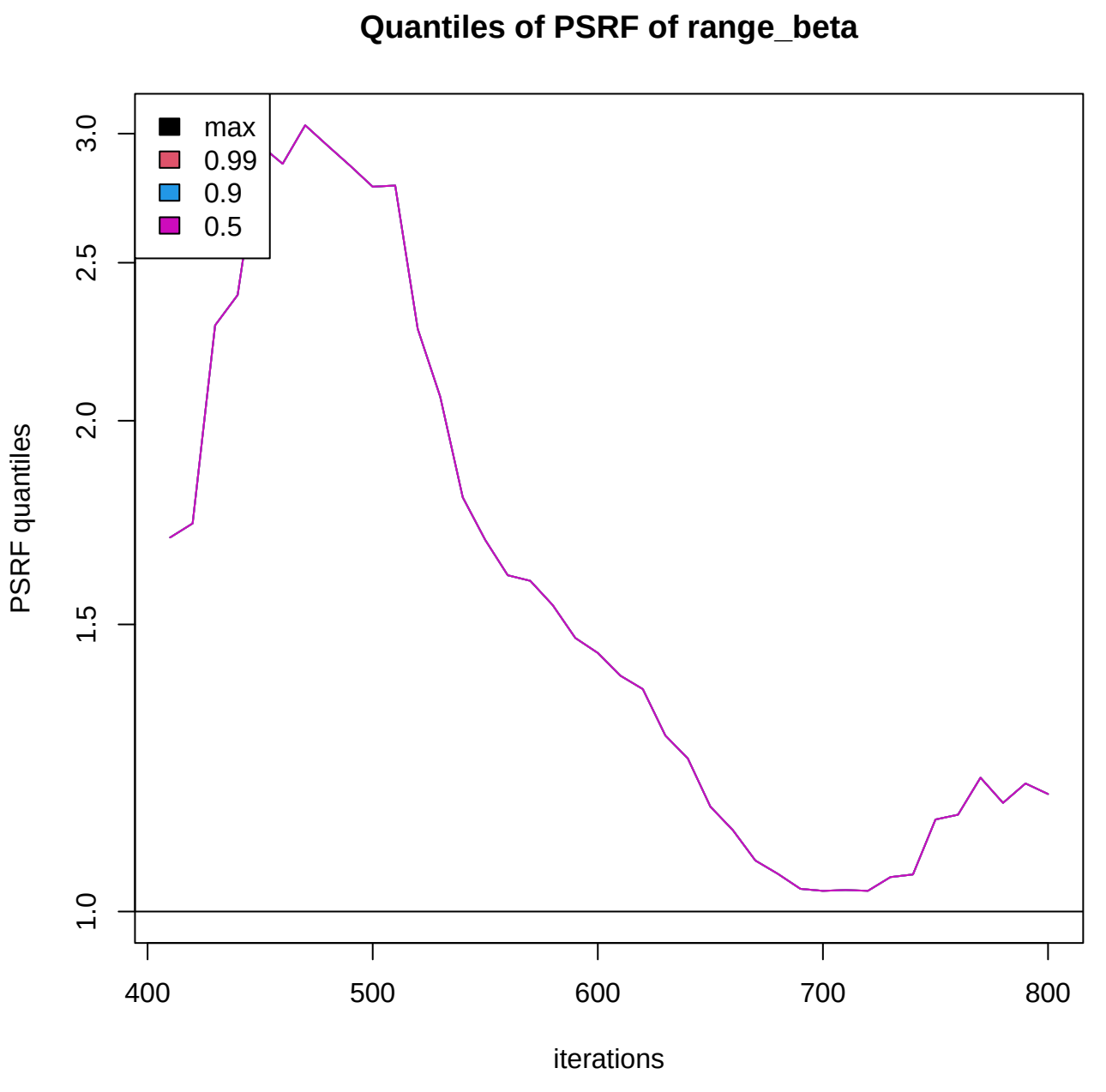
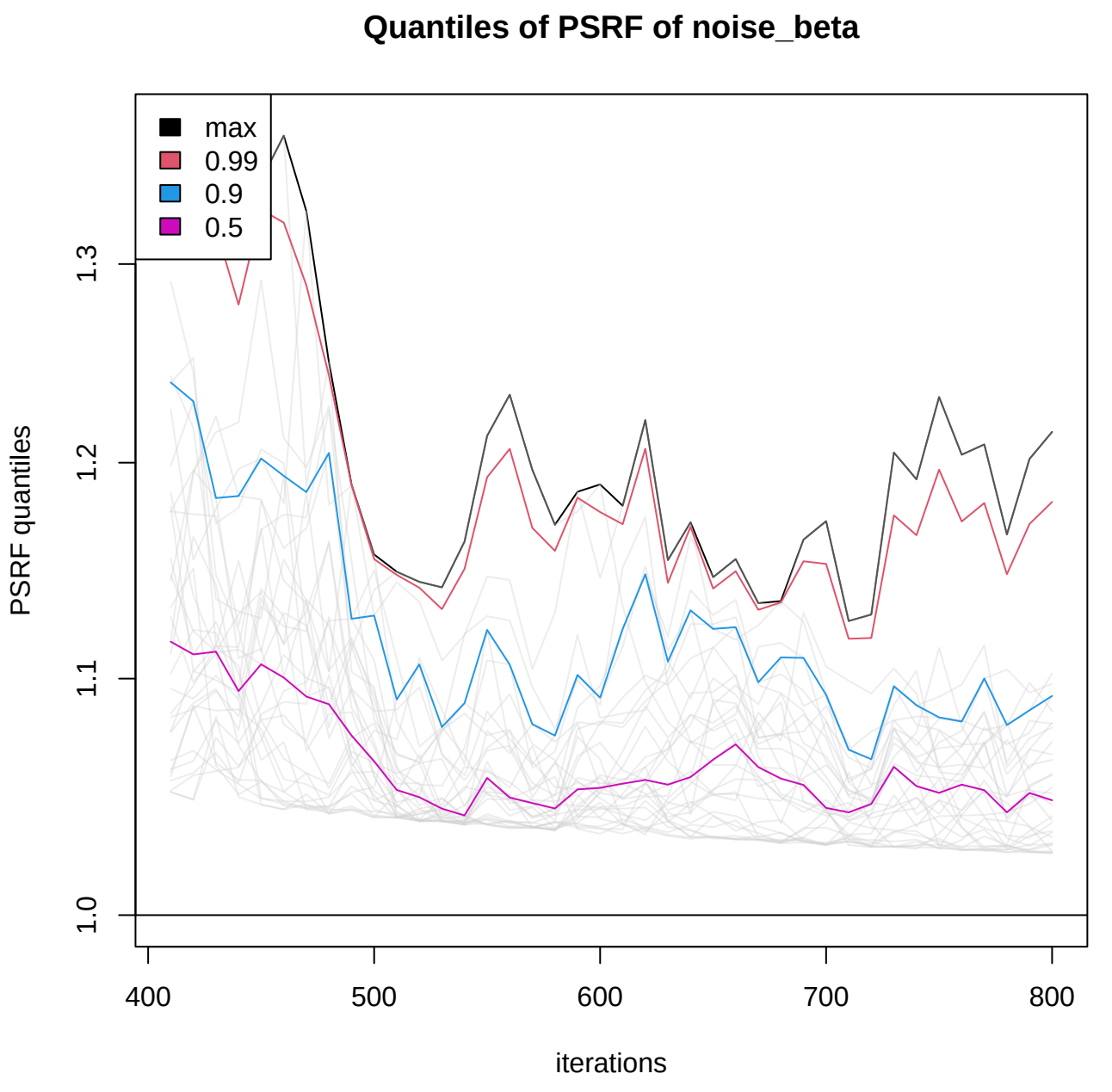
400
450
500
550
600
650
700
iteration


noise_log_scale
log scale
0.5
1.0
1.5
350
400
450
500
550
600
650
700
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
350
400
450
500
550
600
650
700
iteration


scale_beta
(Intercept)
parameter value
0.2
0.1
0.0
−0.1
−0.2
350
400
450
500
550
600
650
700
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
400
500
600
700
800
iterations


Quantiles of PSRF of noise_beta
max
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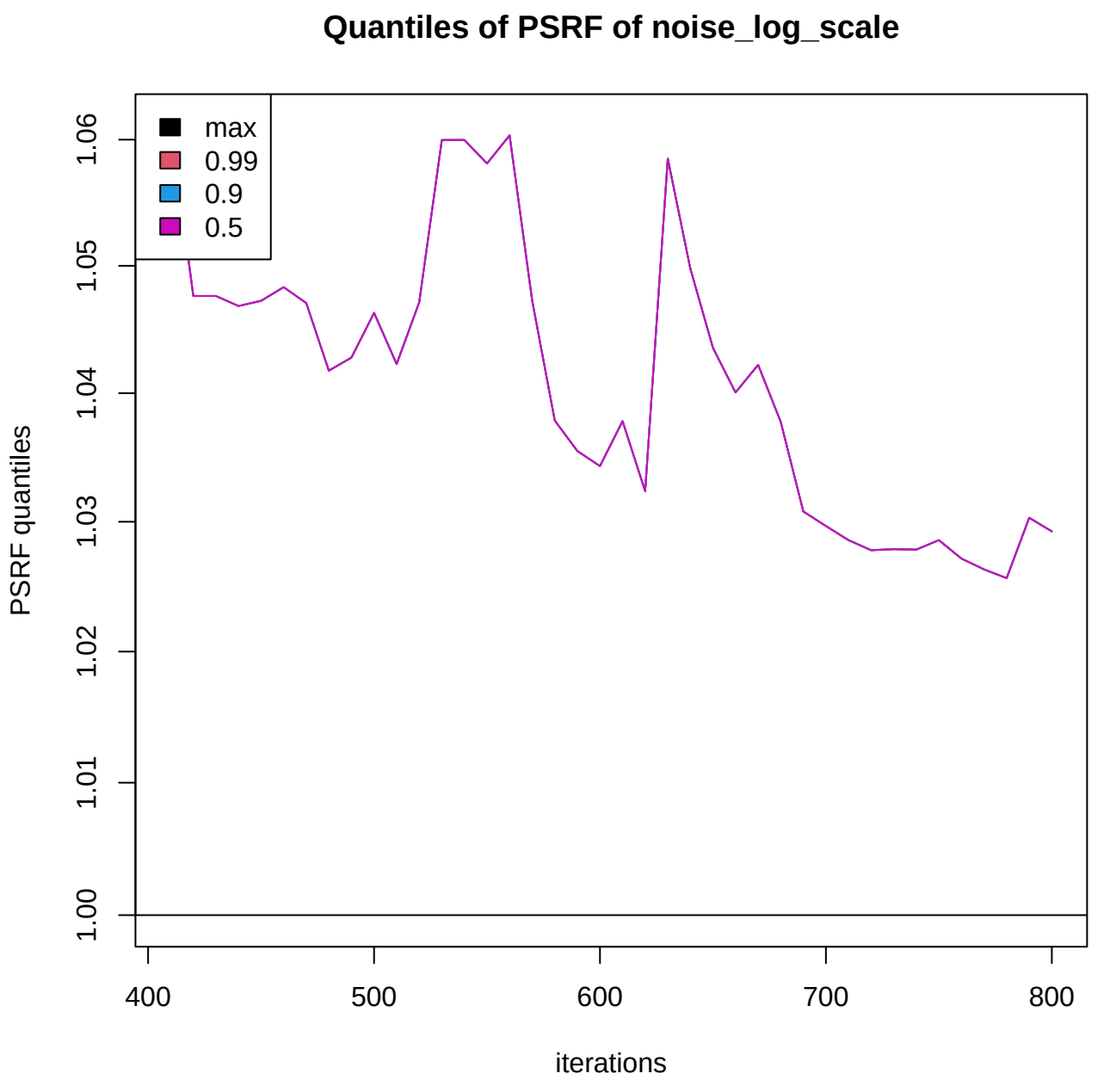
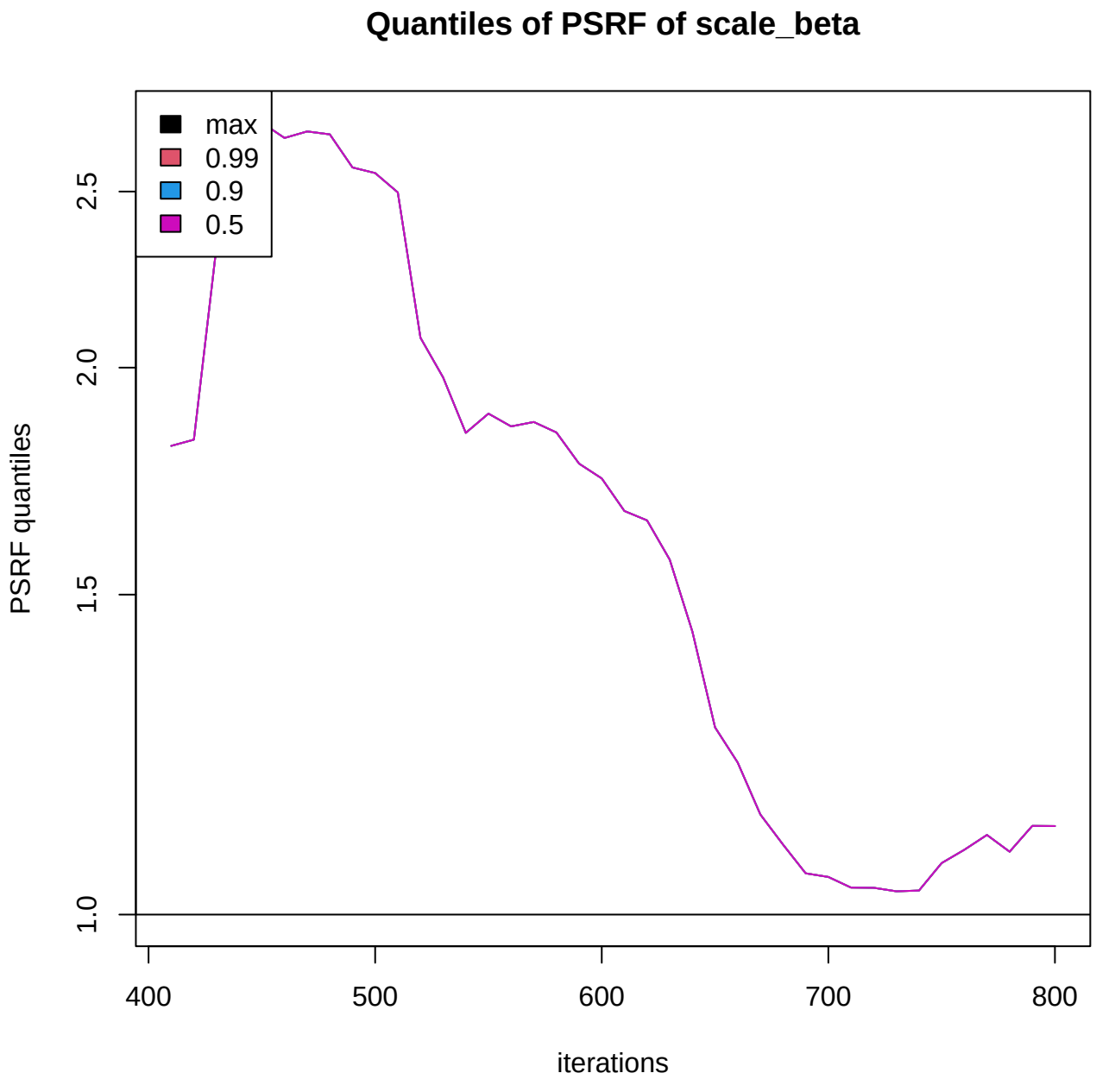
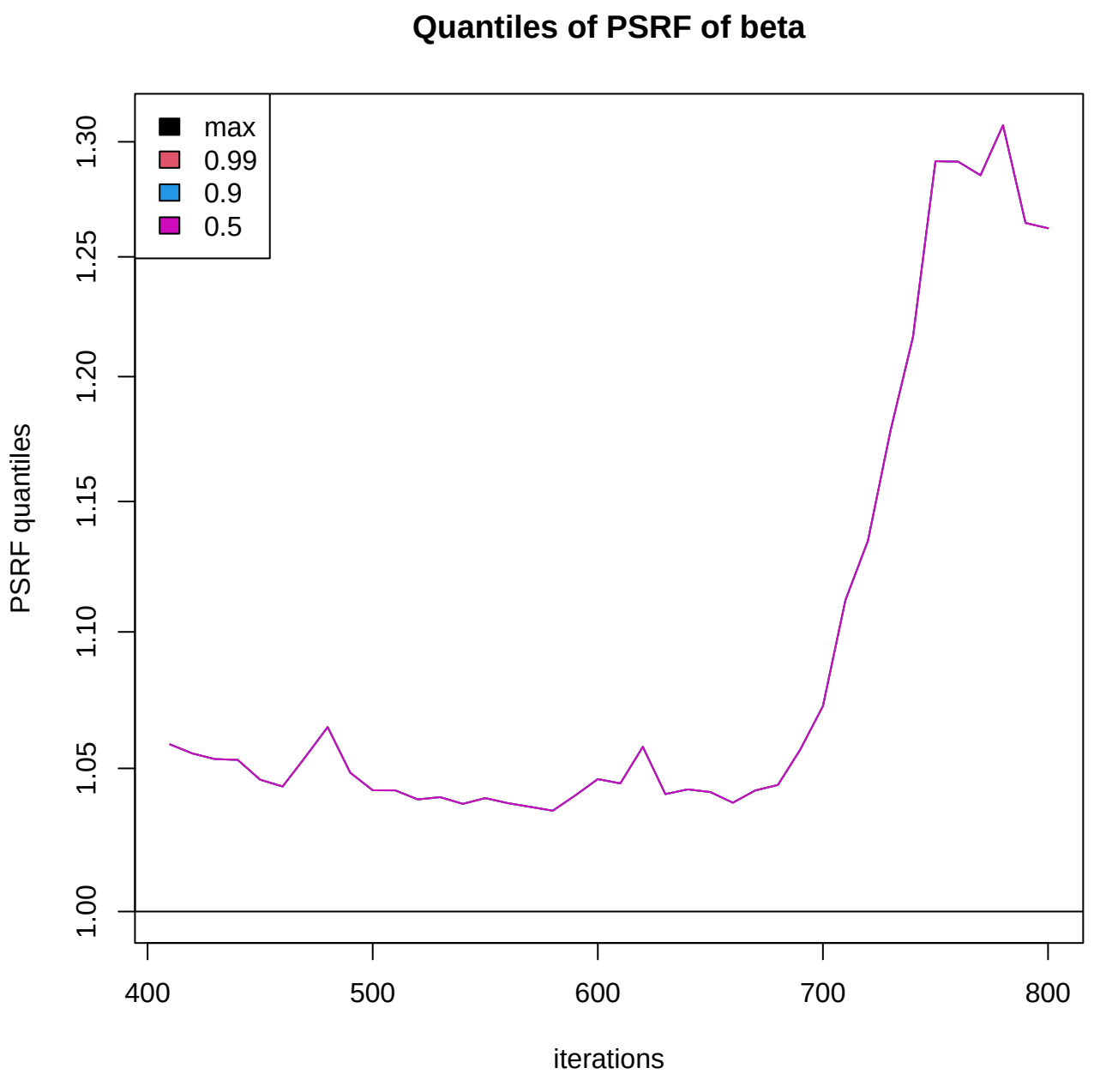
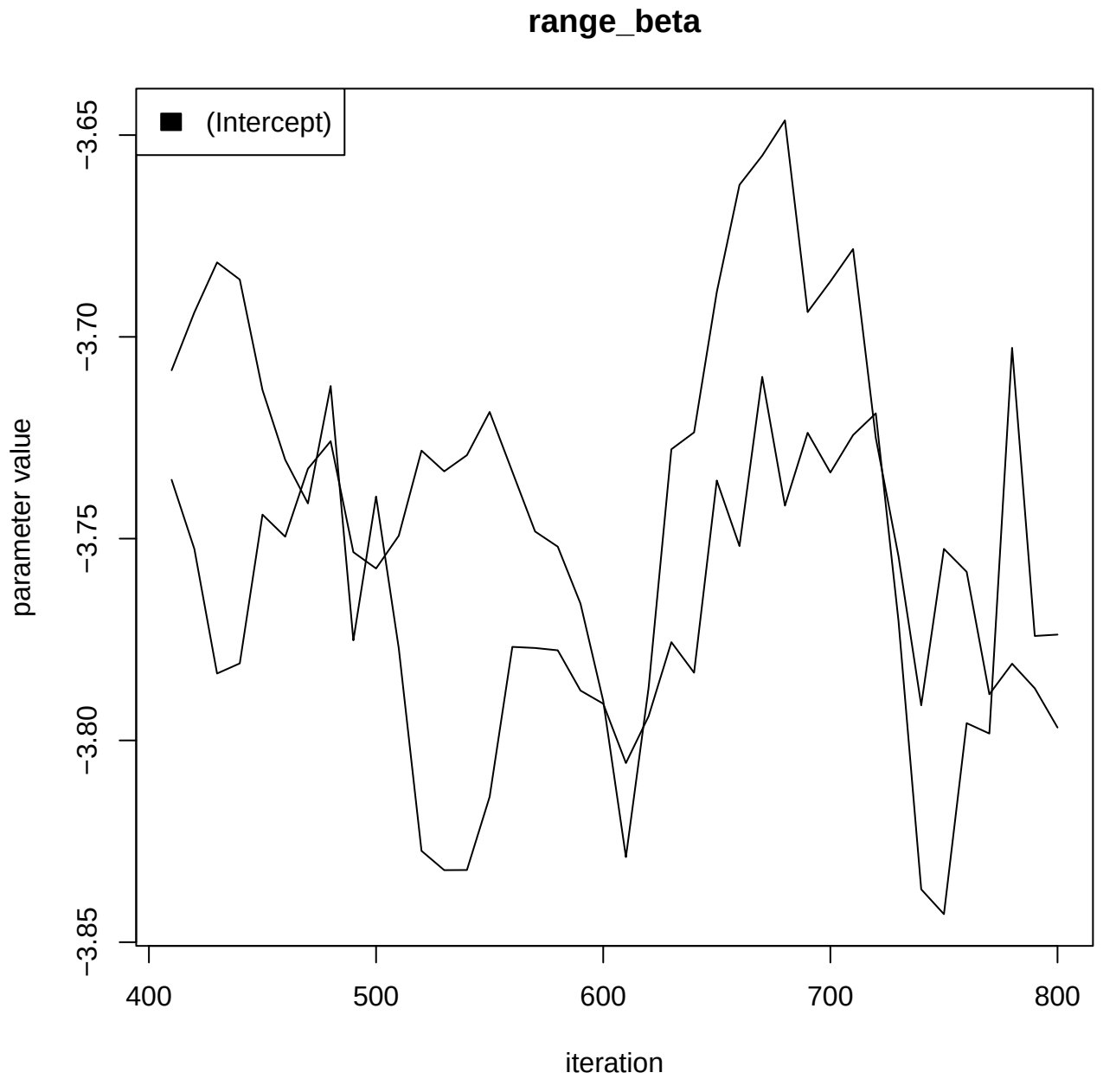
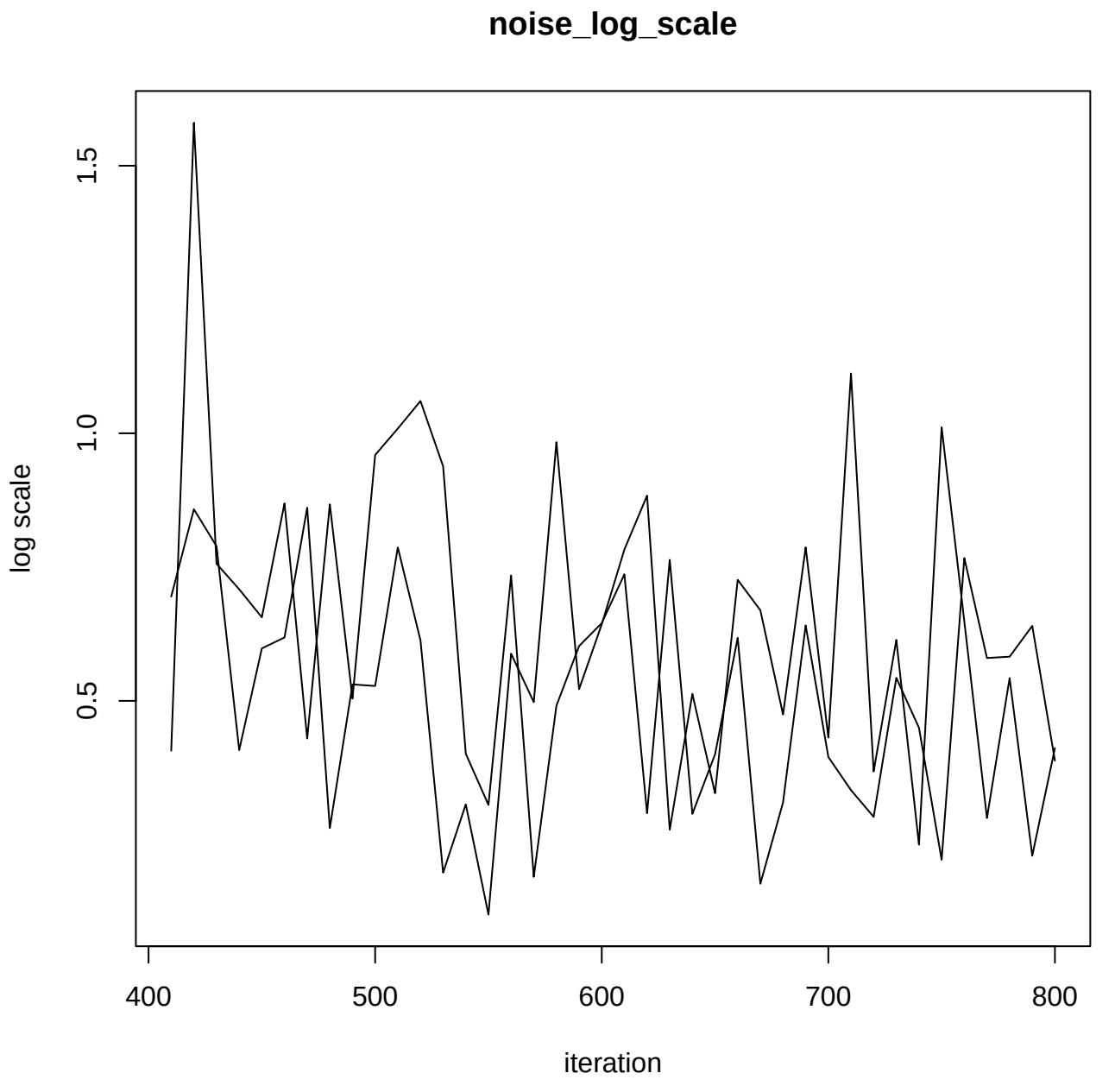
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
400
500
600
700
800
iterations

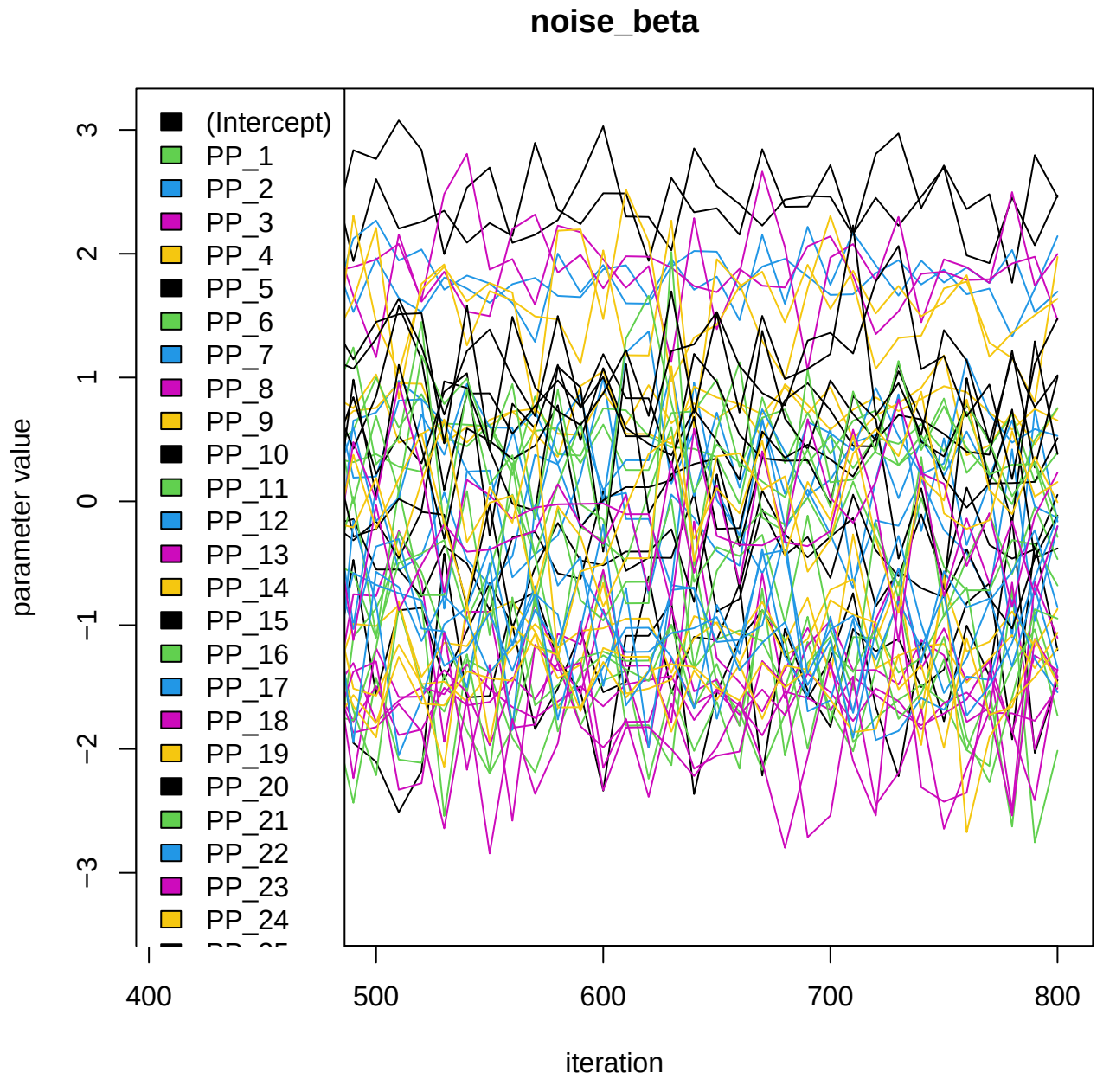

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.01
1.02
1.03
1.04
1.05
1.06
400
500
600
700
800
iterations

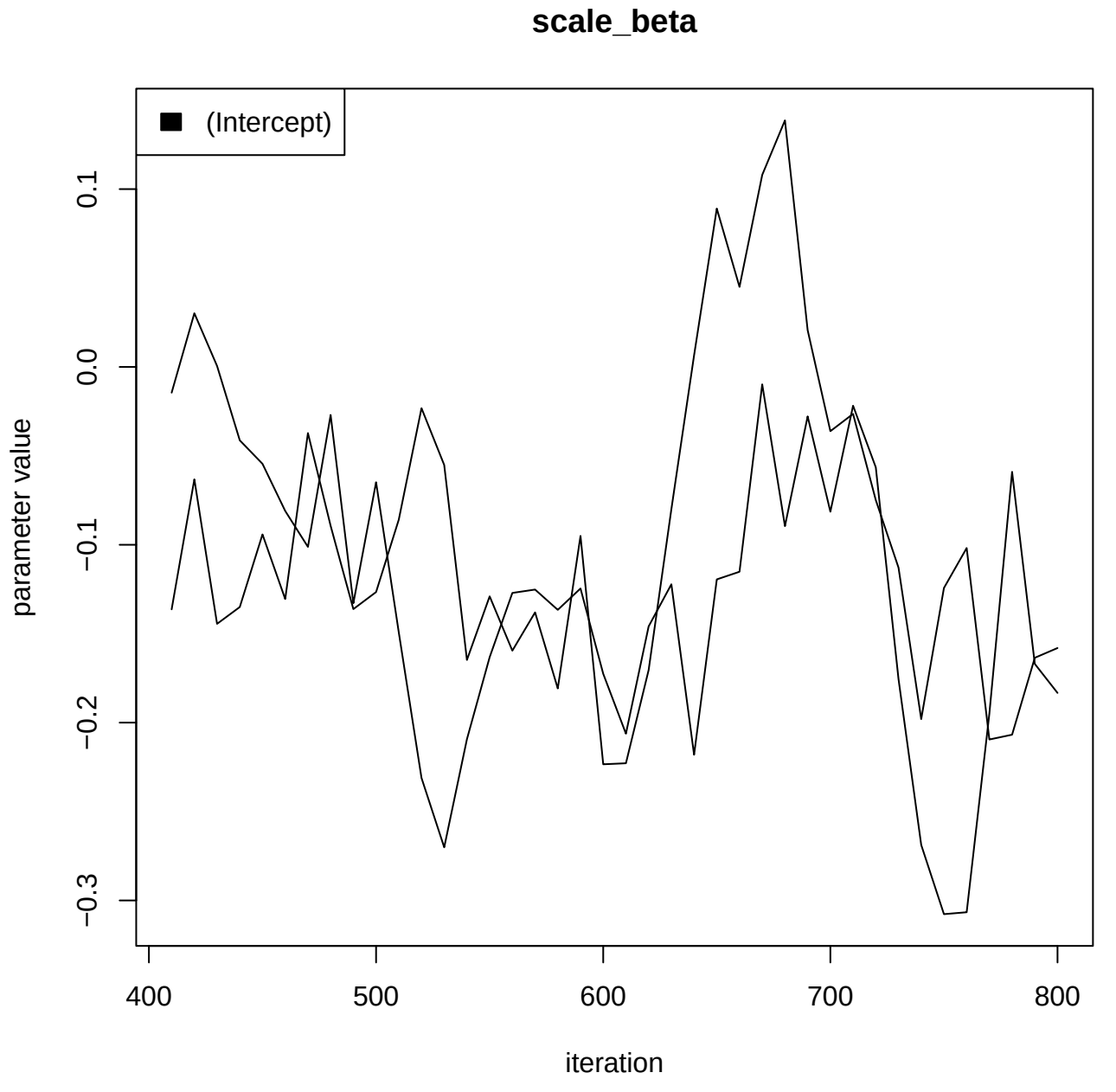

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
400
500
600
700
800
iterations

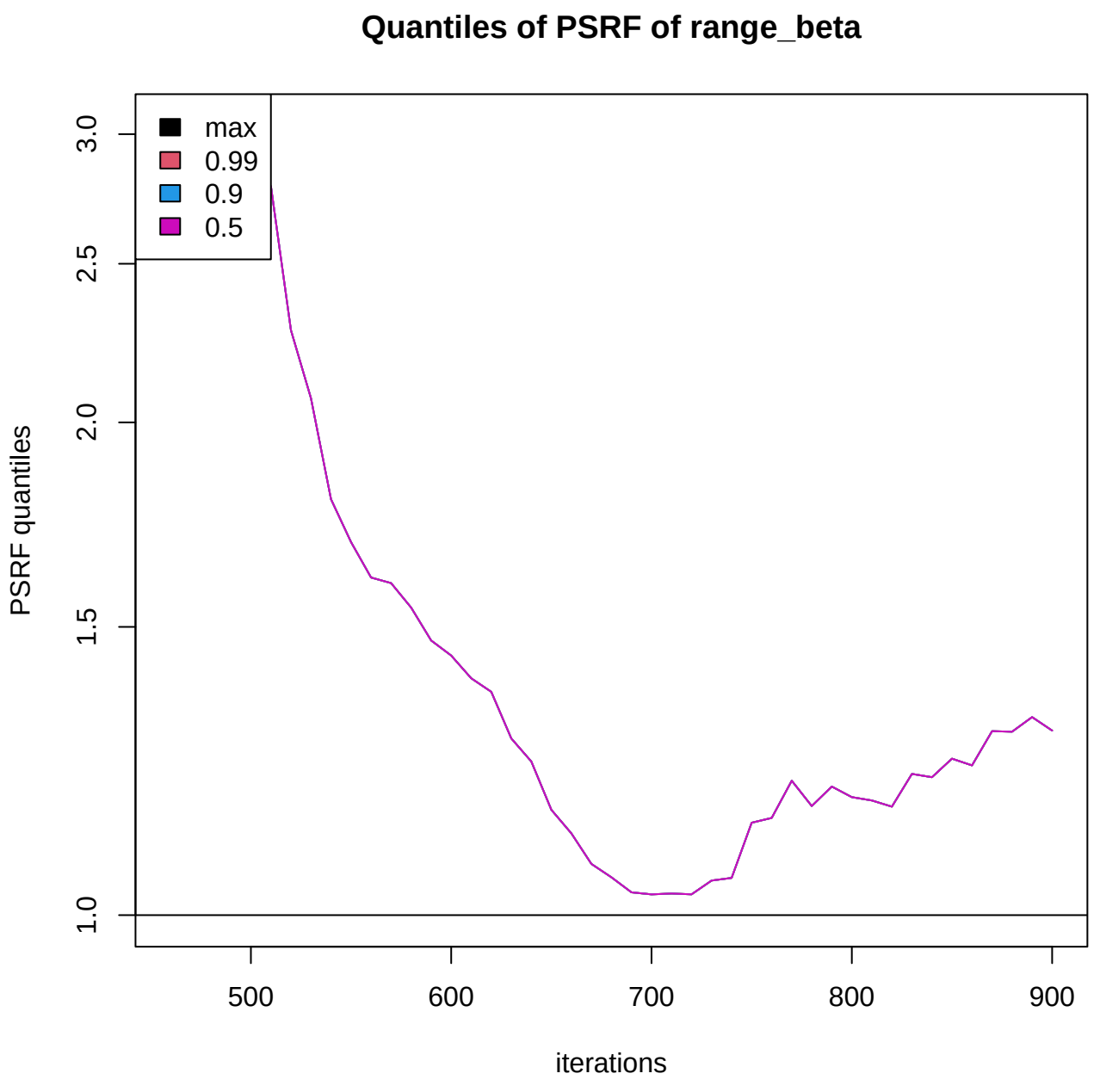

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
400
500
600
700
800
iterations

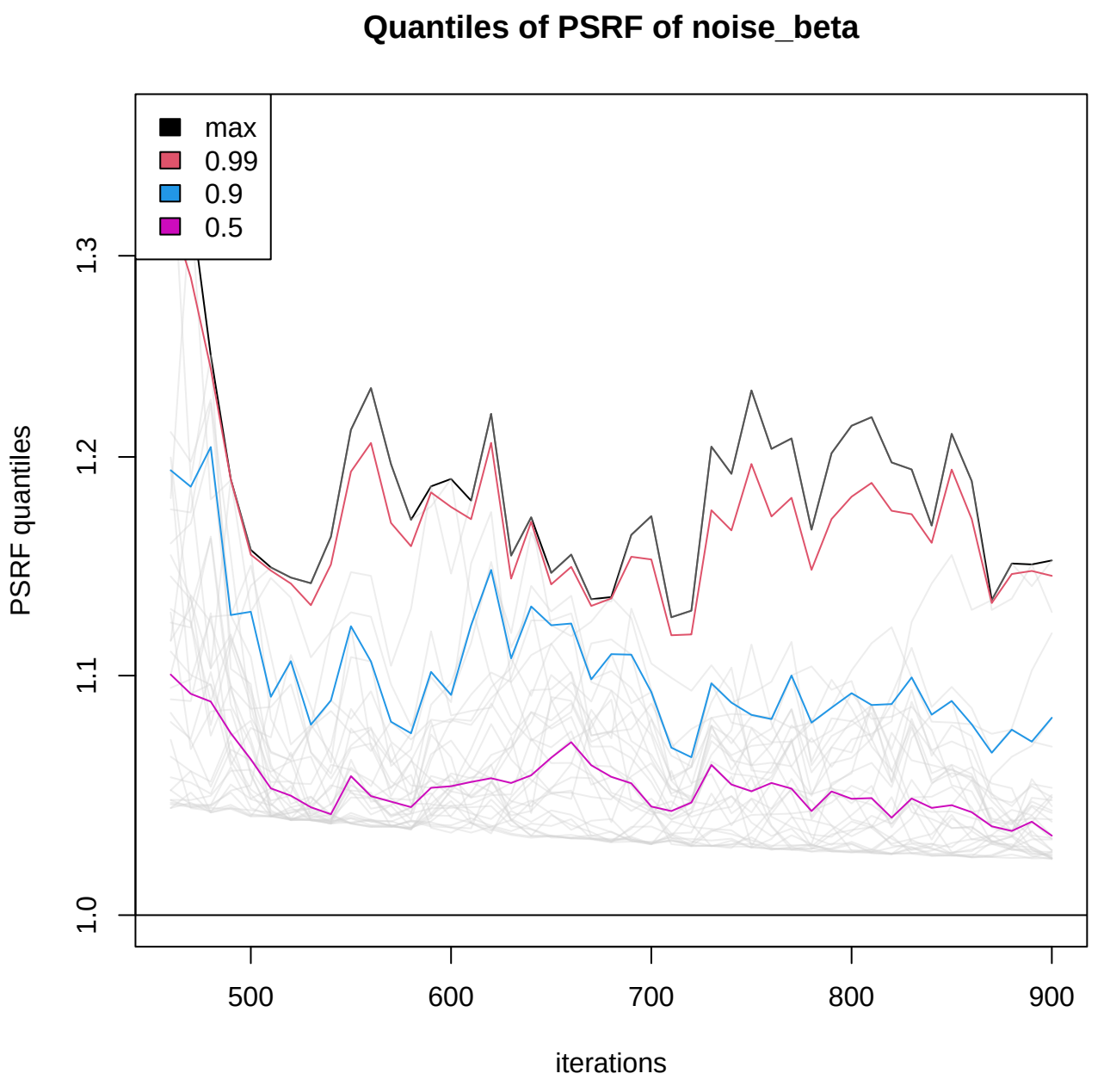

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
400
500
600
700
800
iteration

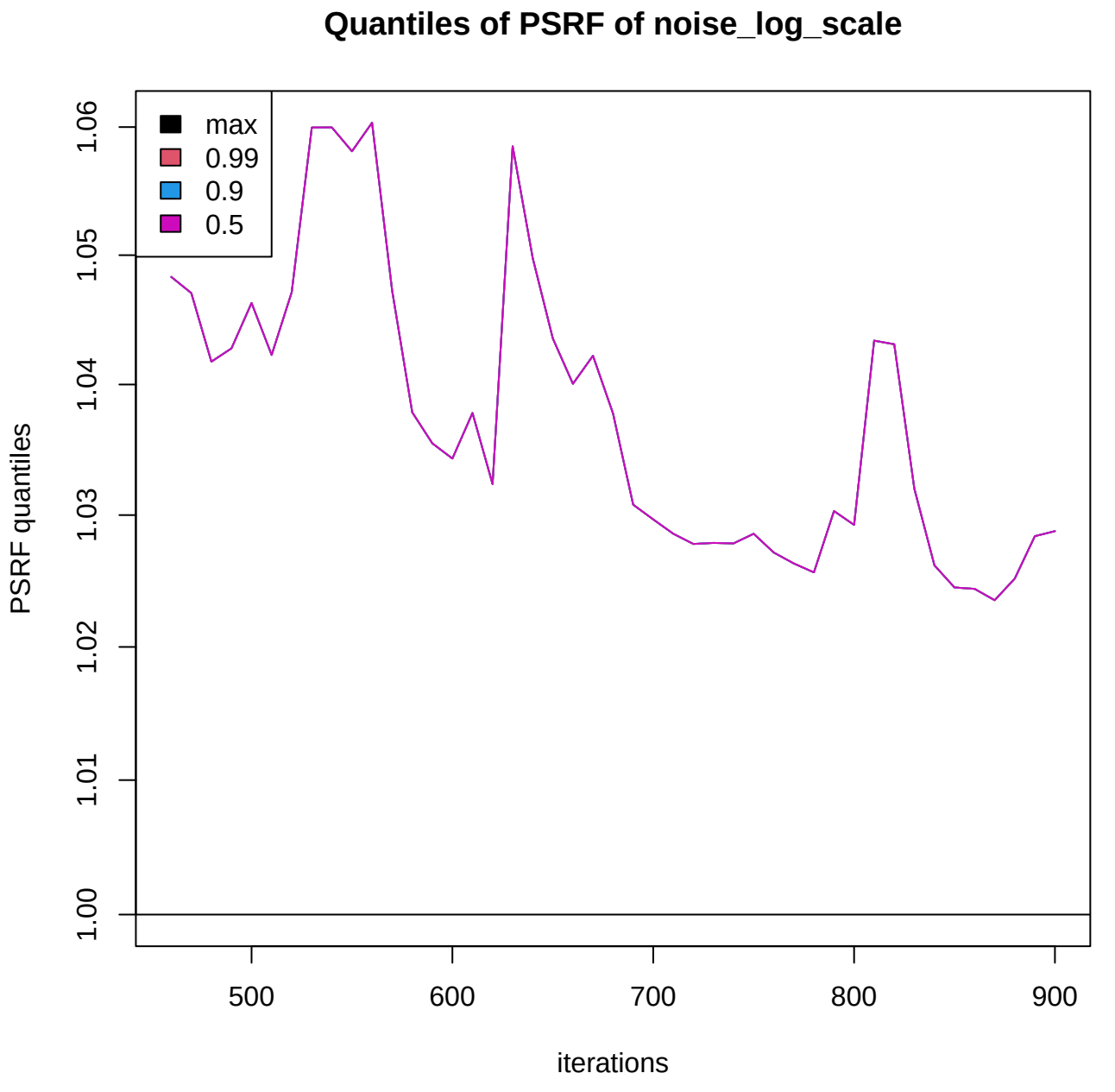

noise_log_scale
log scale
1.5
1.0
0.5
400
500
600
700
800
iteration

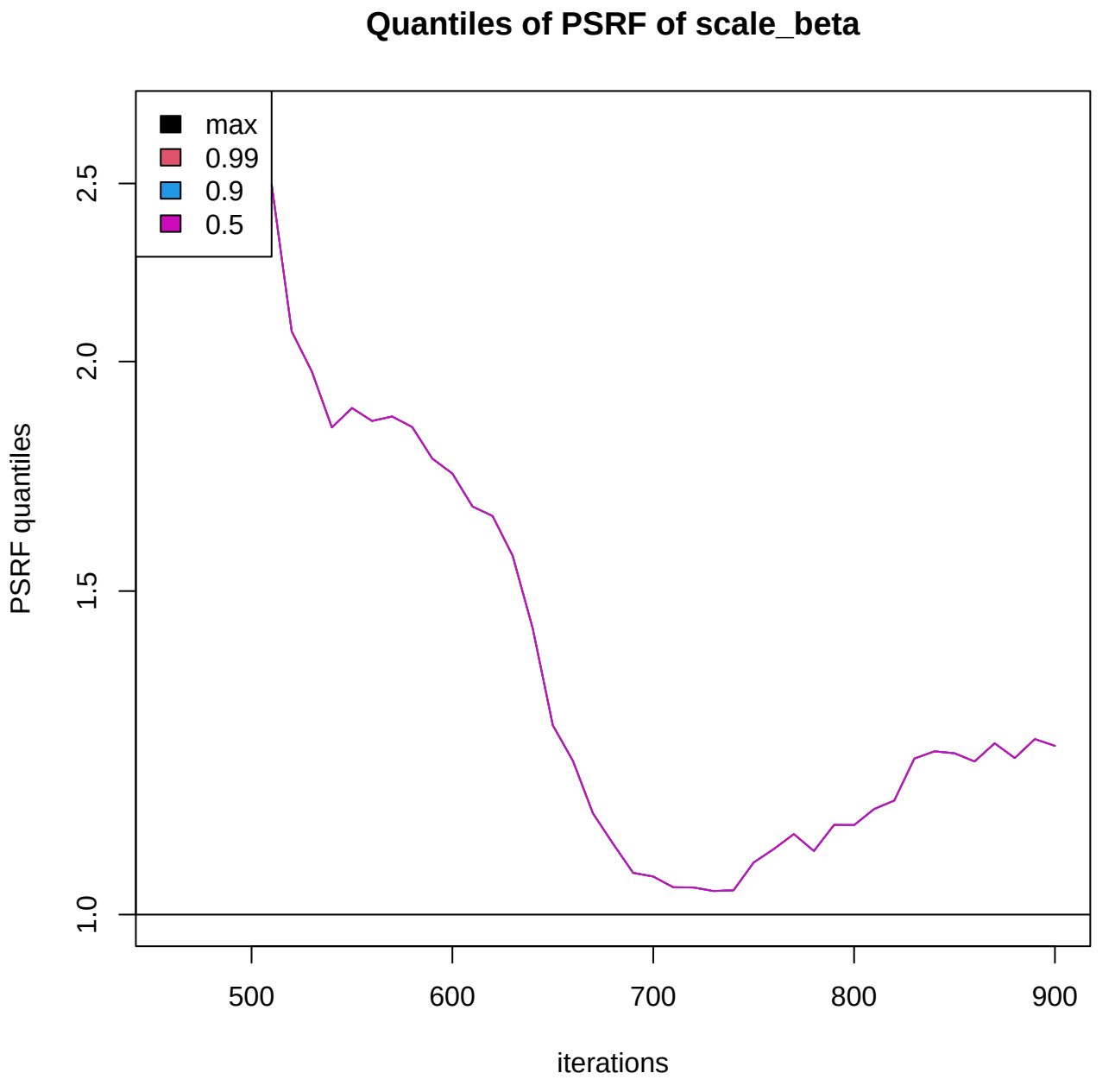

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
400
500
600
700
800
iteration

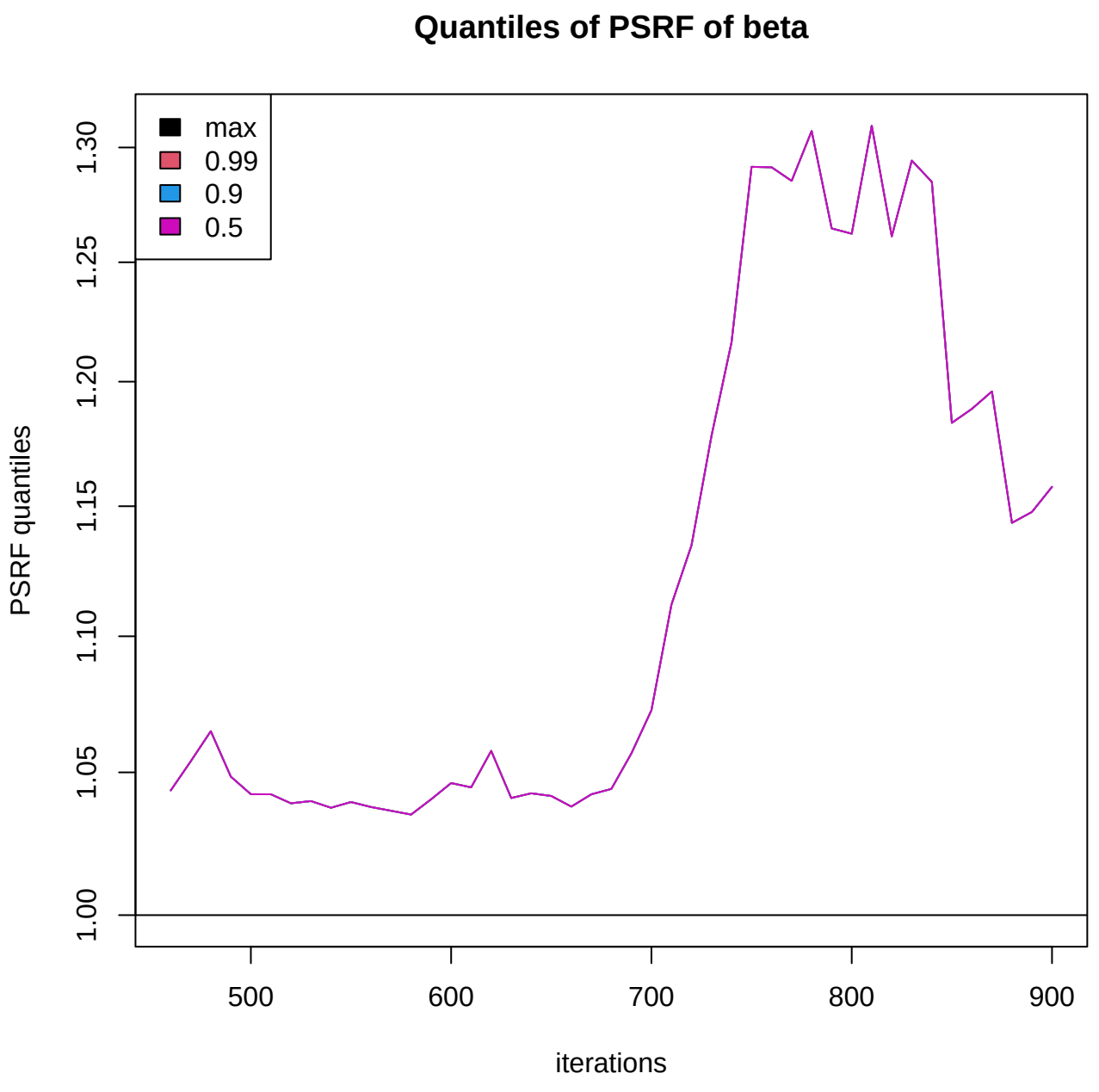

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
400
500
600
700
800
iteration

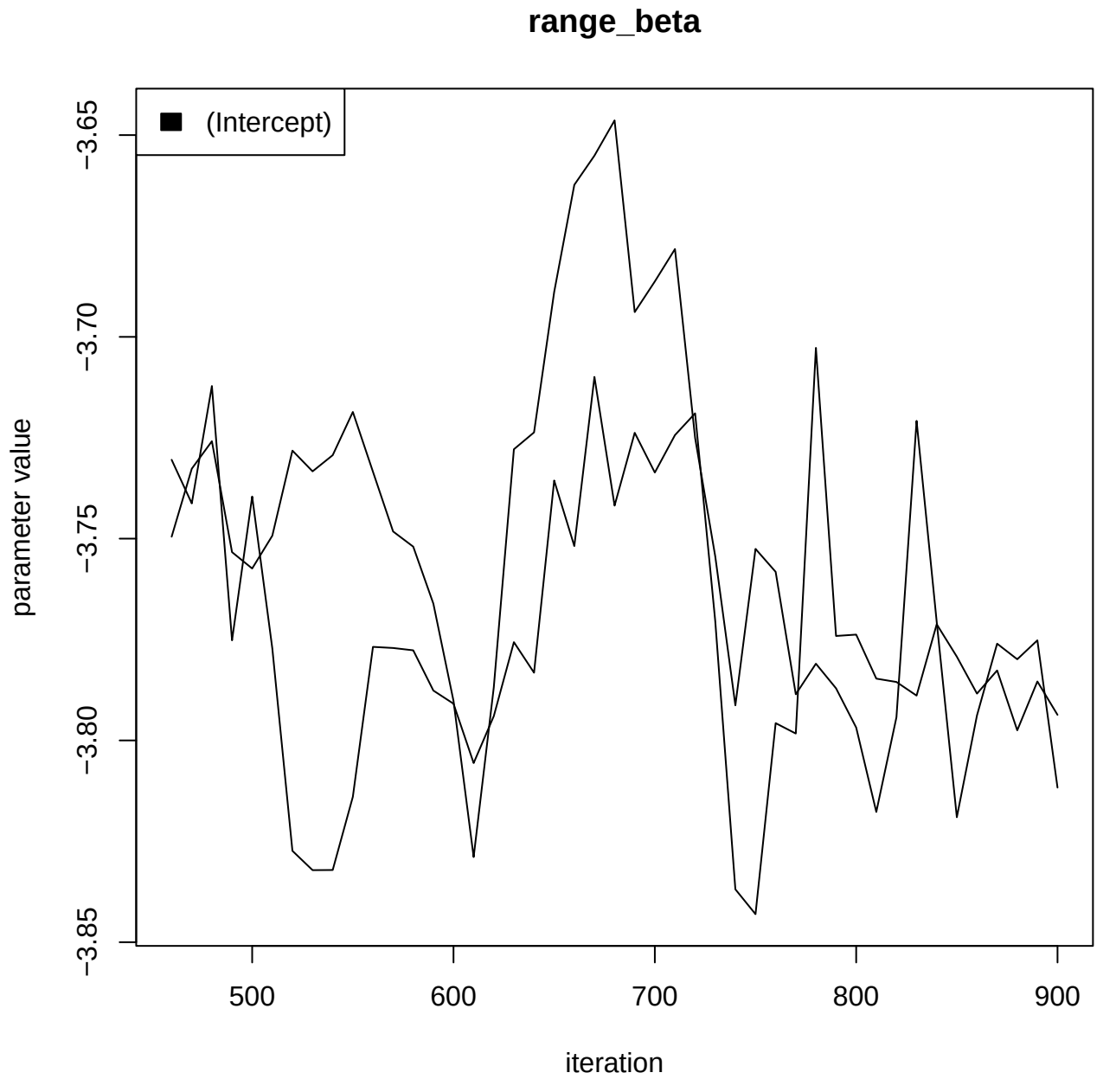

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
3.0
500
600
700
800
900
iterations

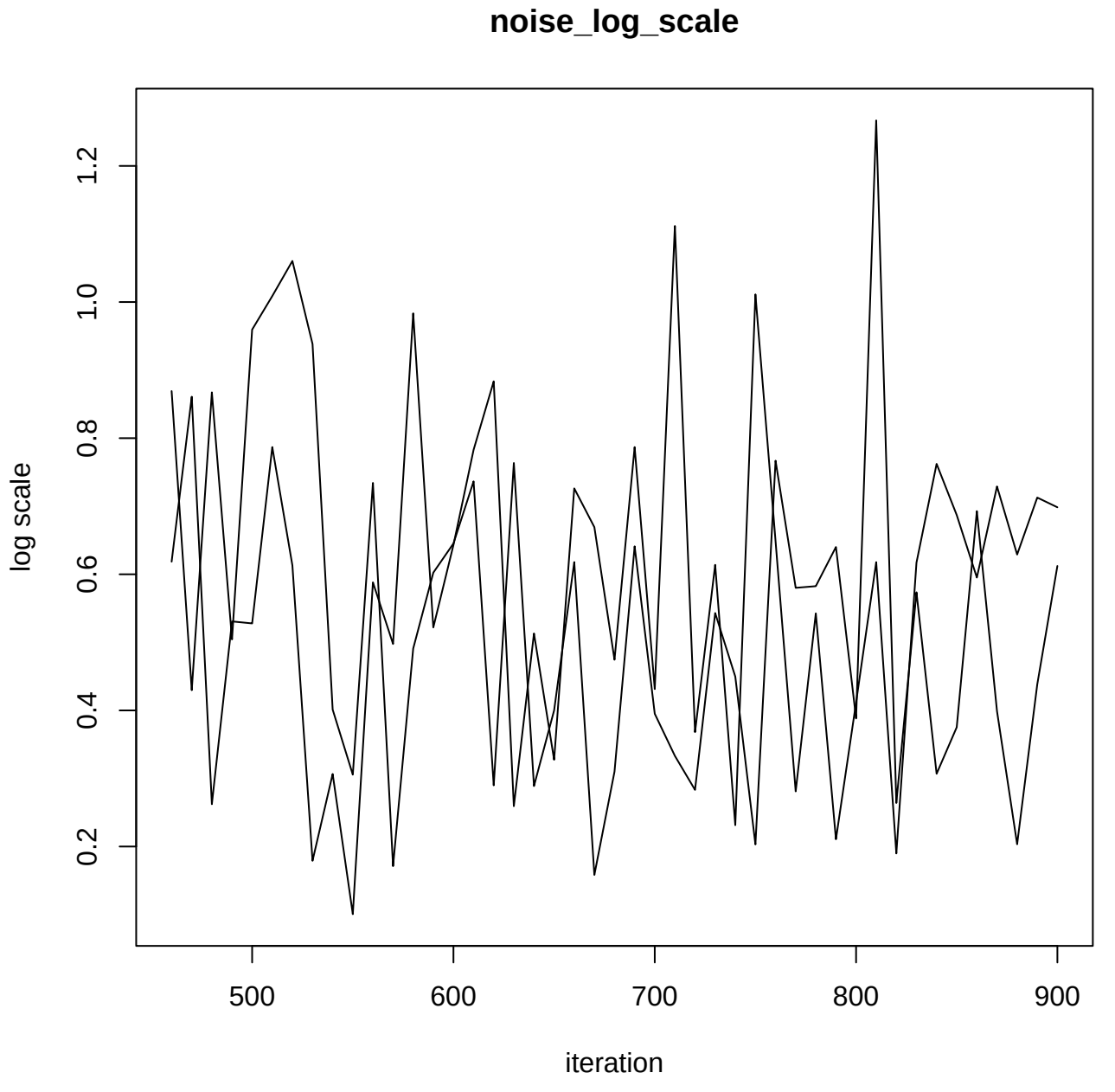

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
500
600
700
800
900
iterations

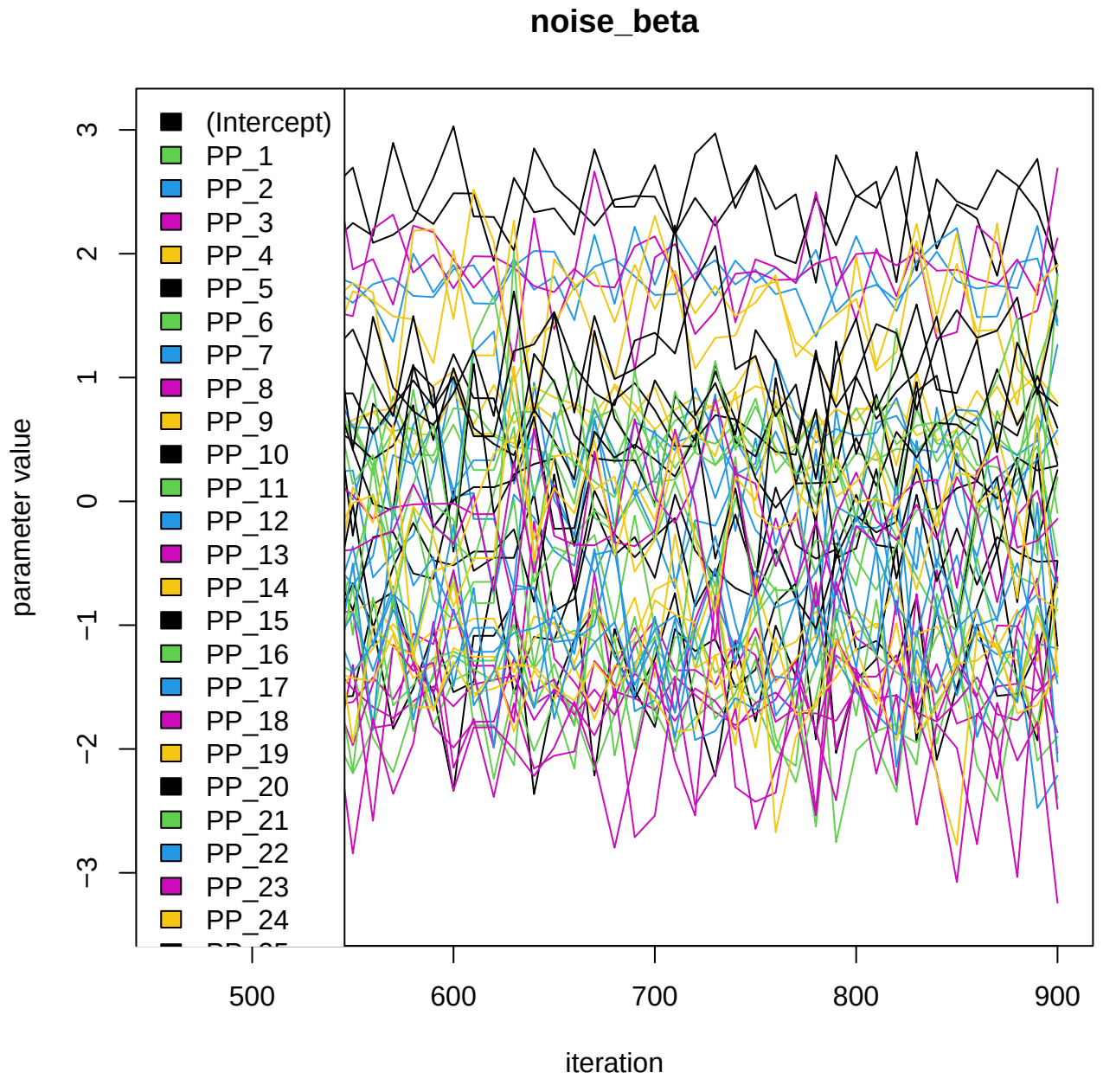

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.01
1.02
1.03
1.04
1.05
1.06
500
600
700
800
900
iterations

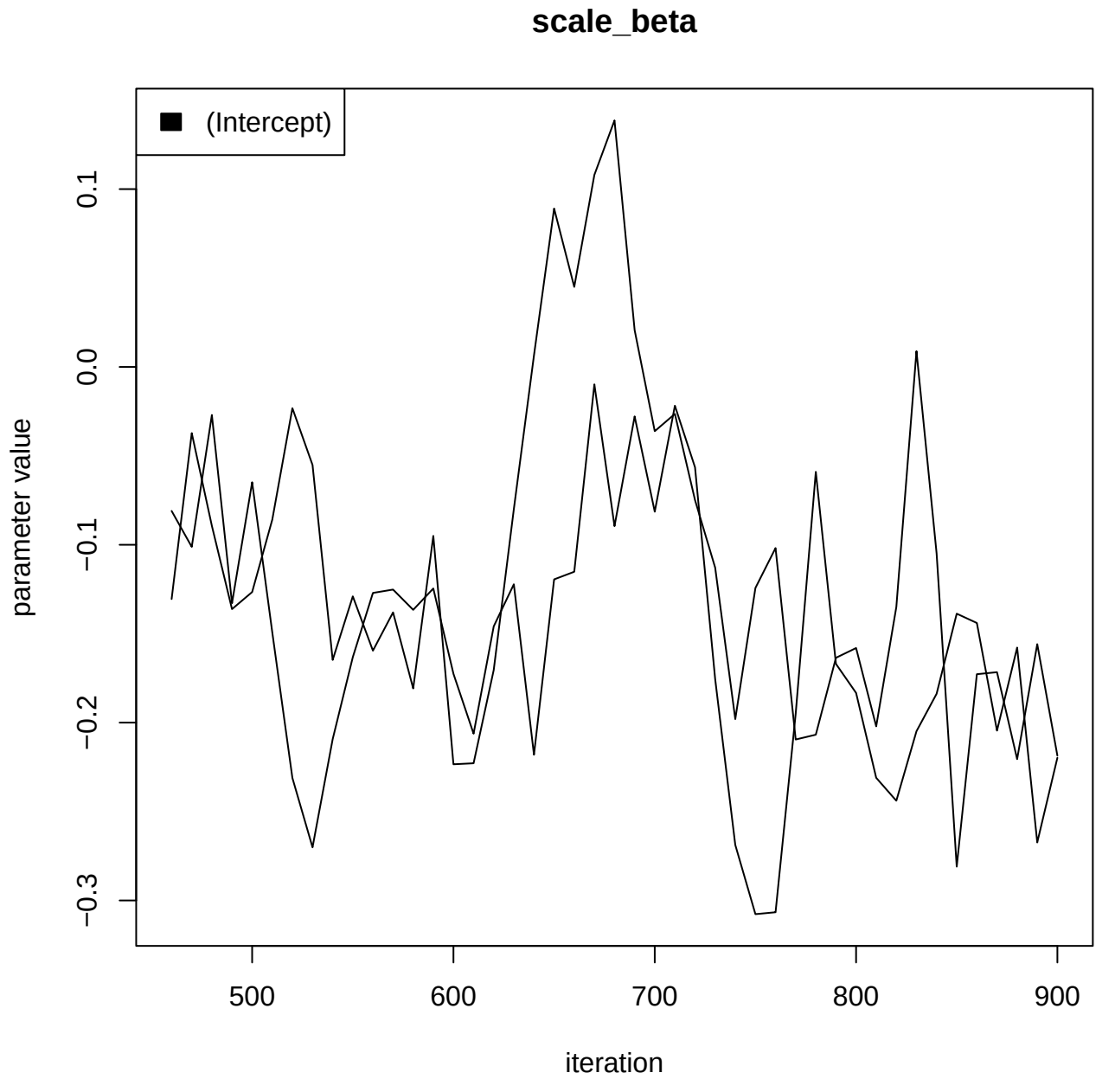

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
500
600
700
800
900
iterations

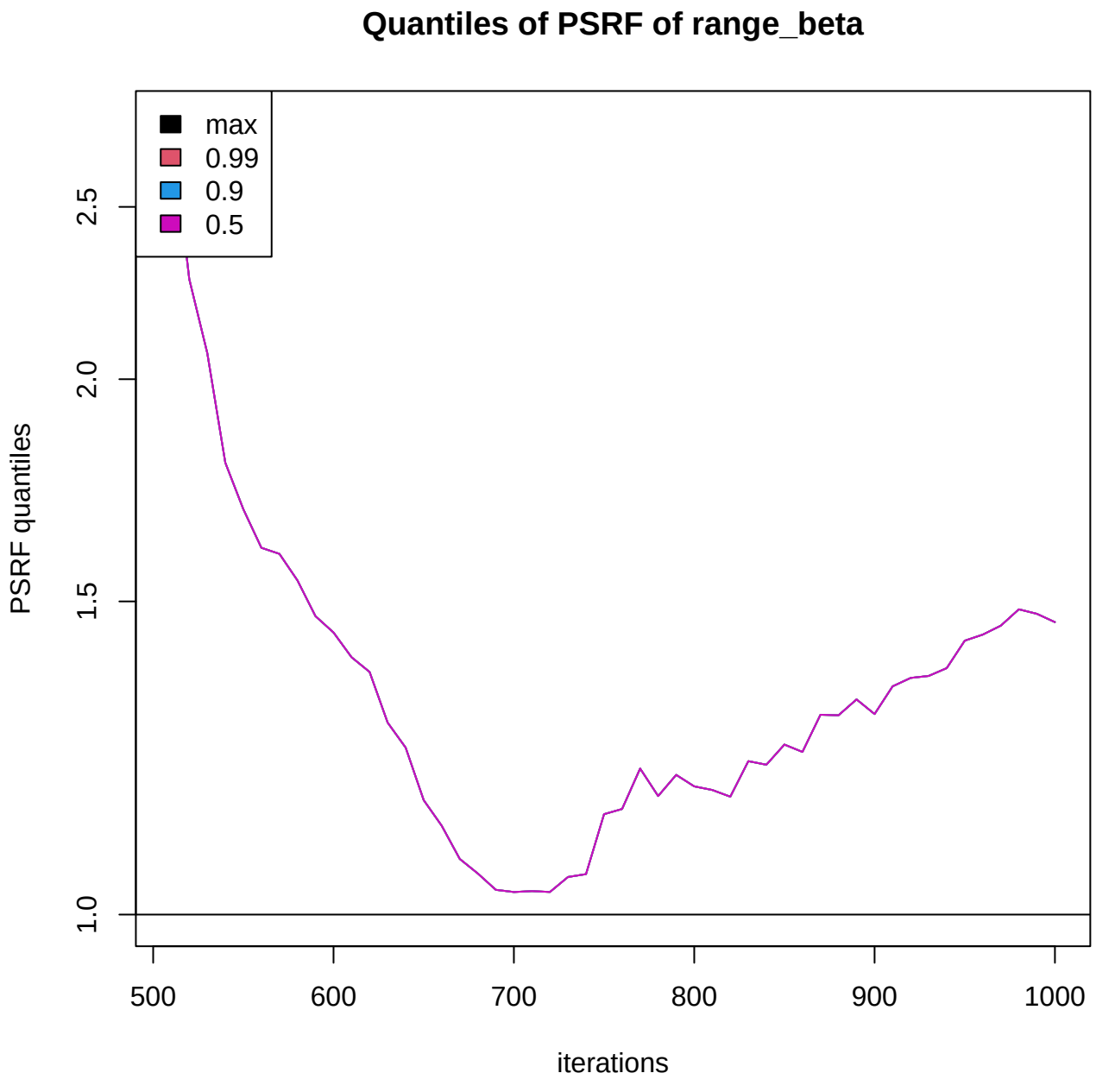

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
500
600
700
800
900
iterations

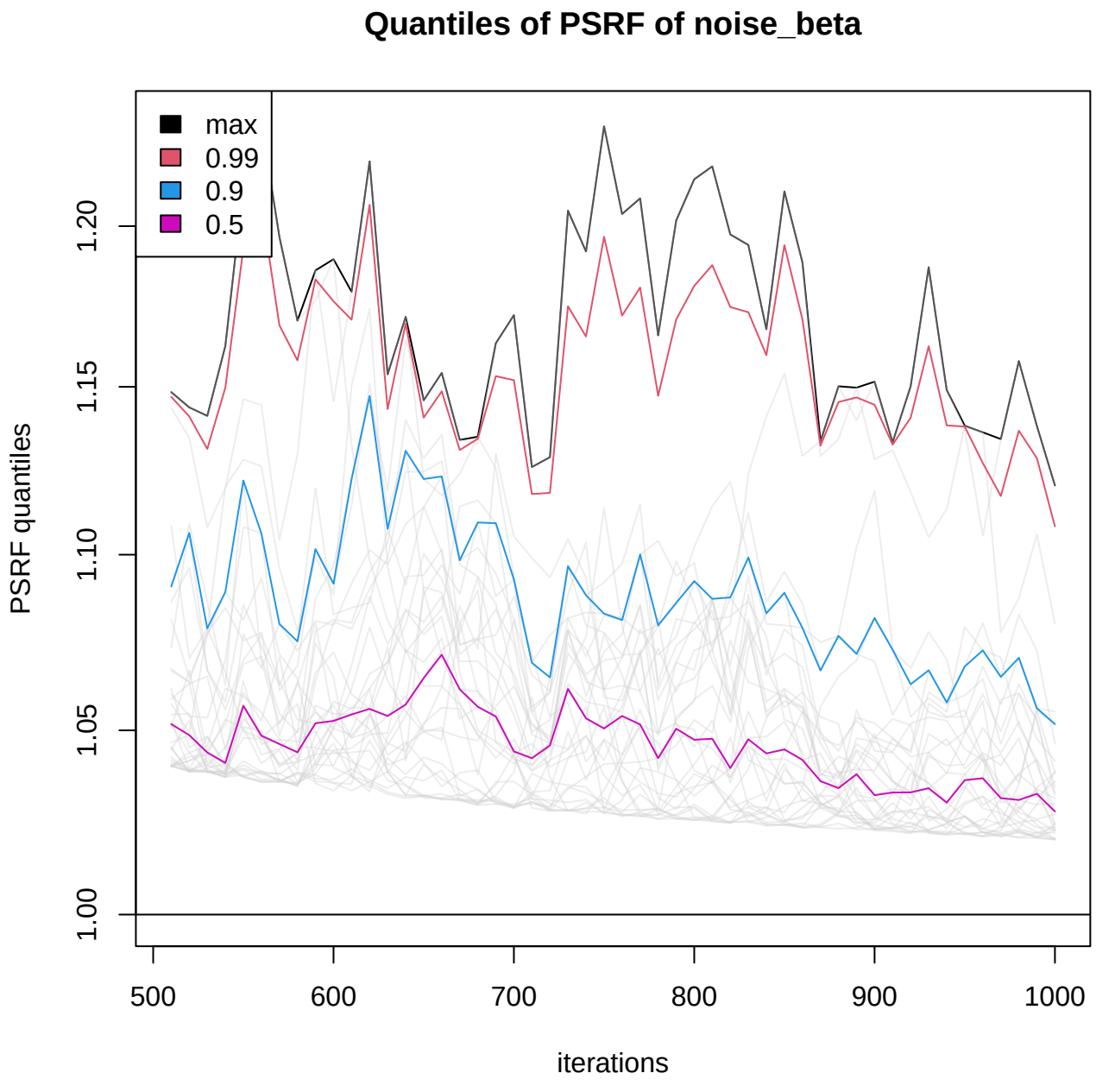

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
500
600
700
800
900
iteration

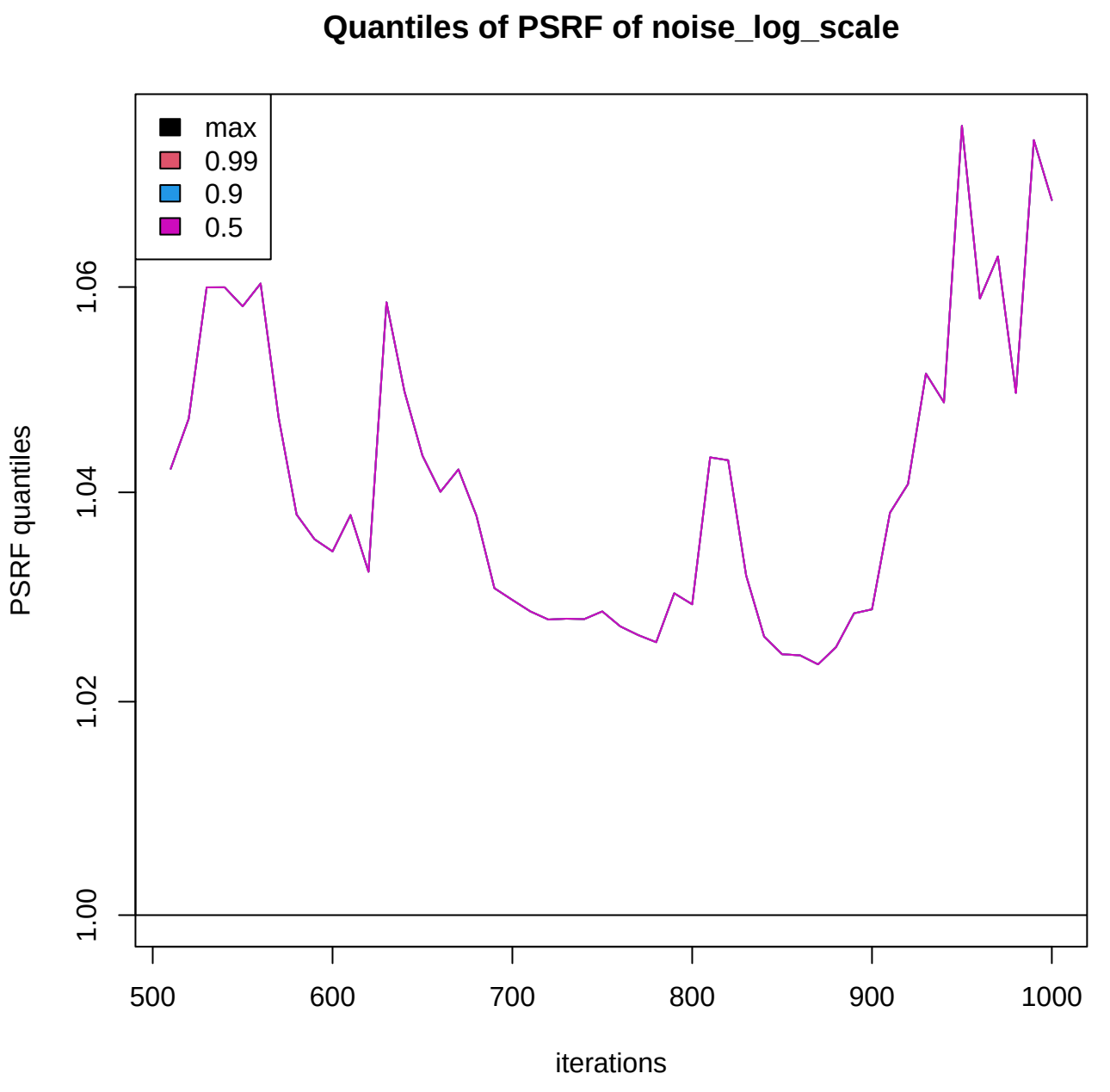

noise_log_scale
log scale
0.2
0.4
0.6
0.8
1.0
1.2
500
600
700
800
900
iteration

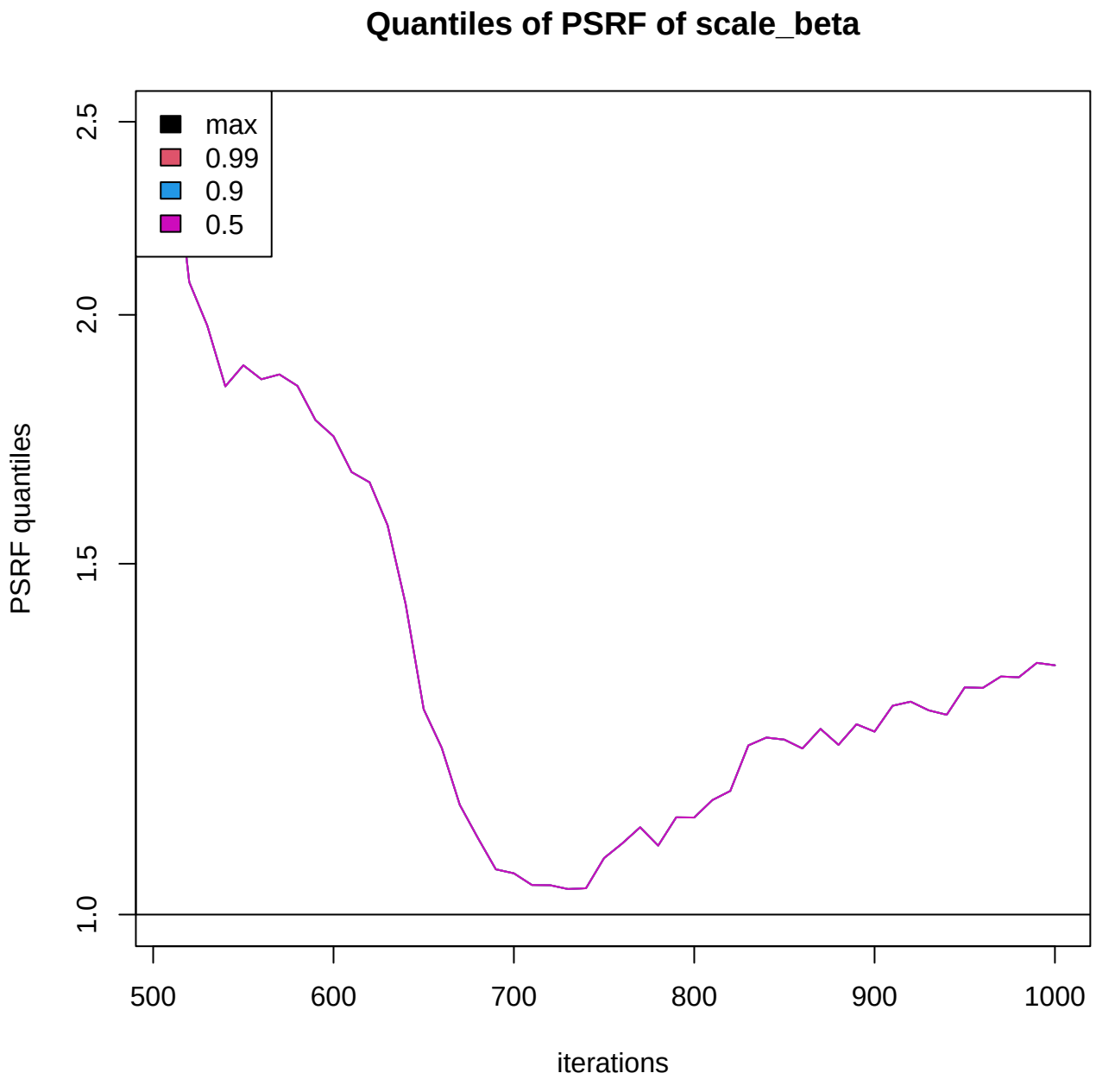

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
500
600
700
800
900
iteration

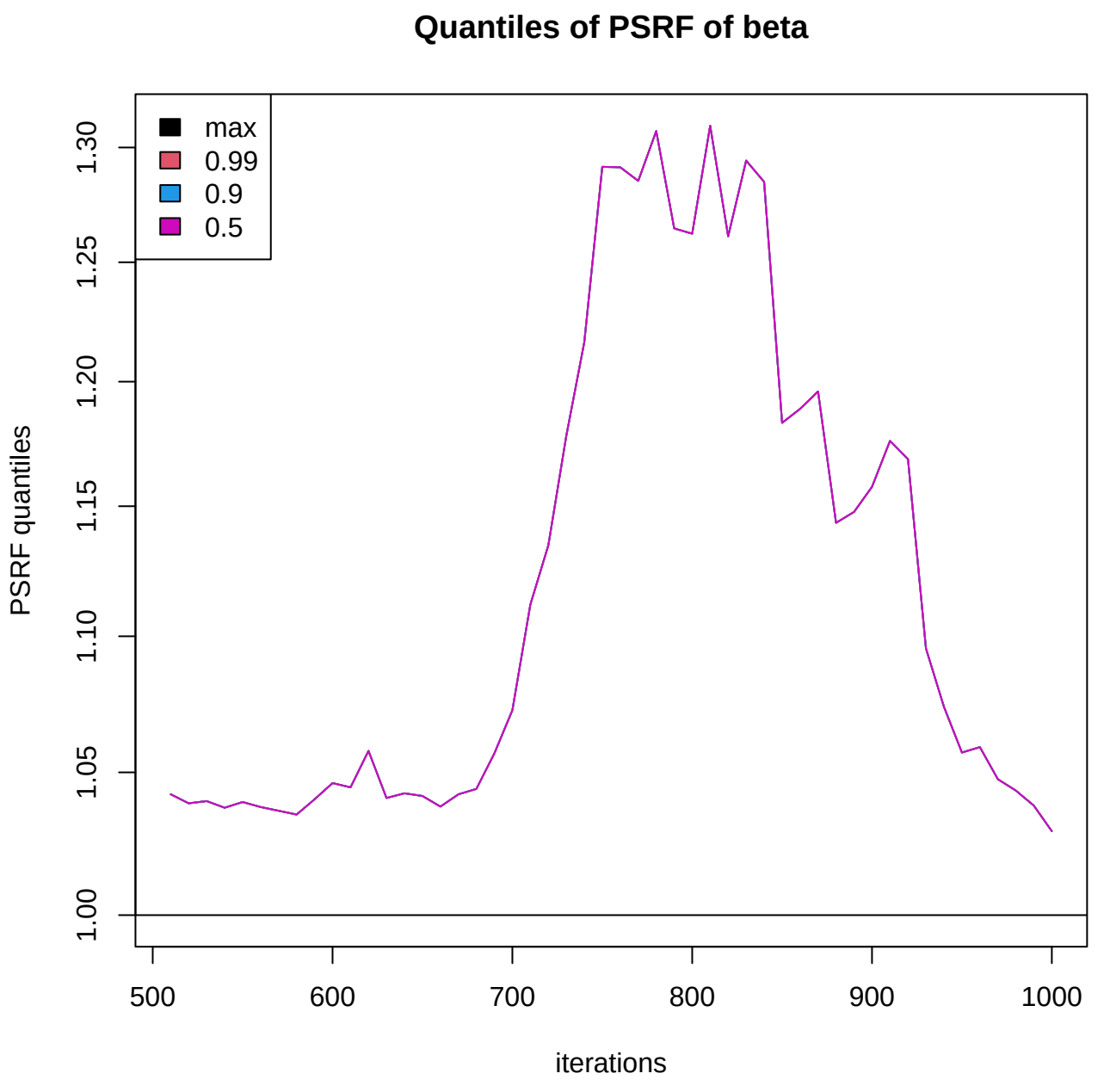

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
500
600
700
800
900
iteration

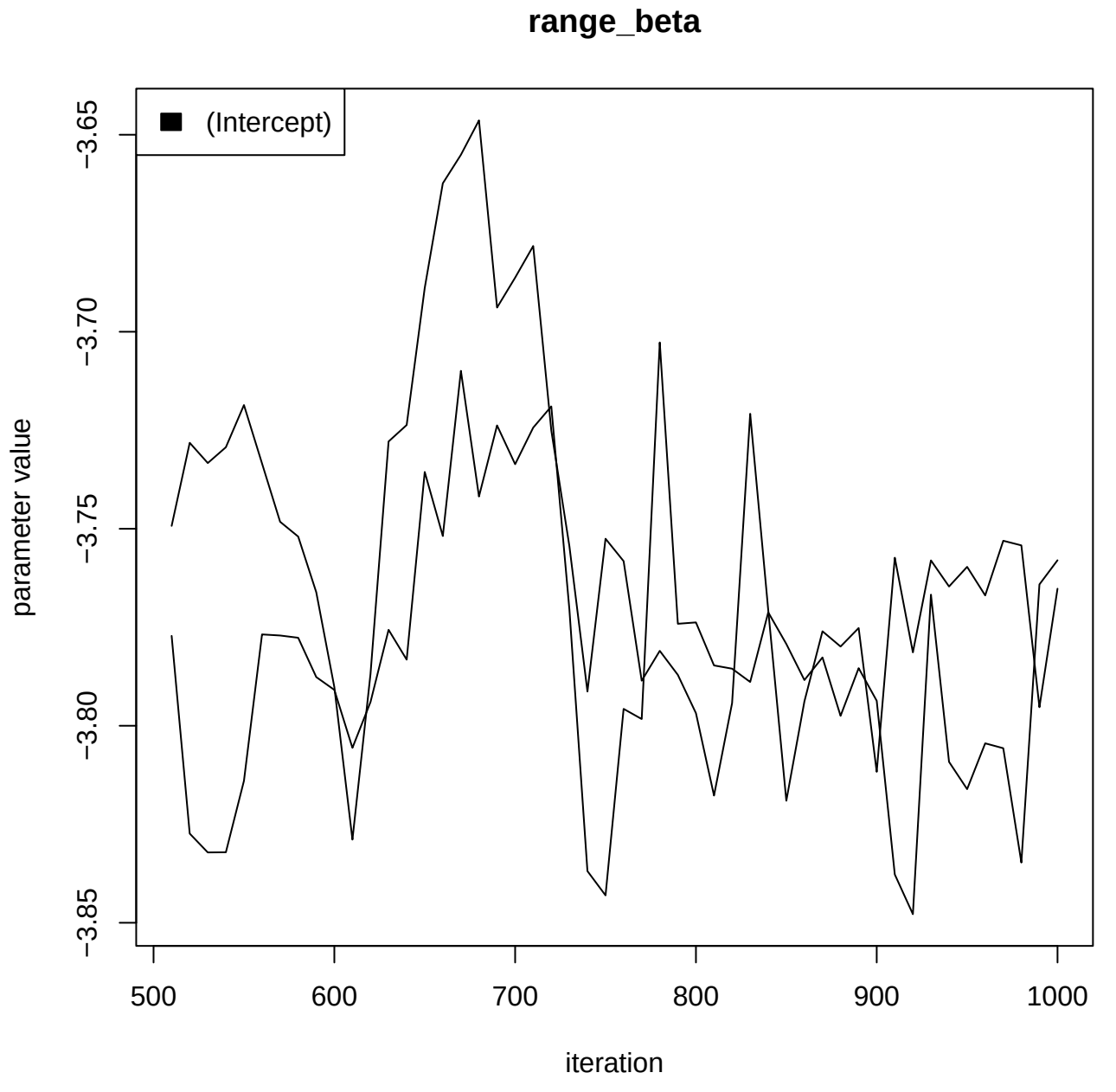

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
500
600
700
800
900
1000
iterations

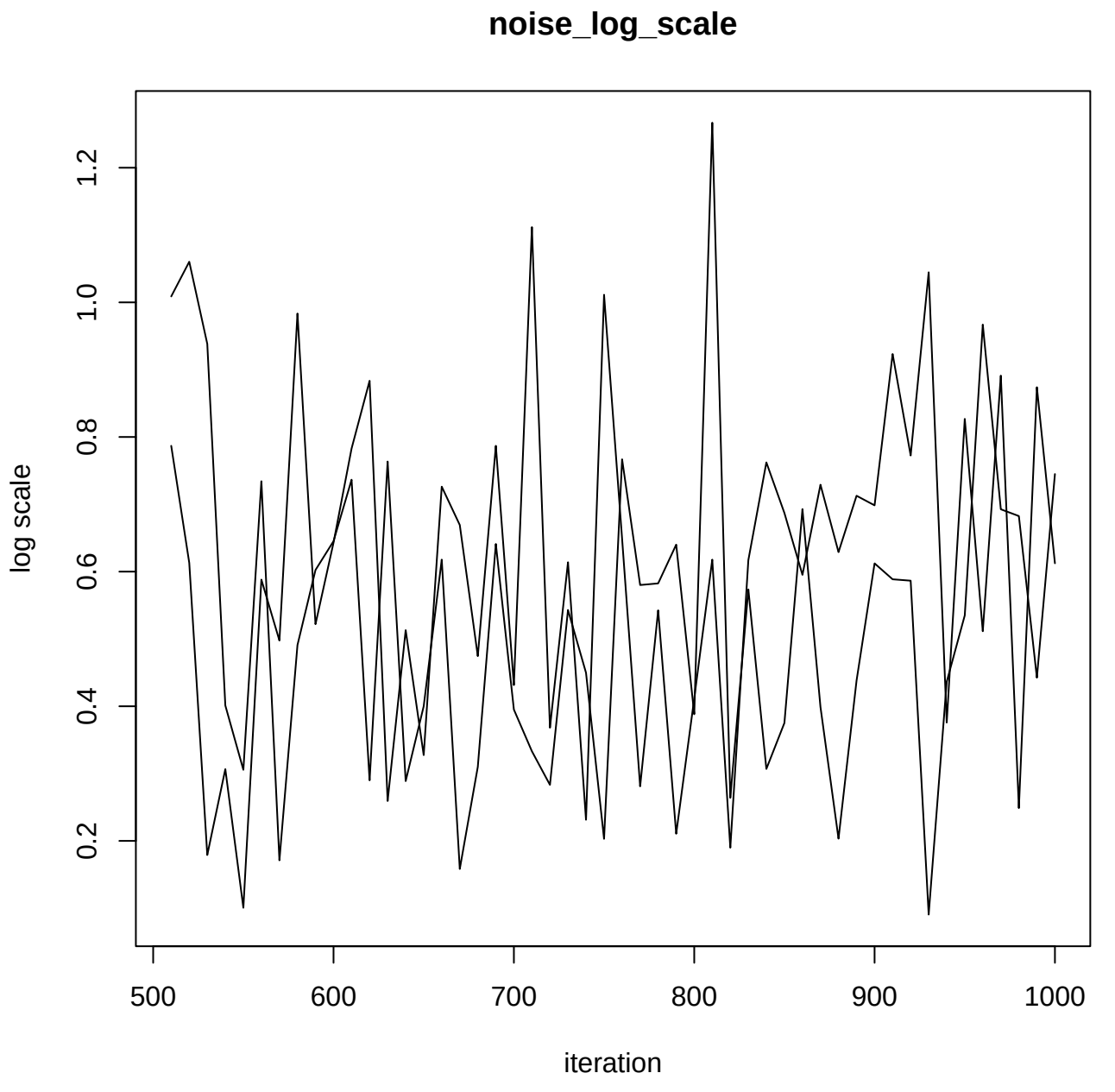

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
500
600
700
800
900
1000
iterations

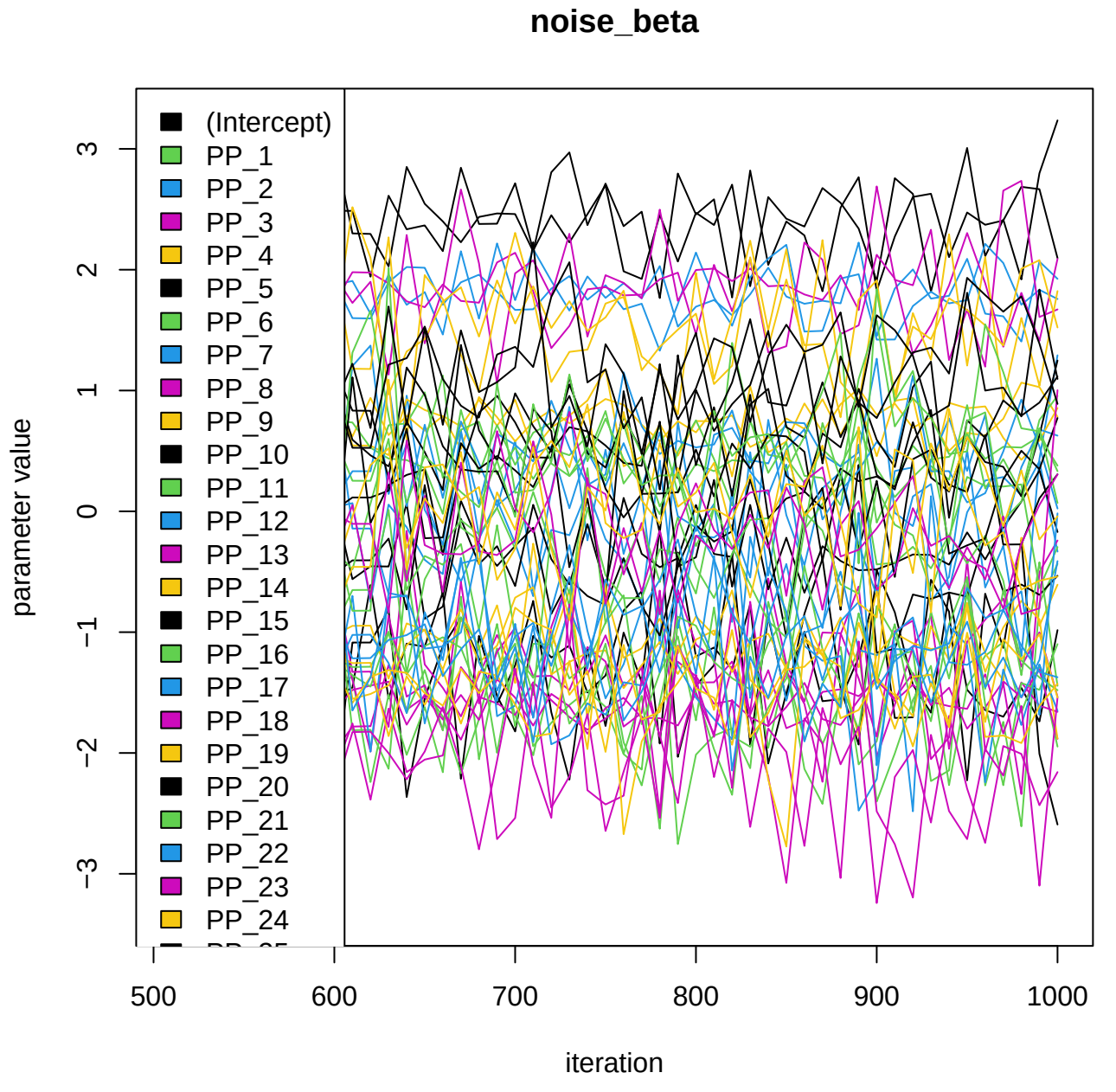

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
500
600
700
800
900
1000
iterations

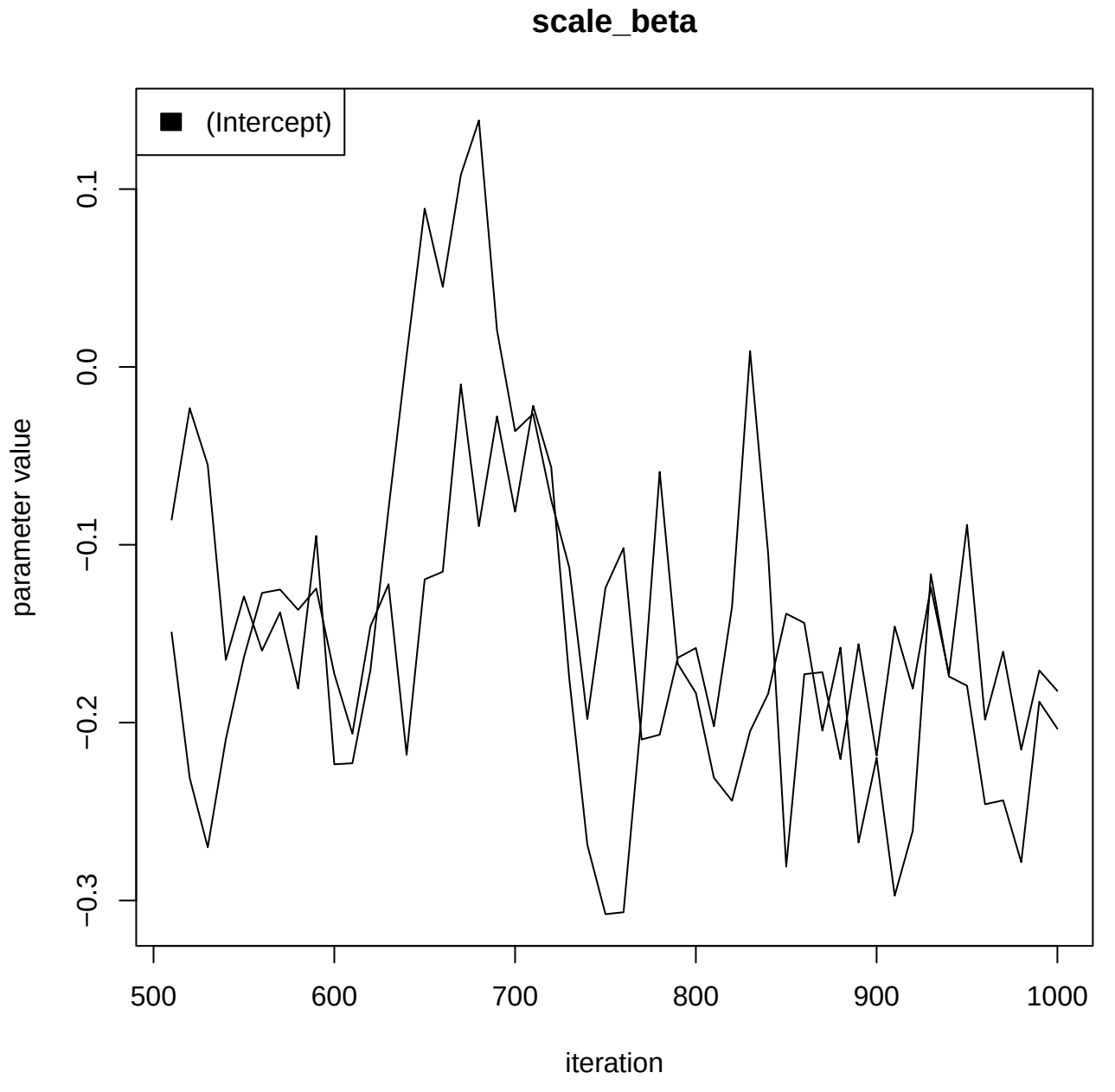

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.5
2.0
2.5
500
600
700
800
900
1000
iterations

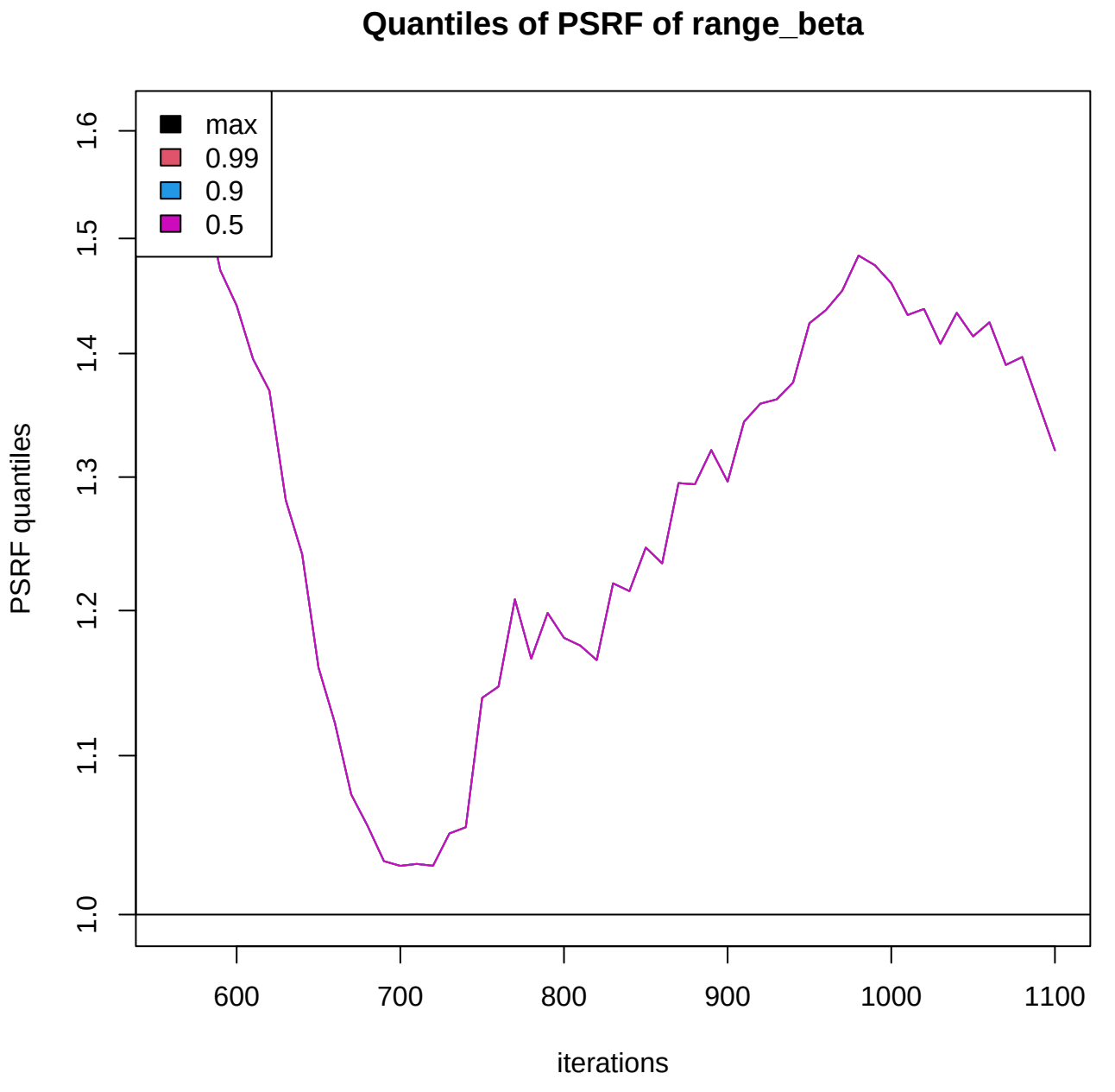

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
500
600
700
800
900
1000
iterations

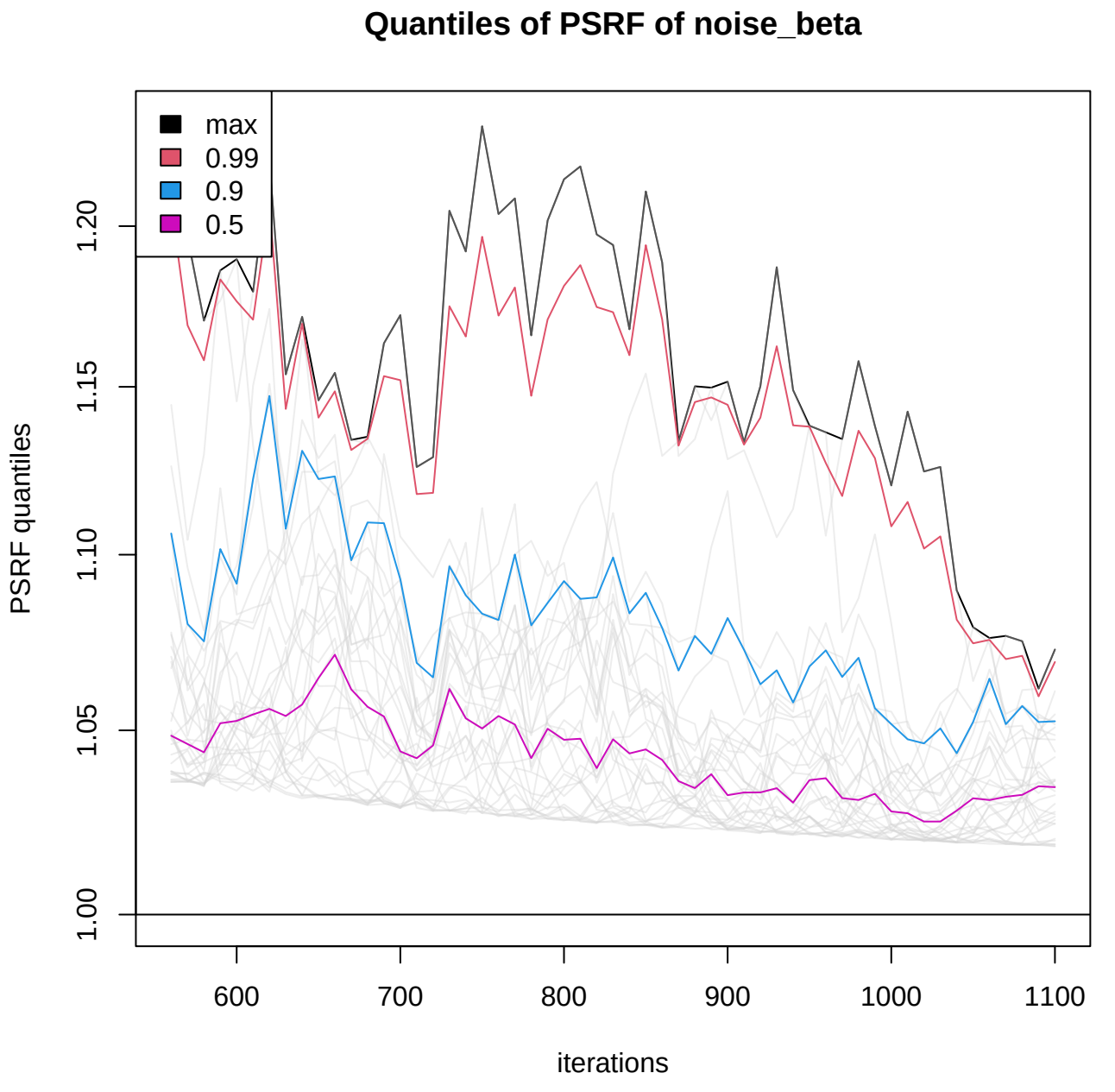

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
500
600
700
800
900
1000
iteration

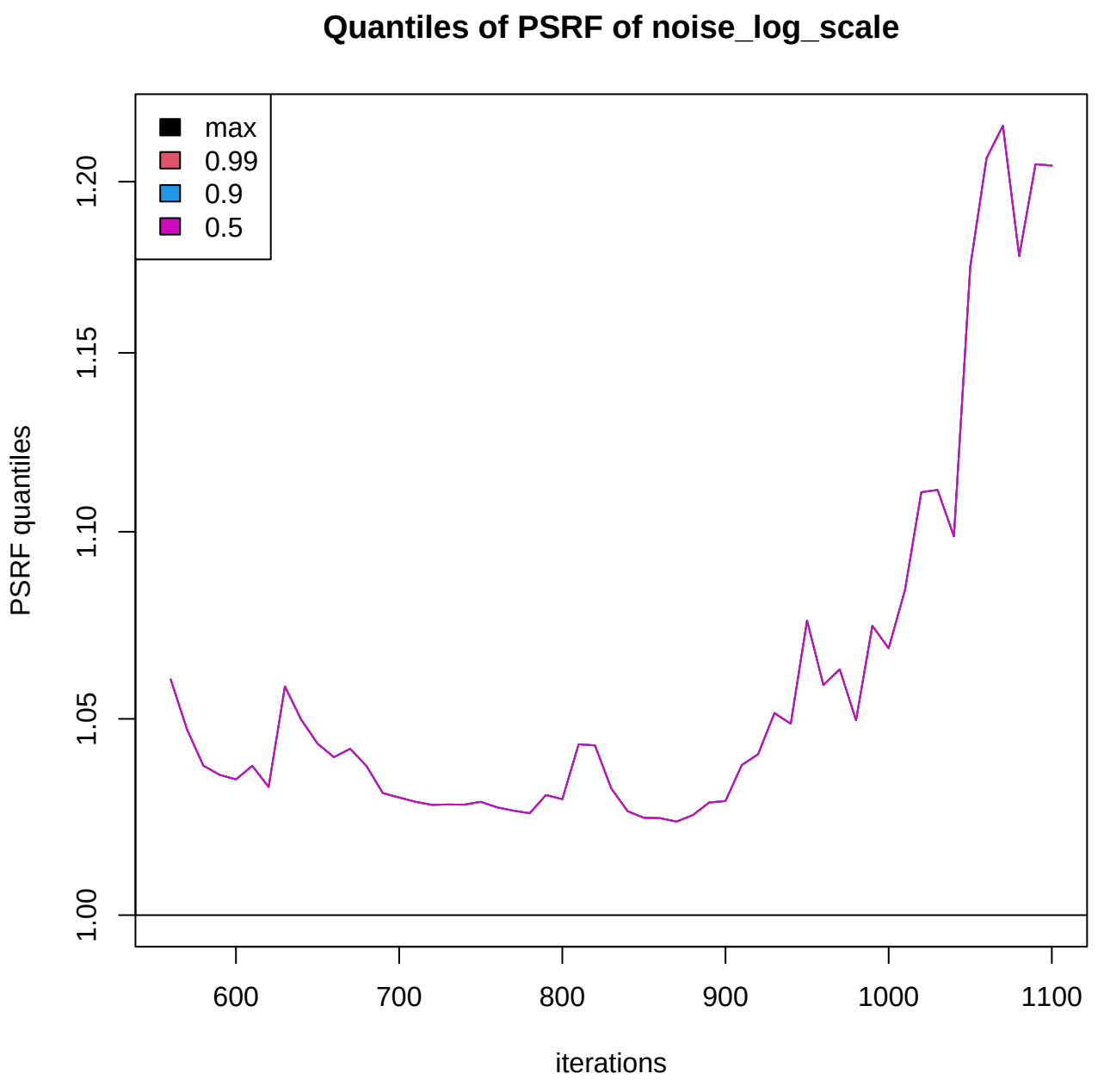

noise_log_scale
log scale
0.2
0.4
0.6
0.8
1.0
1.2
500
600
700
800
900
1000
iteration

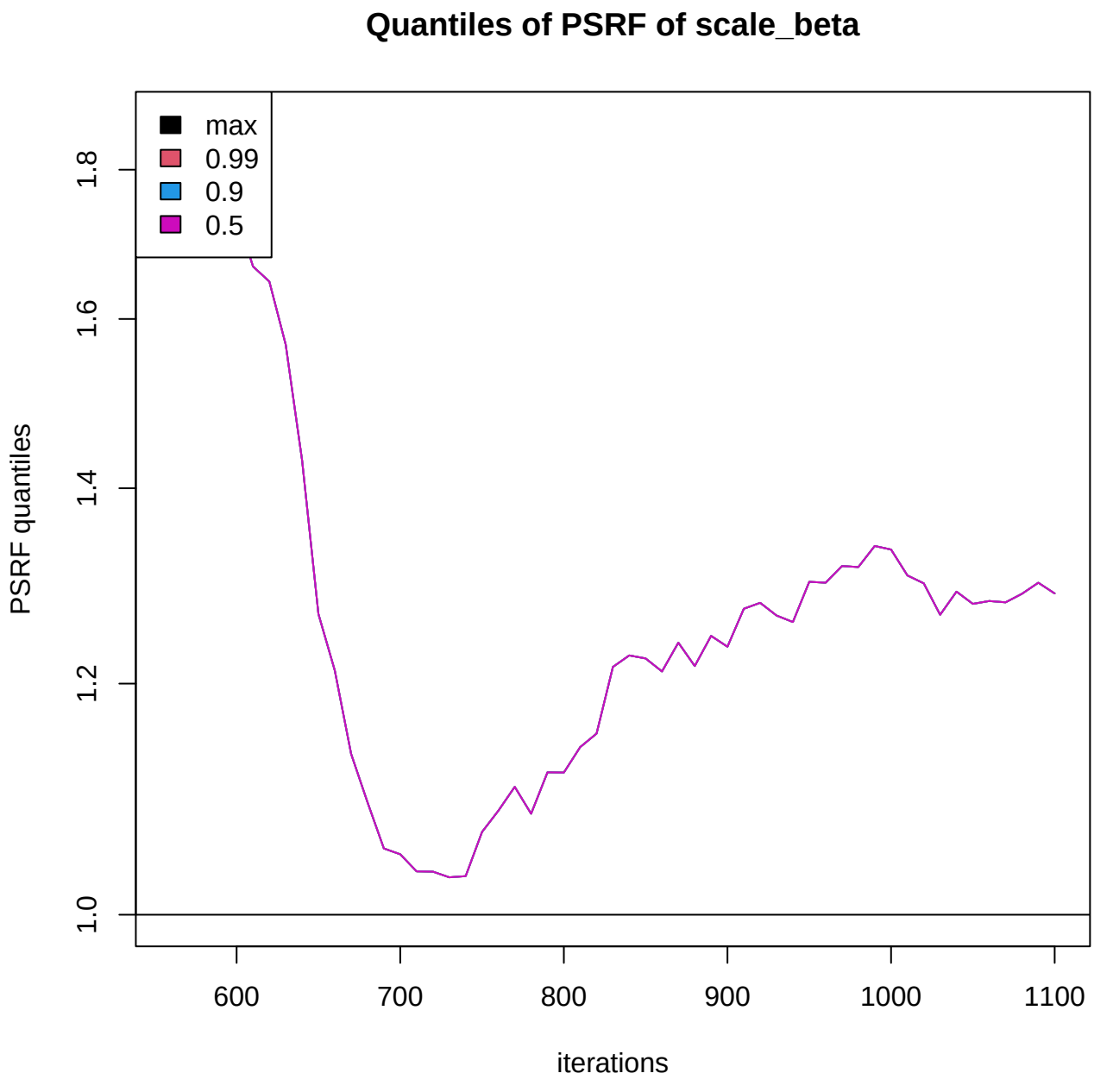

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
500
600
700
800
900
1000
iteration

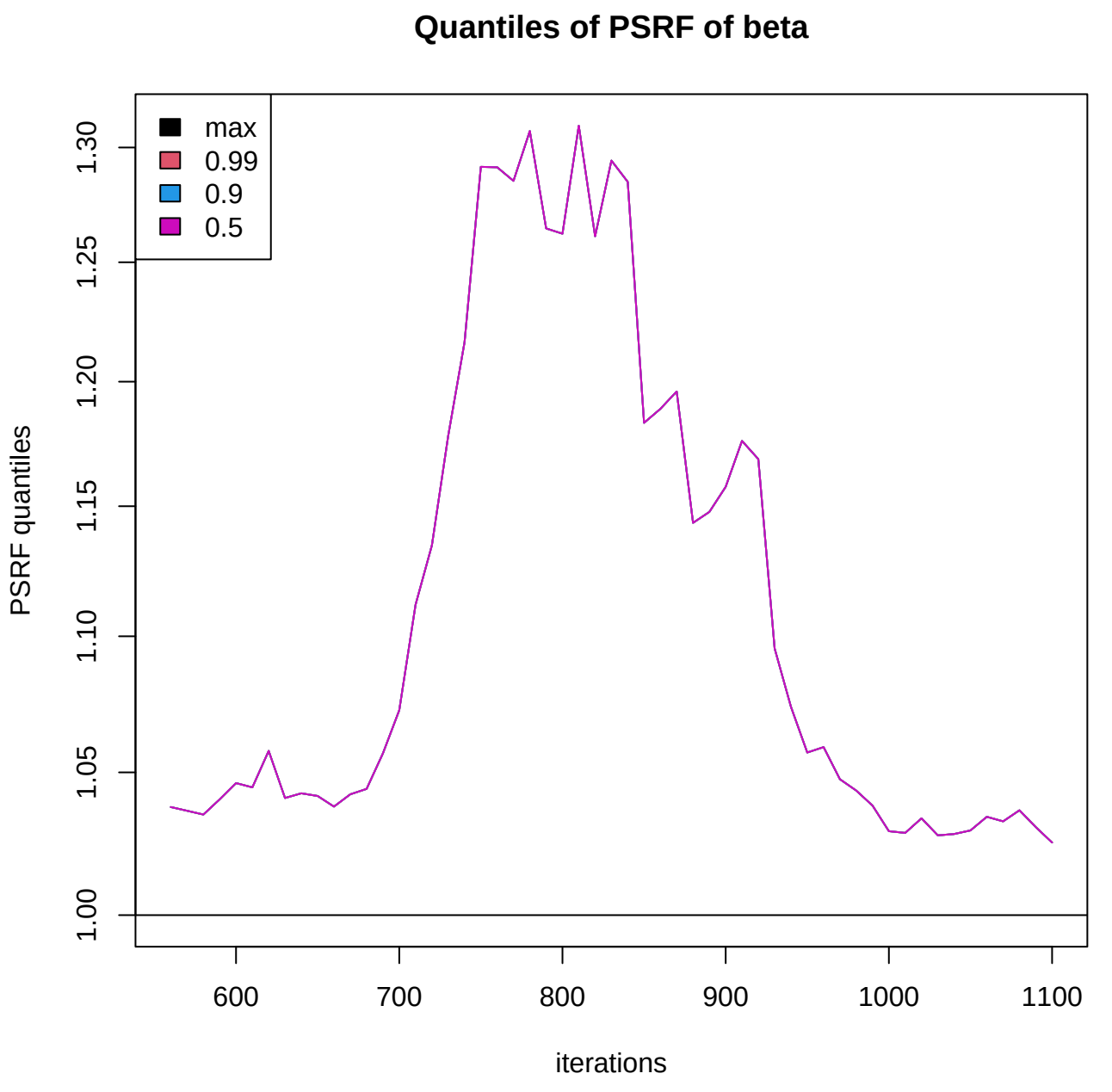

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
500
600
700
800
900
1000
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1.6
600
700
800
900
1000
1100
iterations


Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
600
700
800
900
1000
1100
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
600
700
800
900
1000
1100
iterations


Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.2
1.4
1.6
1.8
600
700
800
900
1000
1100
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
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1.10
1.15
1.20
1.25
1.30
600
700
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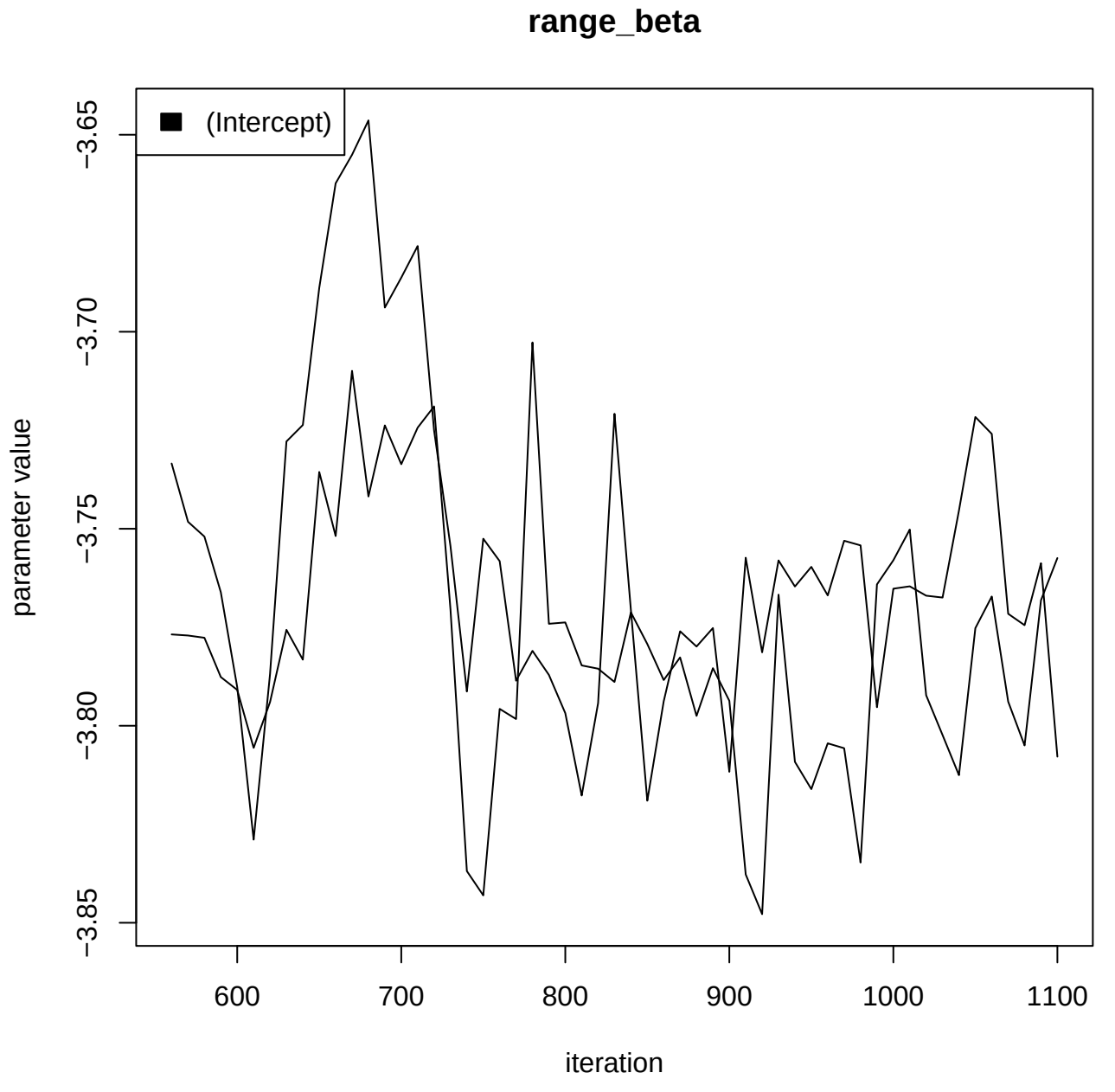
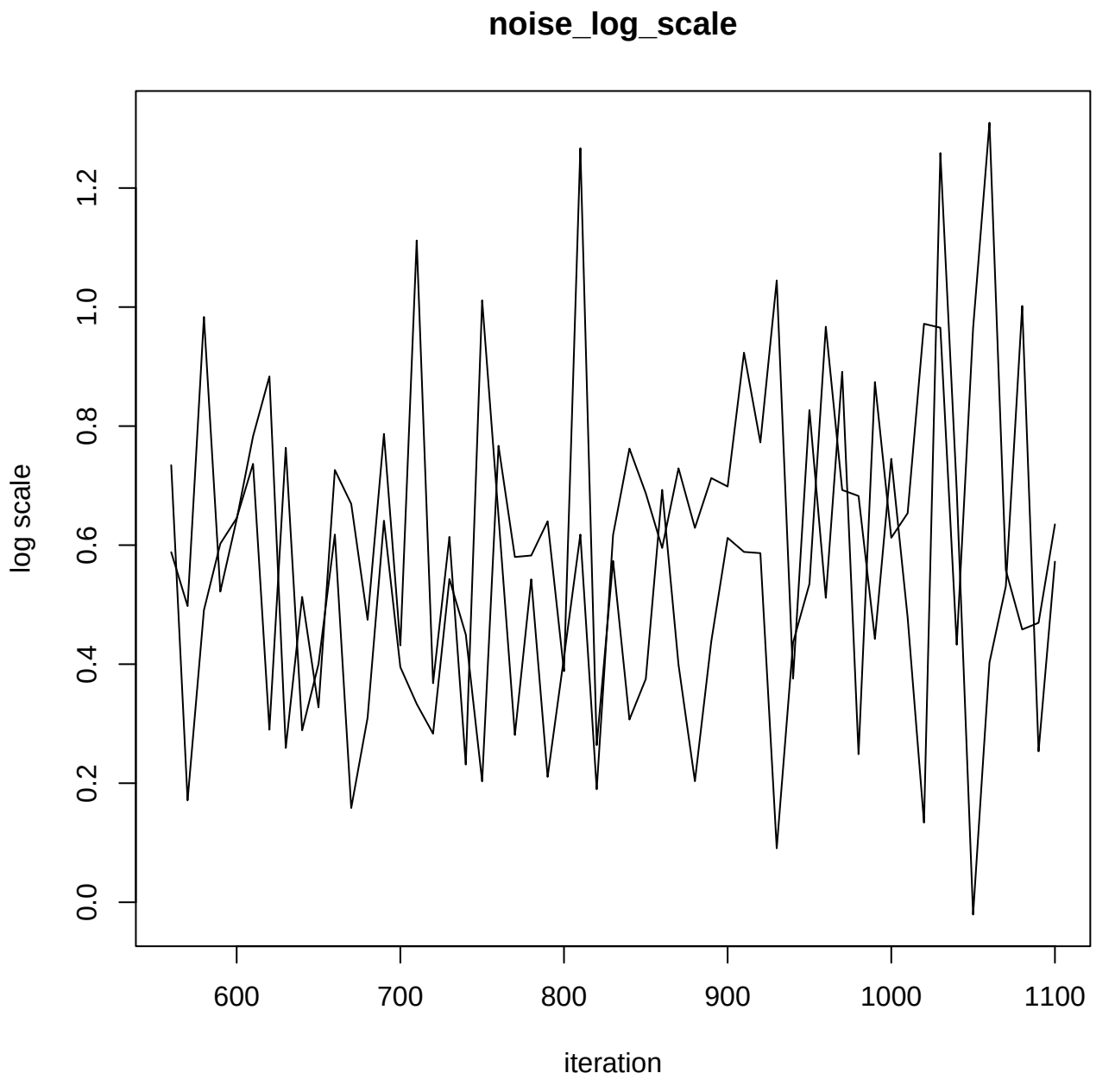
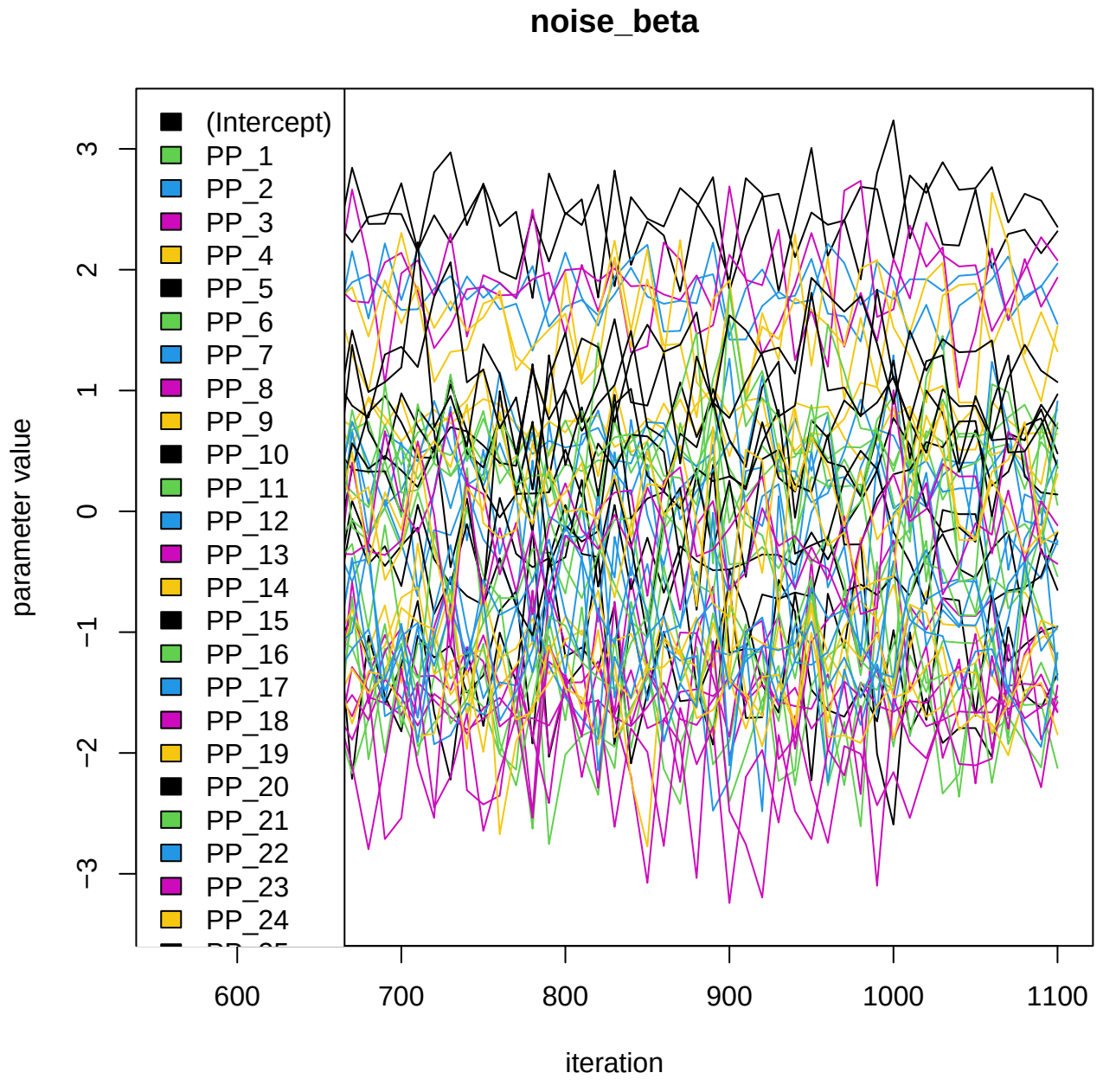
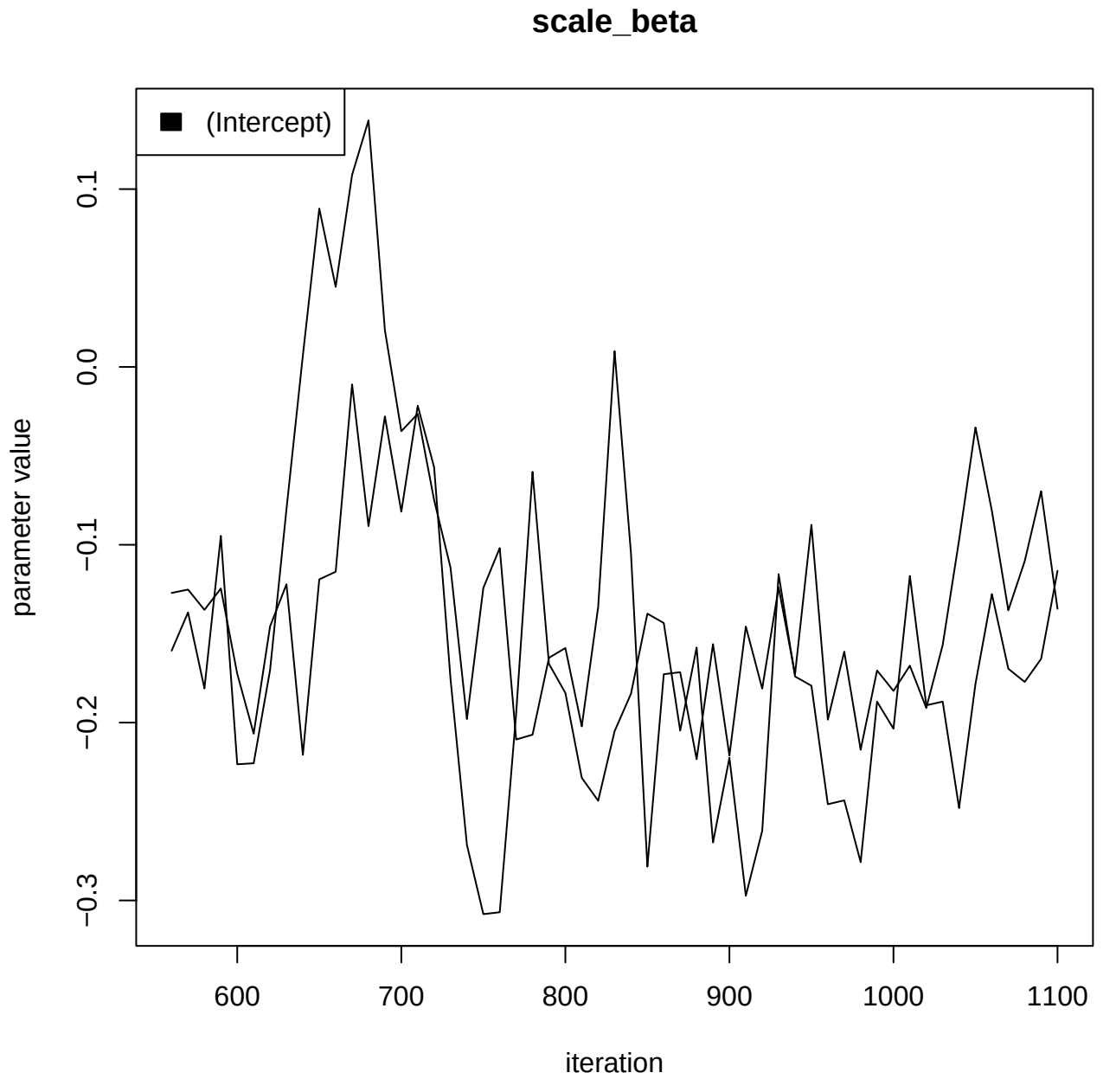
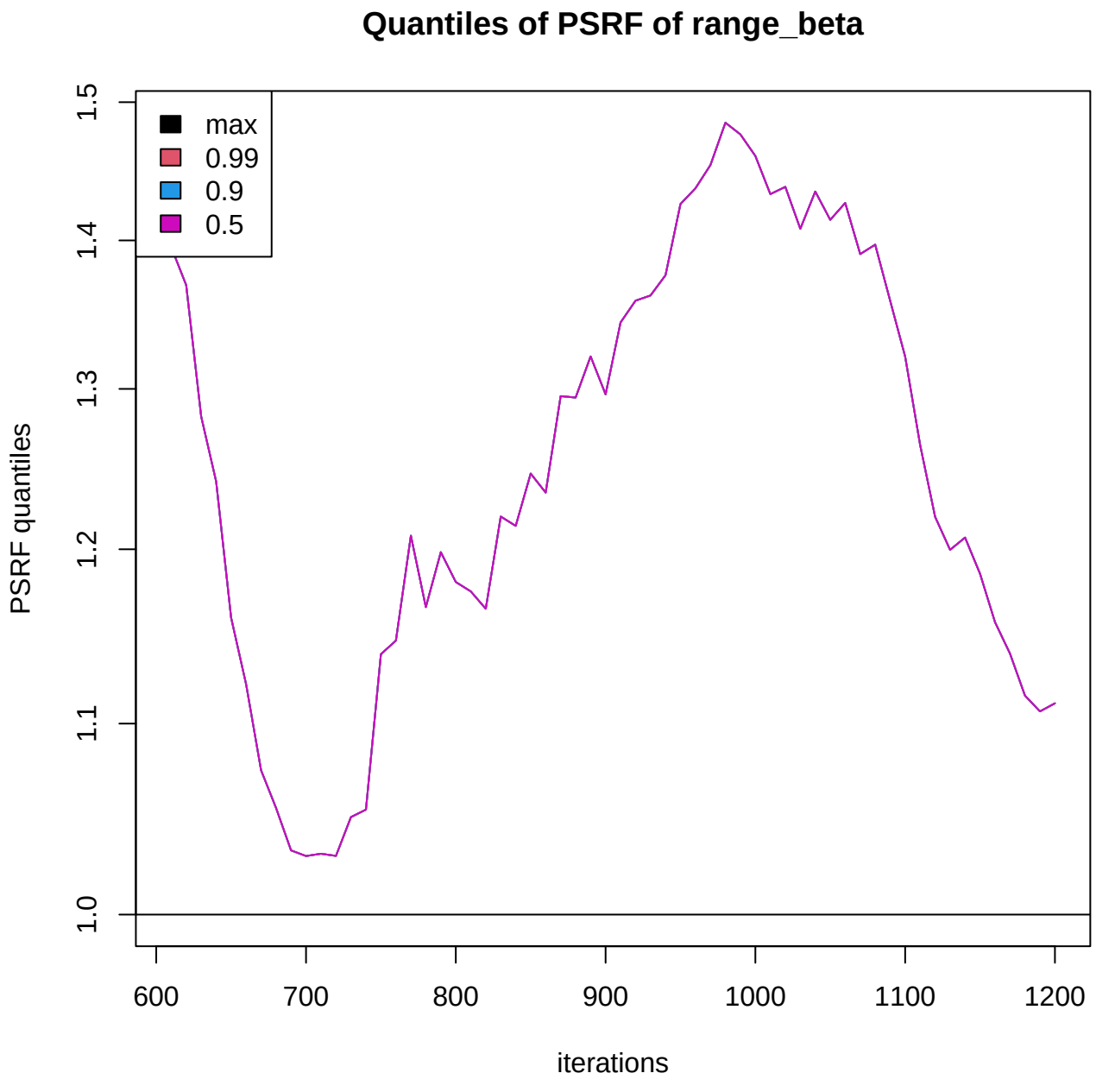
900
1000
1100
iterations

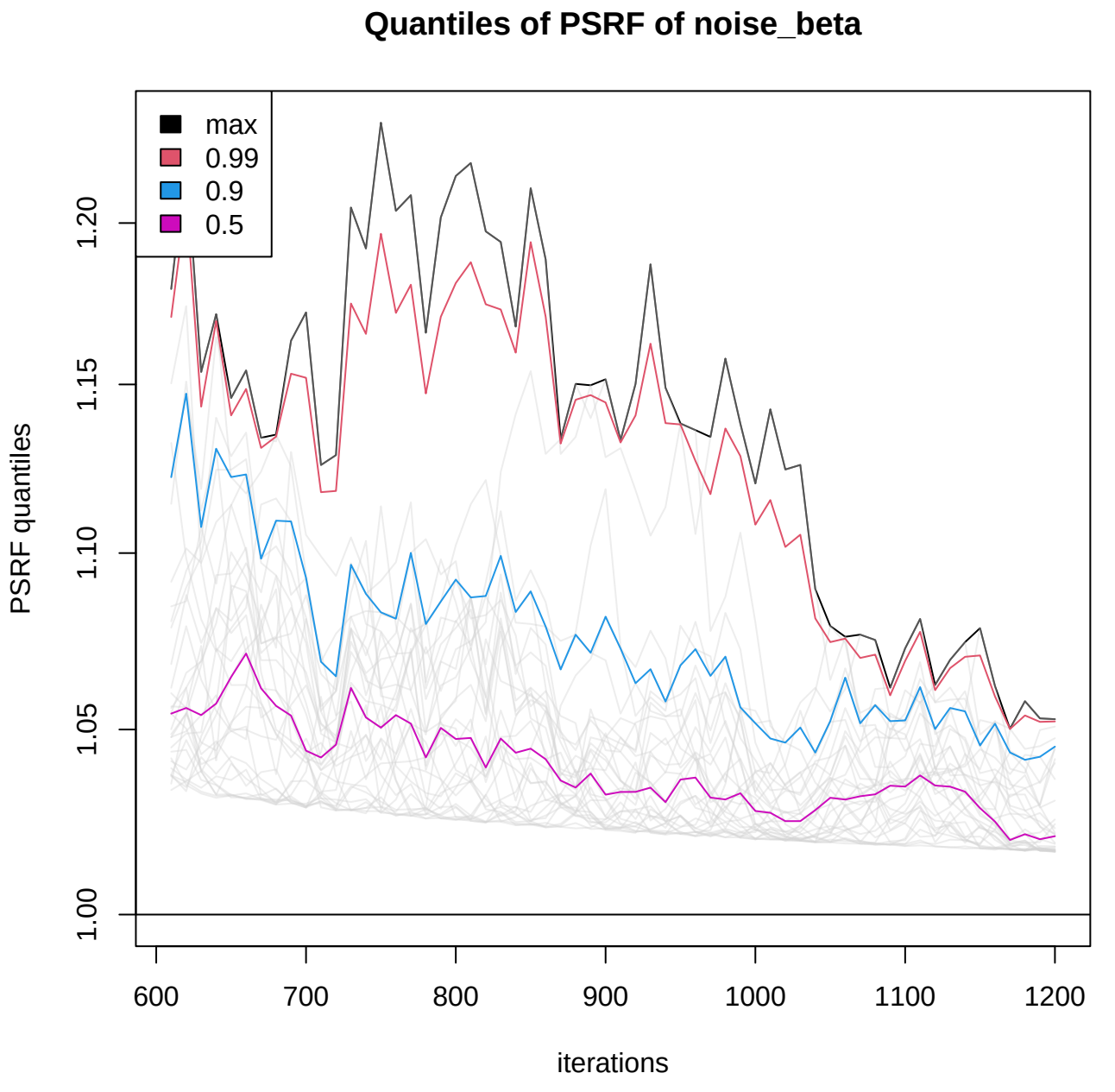

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
600
700
800
900
1000
1100
iteration

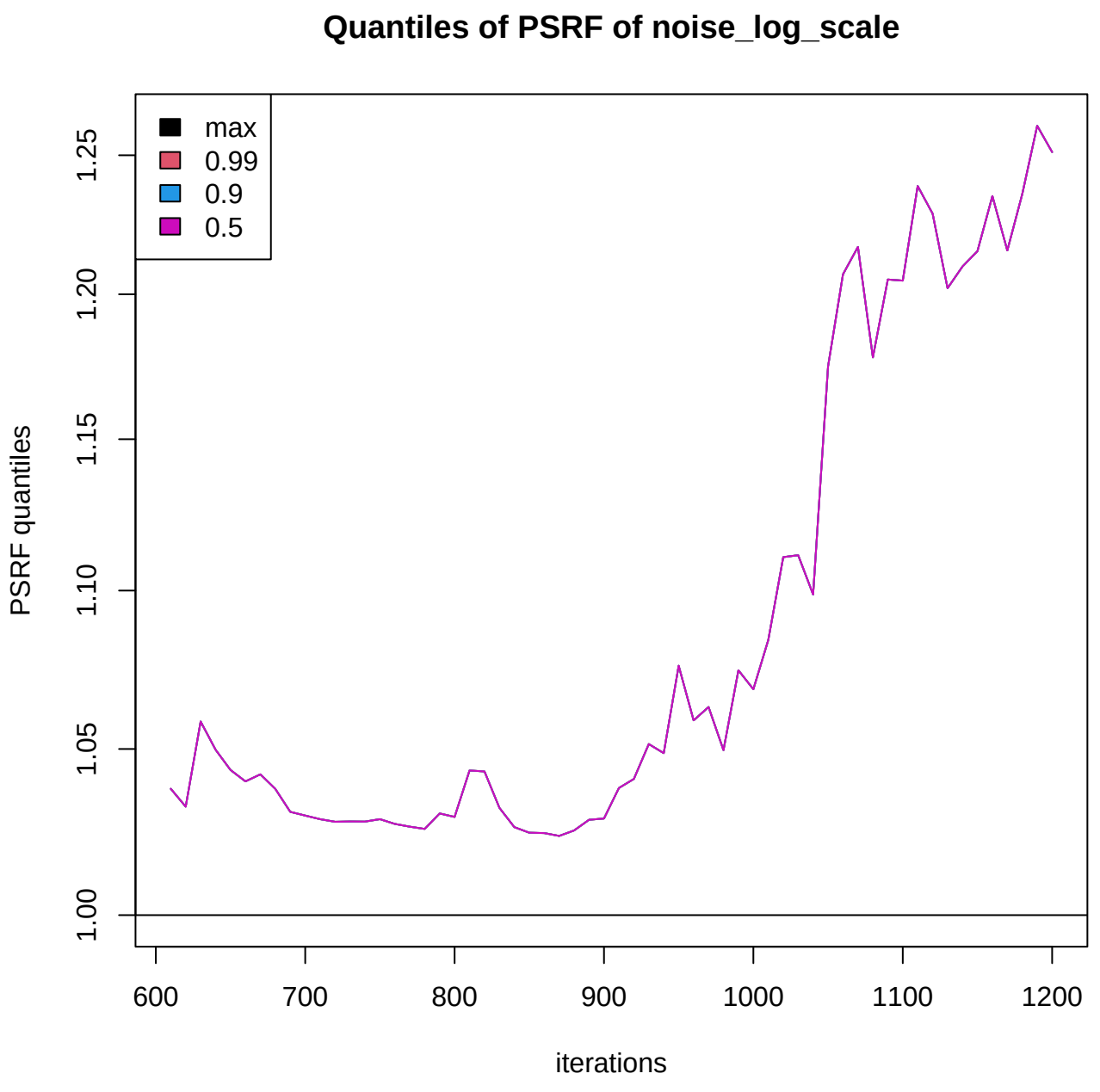

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
600
700
800
900
1000
1100
iteration

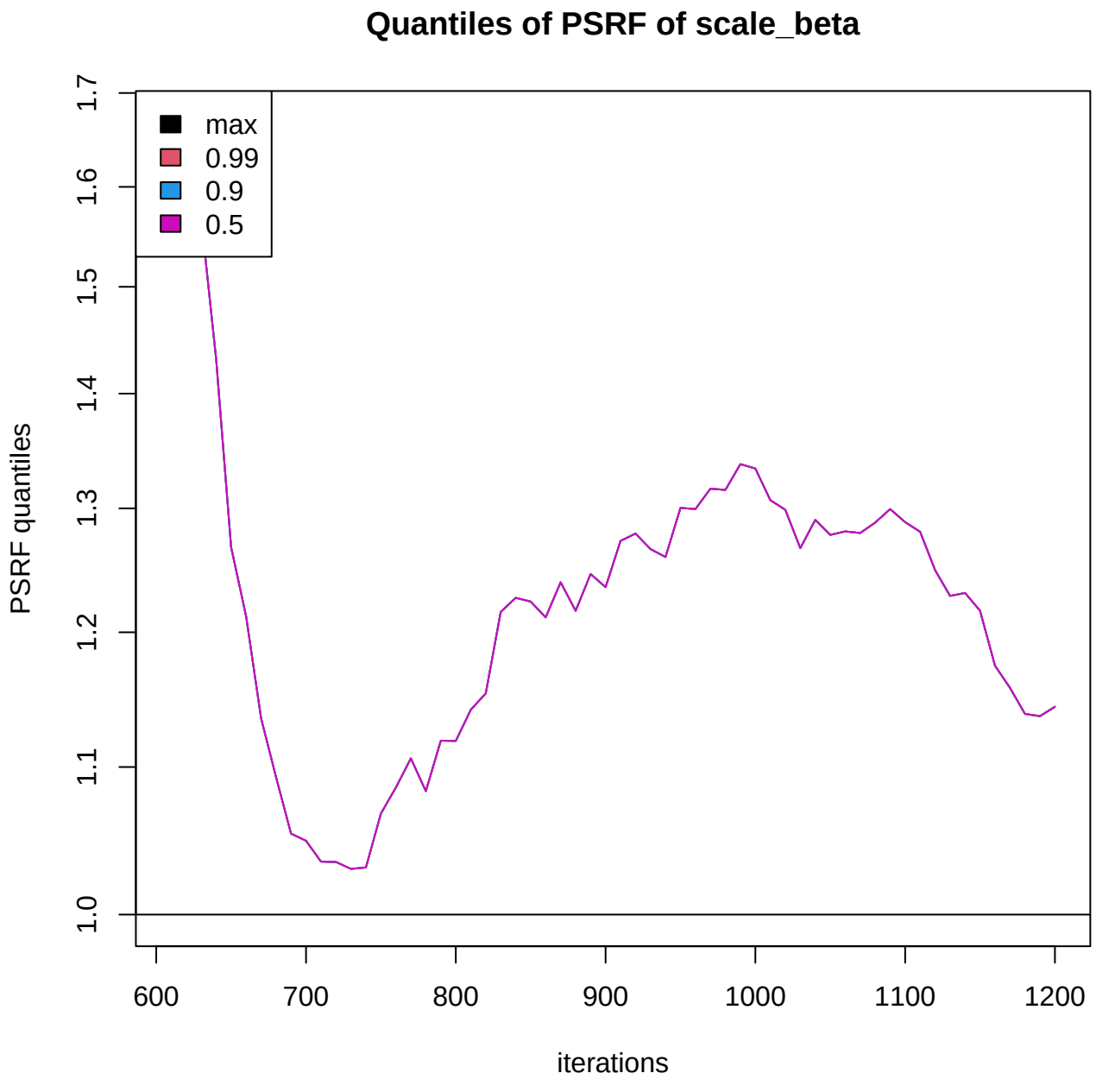

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
600
700
800
900
1000
1100
iteration

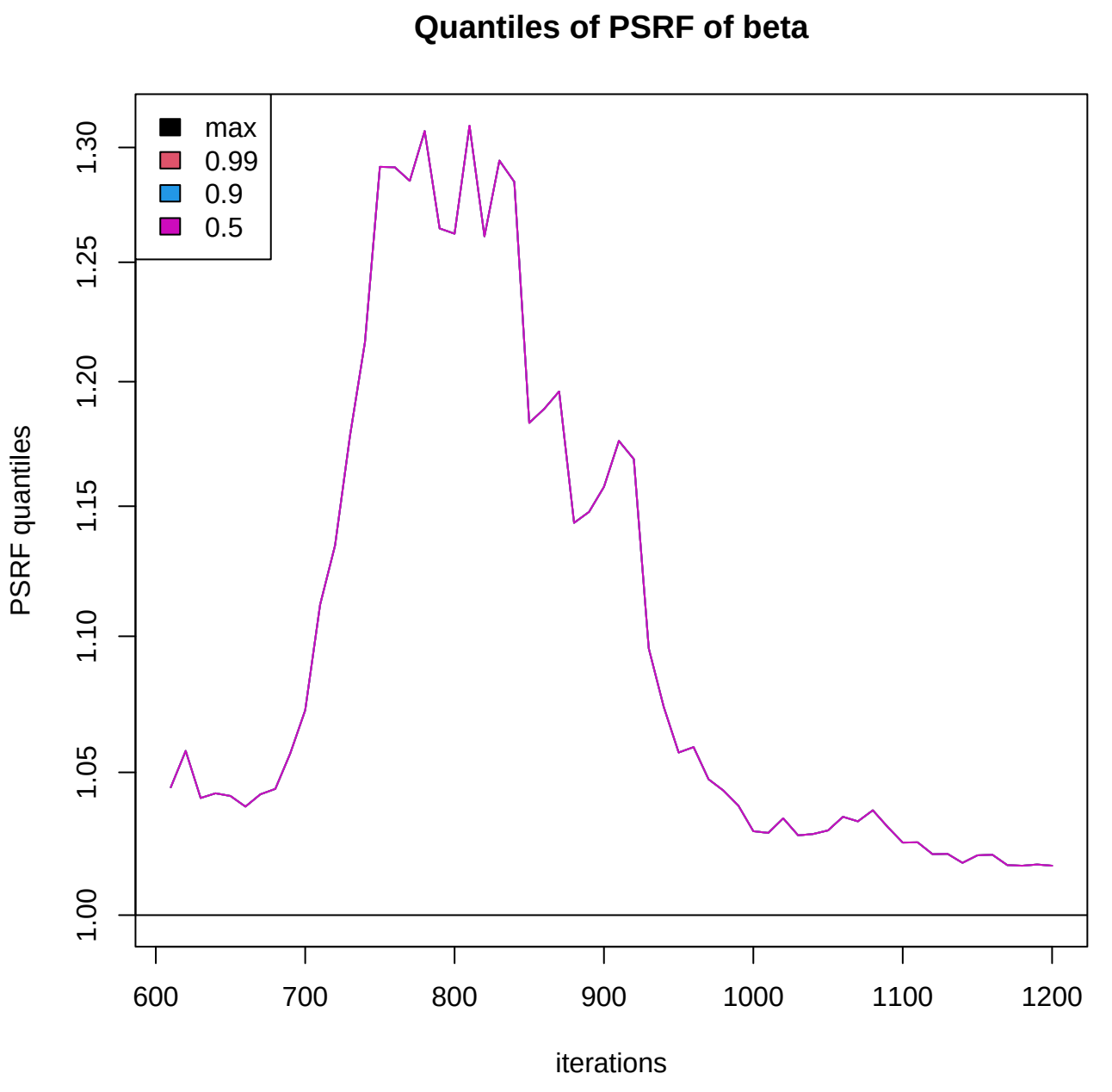

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
600
700
800
900
1000
1100
iteration

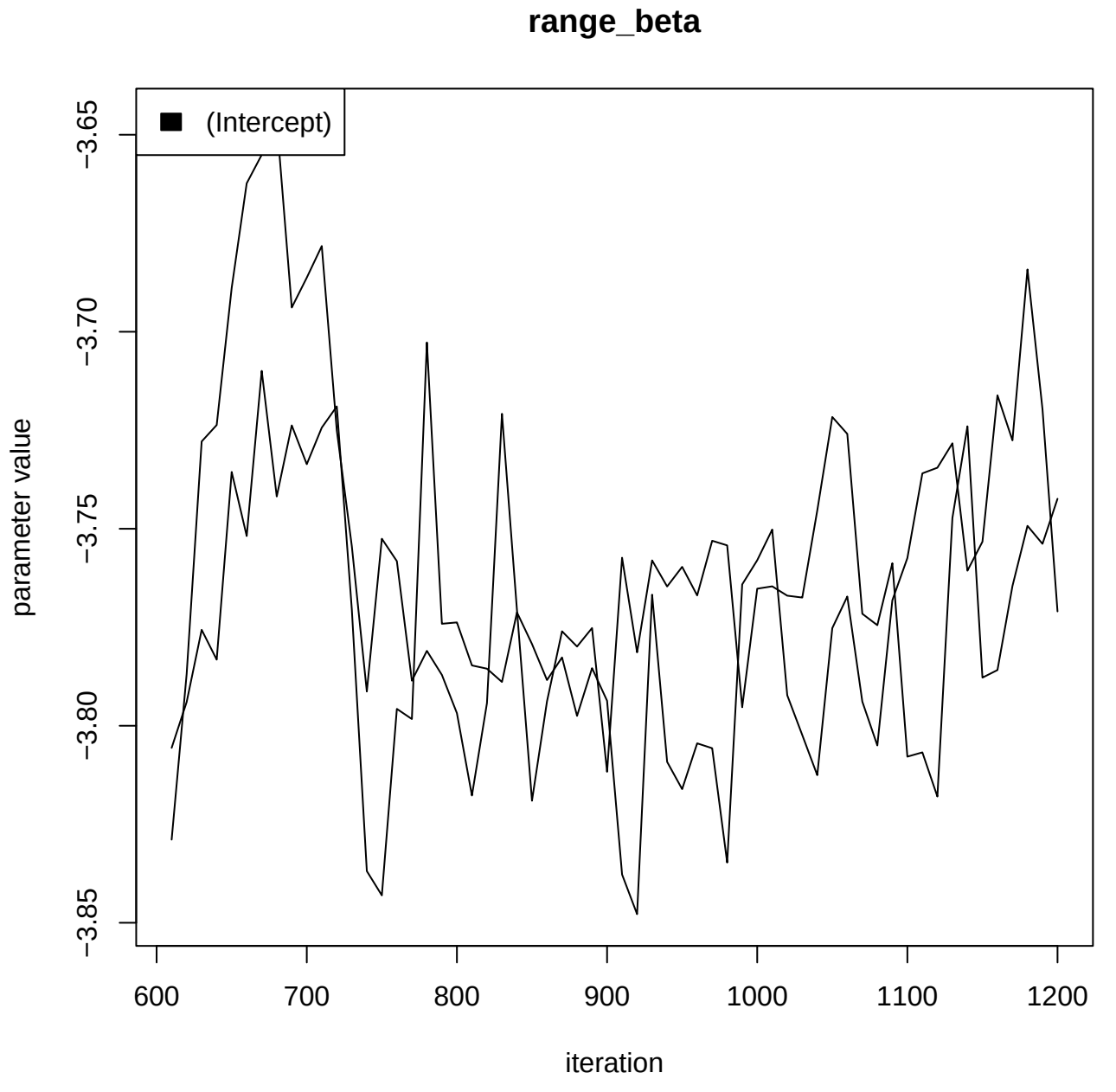

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
600
700
800
900
1000
1100
1200
iterations

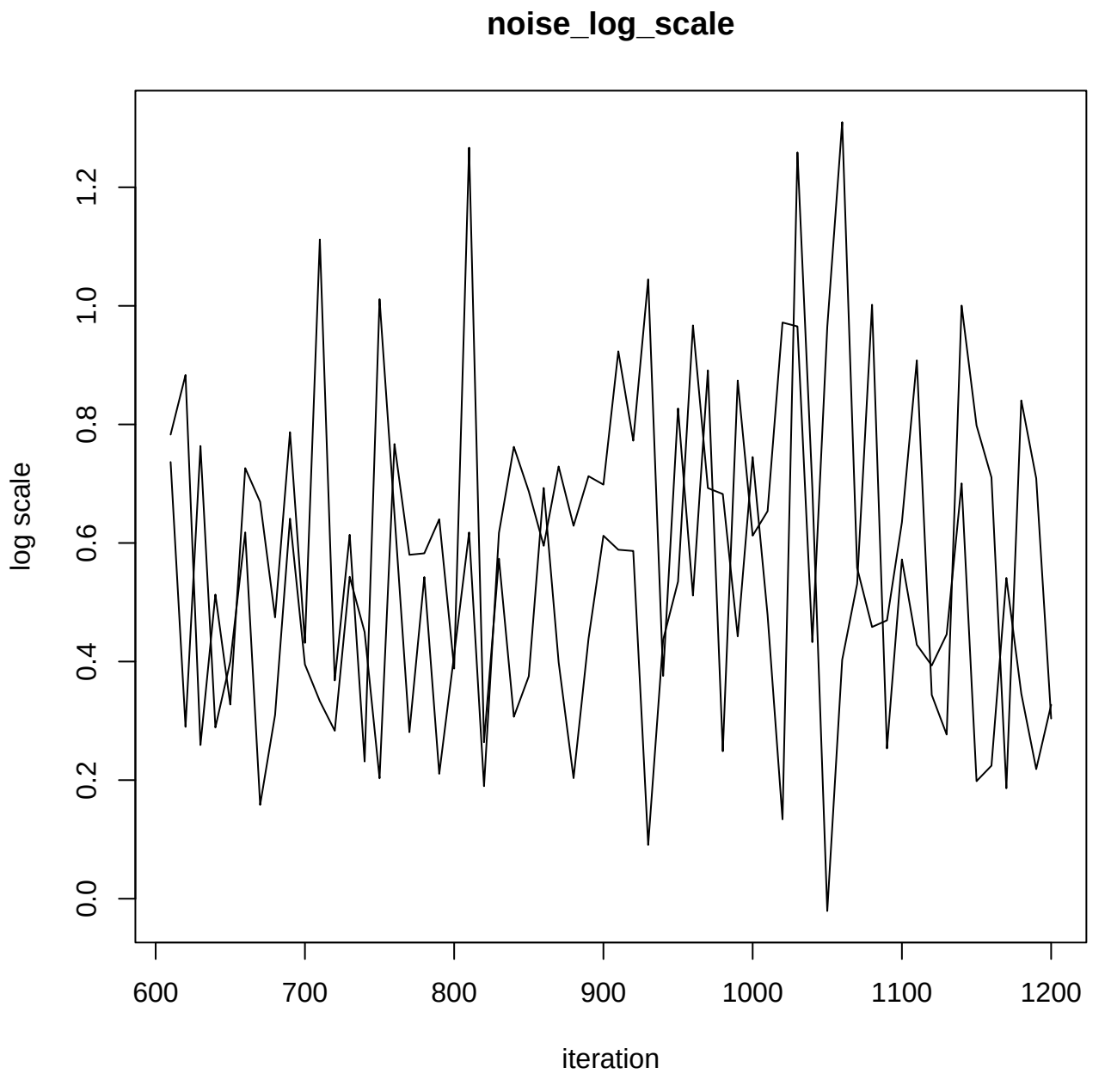

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
600
700
800
900
1000
1100
1200
iterations

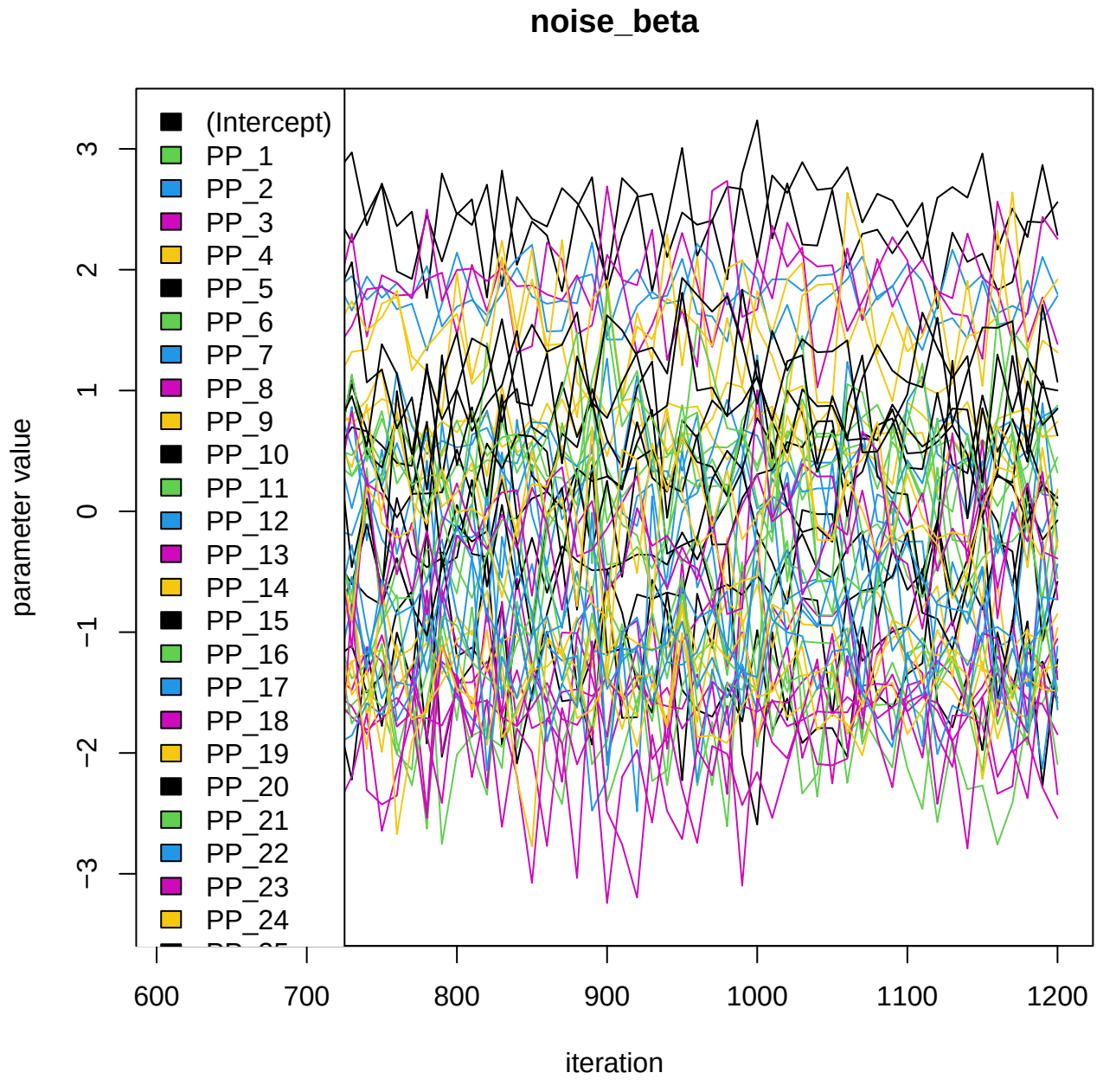

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
600
700
800
900
1000
1100
1200
iterations

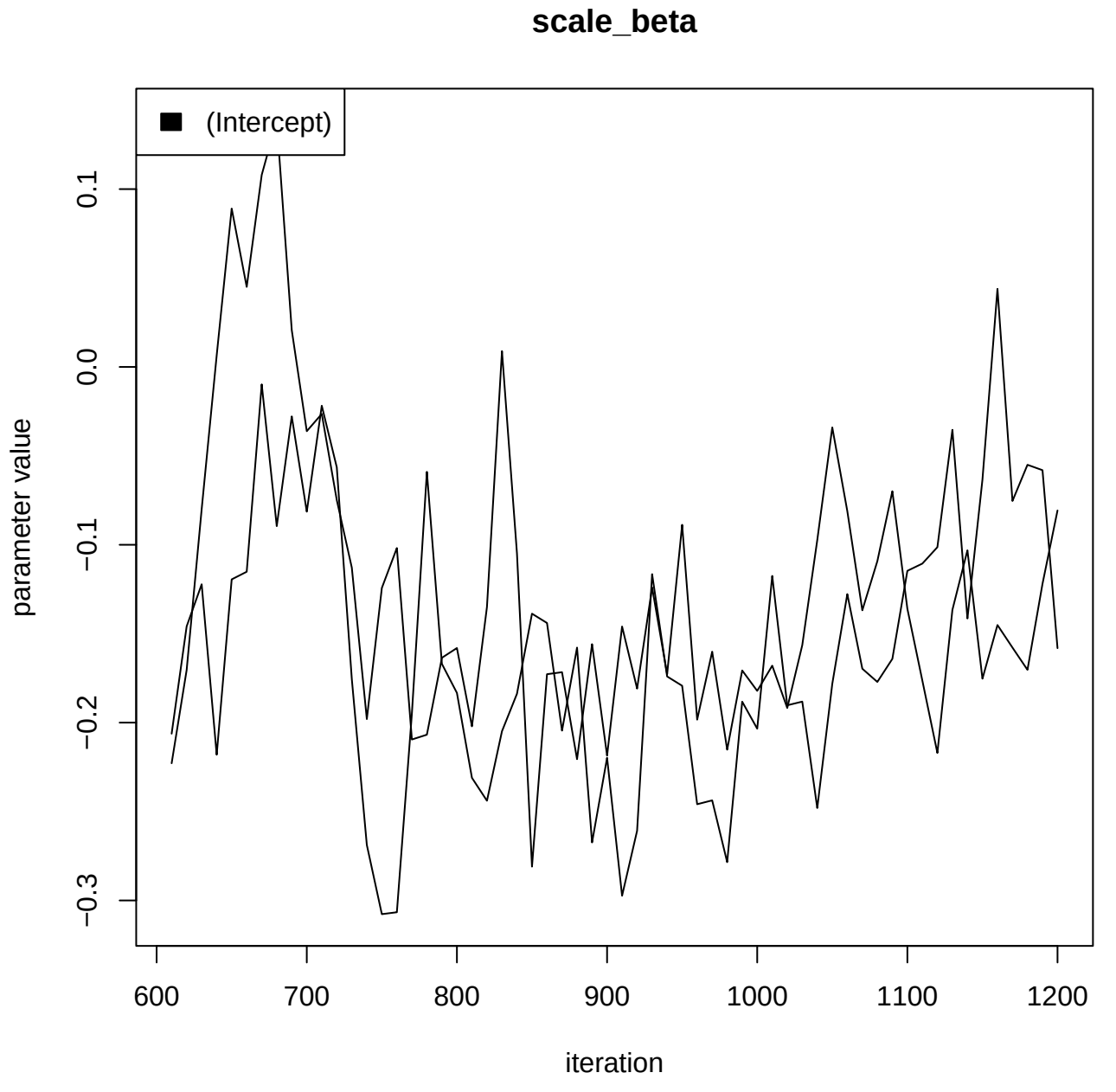

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
600
700
800
900
1000
1100
1200
iterations

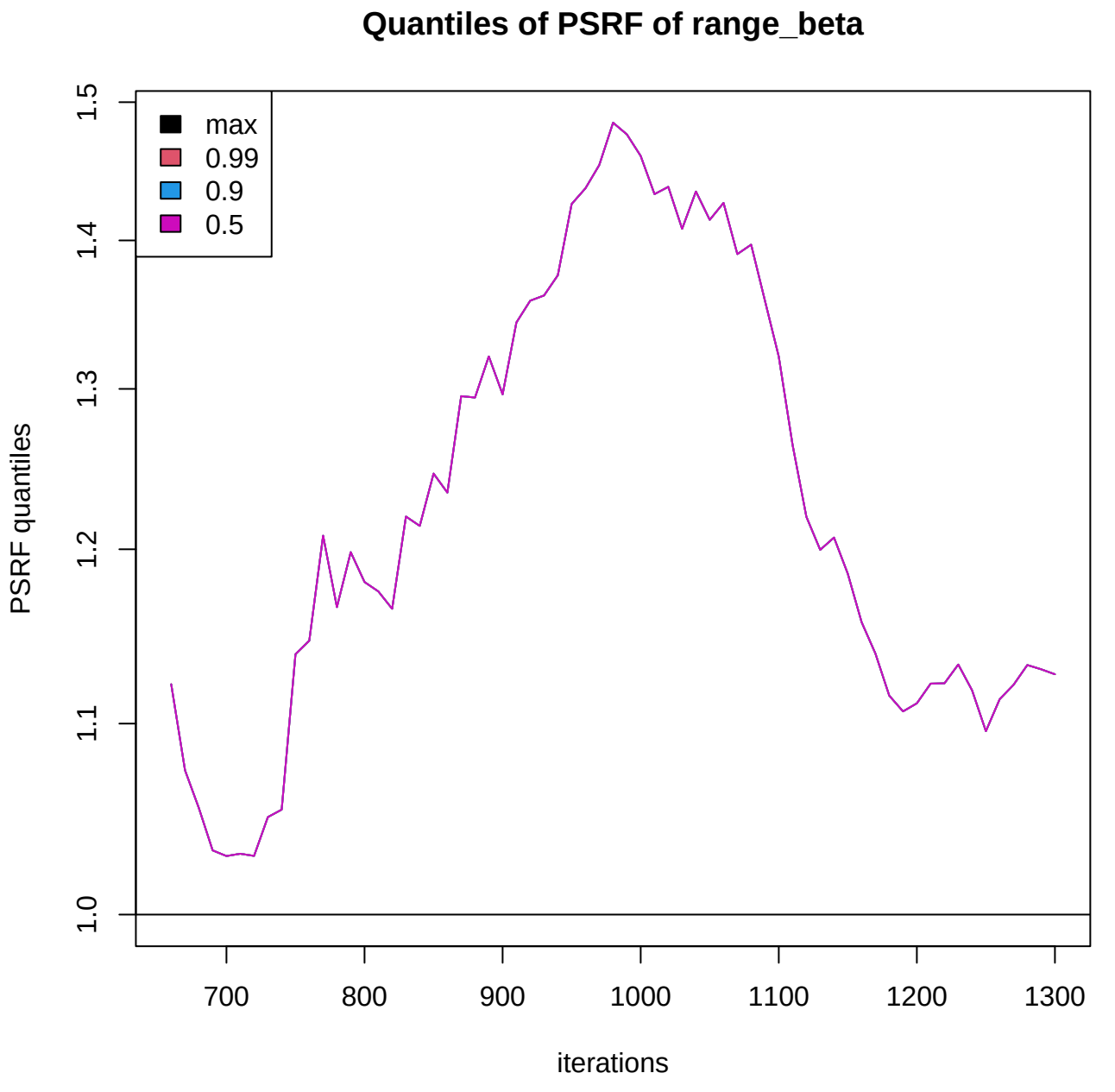

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
600
700
800
900
1000
1100
1200
iterations

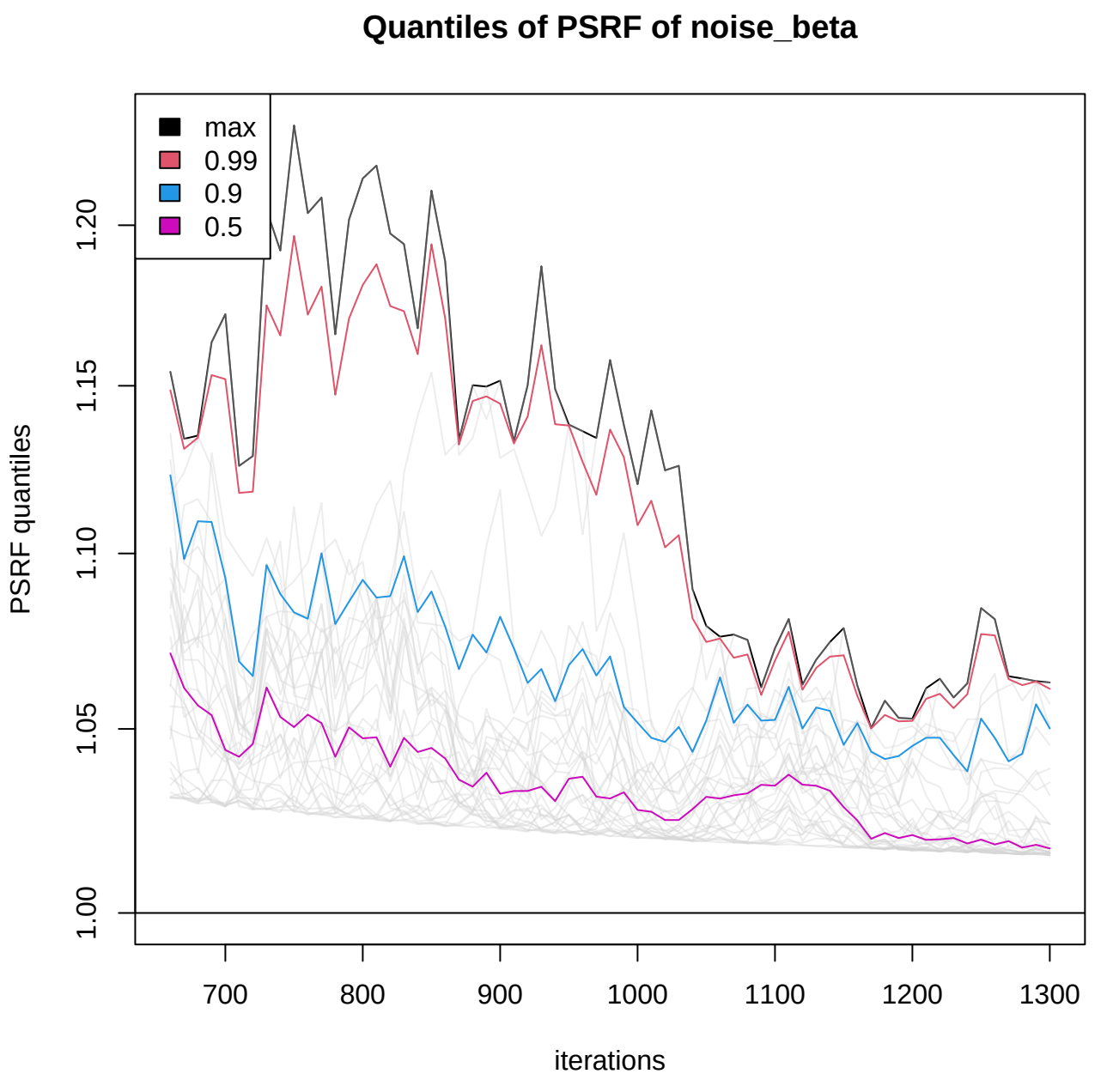

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
600
700
800
900
1000
1100
1200
iteration

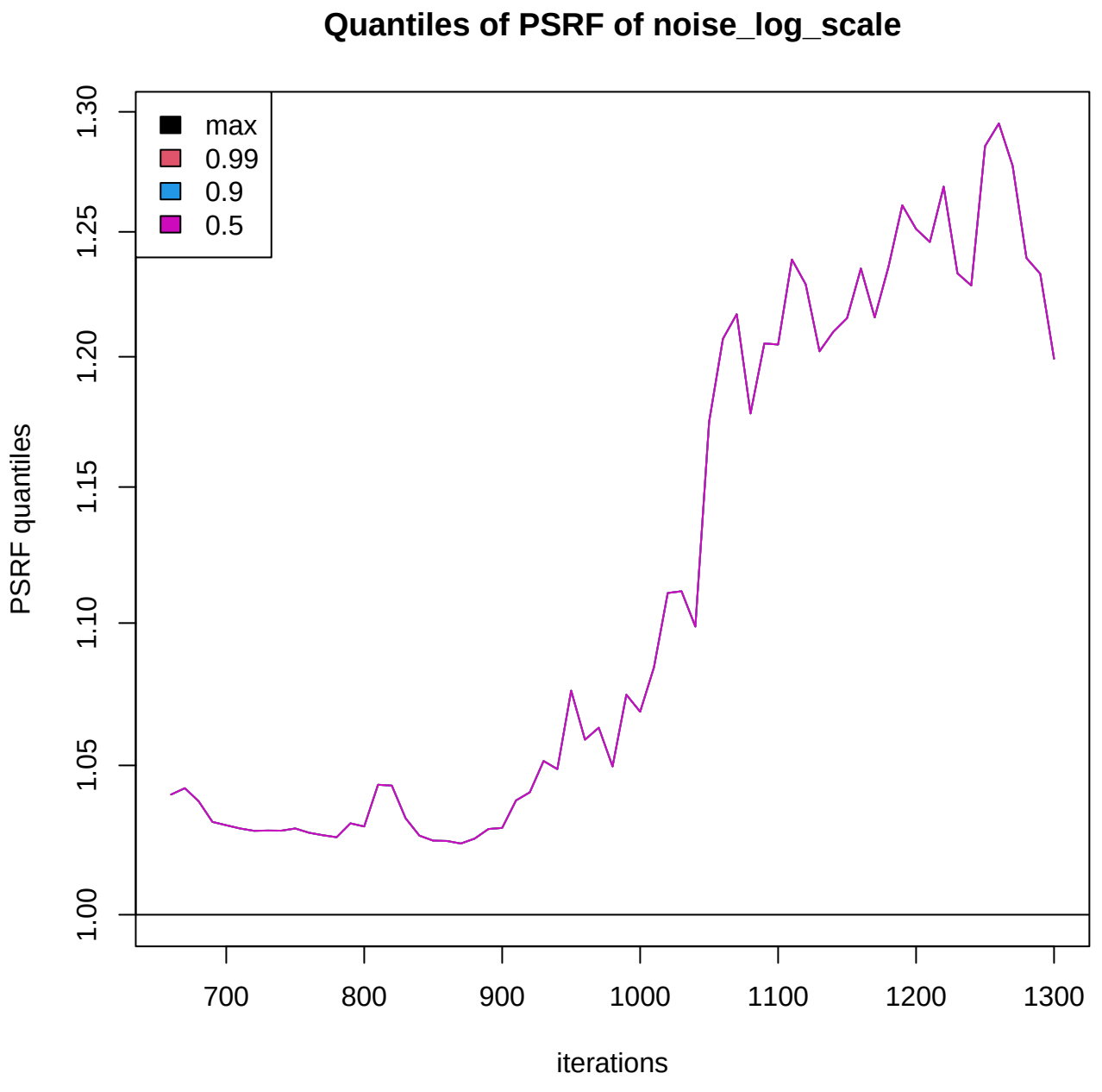

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
600
700
800
900
1000
1100
1200
iteration

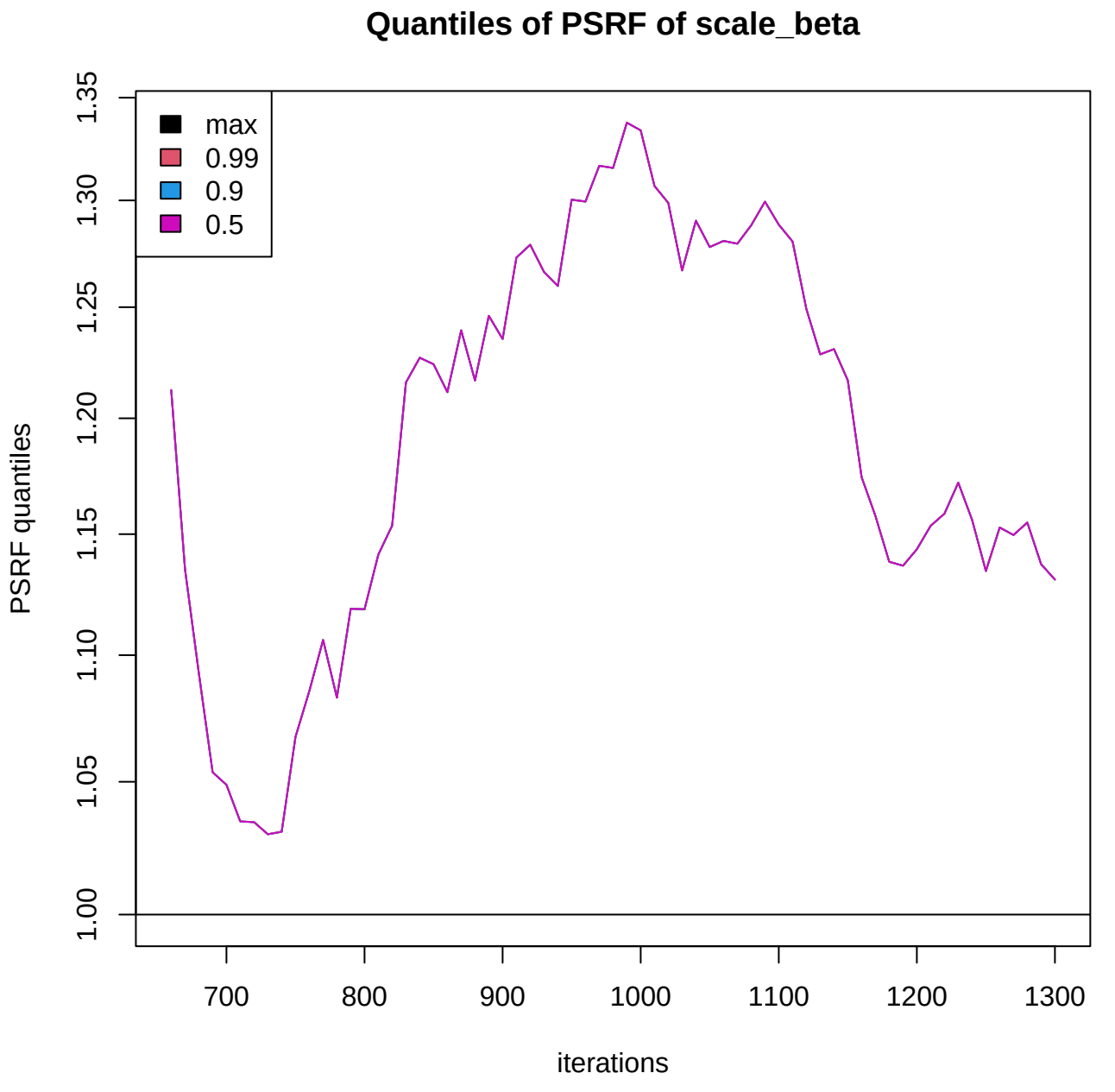

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
600
700
800
900
1000
1100
1200
iteration

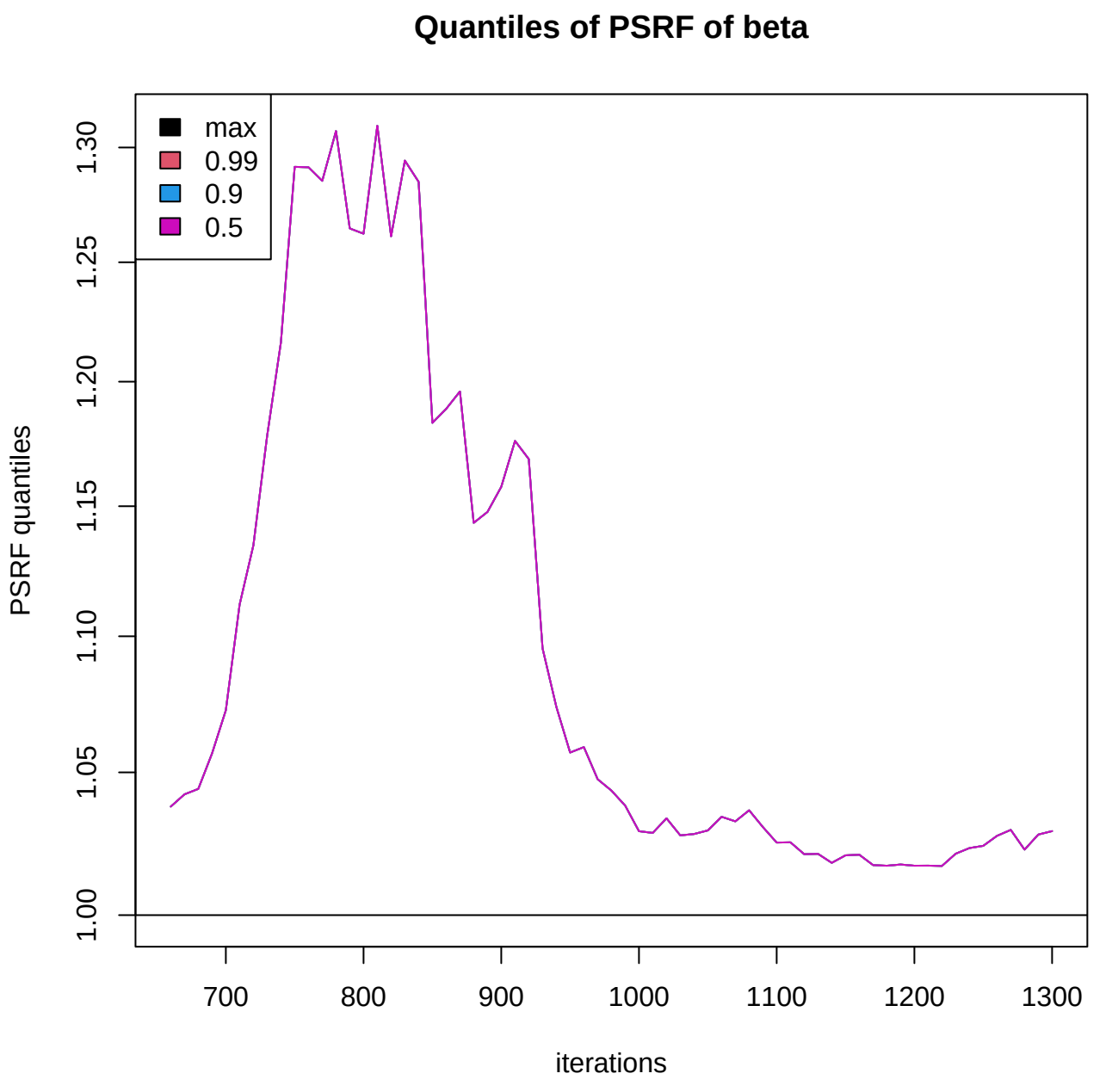

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
600
700
800
900
1000
1100
1200
iteration

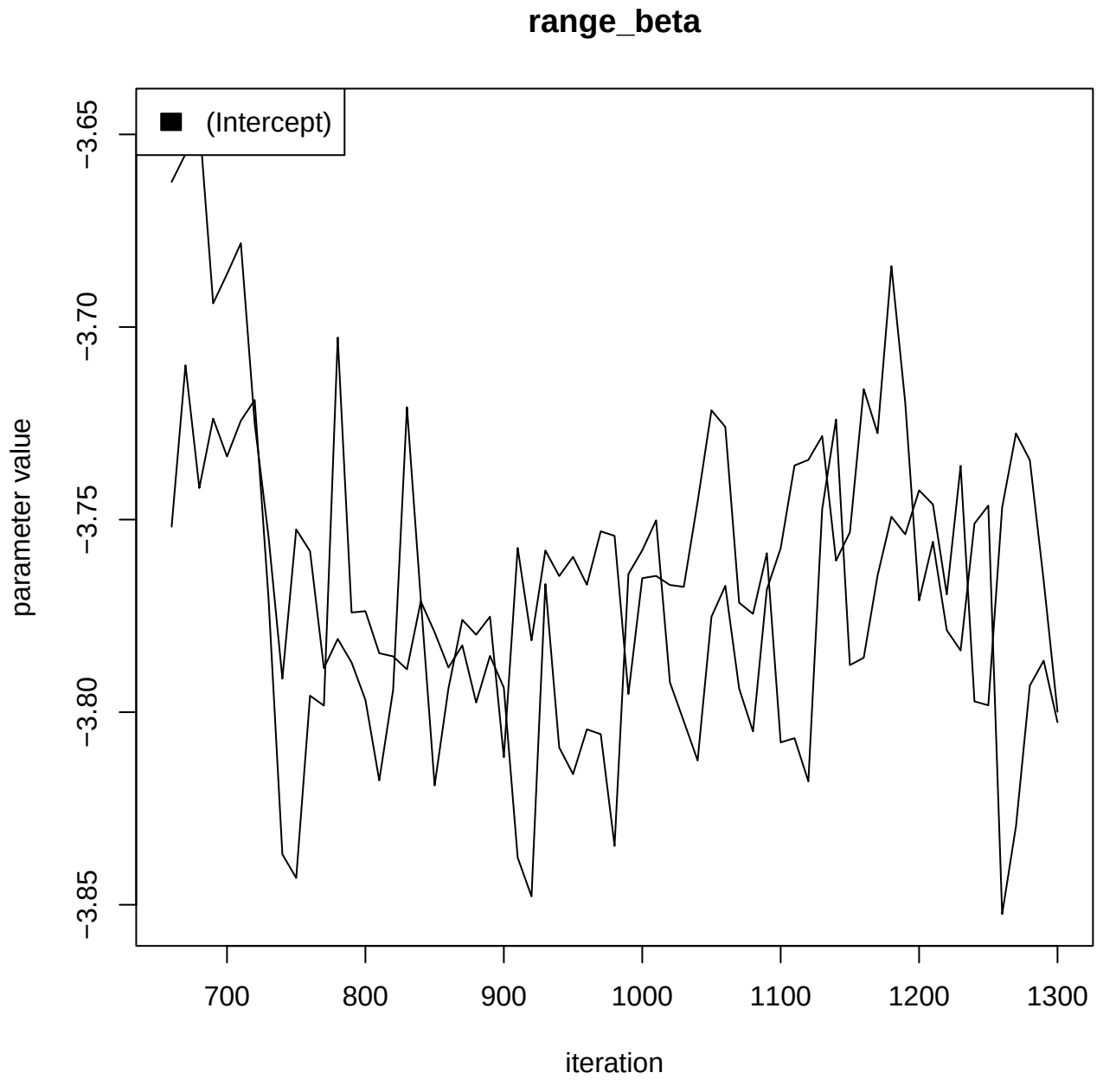

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
700
800
900
1000
1100
1200
1300
iterations

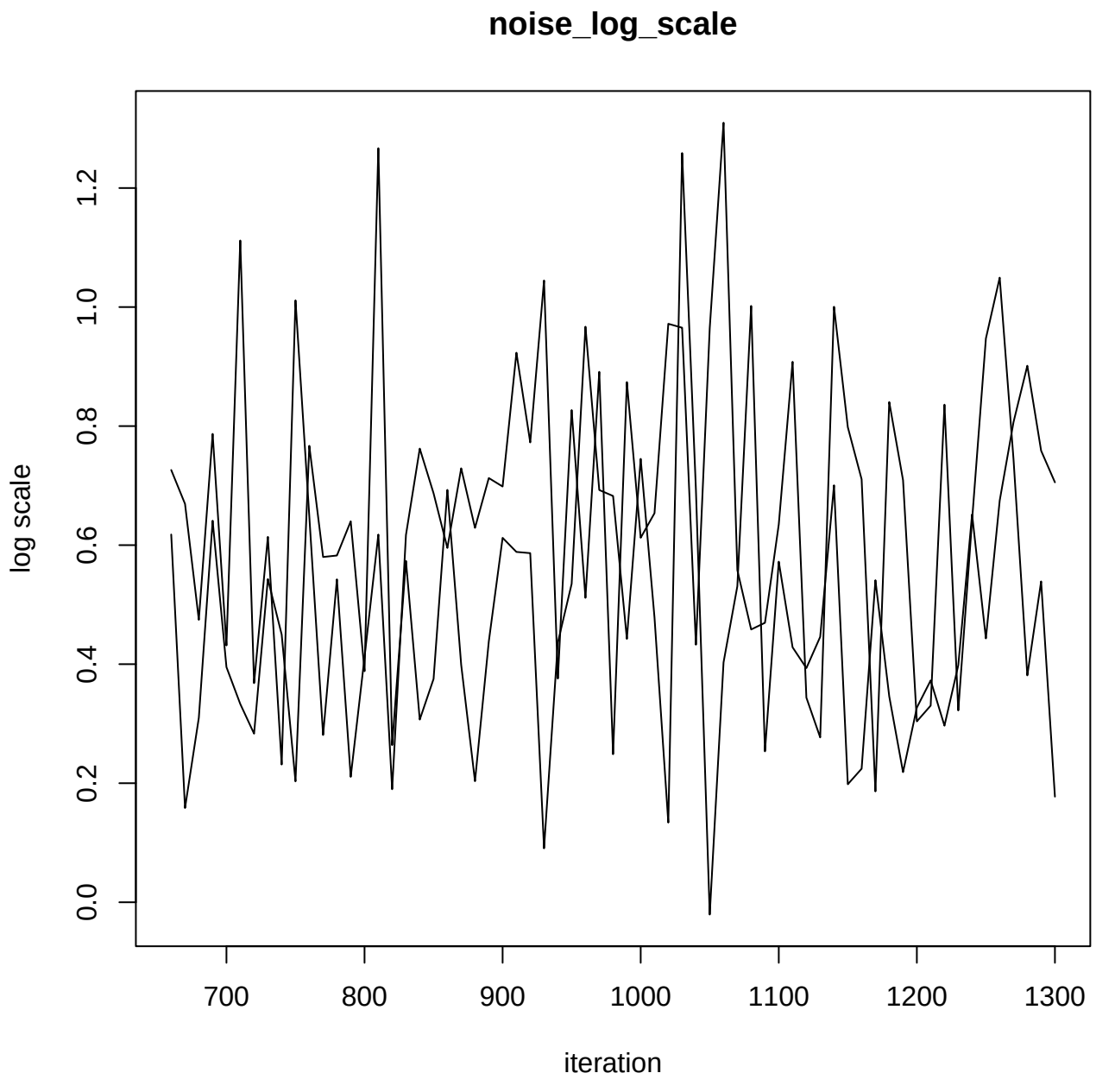

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
700
800
900
1000
1100
1200
1300
iterations

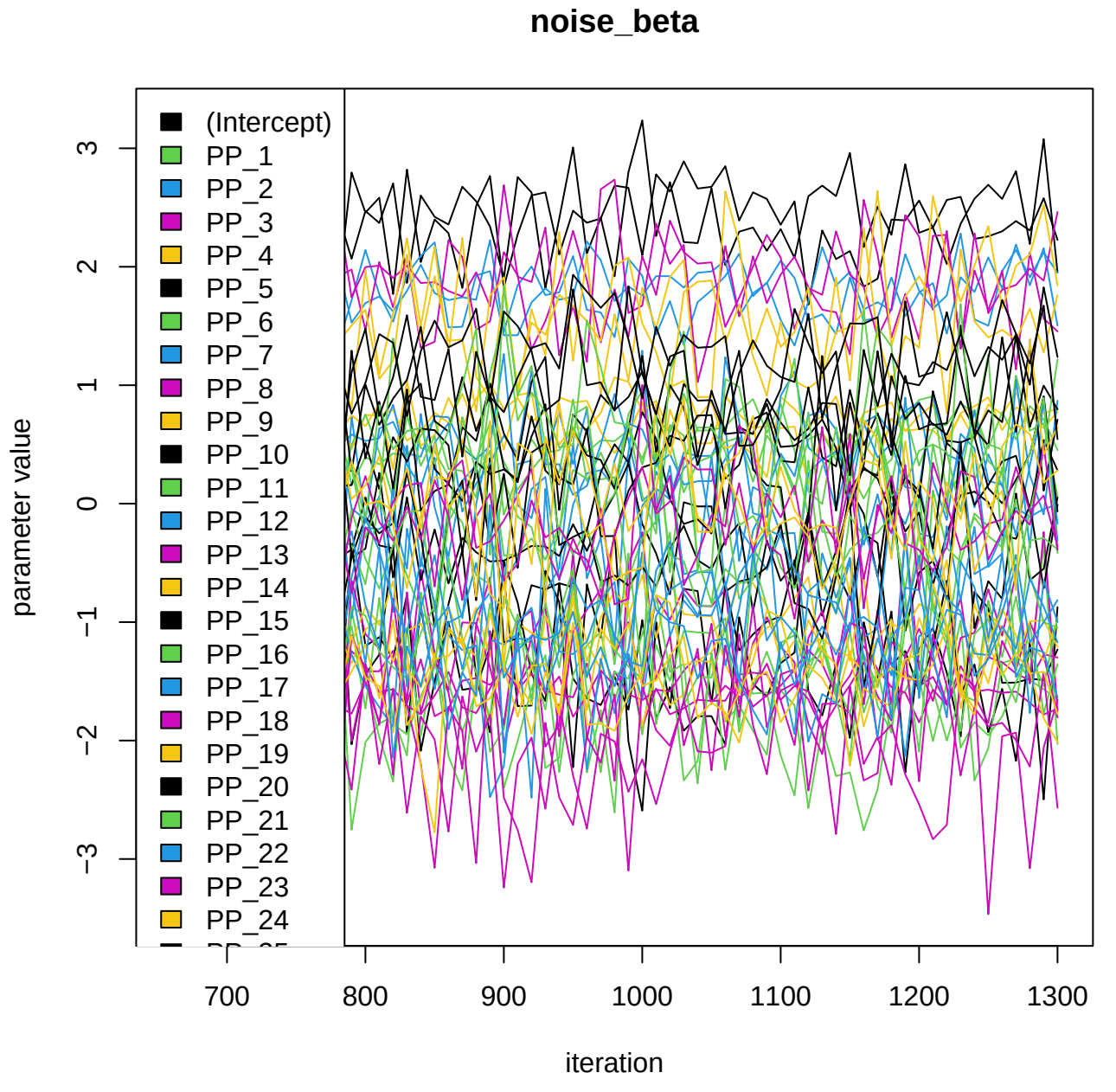

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
700
800
900
1000
1100
1200
1300
iterations

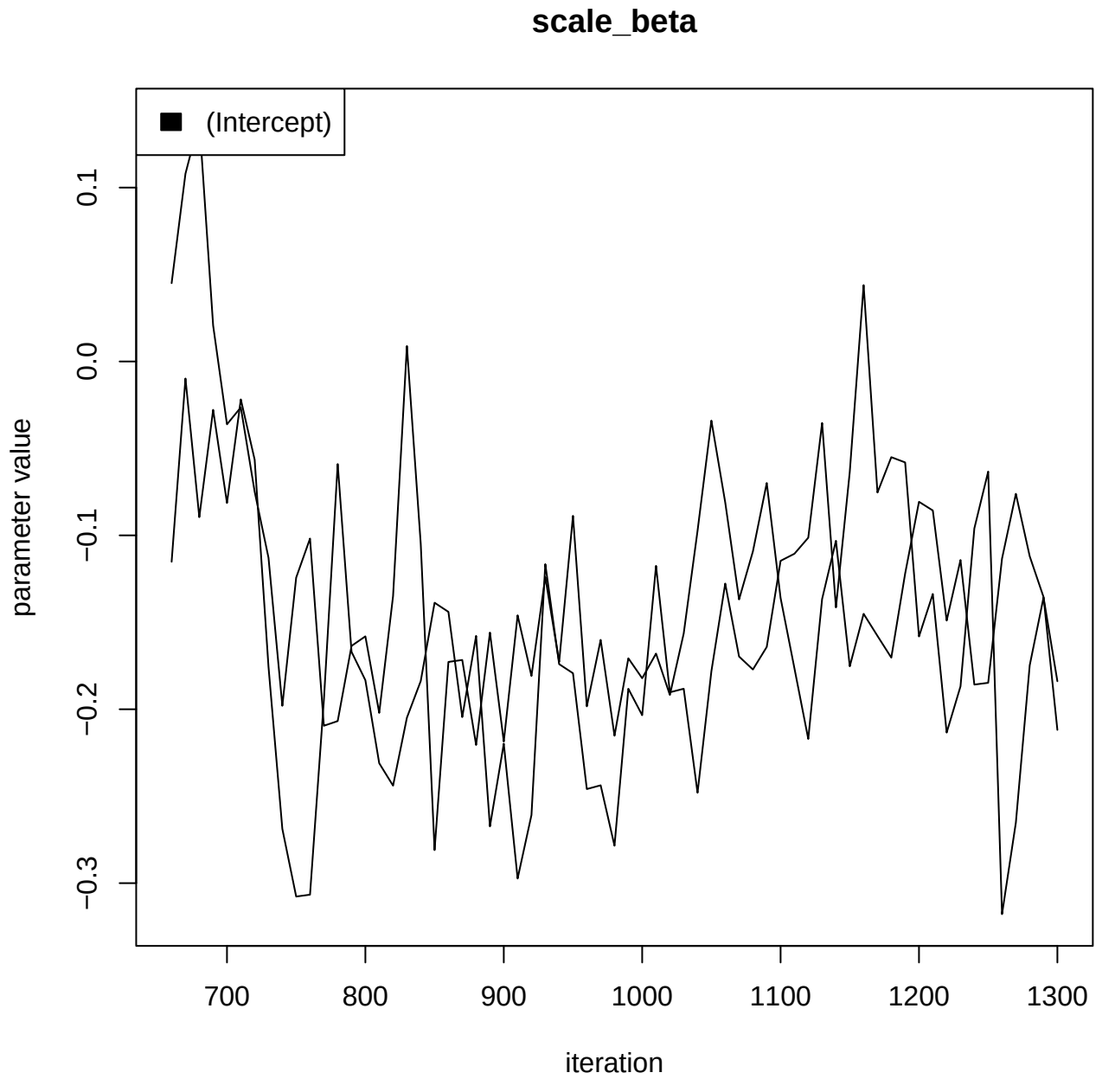

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35
700
800
900
1000
1100
1200
1300
iterations

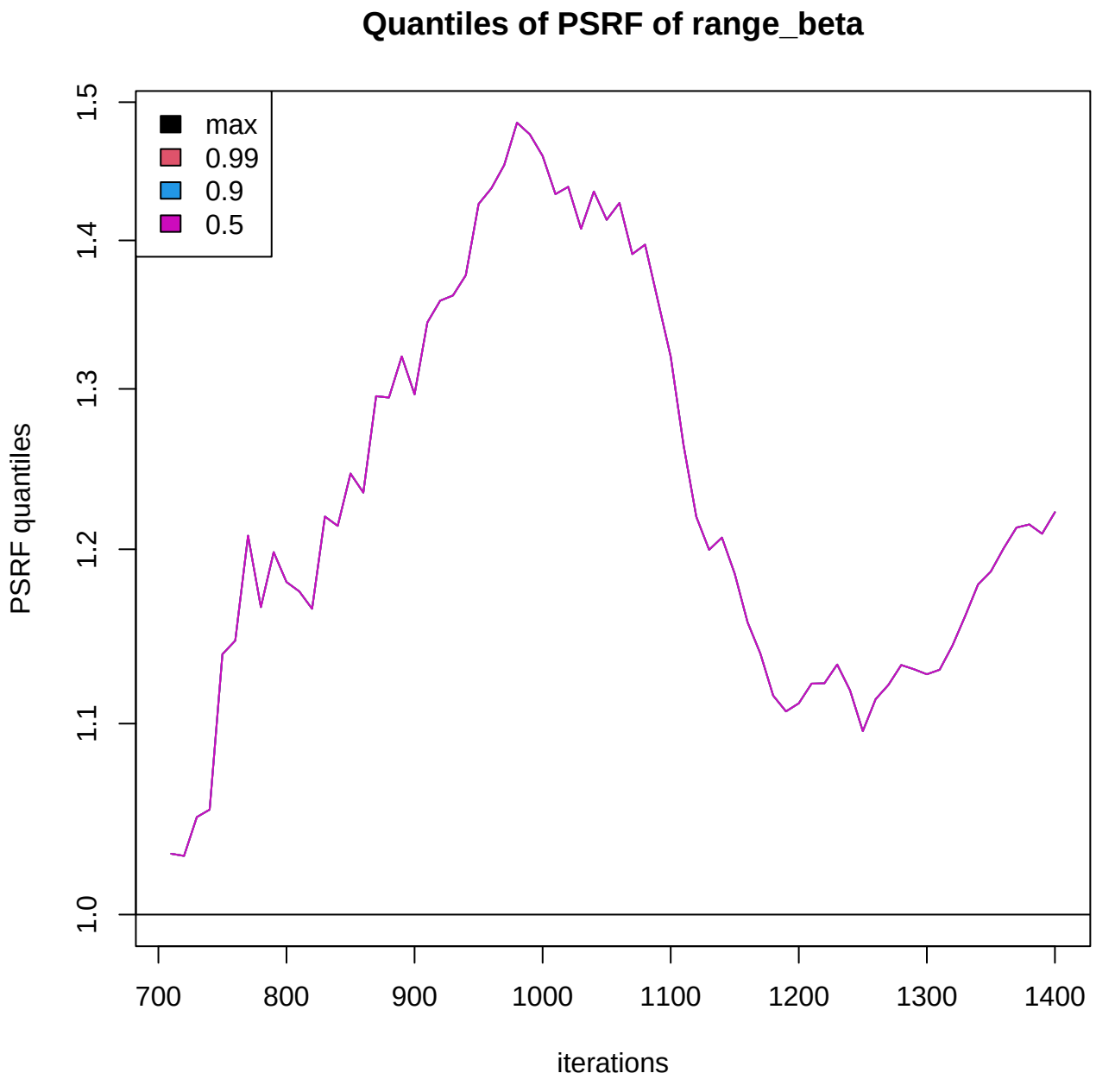

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
700
800
900
1000
1100
1200
1300
iterations

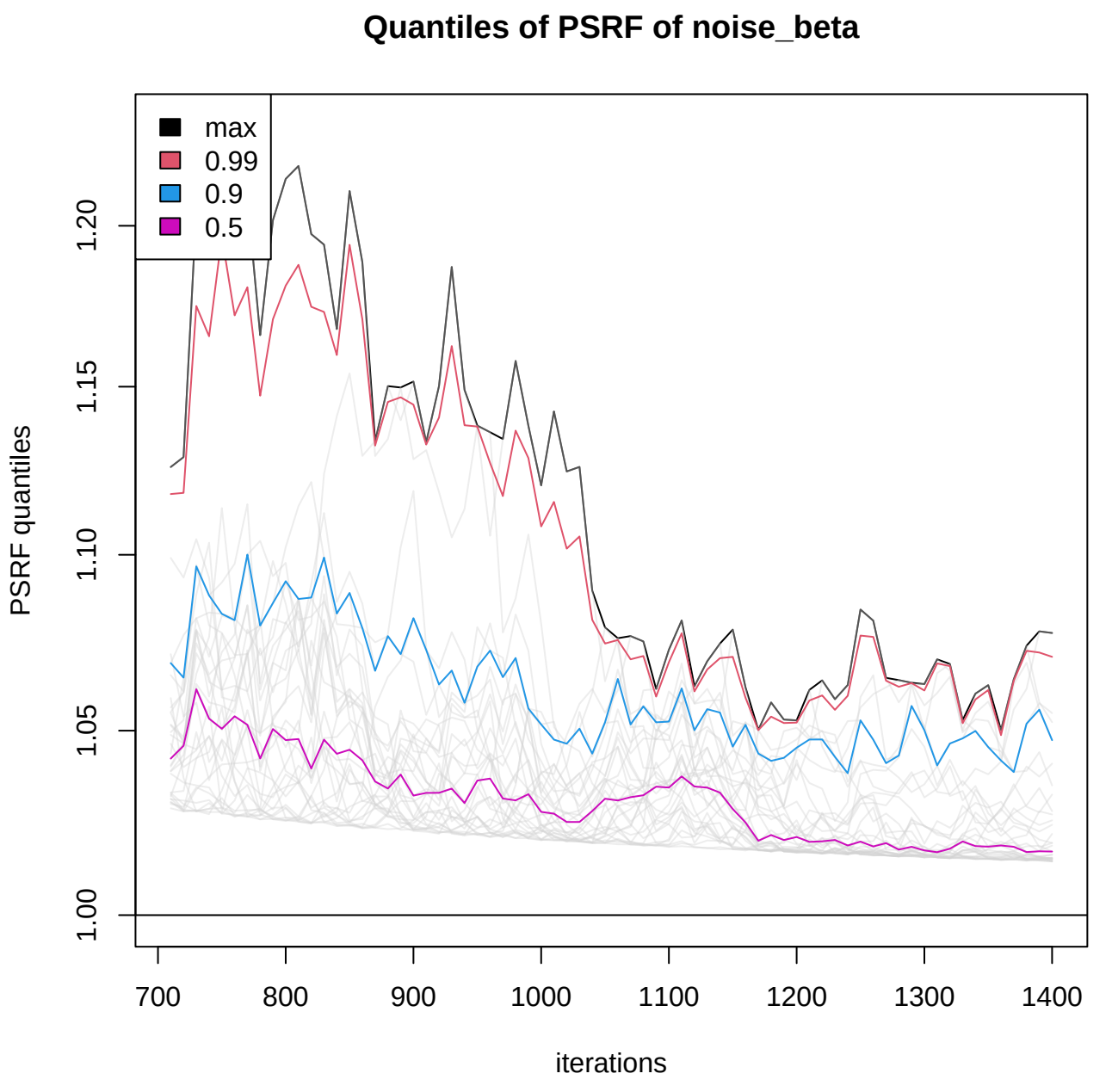

range_beta
(Intercept)
parameter value
−3.65
−3.70
−3.75
−3.80
−3.85
700
800
900
1000
1100
1200
1300
iteration

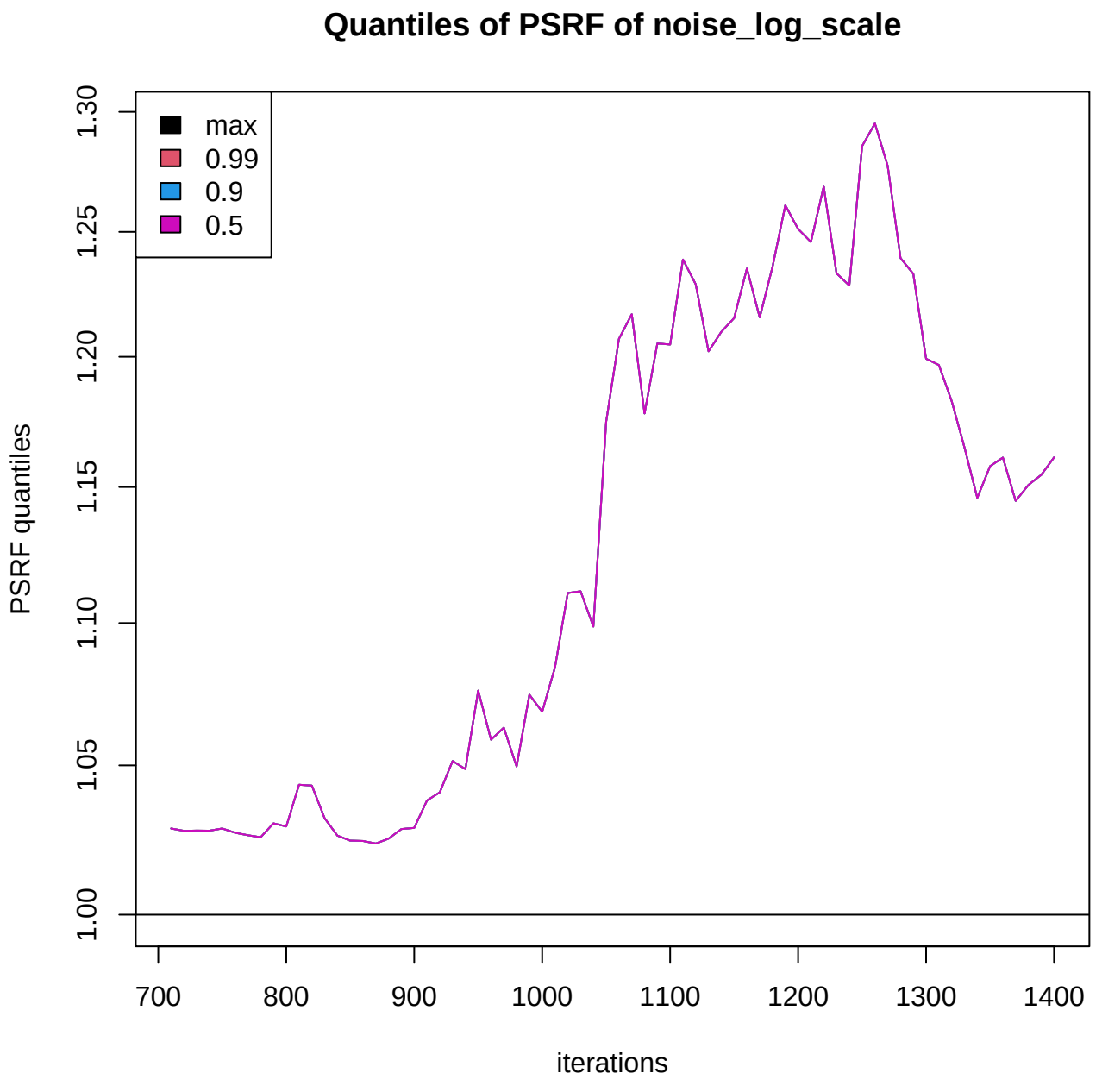

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
700
800
900
1000
1100
1200
1300
iteration

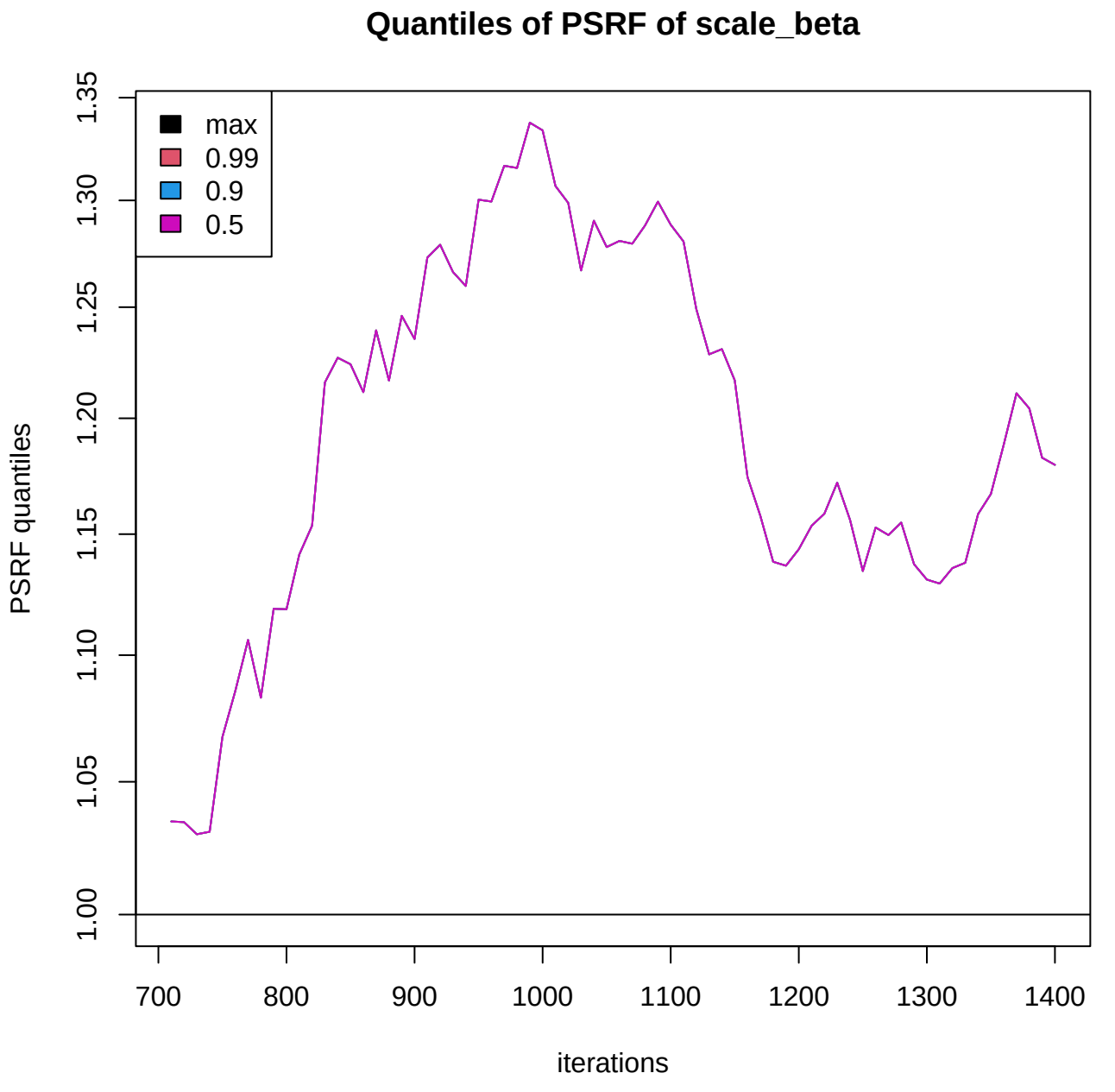

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
700
800
900
1000
1100
1200
1300
iteration

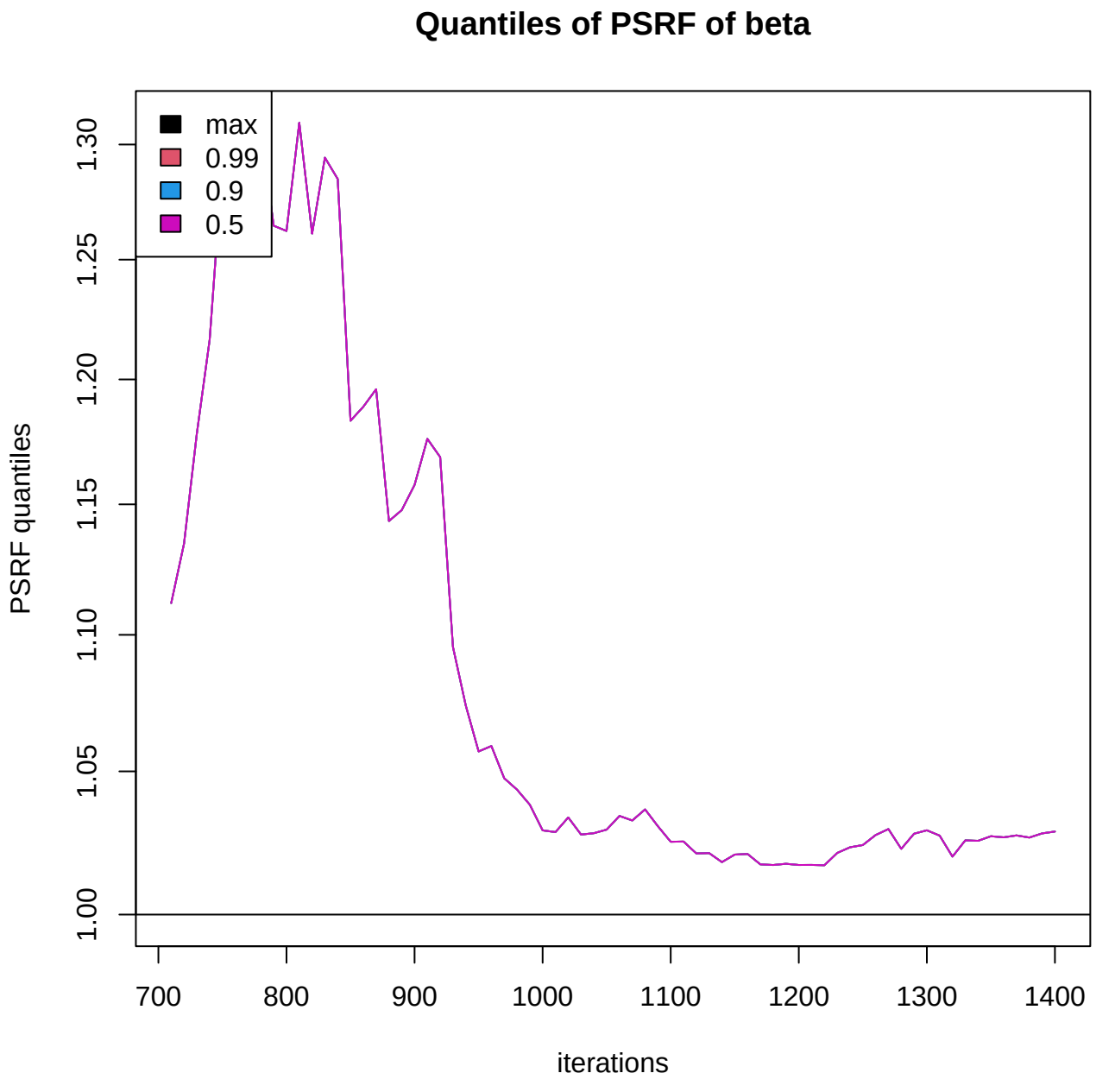

scale_beta
(Intercept)
parameter value
0.1
0.0
−0.1
−0.2
−0.3
700
800
900
1000
1100
1200
1300
iteration

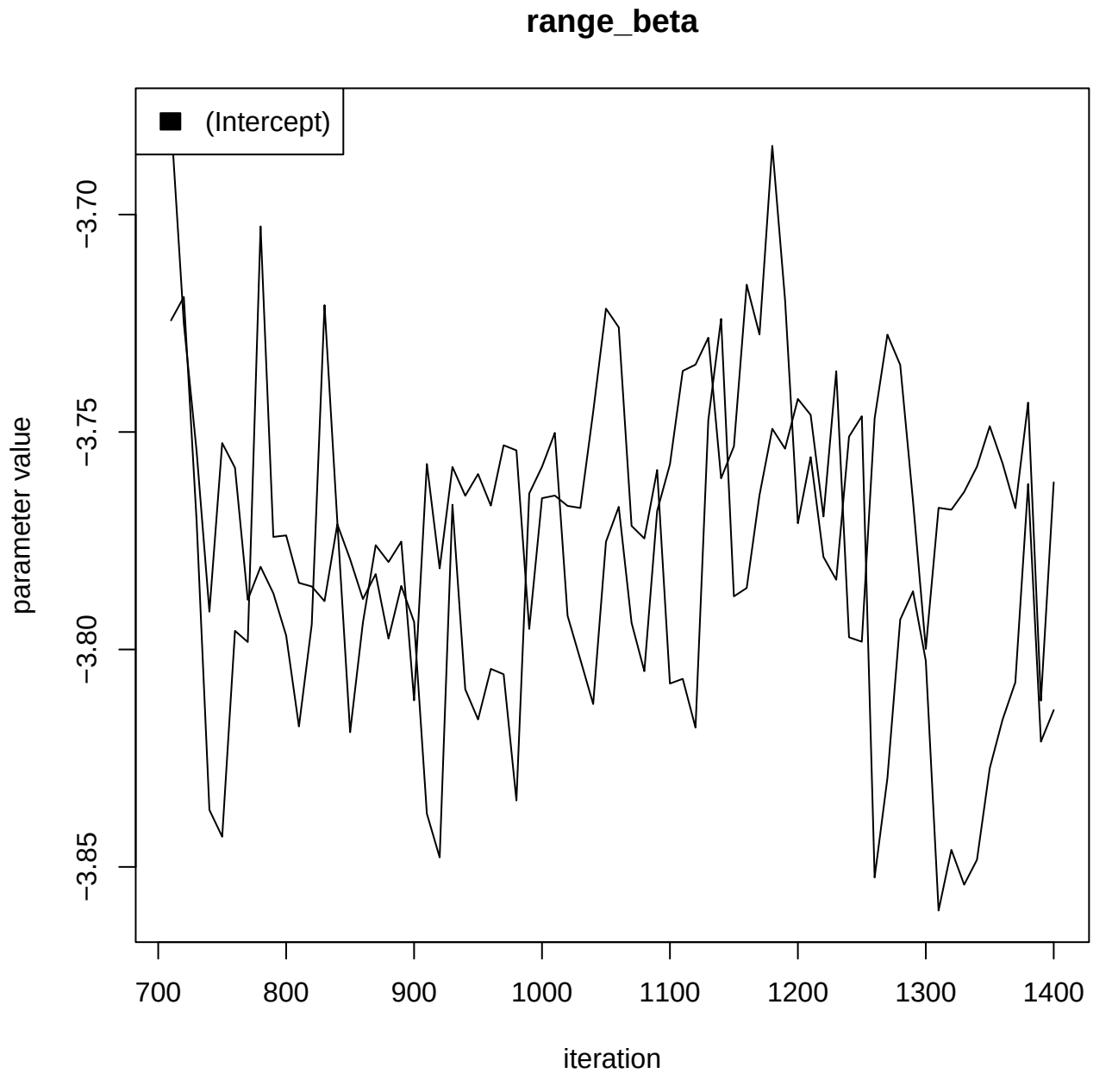

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
700
800
900
1000
1100
1200
1300
1400
iterations

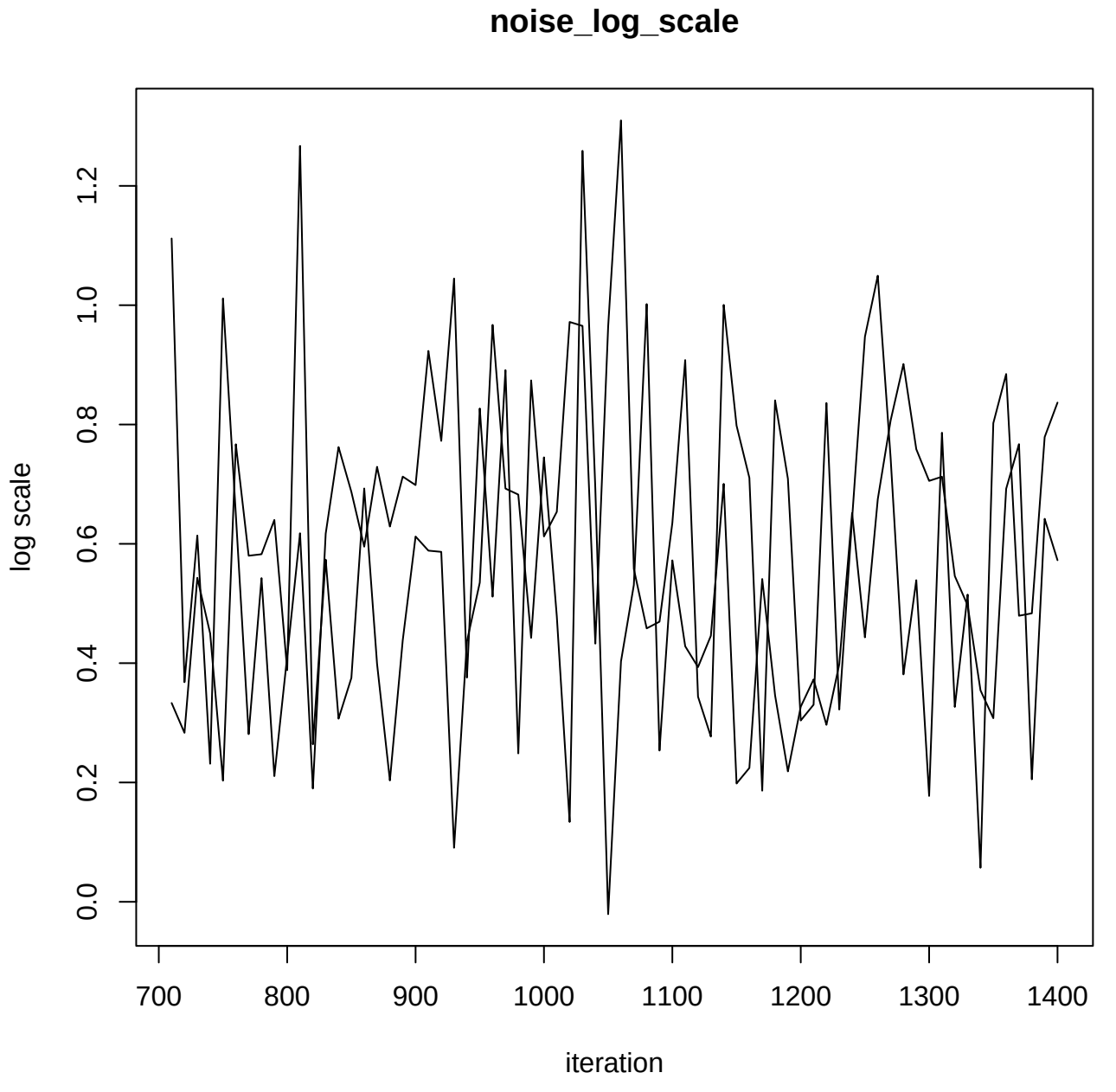

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
700
800
900
1000
1100
1200
1300
1400
iterations

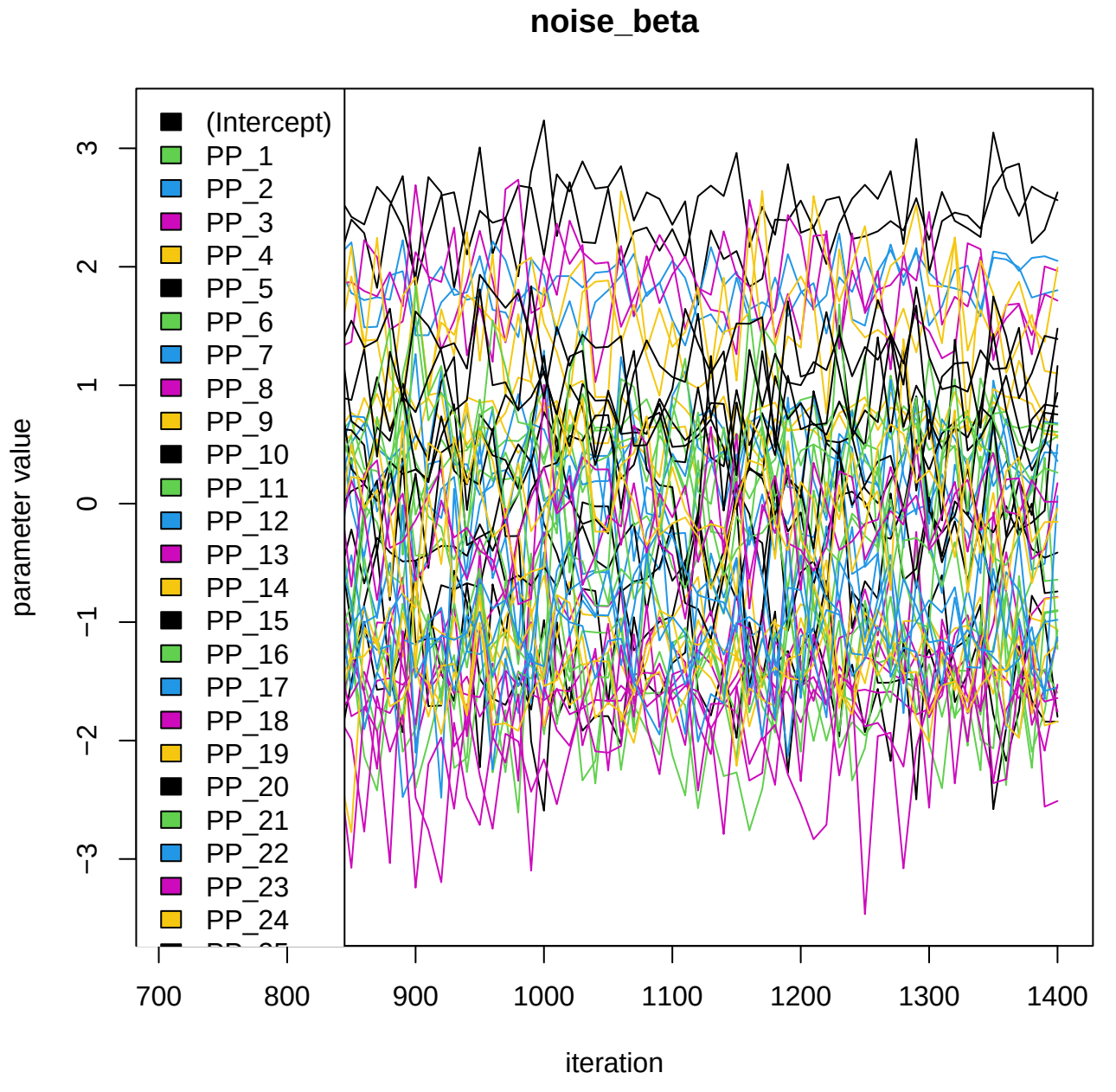

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
700
800
900
1000
1100
1200
1300
1400
iterations

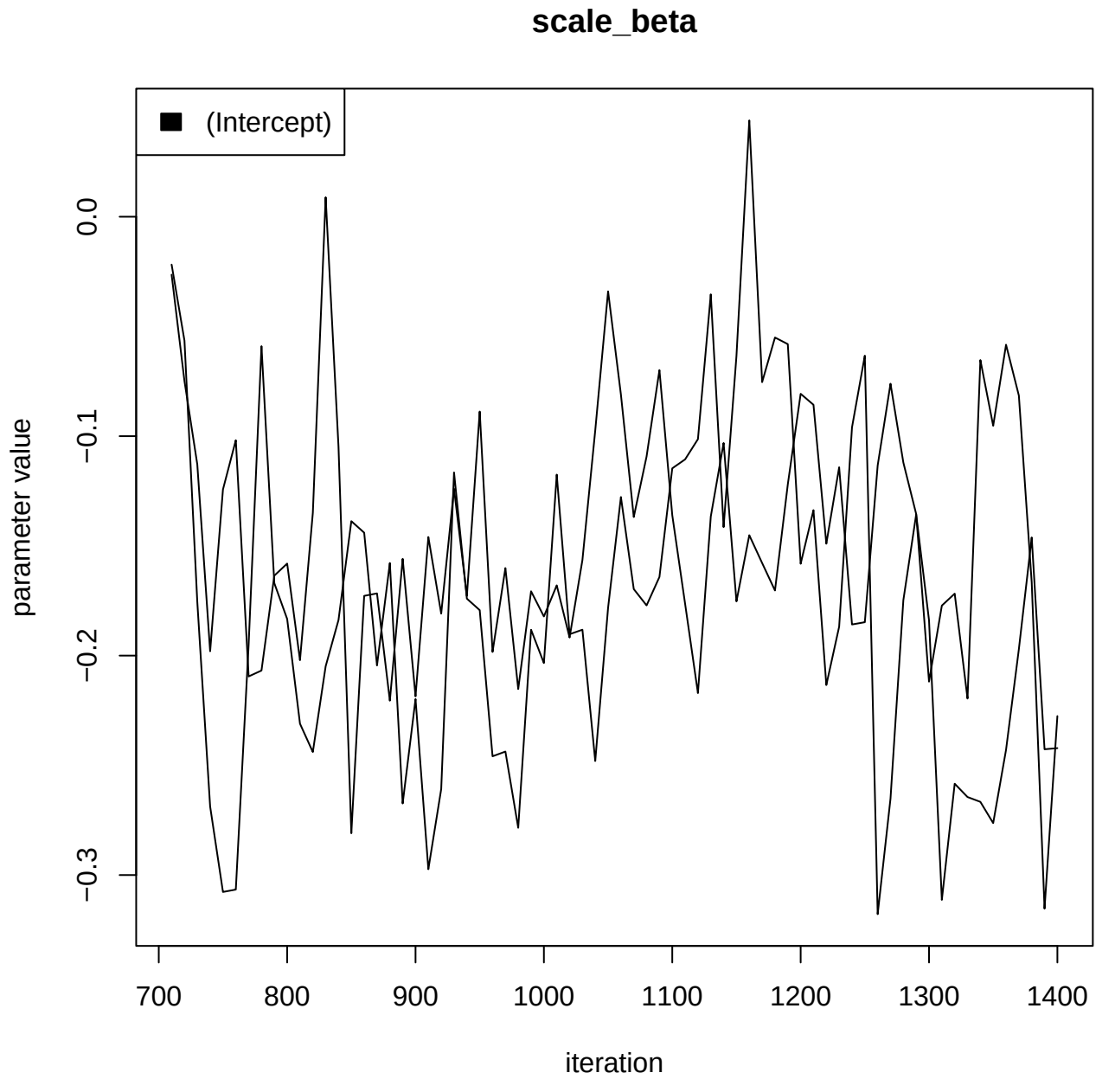

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35
700
800
900
1000
1100
1200
1300
1400
iterations

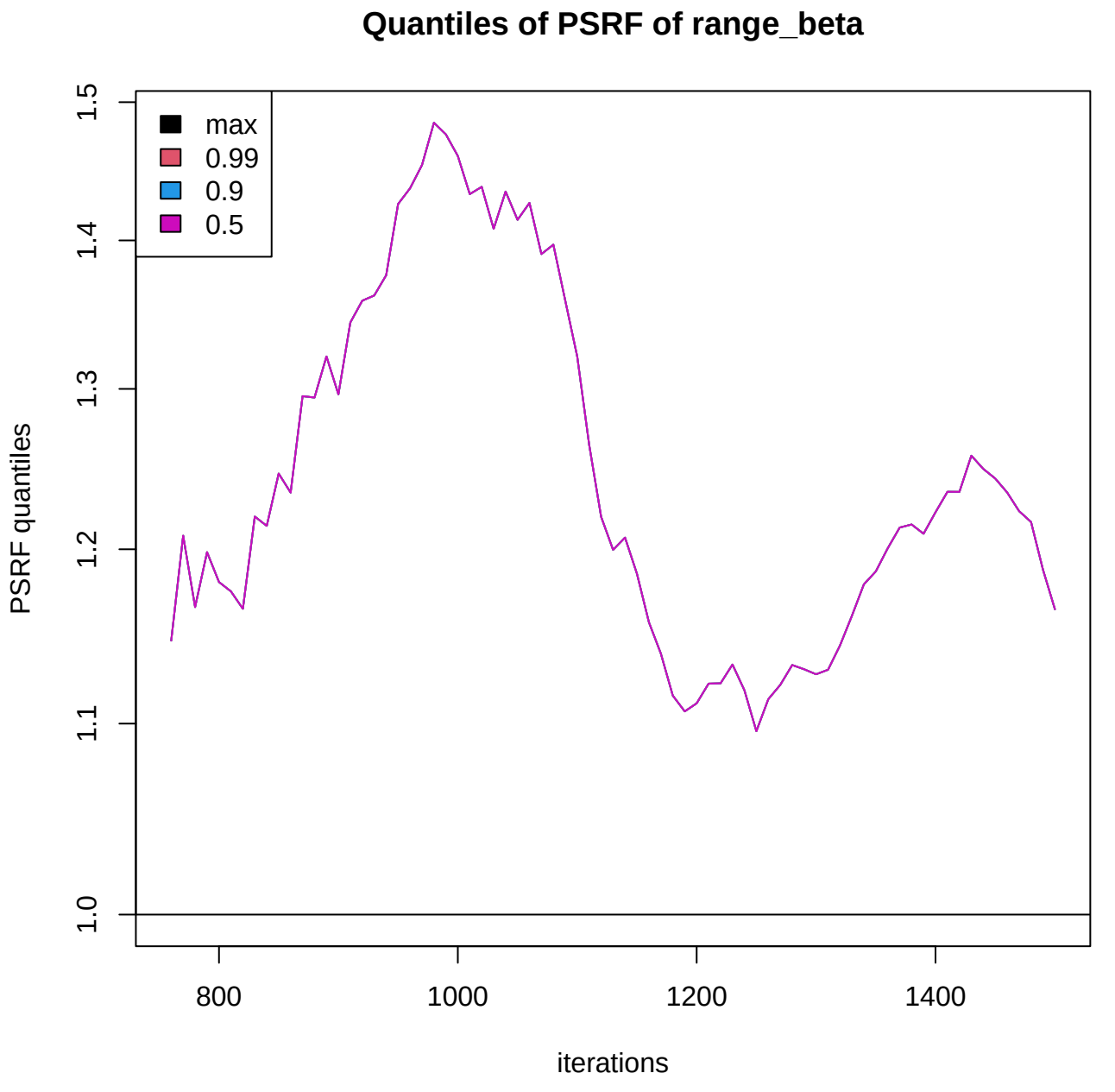

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
700
800
900
1000
1100
1200
1300
1400
iterations

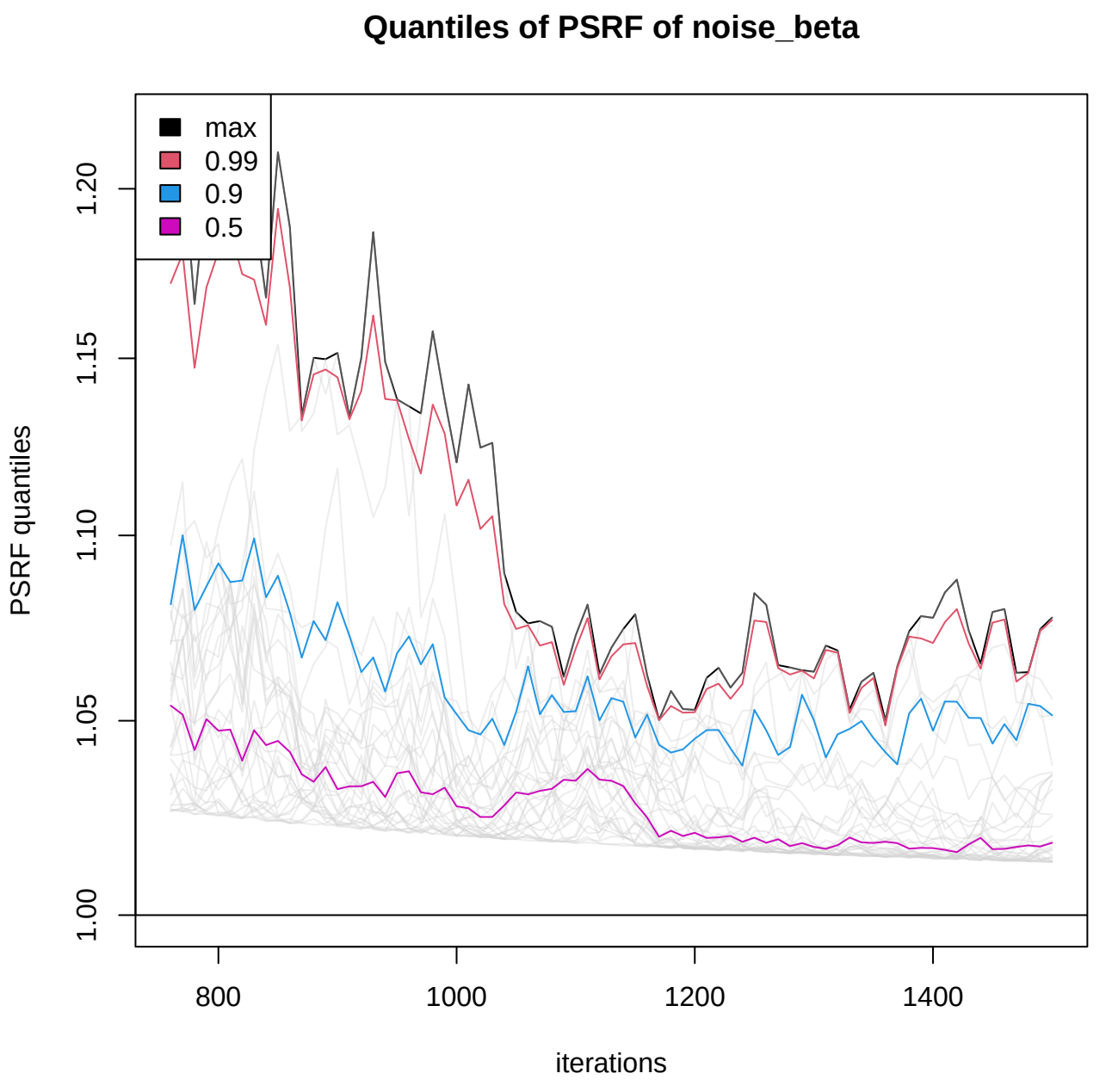

range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
700
800
900
1000
1100
1200
1300
1400
iteration

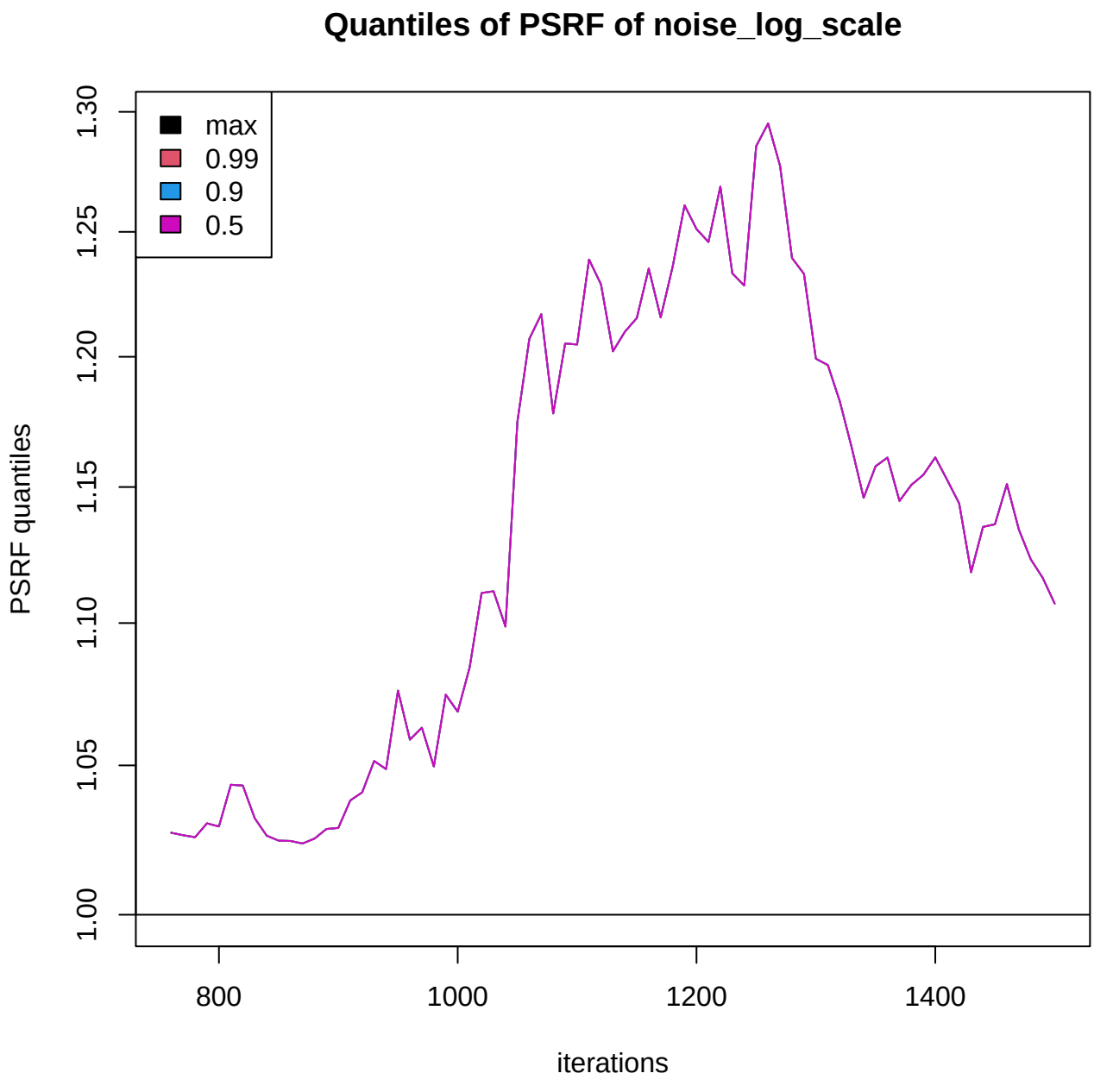

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
700
800
900
1000
1100
1200
1300
1400
iteration

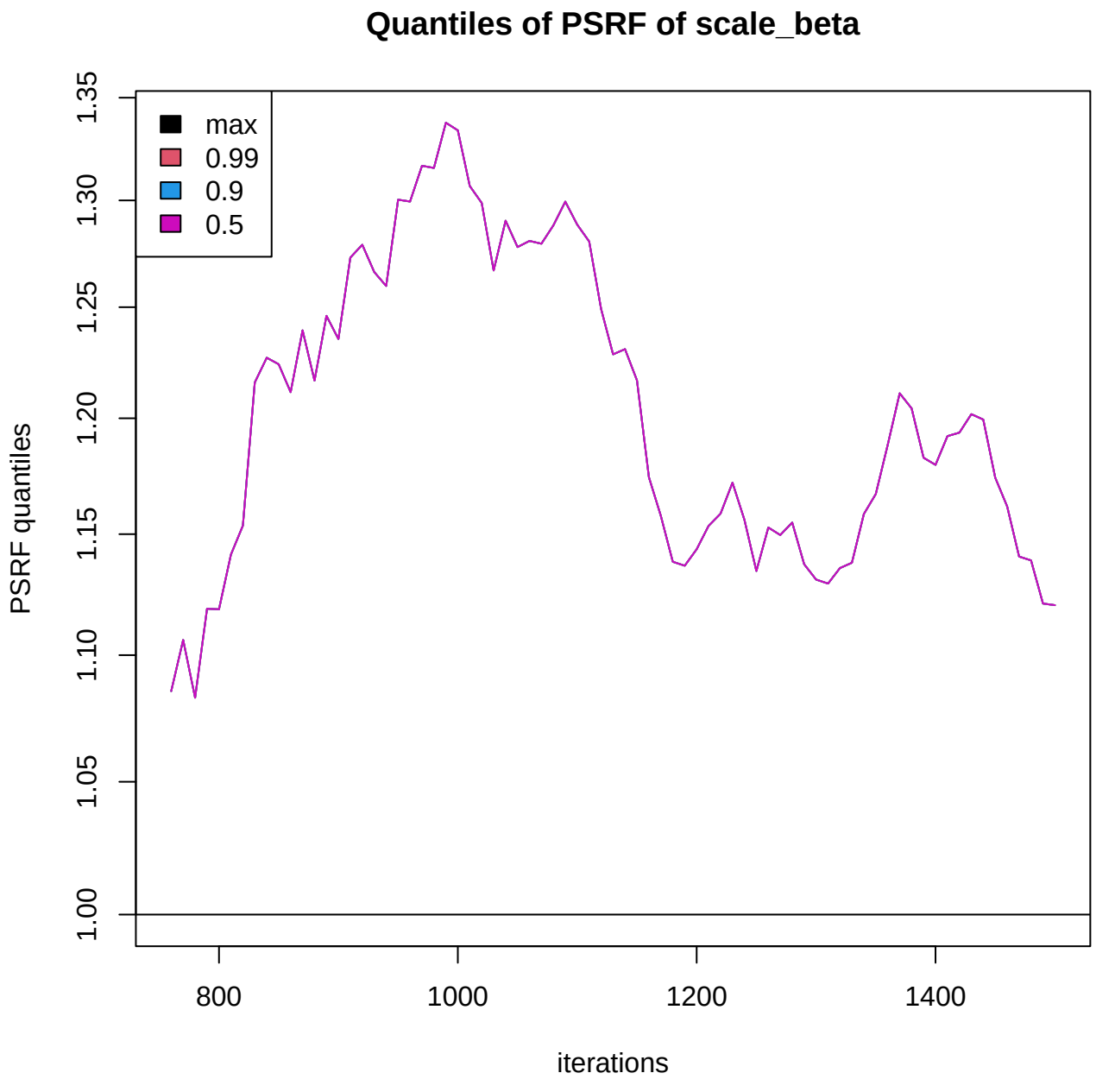

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
3
2
1
0
−1
−2
−3
700
800
900
1000
1100
1200
1300
1400
iteration

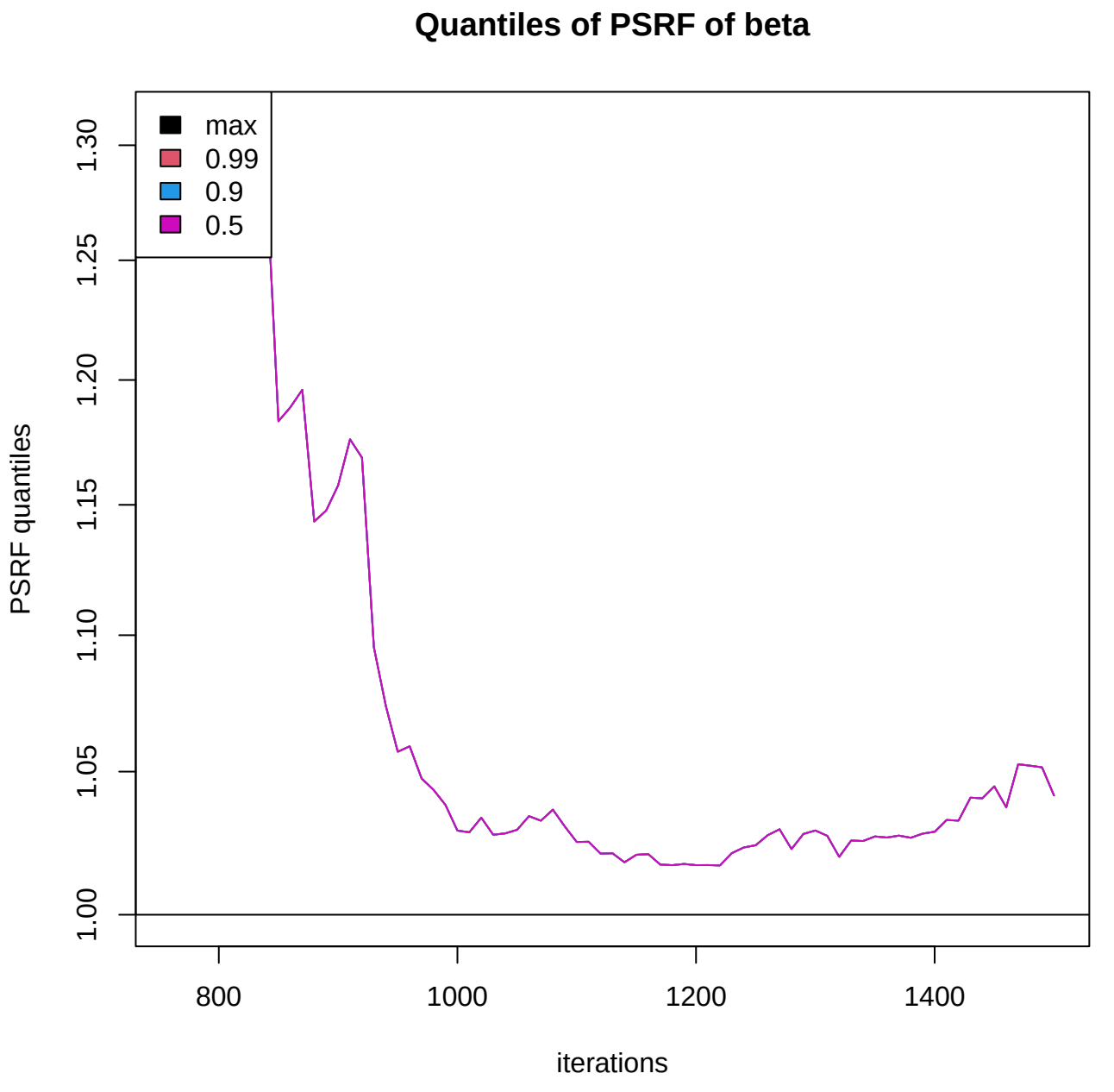

scale_beta
(Intercept)
parameter value
0.0
−0.1
−0.2
−0.3
700
800
900
1000
1100
1200
1300
1400
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
800
1000
1200
1400
iterations


Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
800
1000
1200
1400
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
800
1000
1200
1400
iterations


Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35
800
1000
1200
1400
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
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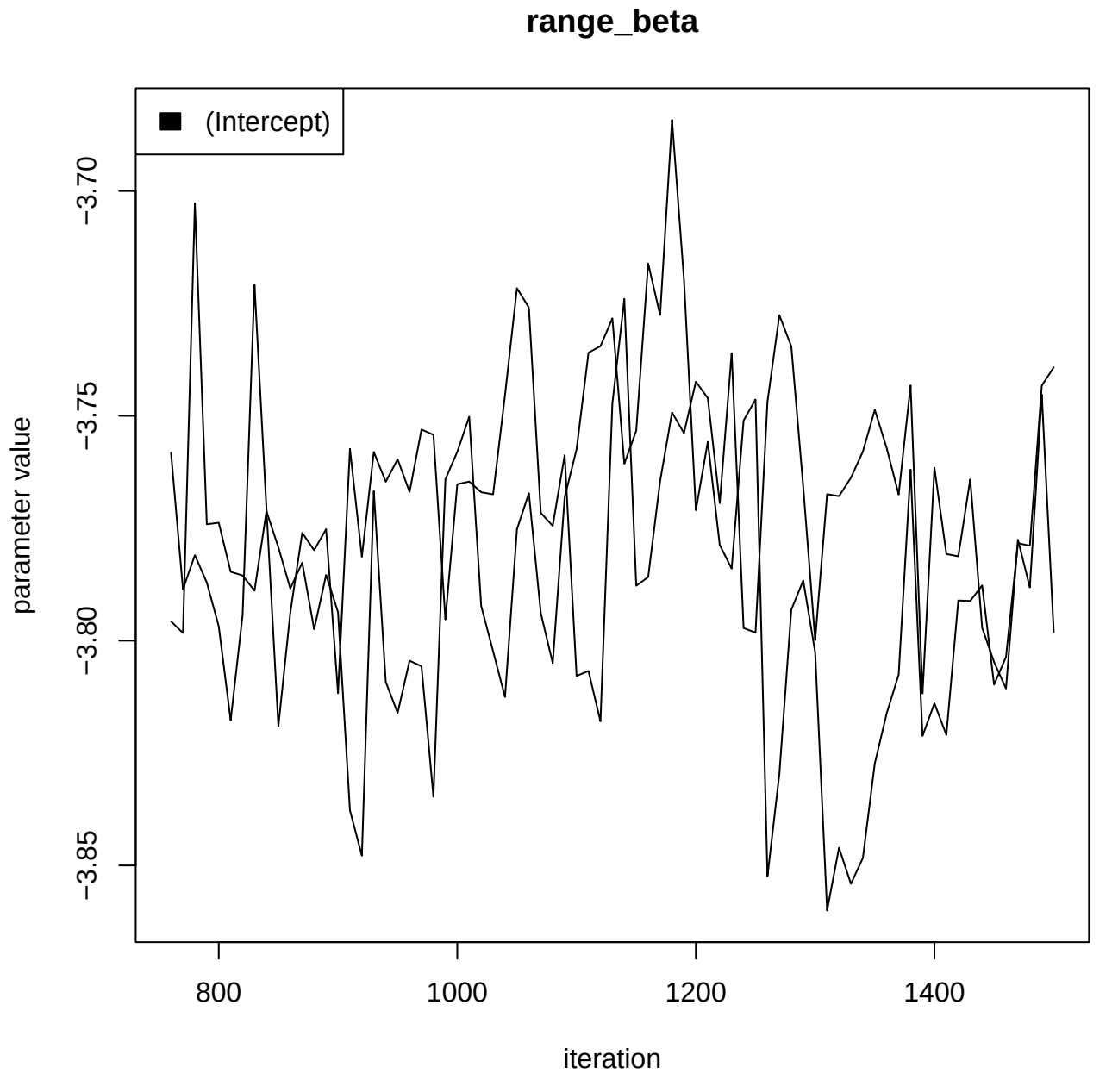
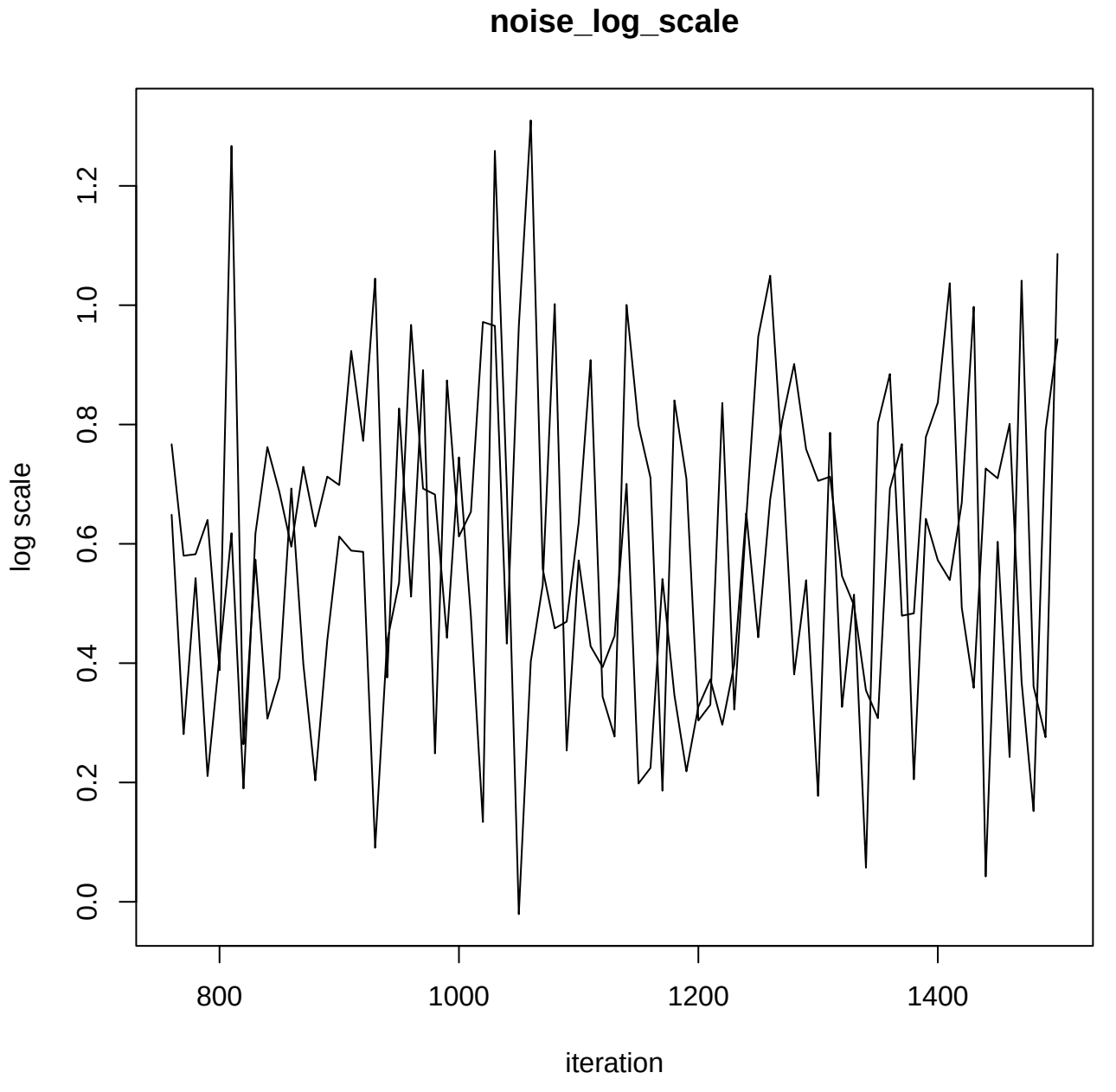
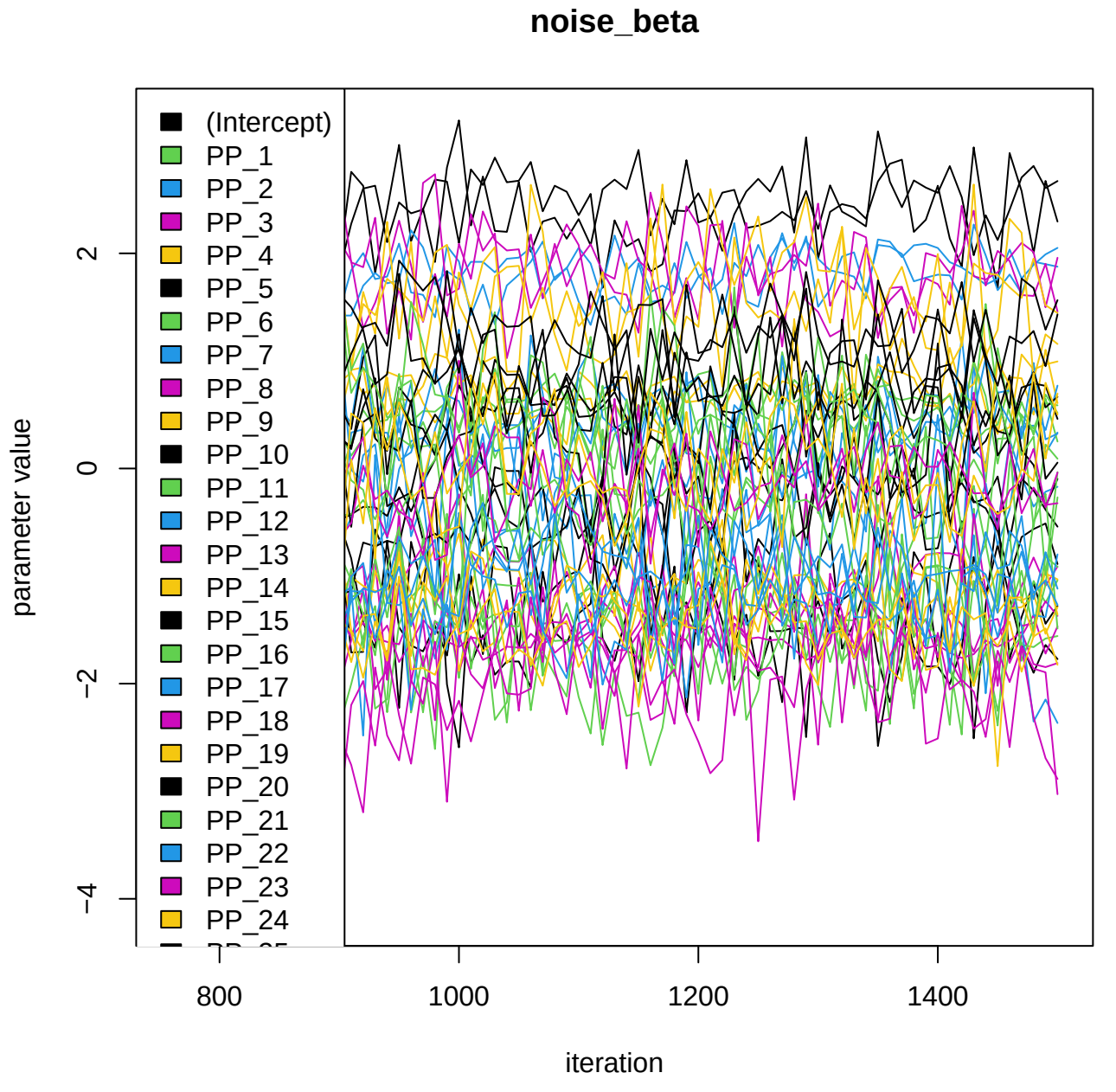
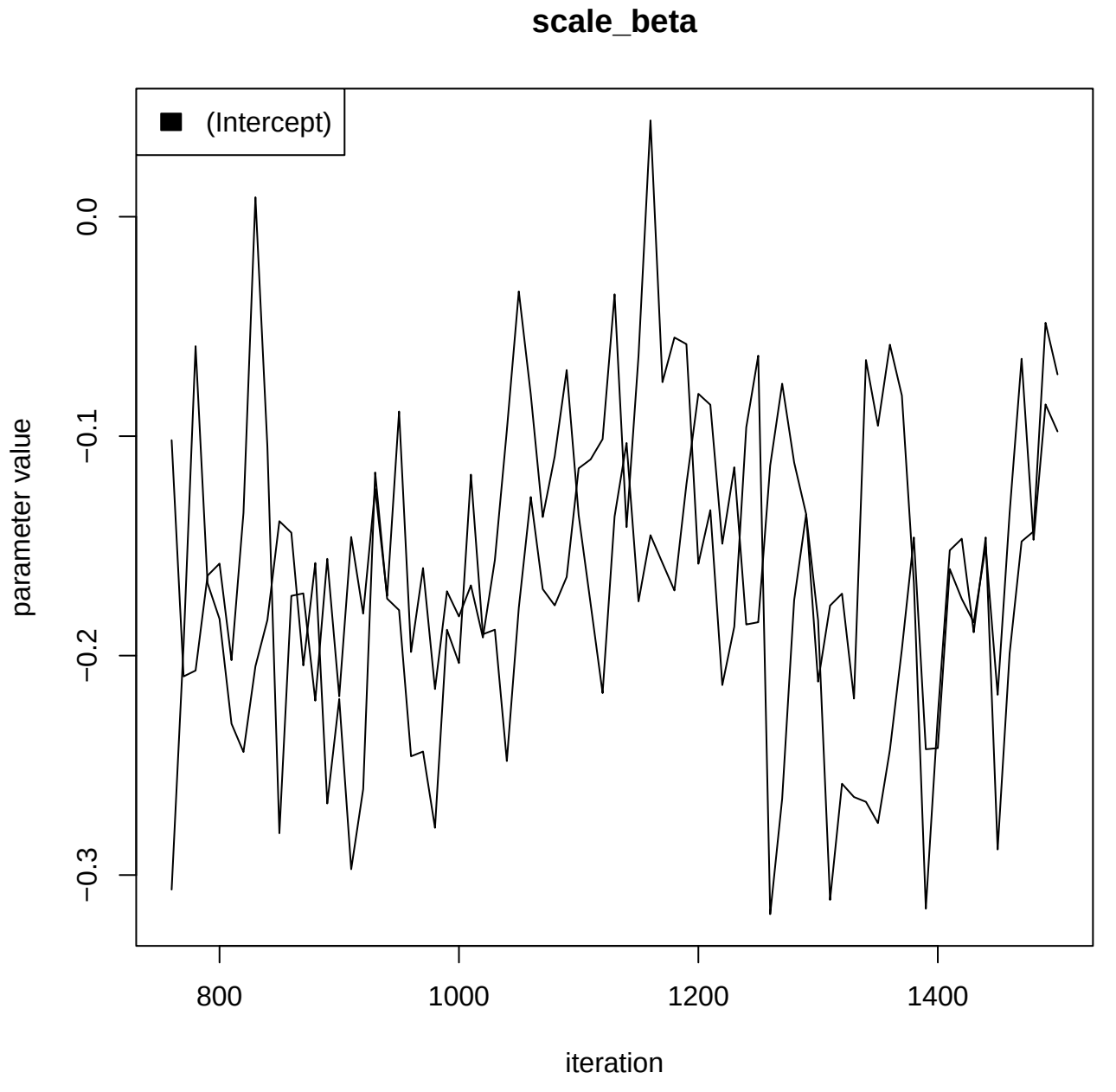
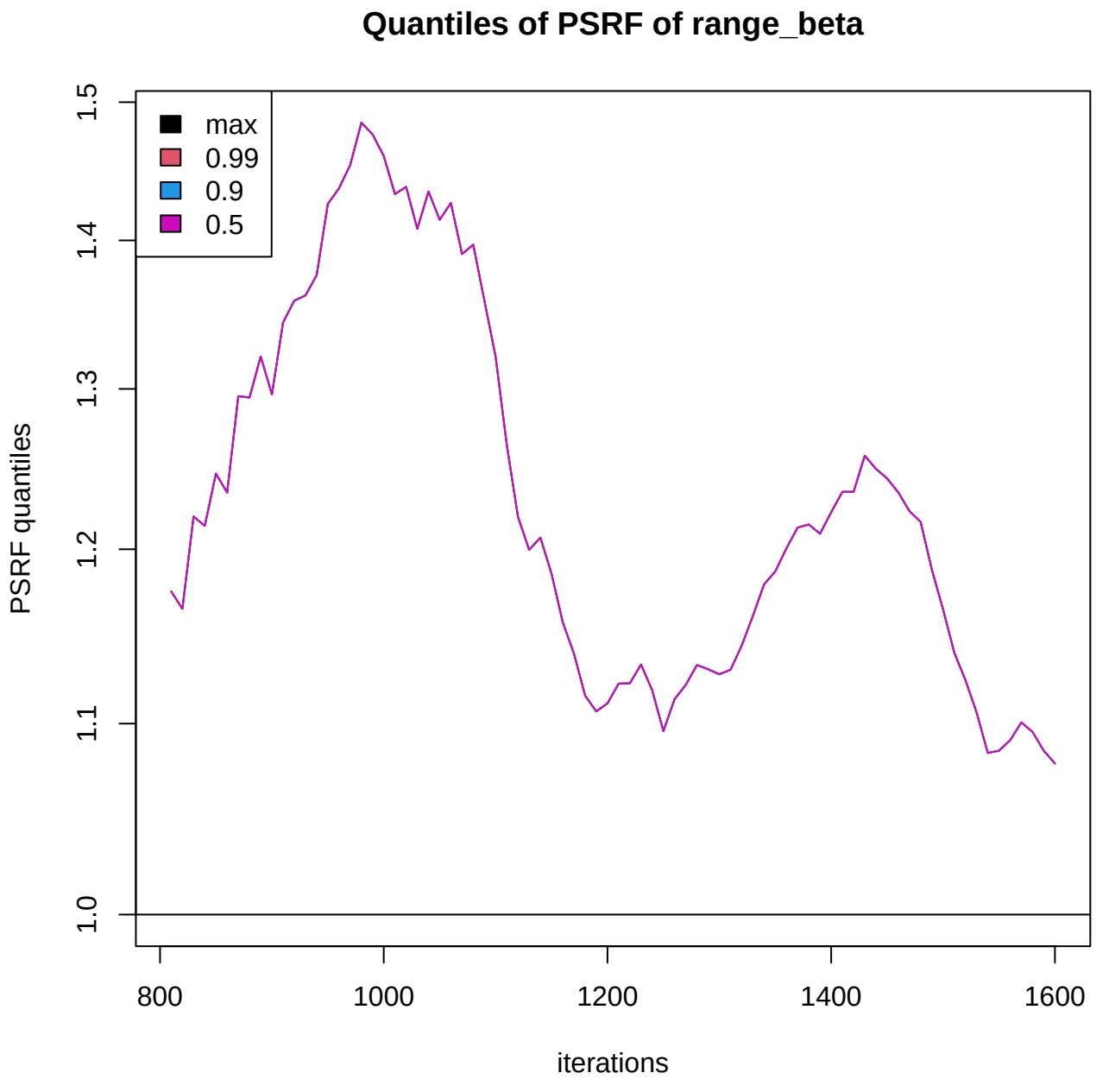
1.05
1.10
1.15
1.20
1.25
1.30
800
1000
1200
1400
iterations

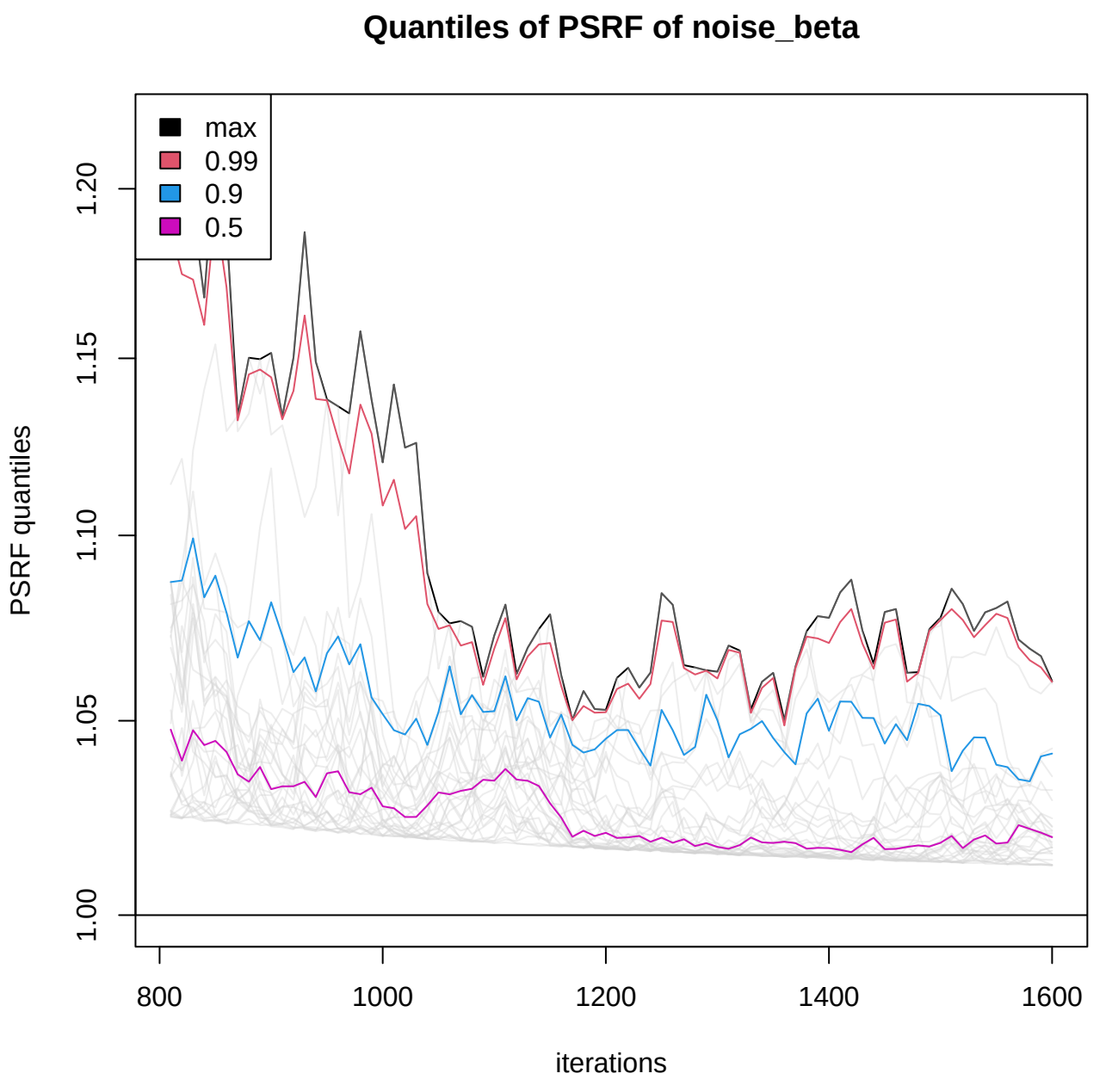

range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
800
1000
1200
1400
iteration

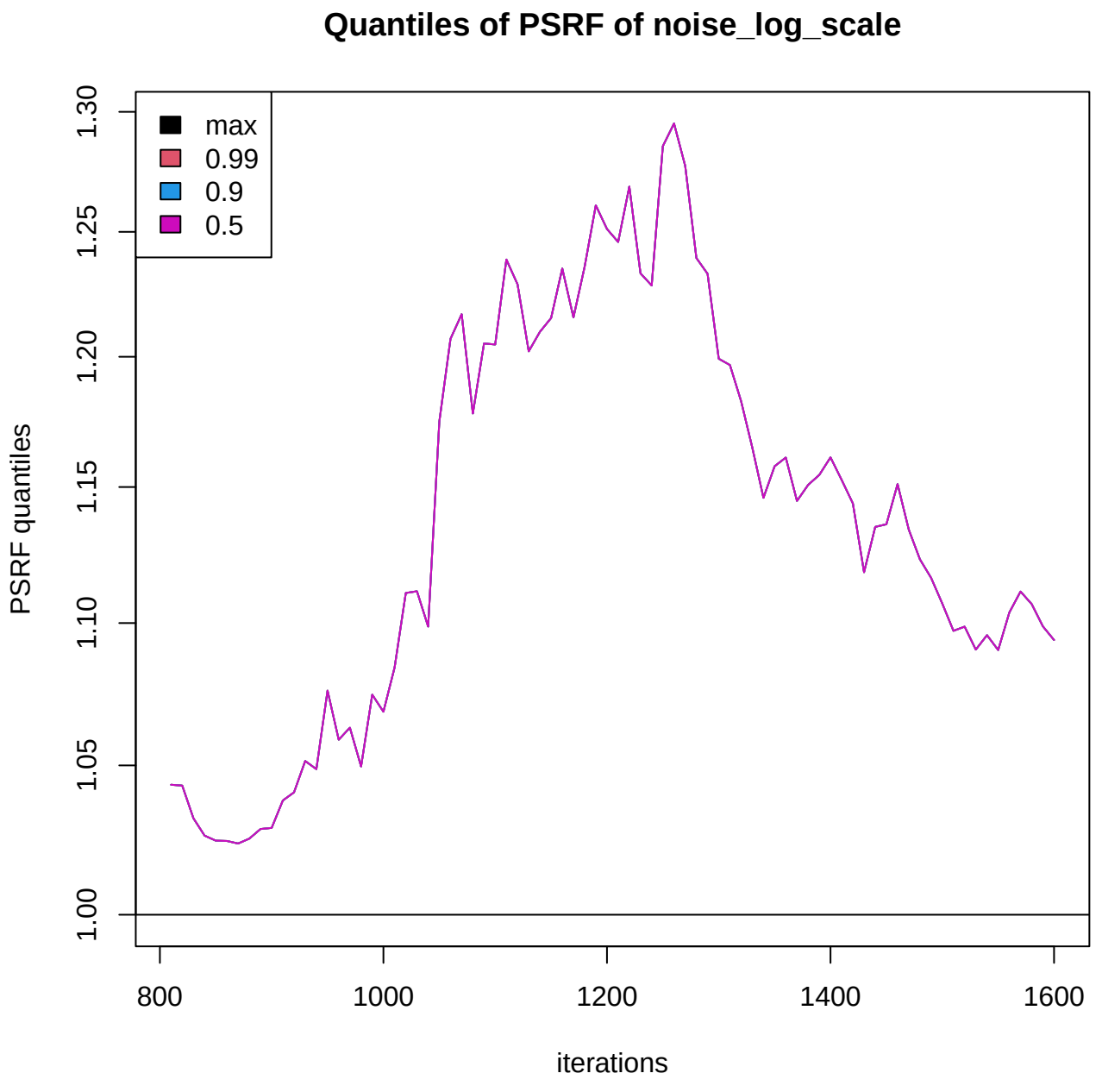

noise_log_scale
log scale
0.0
0.2
0.4
0.6
0.8
1.0
1.2
800
1000
1200
1400
iteration

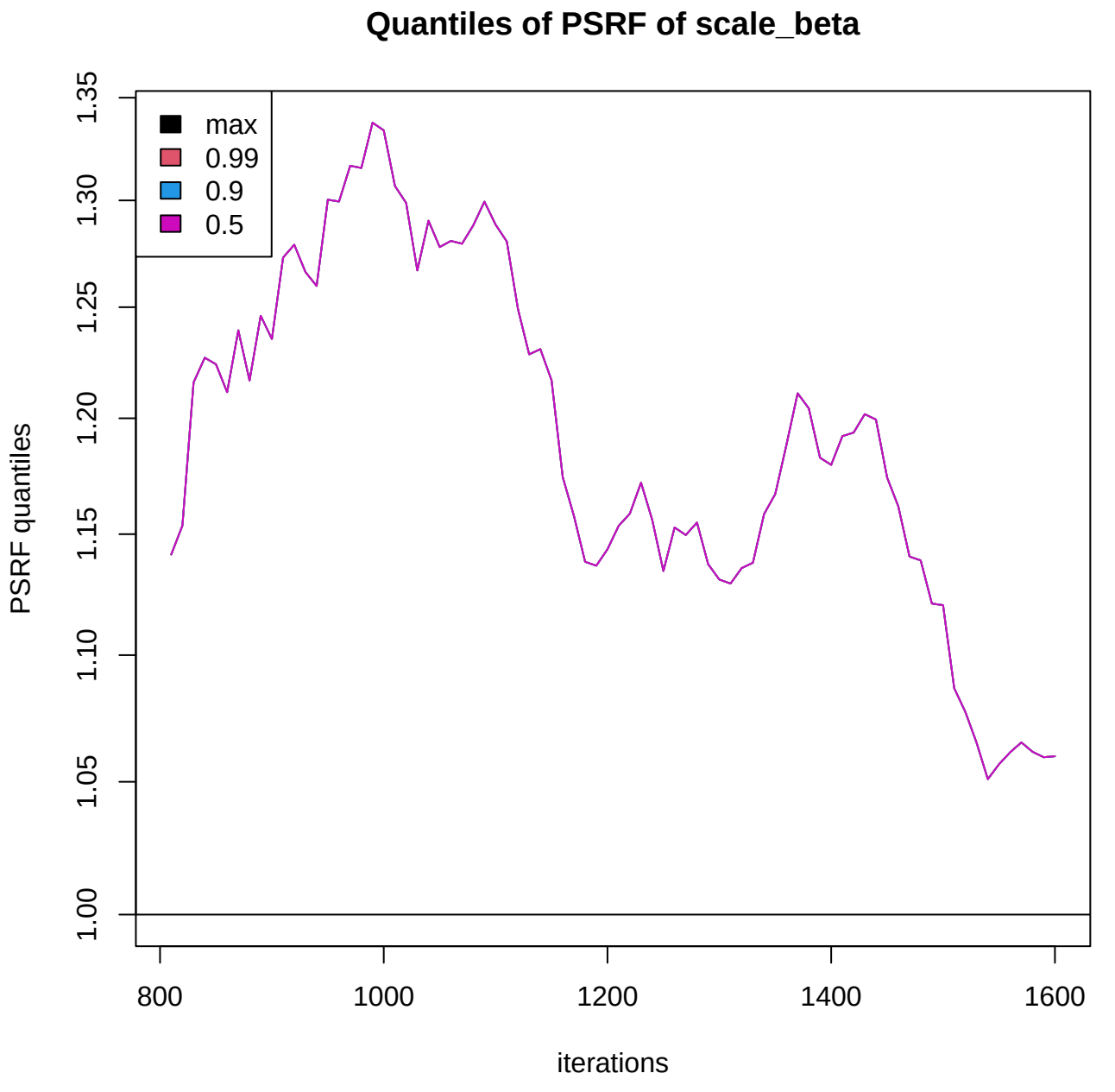

noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
800
1000
1200
1400
iteration


scale_beta
(Intercept)
parameter value
0.0
−0.1
−0.2
−0.3
800
1000
1200
1400
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
800
1000
1200
1400
1600
iterations


Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
800
1000
1200
1400
1600
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
800
1000
1200
1400
1600
iterations


Quantiles of PSRF of scale_beta
max
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0.9
0.5
PSRF quantiles
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1.05
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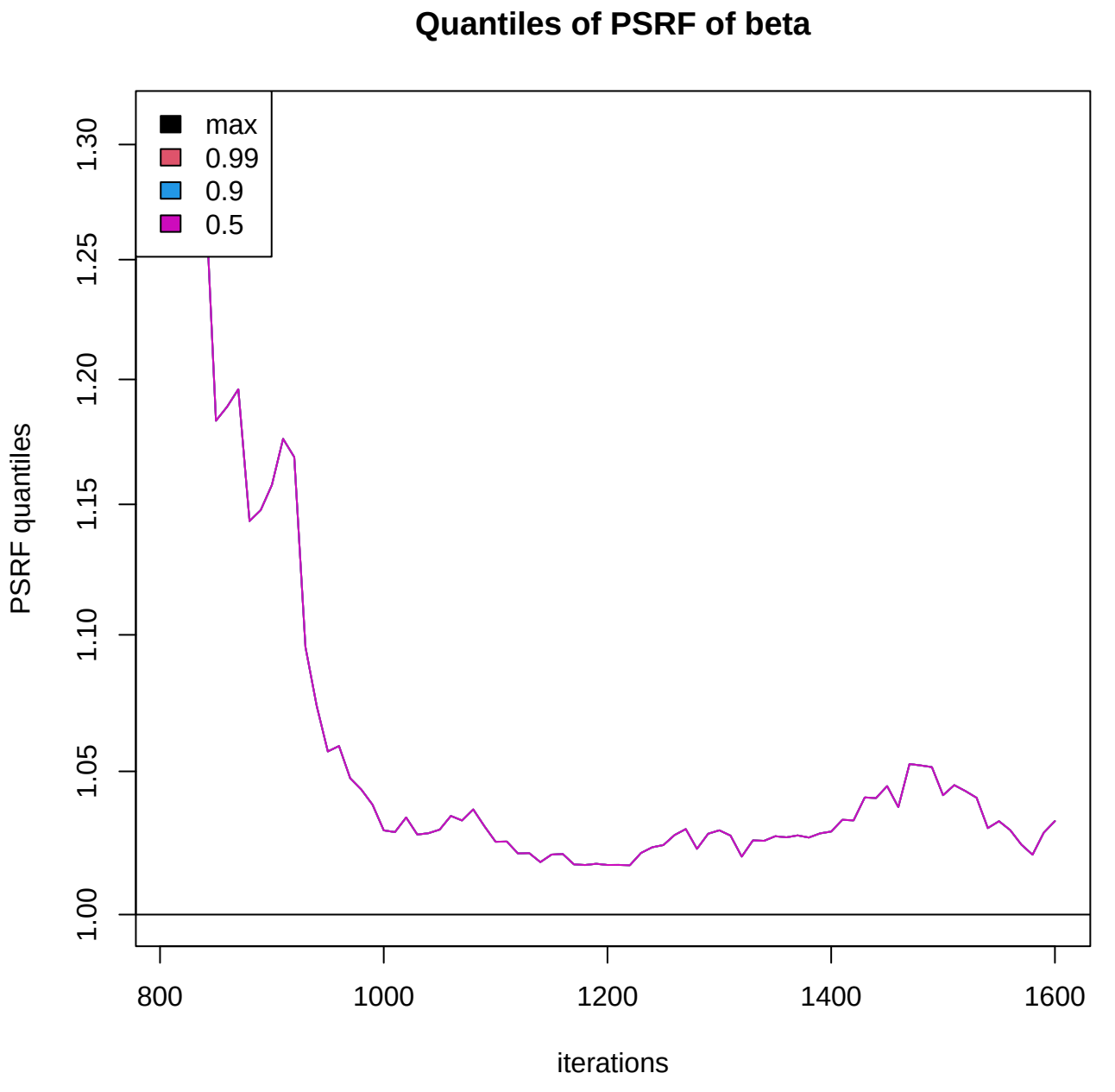
1.15
1.20
1.25
1.30
1.35
800
1000
1200
1400
1600
iterations


Quantiles of PSRF of beta
max
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0.9
0.5
PSRF quantiles
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1.05
1.10
1.15
1.20
1.25
1.30
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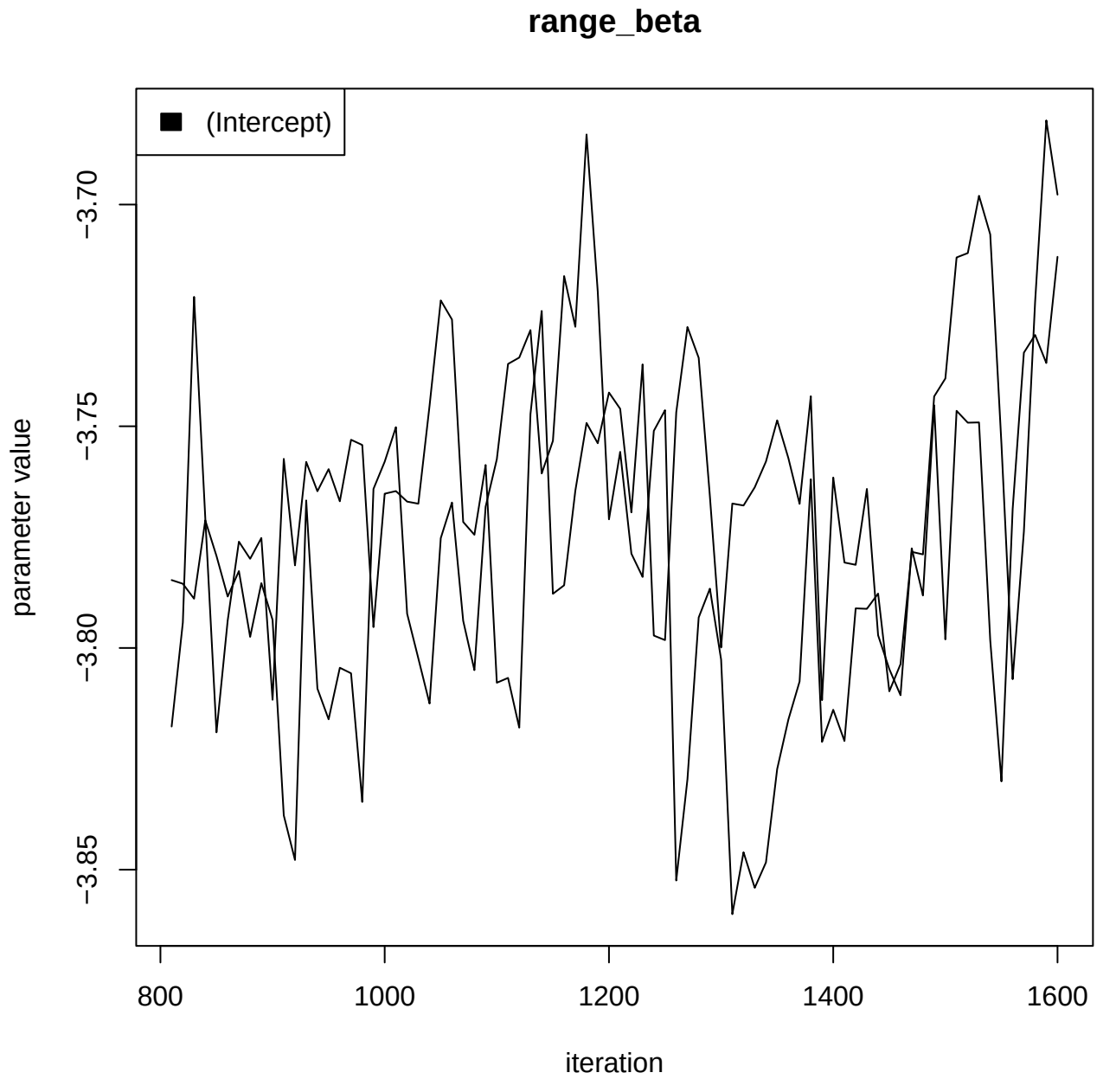
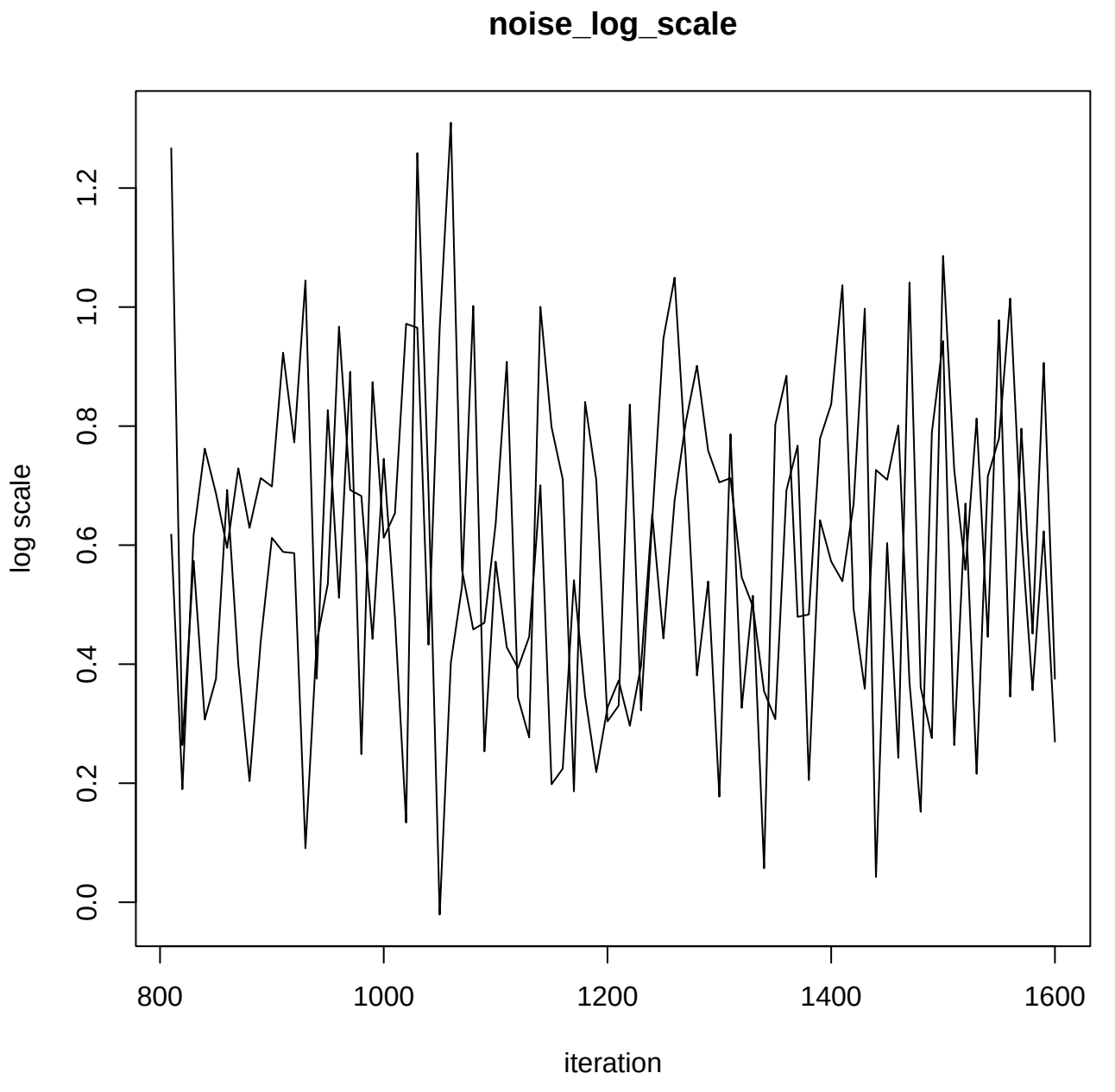
1000
1200
1400
1600
iterations


range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
800
1000
1200
1400
1600
iteration


noise_log_scale
log scale
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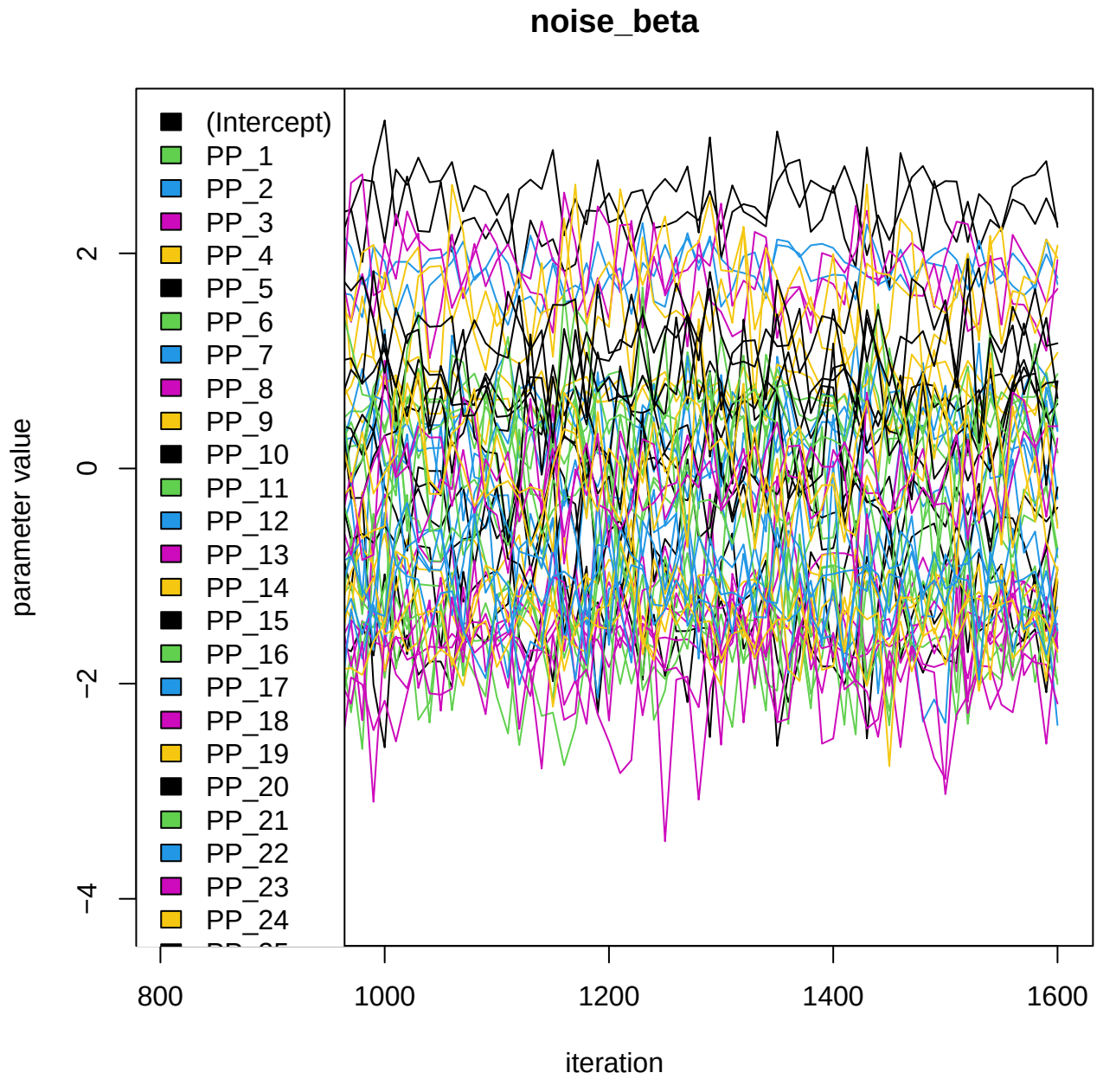
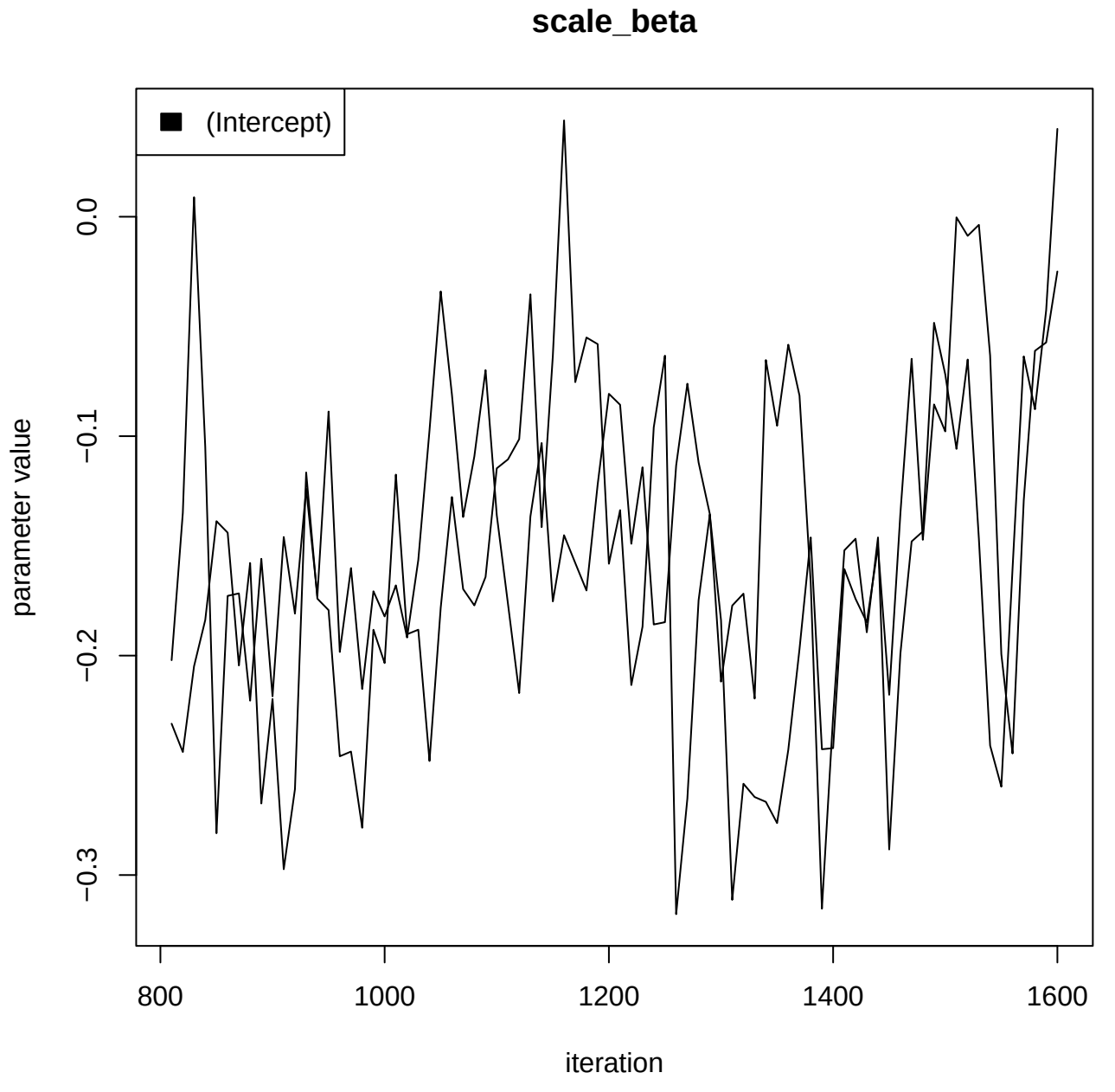
0.4
0.6
0.8
1.0
1.2
800
1000
1200
1400
1600
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
800
1000
1200
1400
1600
iteration


scale_beta
(Intercept)
parameter value
0.0
−0.1
−0.2
−0.3
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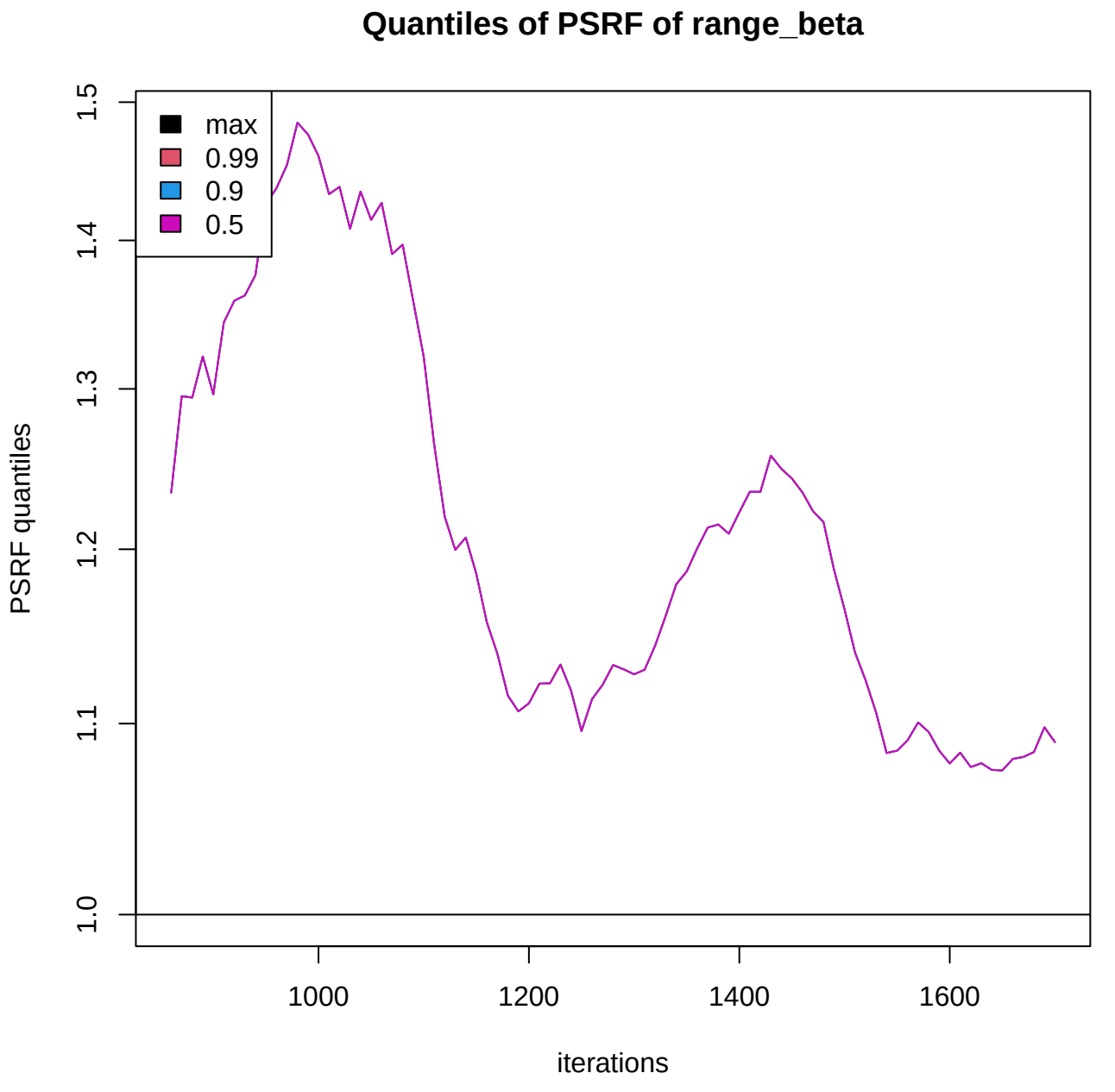
1000
1200
1400
1600
iteration


Quantiles of PSRF of range_beta
max
0.99
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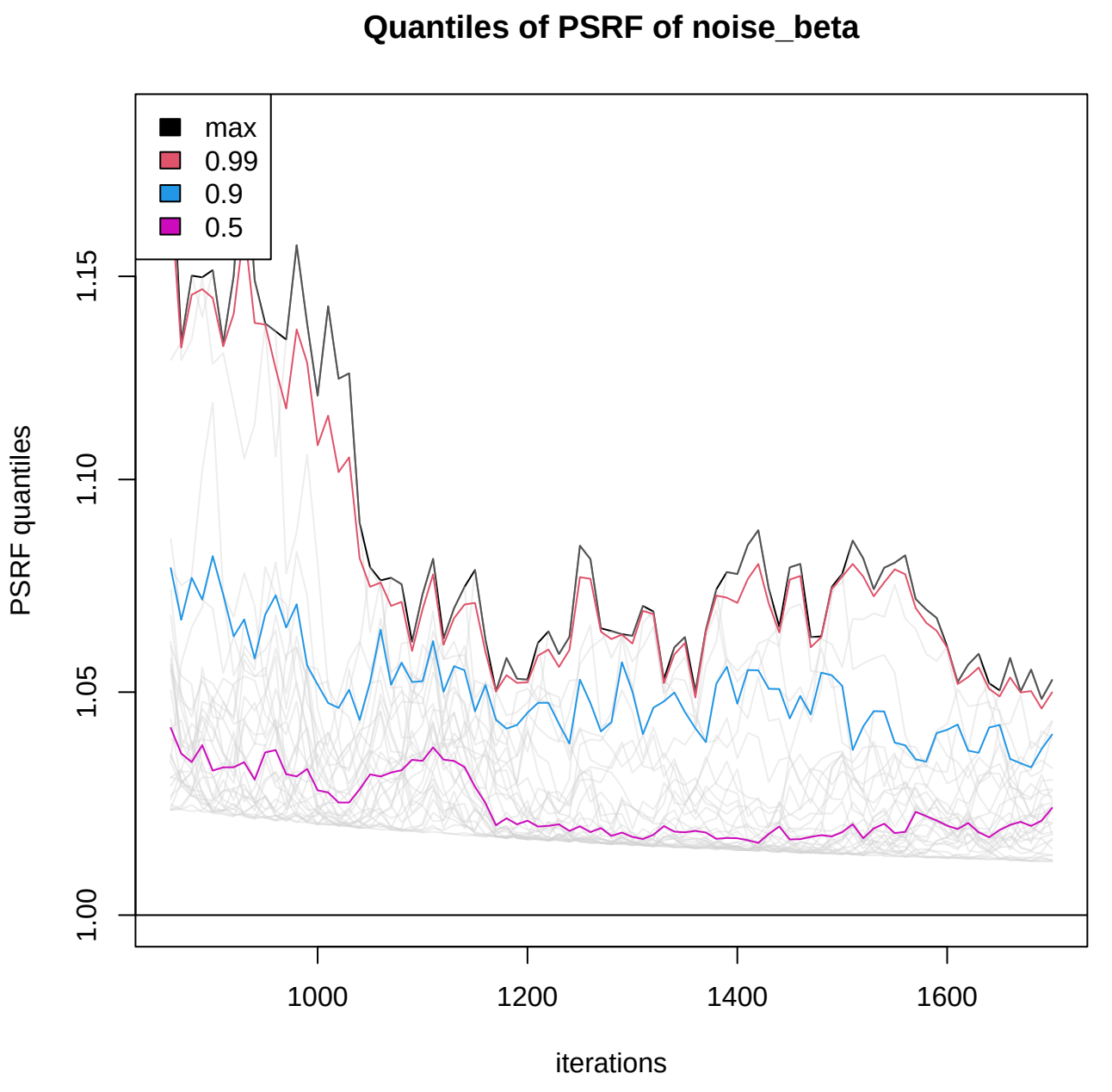
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1000
1200
1400
1600
iterations


Quantiles of PSRF of noise_beta
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0.5
PSRF quantiles
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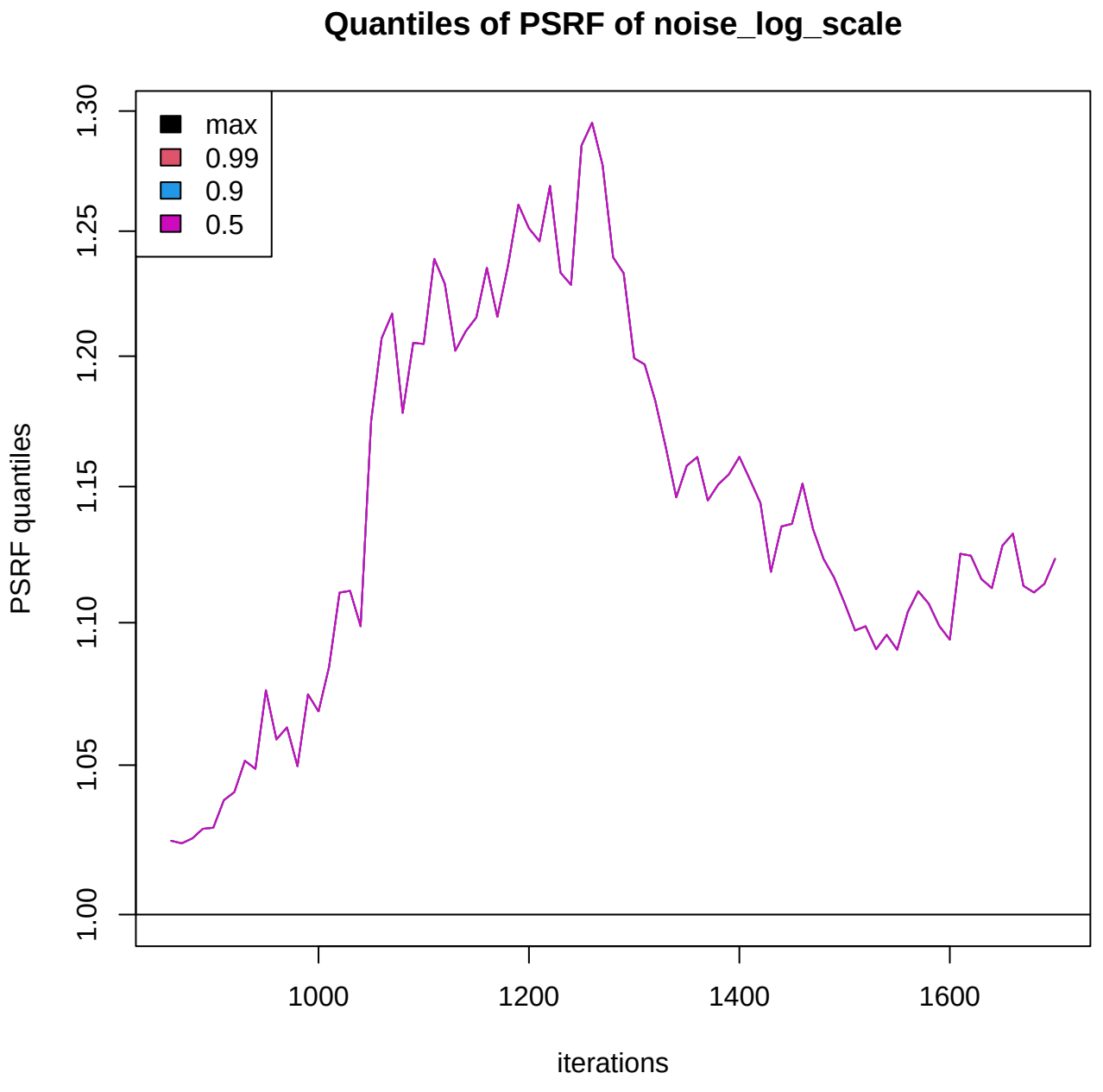
1.05
1.10
1.15
1000
1200
1400
1600
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
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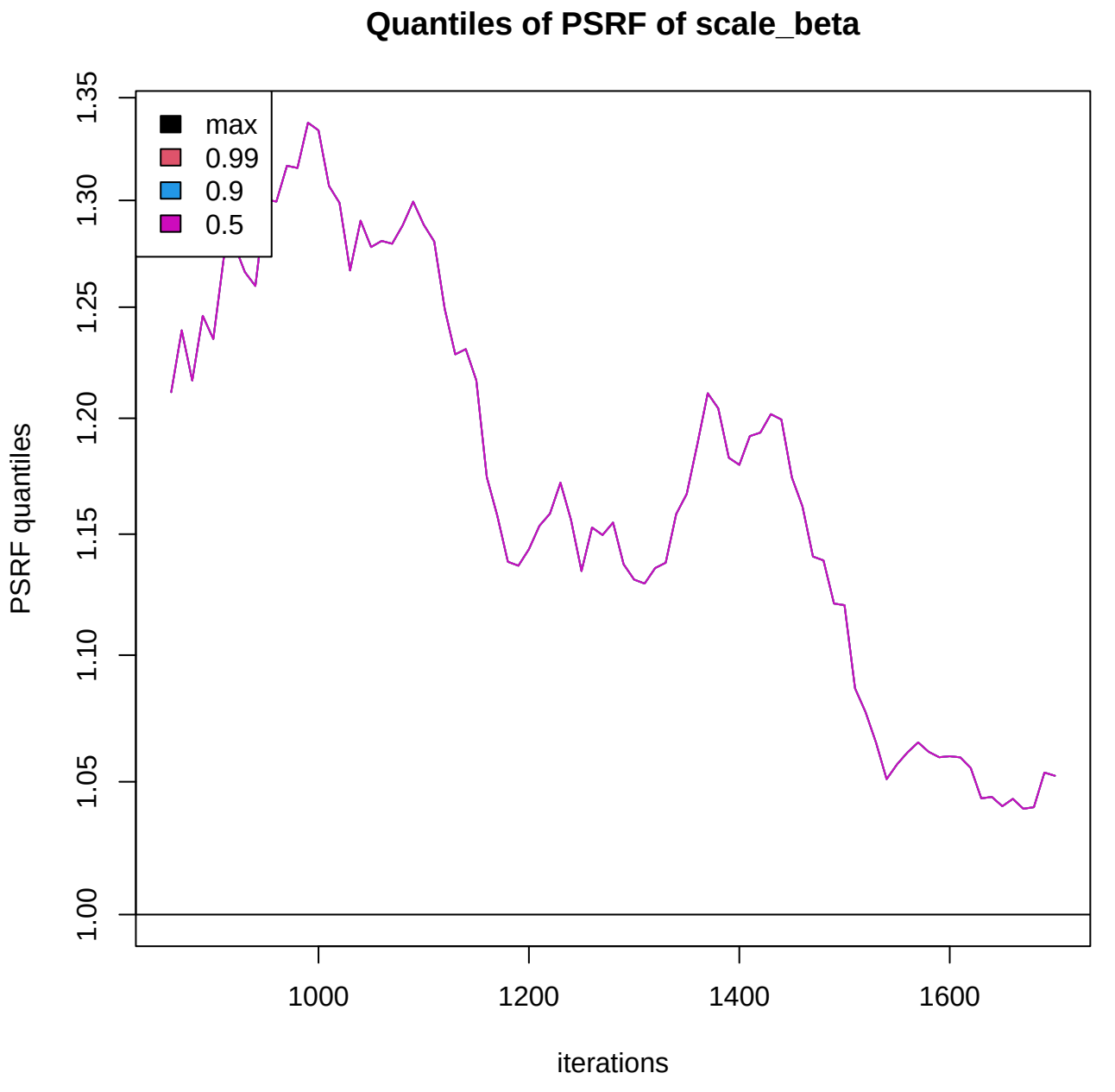
1.05
1.10
1.15
1.20
1.25
1.30
1000
1200
1400
1600
iterations


Quantiles of PSRF of scale_beta
max
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0.9
0.5
PSRF quantiles
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1.25
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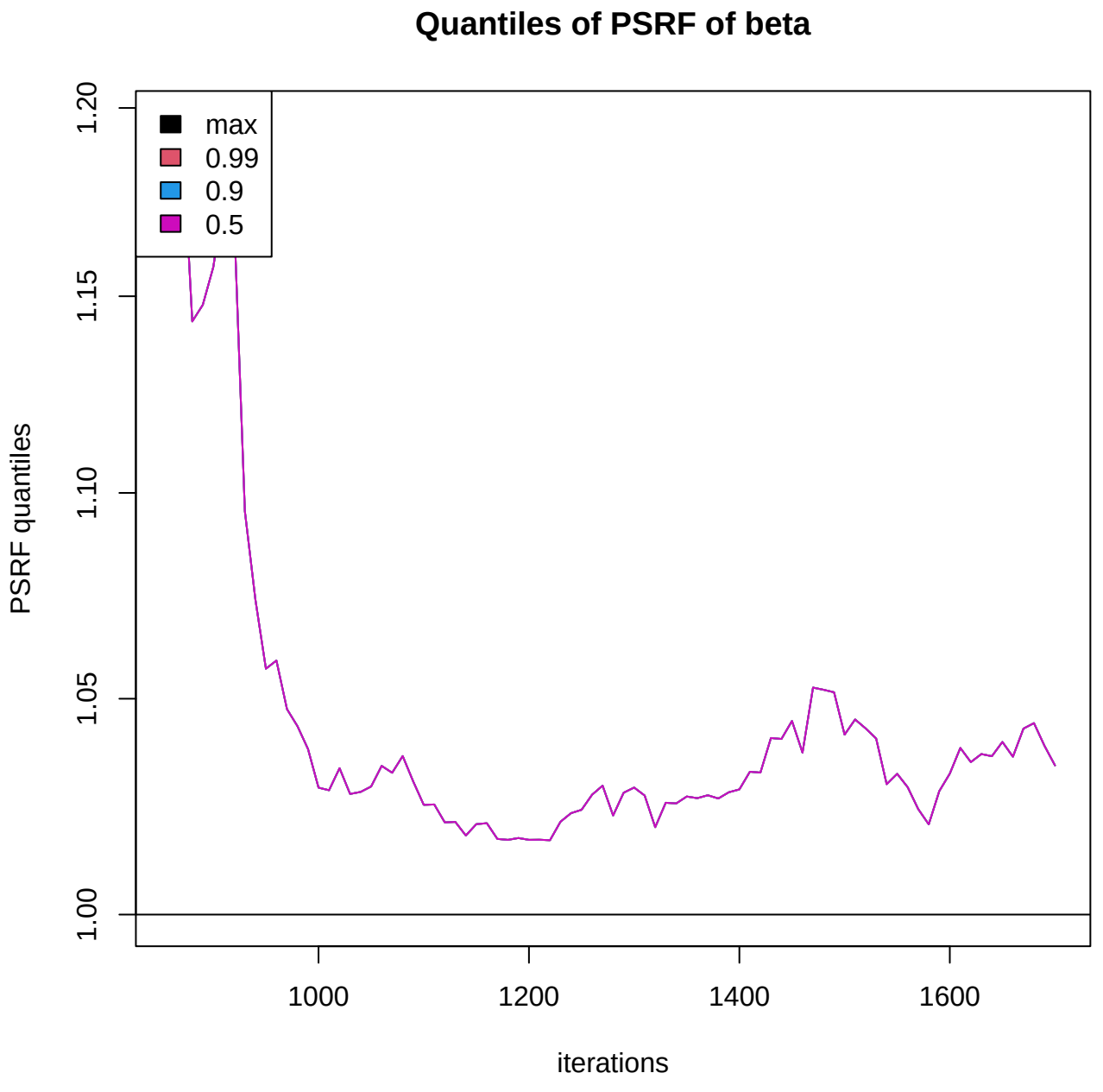
1.35
1000
1200
1400
1600
iterations


Quantiles of PSRF of beta
max
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0.9
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PSRF quantiles
1.00
1.05
1.10
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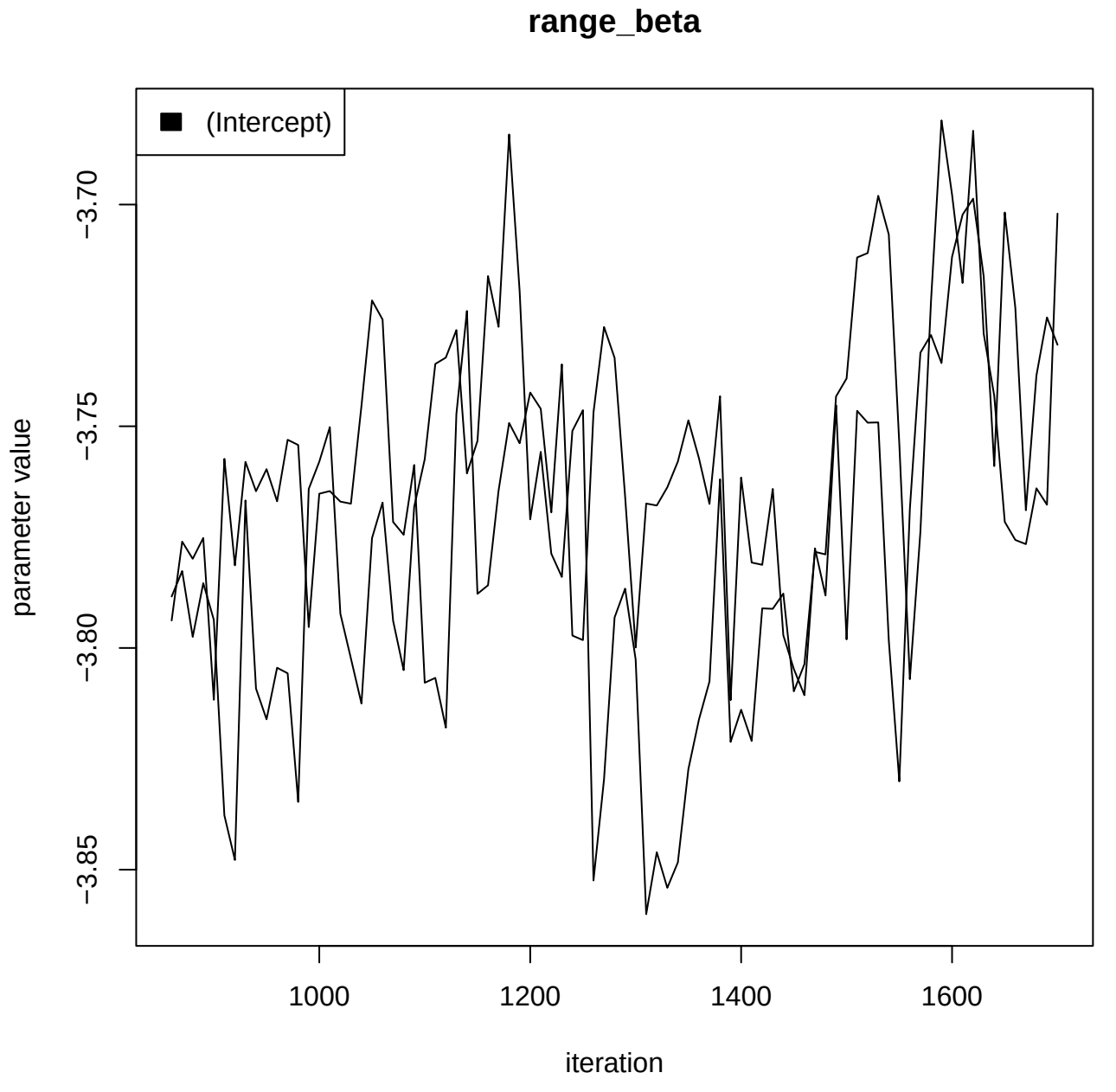
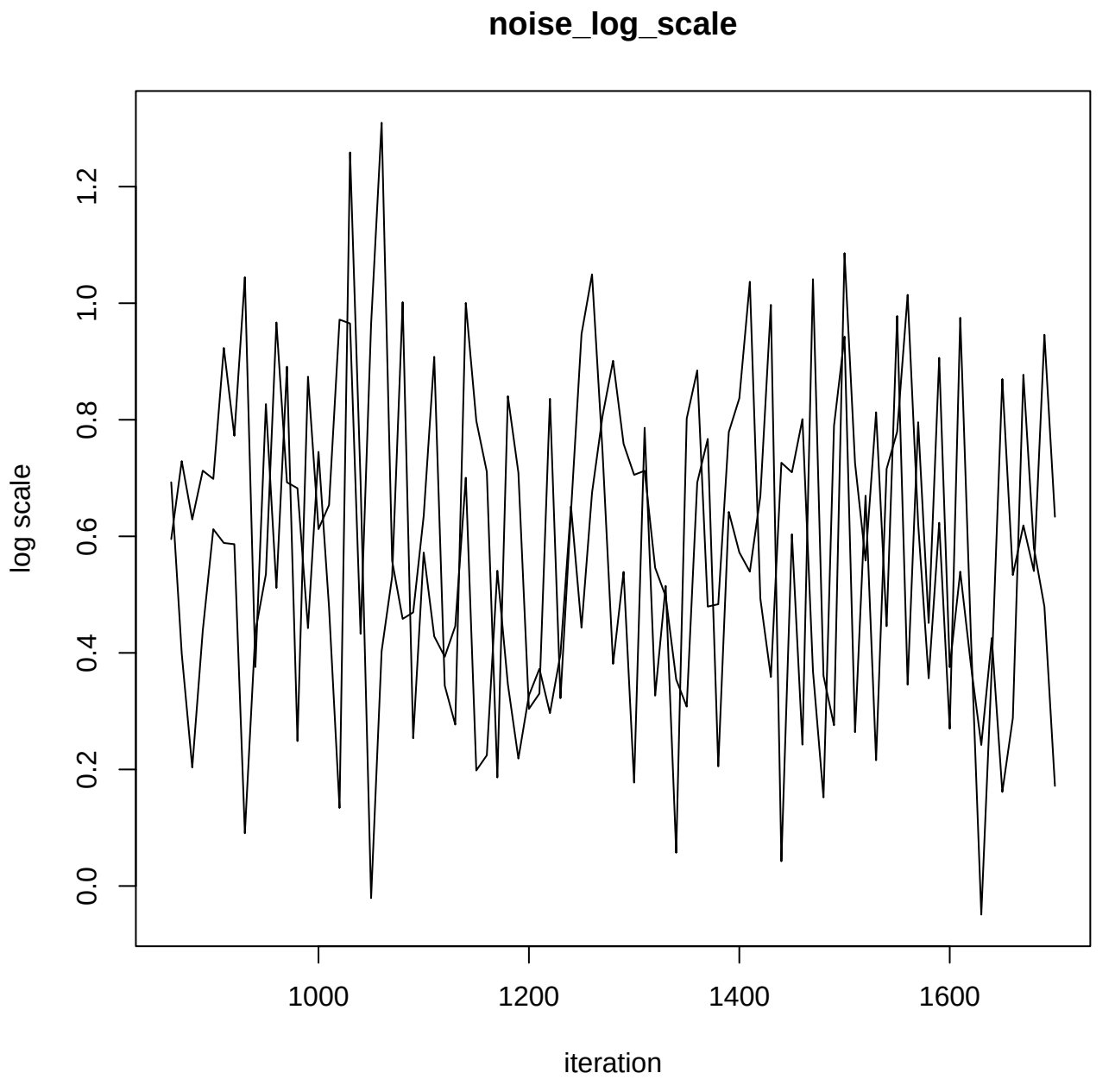
1.20
1000
1200
1400
1600
iterations


range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
1000
1200
1400
1600
iteration


noise_log_scale
log scale
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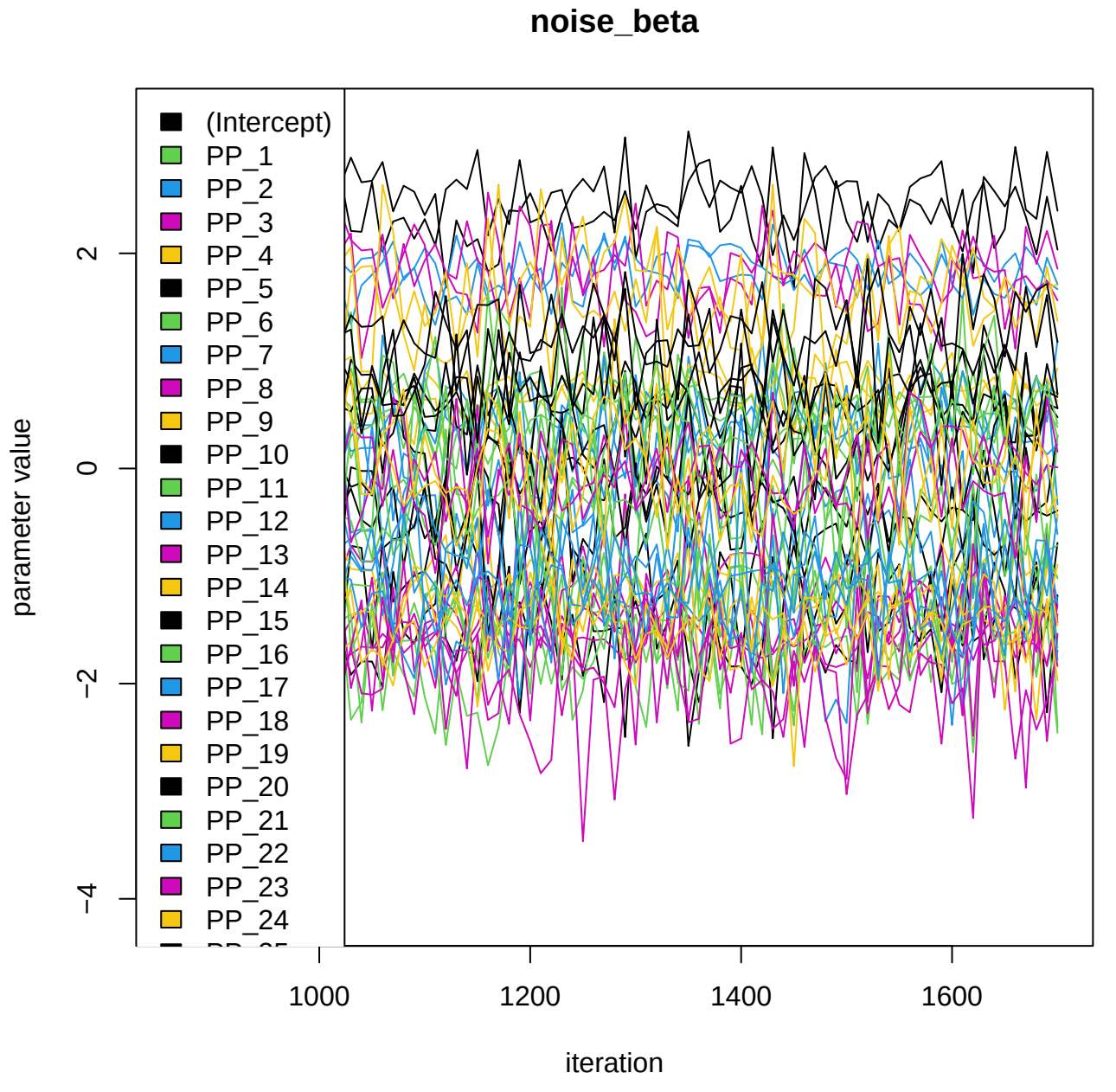
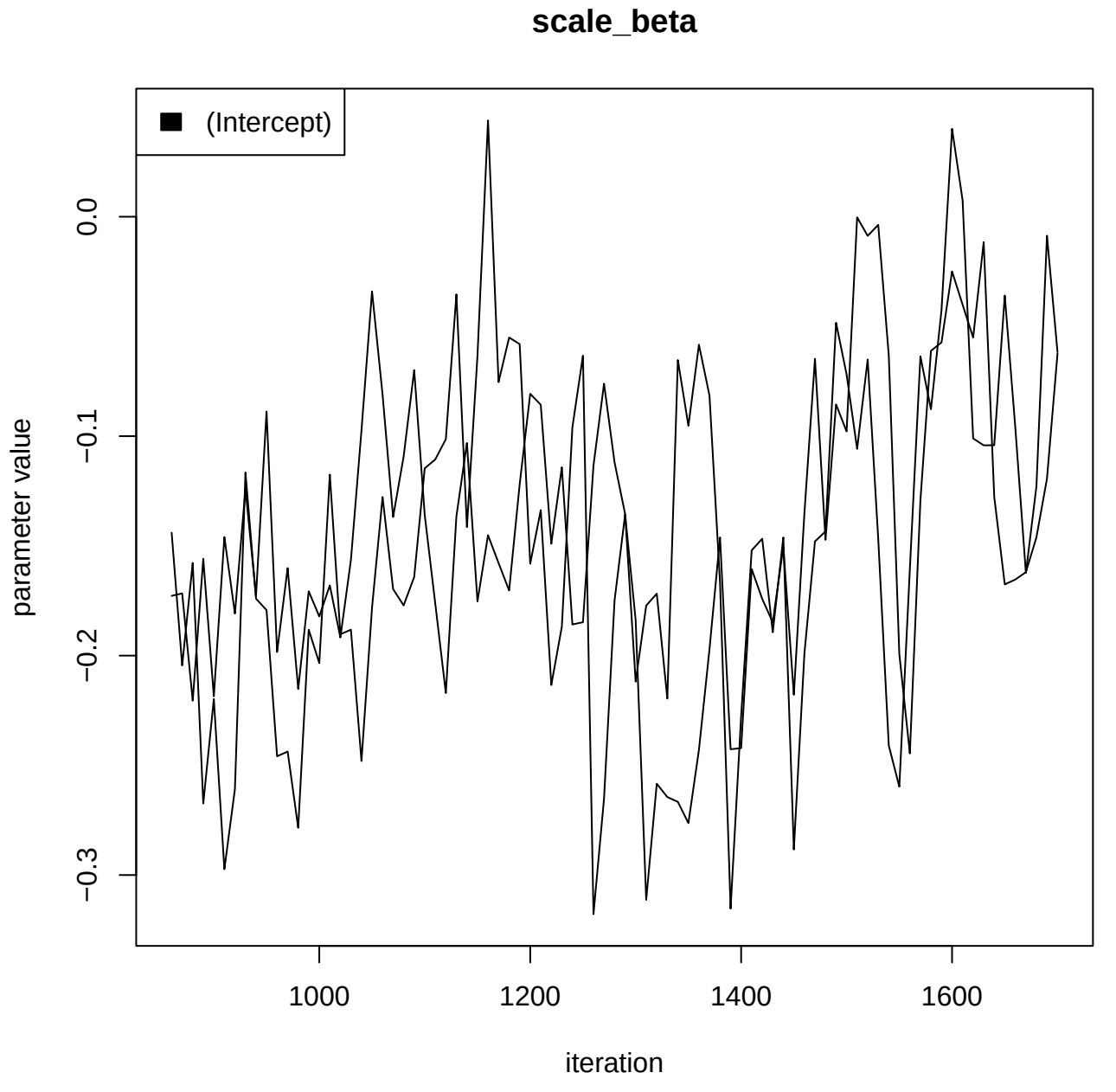
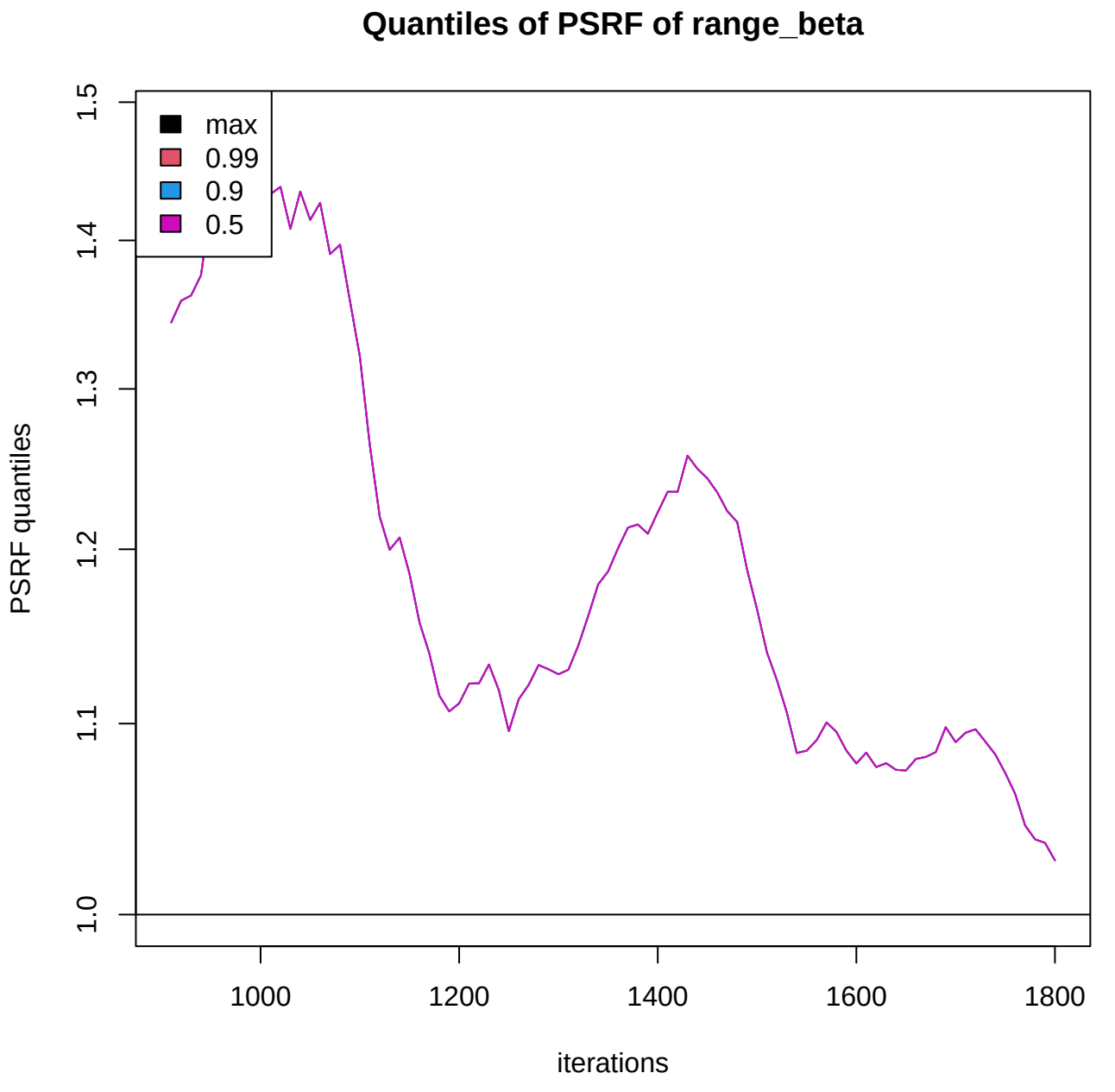
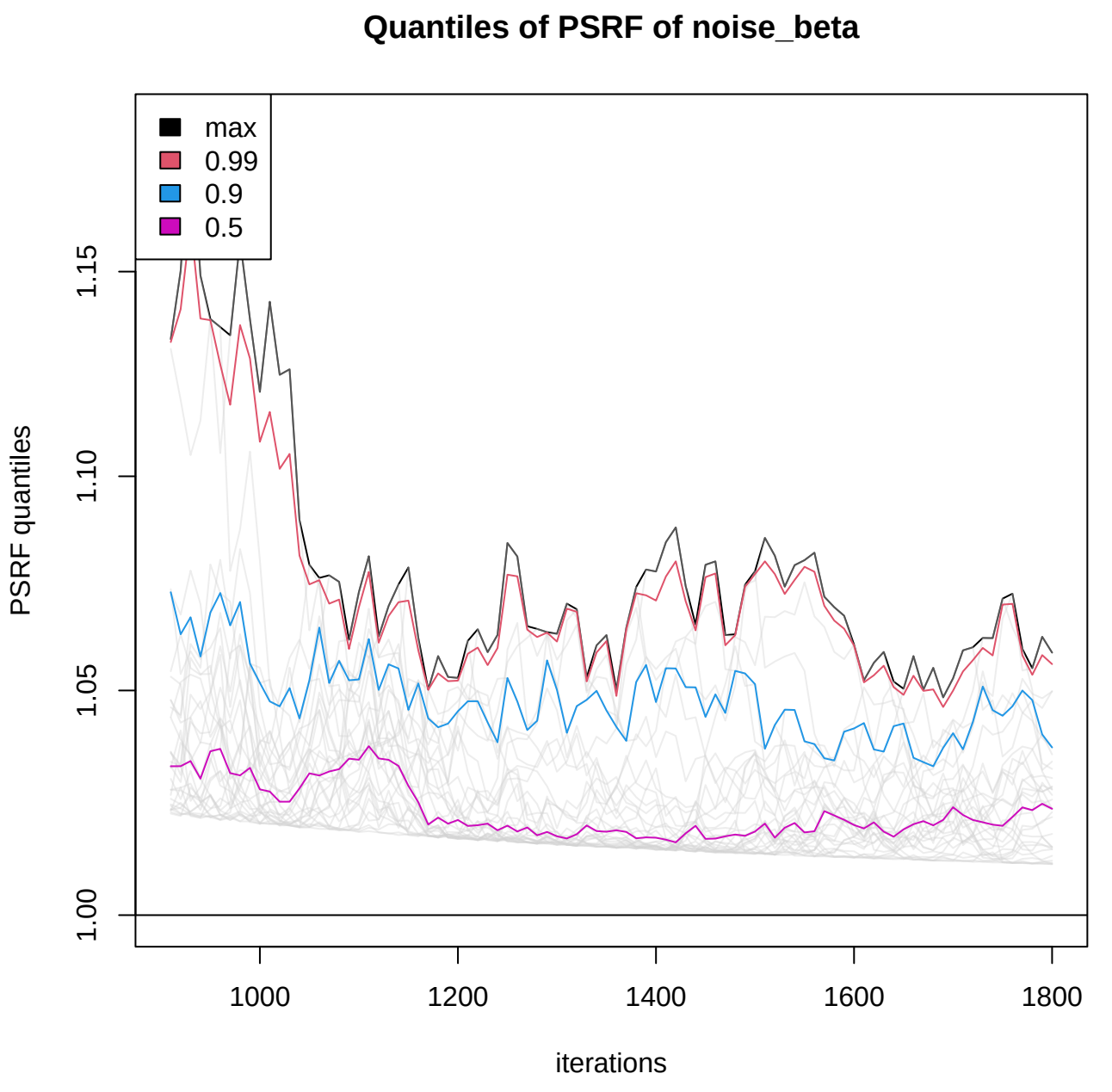
0.2
0.4
0.6
0.8
1.0
1.2
1000
1200
1400
1600
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
1000
1200
1400
1600
iteration


scale_beta
(Intercept)
0.0
−0.1
−0.2
−0.3
parameter value
1000
1200
1400
1600
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1.5
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of noise_beta
max
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PSRF quantiles
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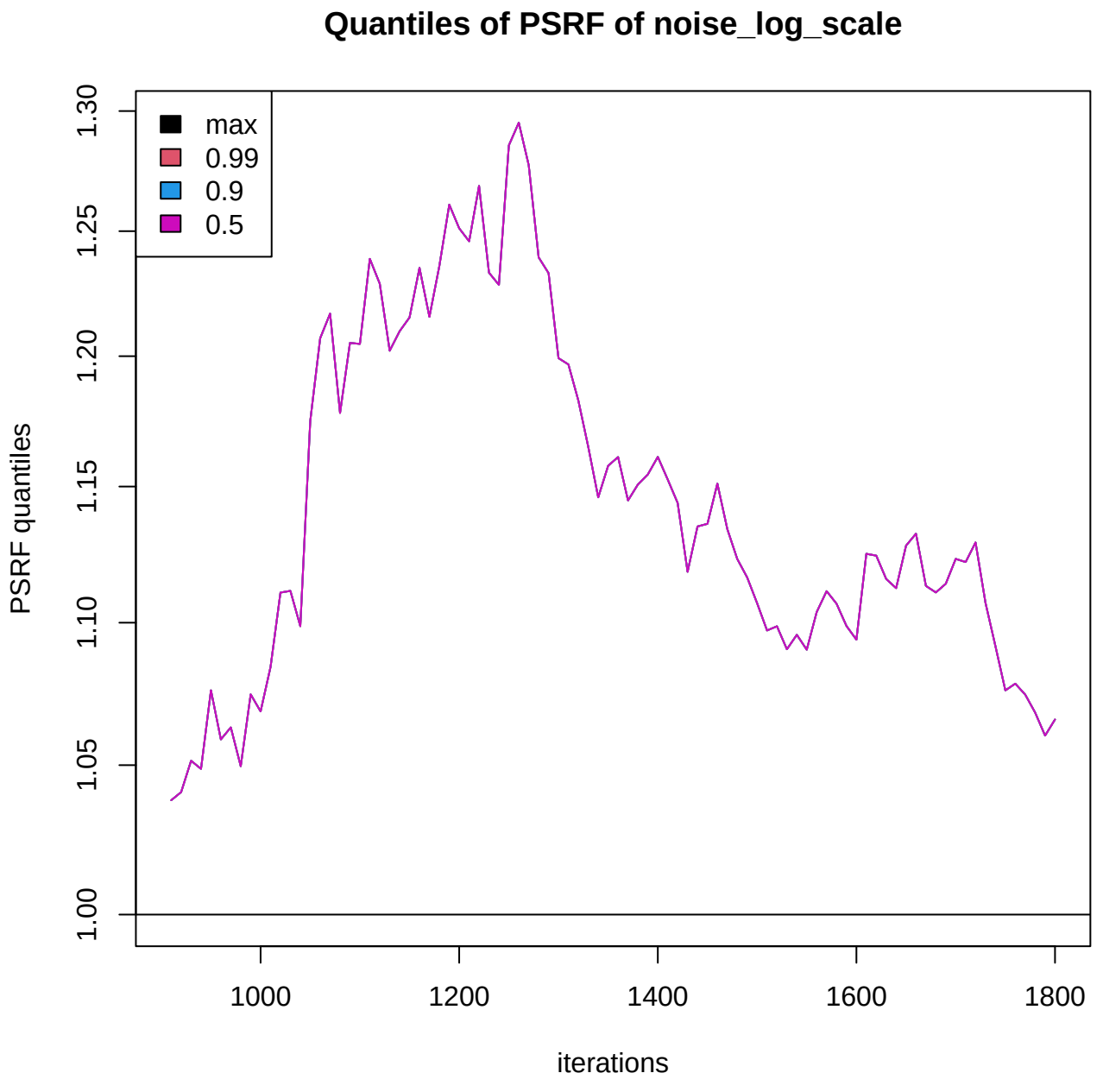
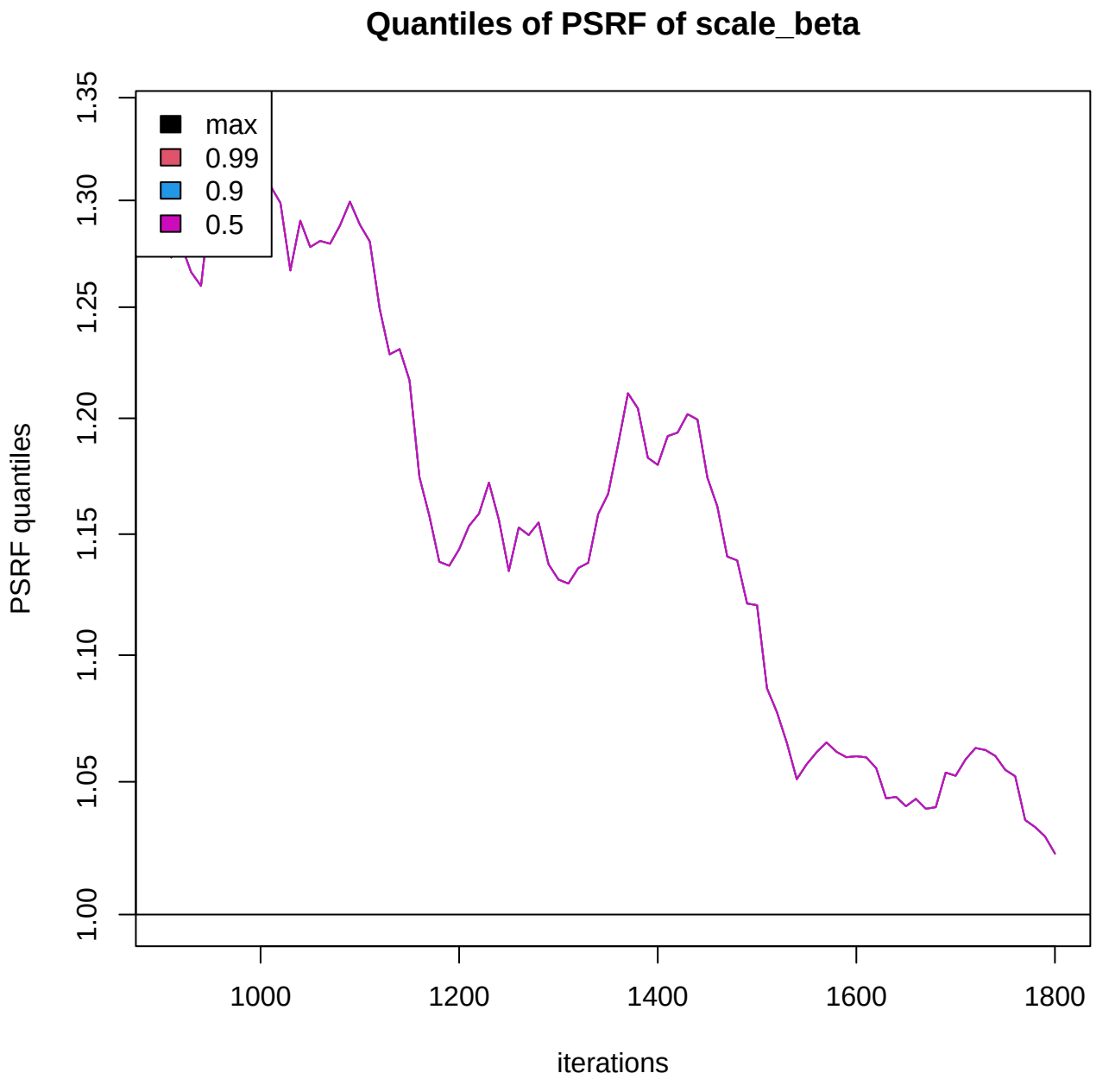
1.05
1.10
1.15
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of scale_beta
max
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0.9
0.5
PSRF quantiles
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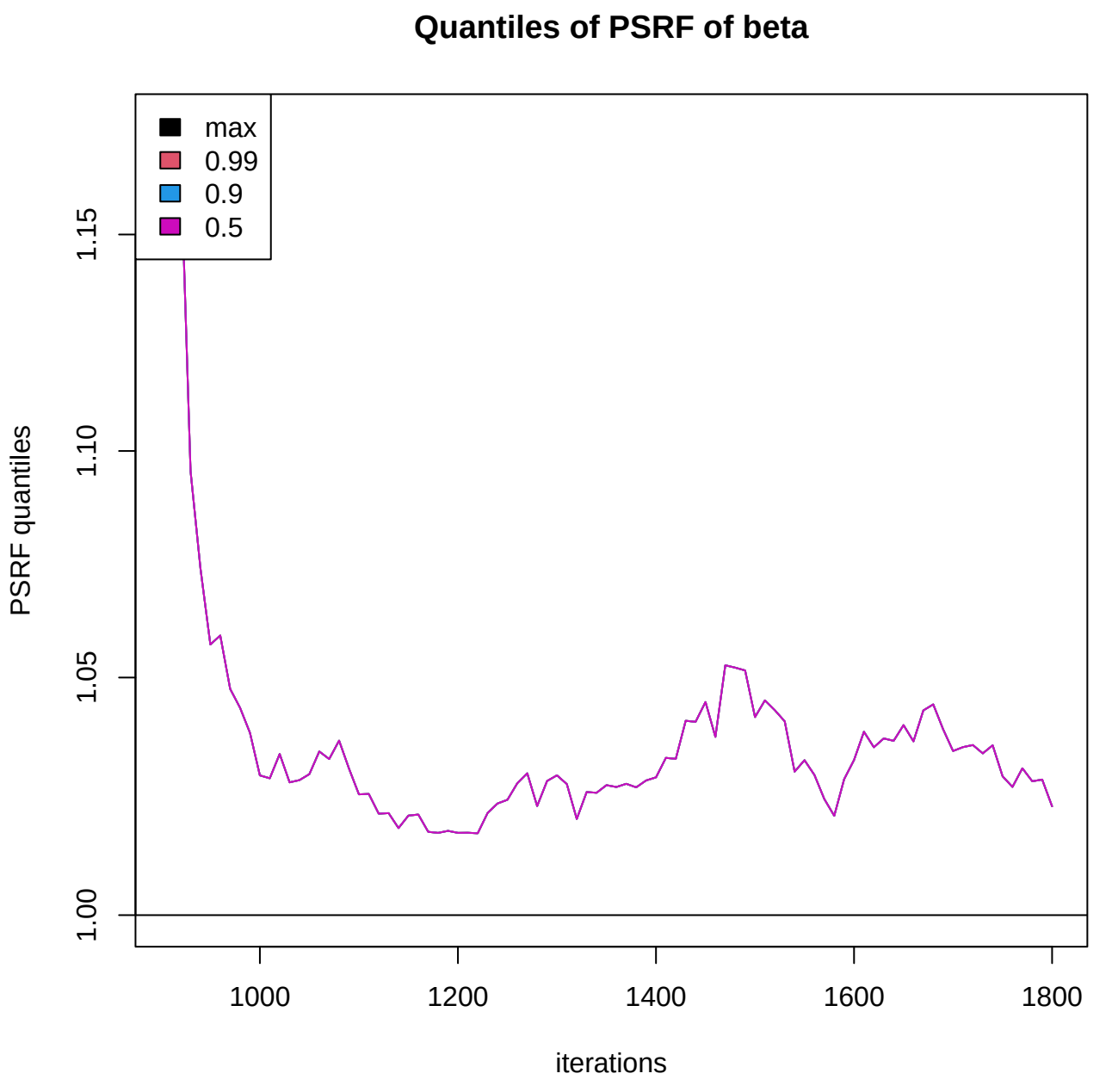
1.05
1.10
1.15
1.20
1.25
1.30
1.35
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of beta
max
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0.9
0.5
PSRF quantiles
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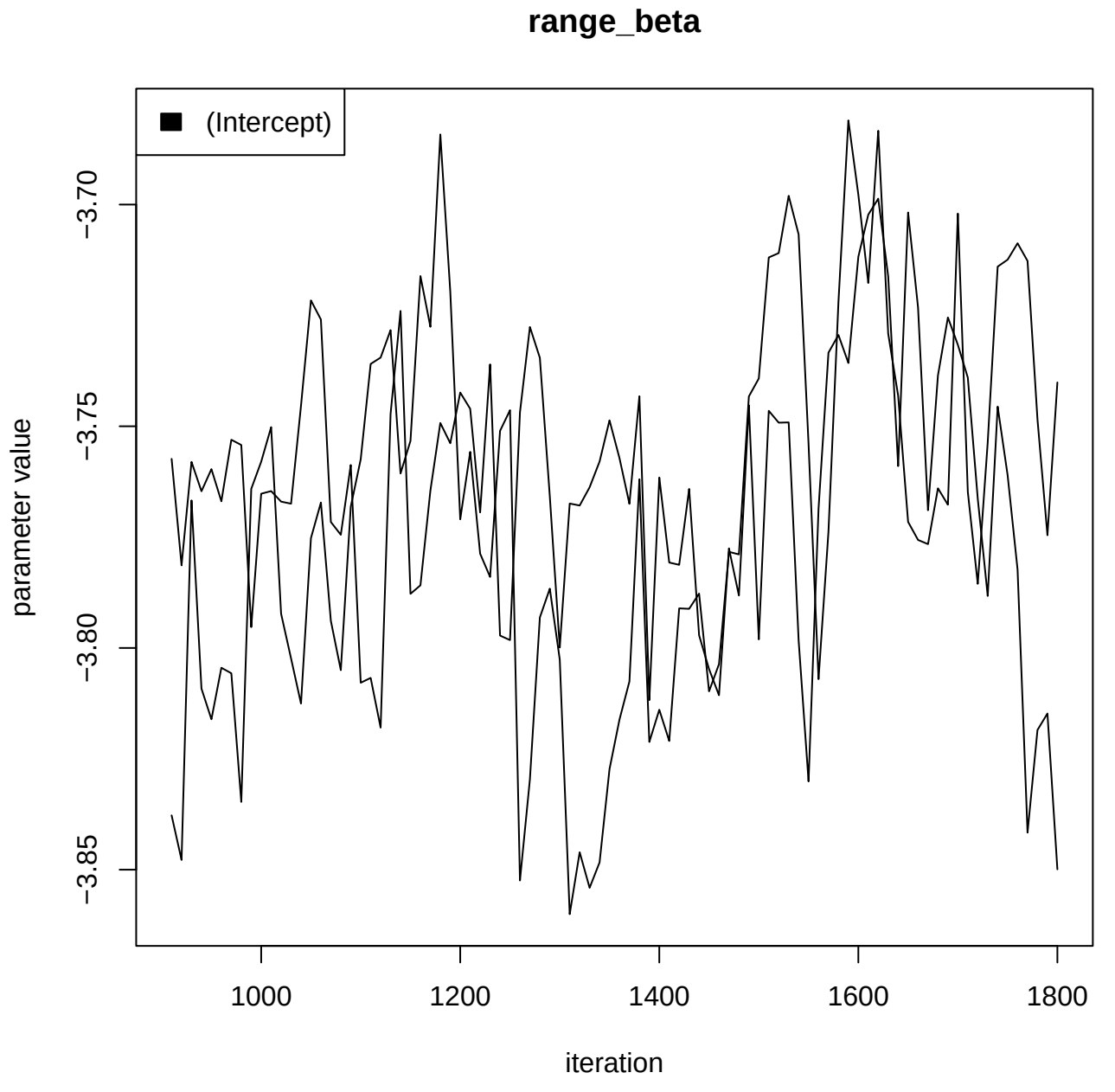
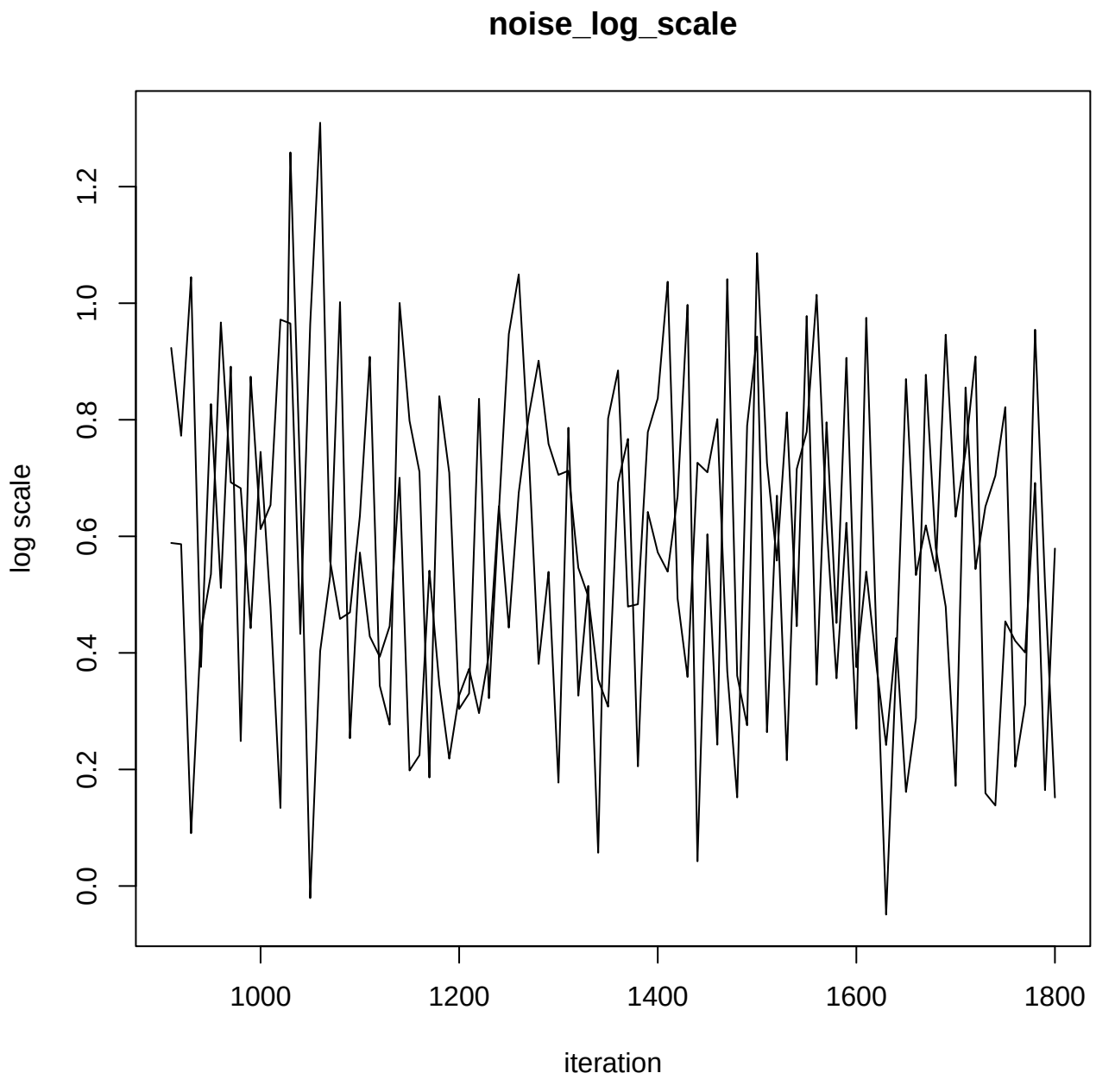
1.05
1.10
1.15
1000
1200
1400
1600
1800
iterations


range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
1000
1200
1400
1600
1800
iteration


noise_log_scale
log scale
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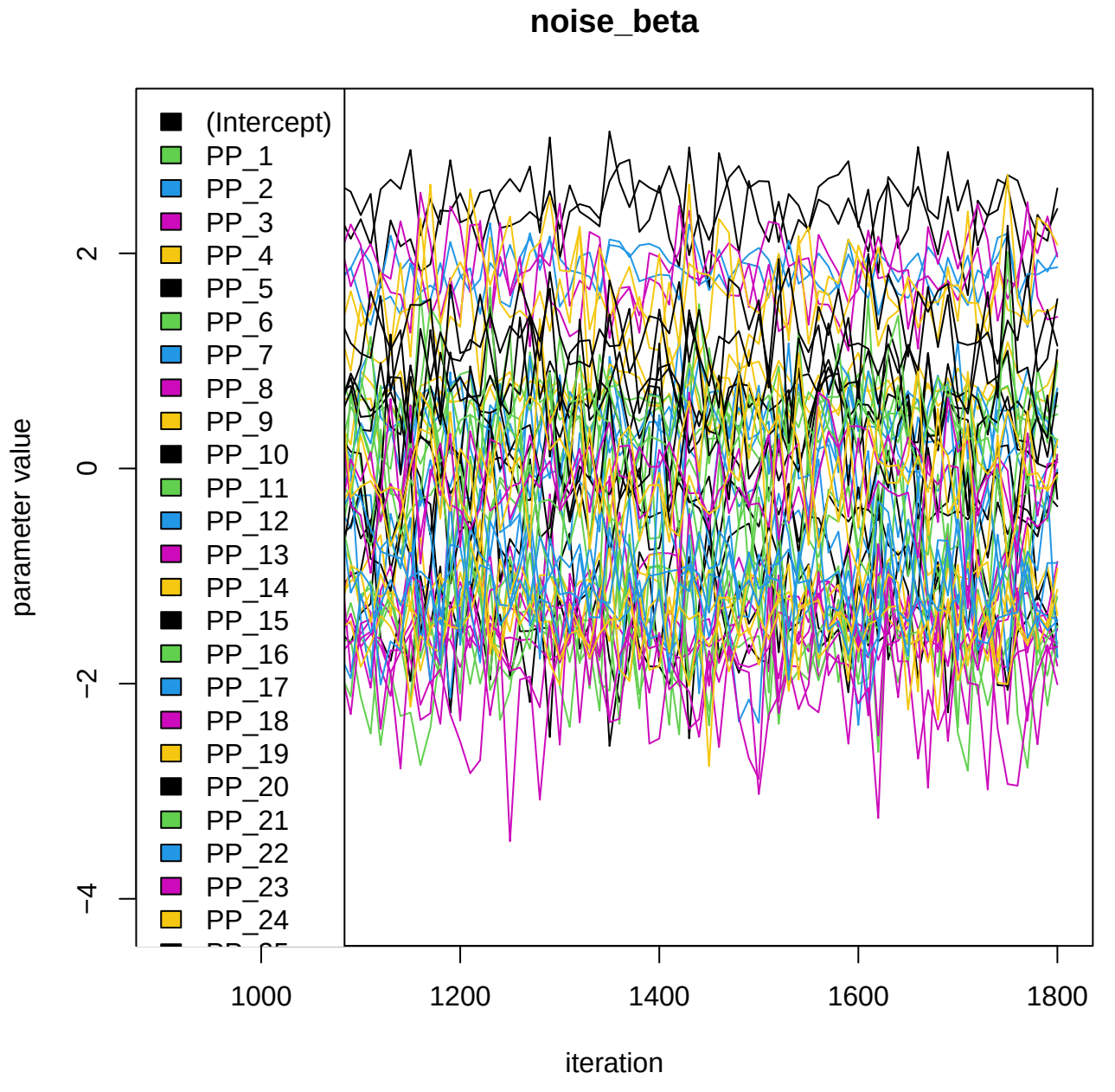
0.2
0.4
0.6
0.8
1.0
1.2
1000
1200
1400
1600
1800
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
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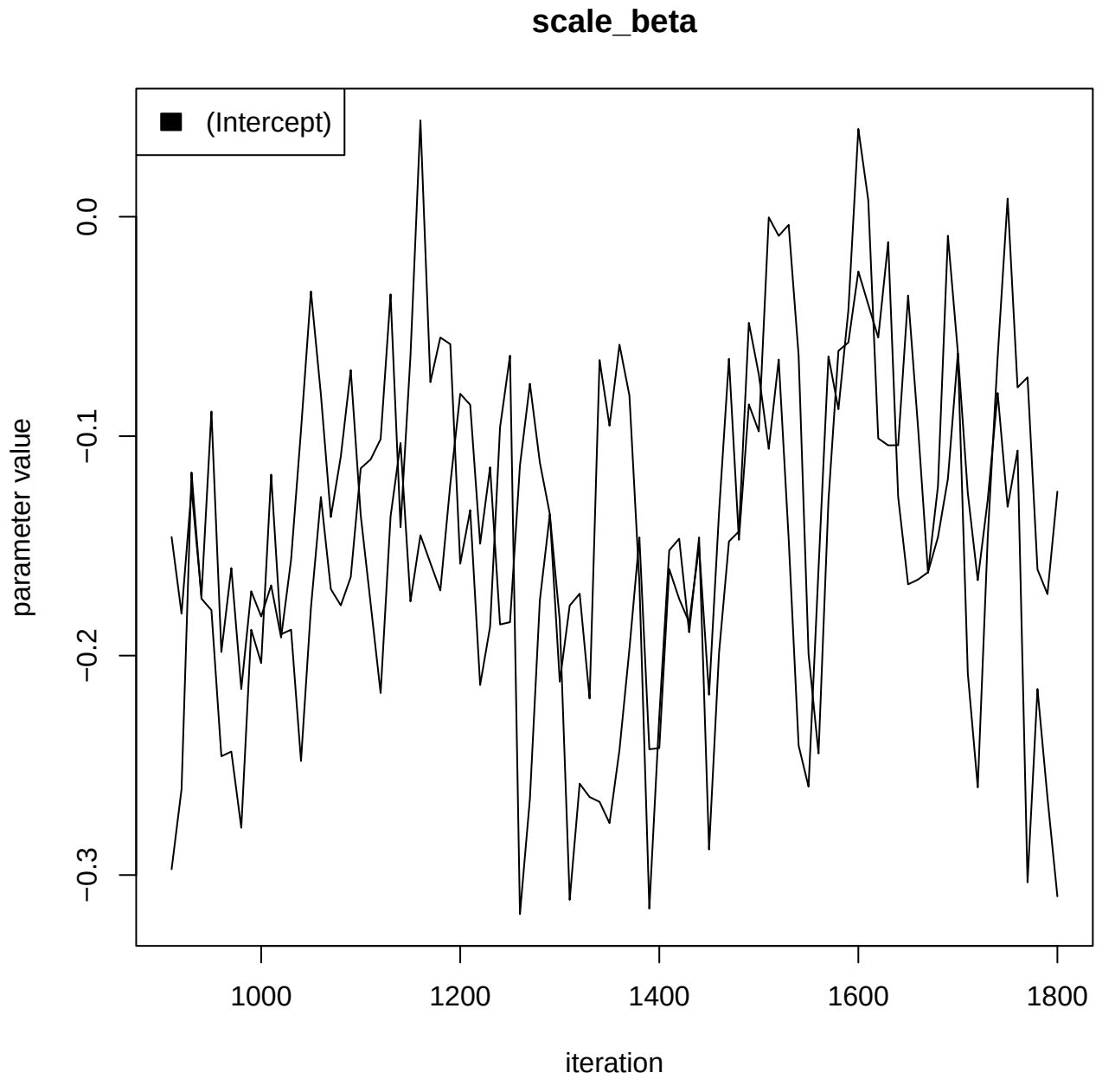
−2
−4
1000
1200
1400
1600
1800
iteration


scale_beta
(Intercept)
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−0.2
−0.3
parameter value
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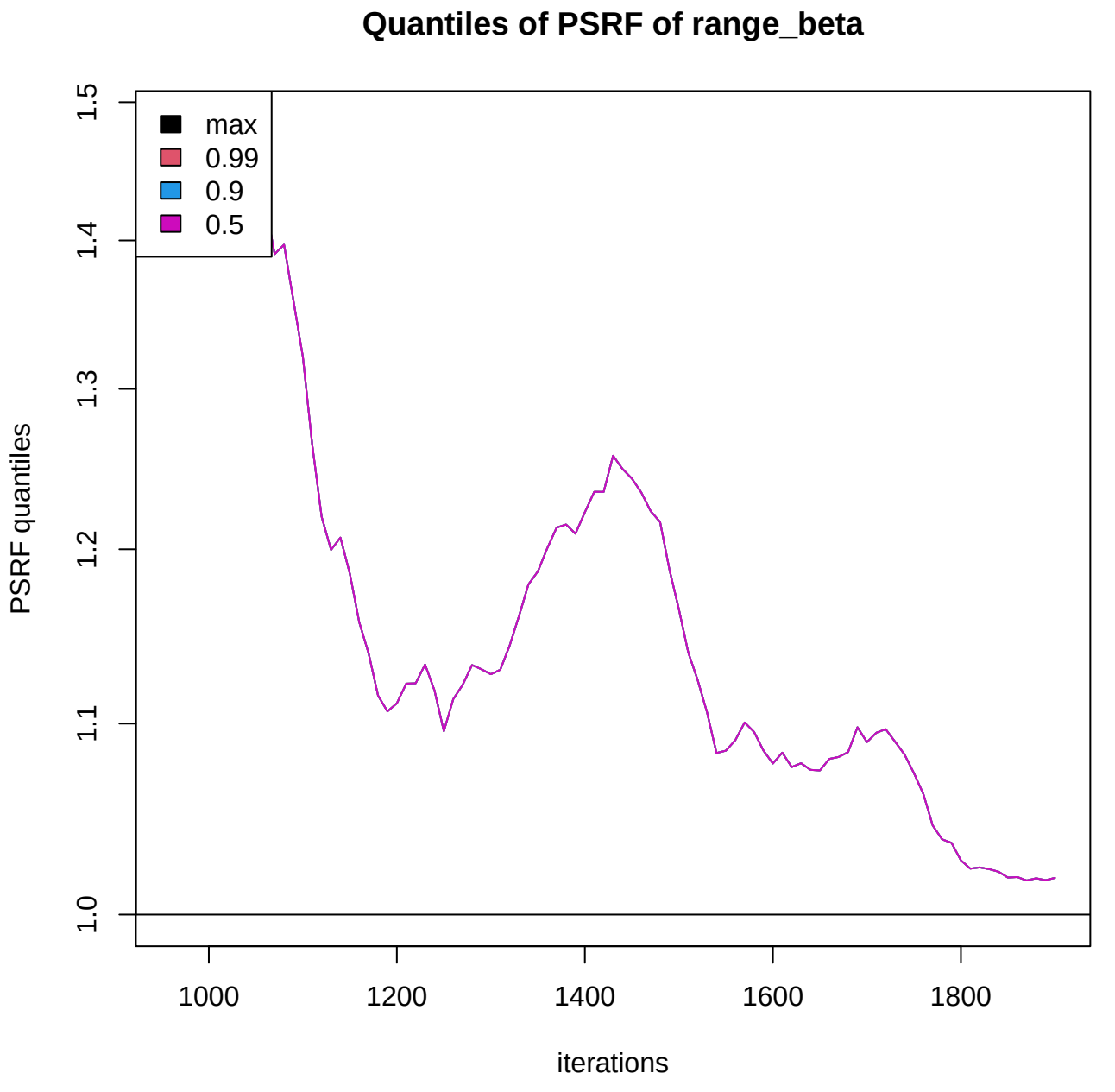
1200
1400
1600
1800
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
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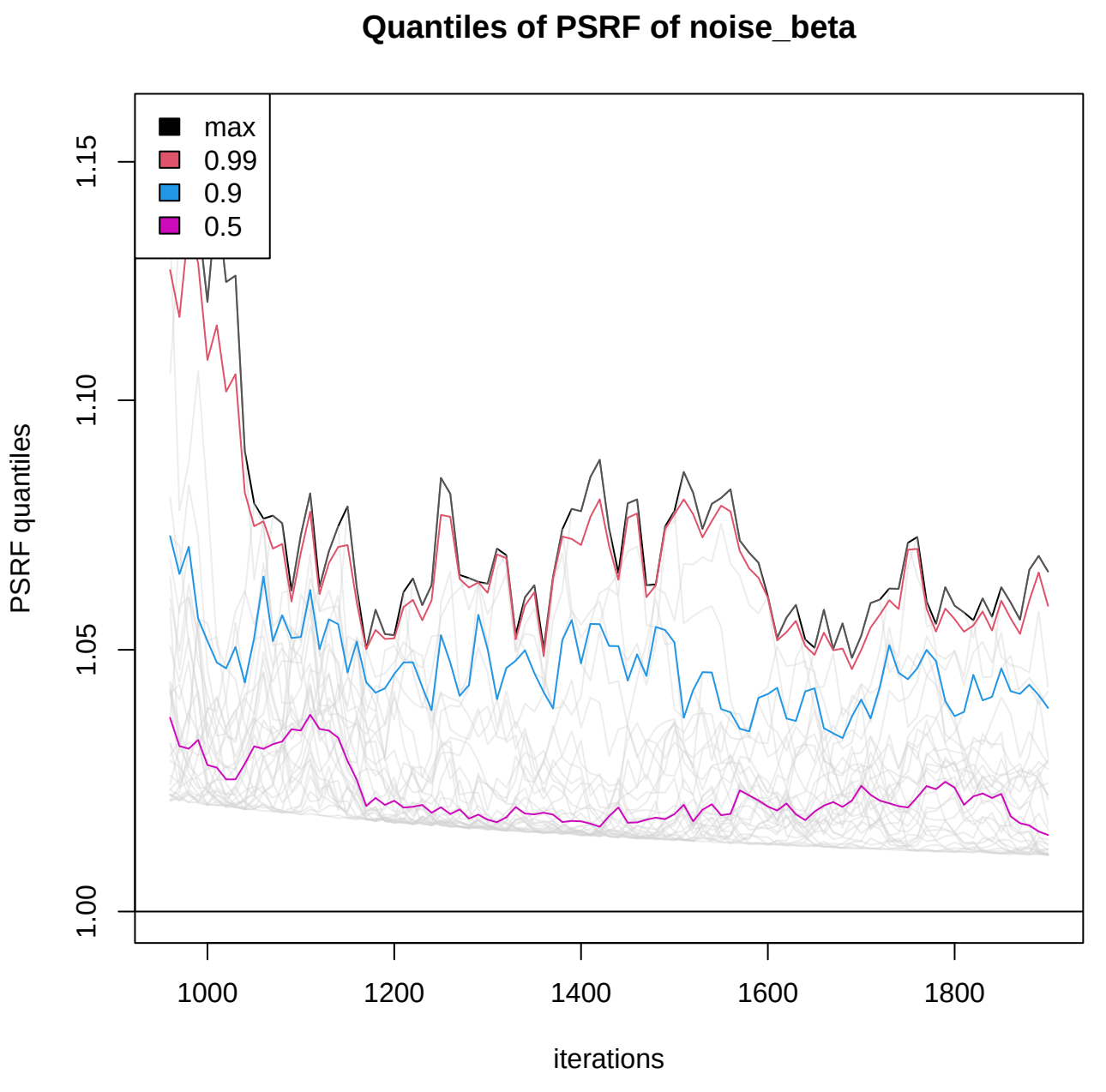
1.1
1.2
1.3
1.4
1.5
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of noise_beta
max
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0.5
PSRF quantiles
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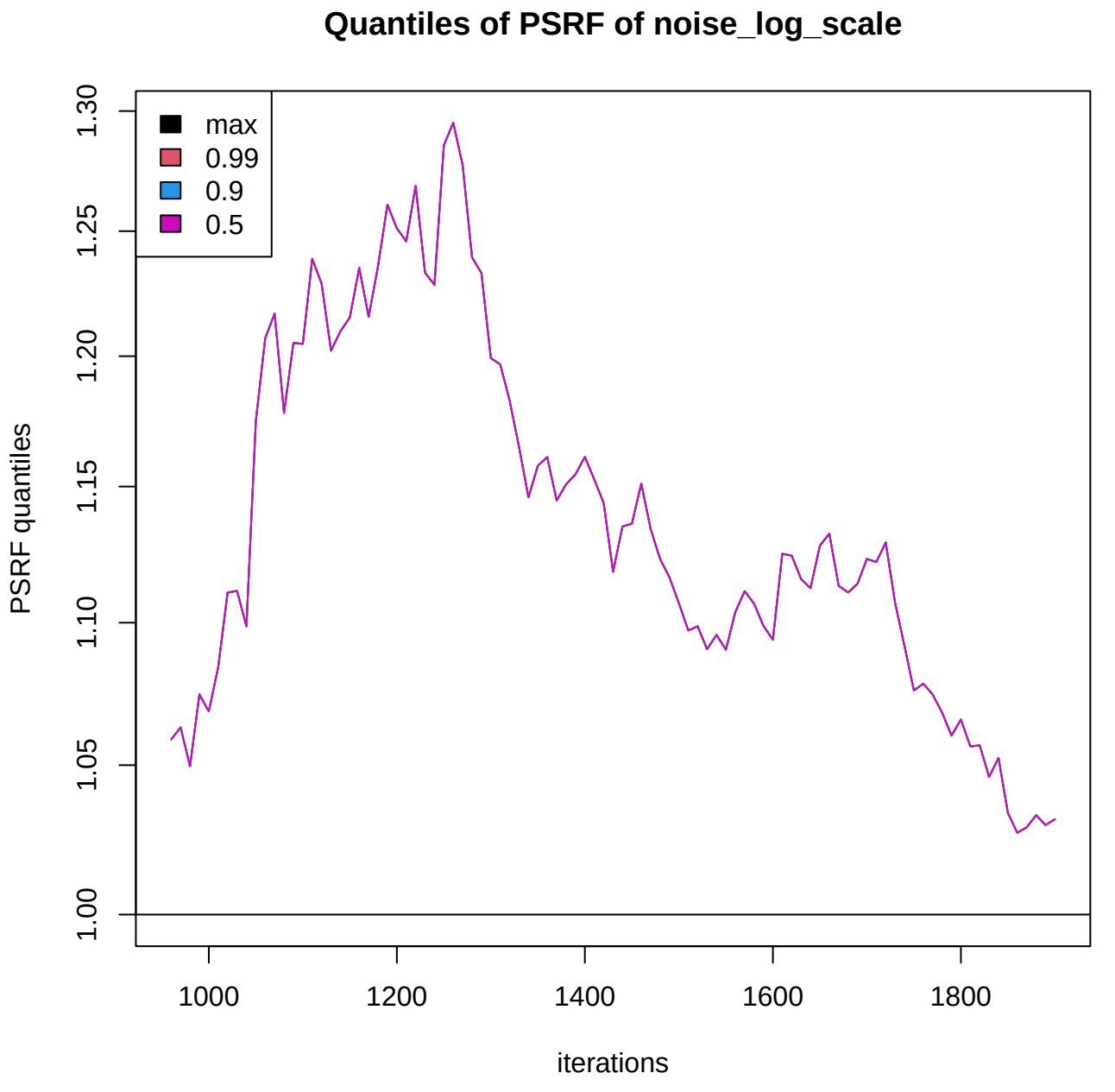
1.05
1.10
1.15
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of noise_log_scale
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0.9
0.5
PSRF quantiles
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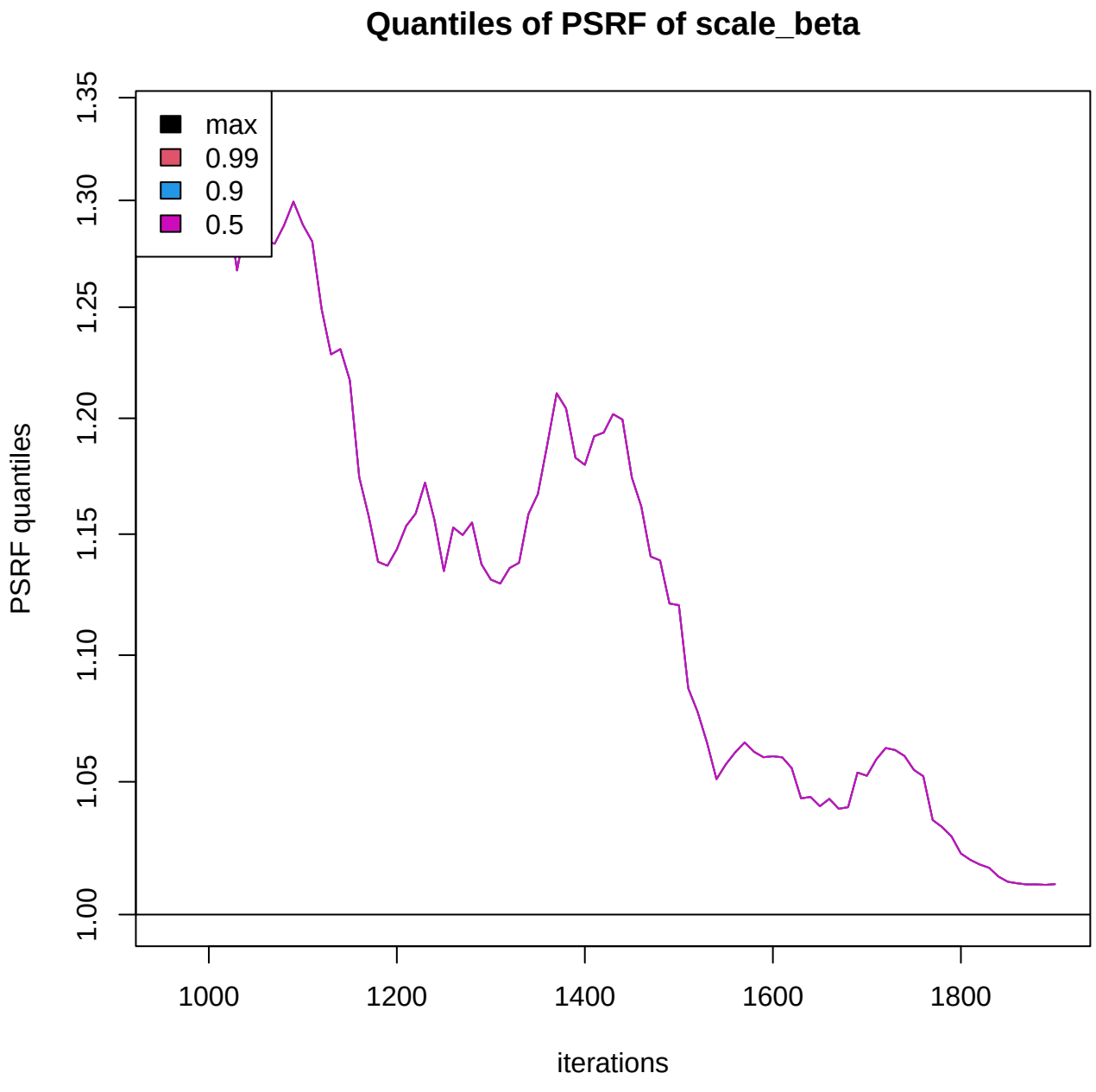
1.05
1.10
1.15
1.20
1.25
1.30
1000
1200
1400
1600
1800
iterations


Quantiles of PSRF of scale_beta
max
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0.5
PSRF quantiles
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1.10
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1.30
1.35
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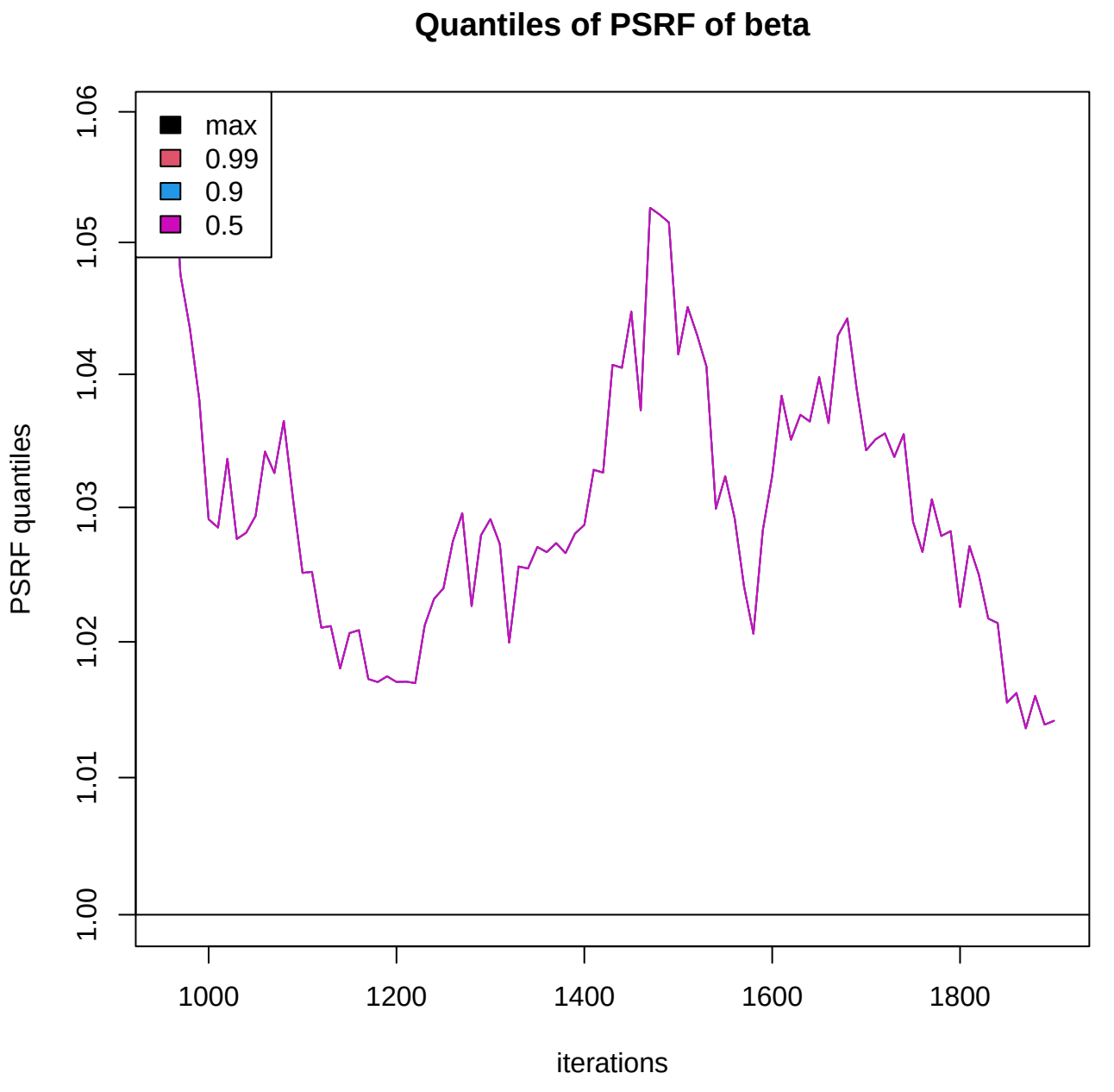
1600
1800
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
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1.01
1.02
1.03
1.04
1.05
1.06
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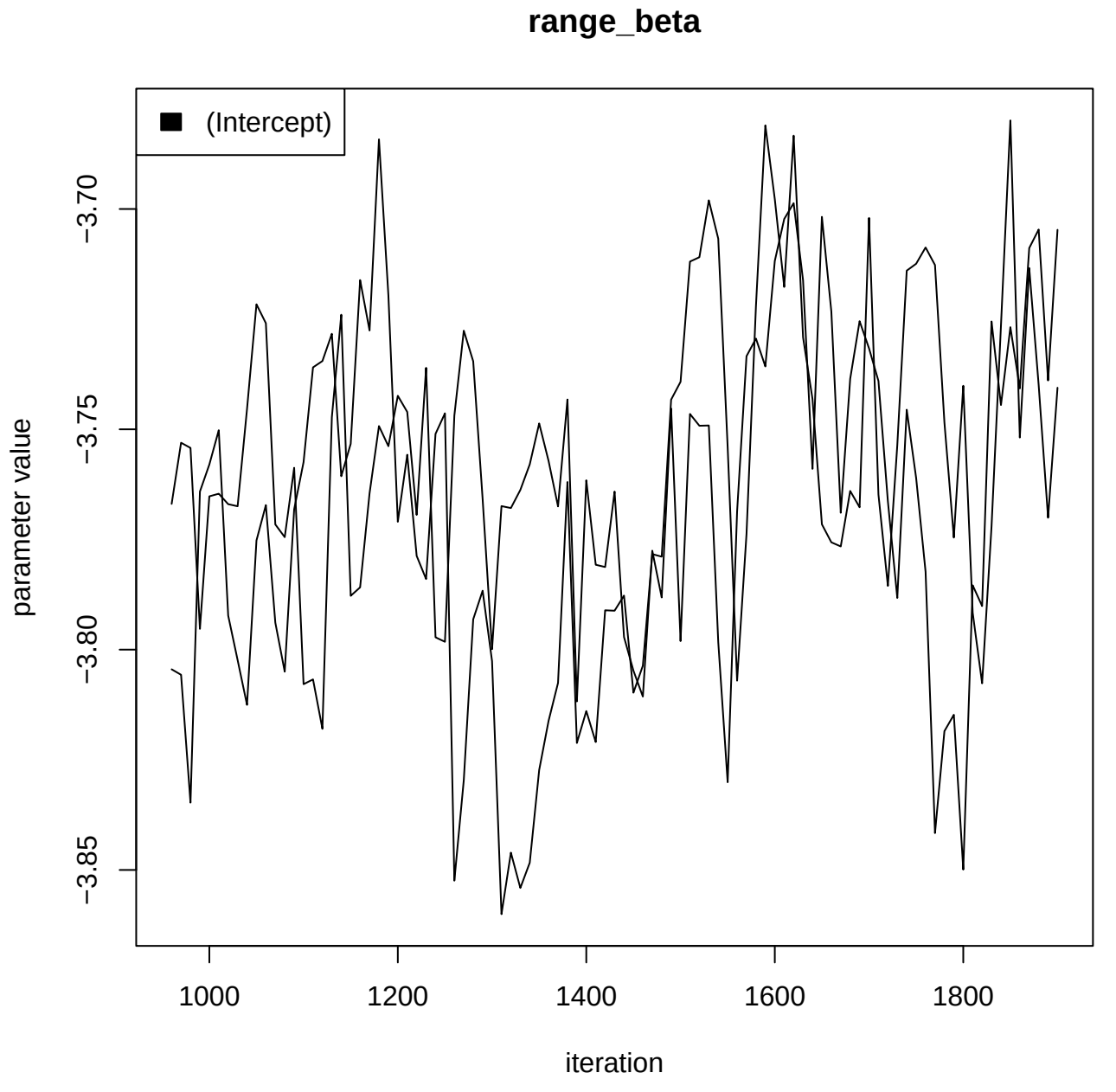
1400
1600
1800
iterations


range_beta
(Intercept)
parameter value
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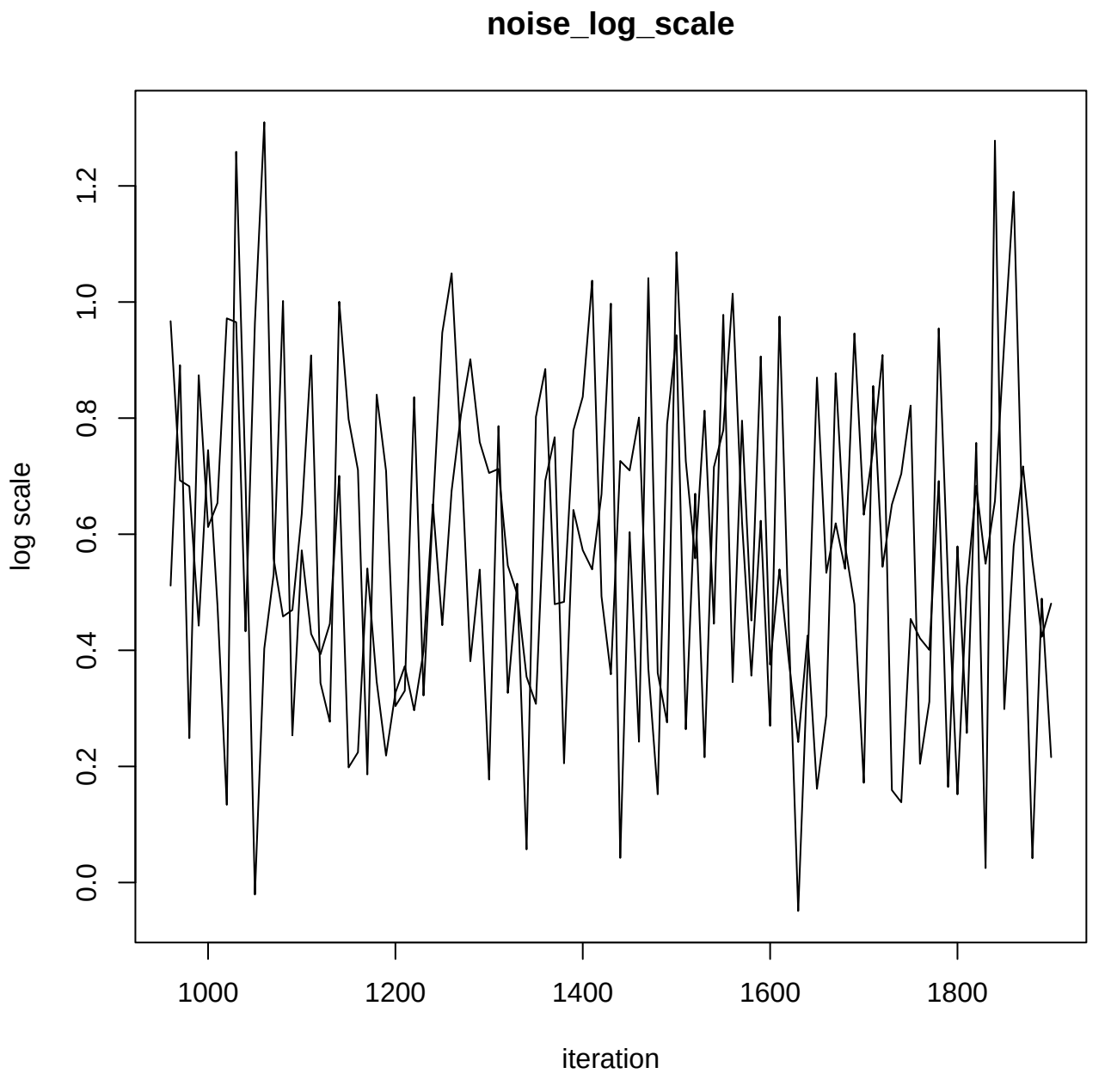
−3.75
−3.80
−3.85
1000
1200
1400
1600
1800
iteration


noise_log_scale
log scale
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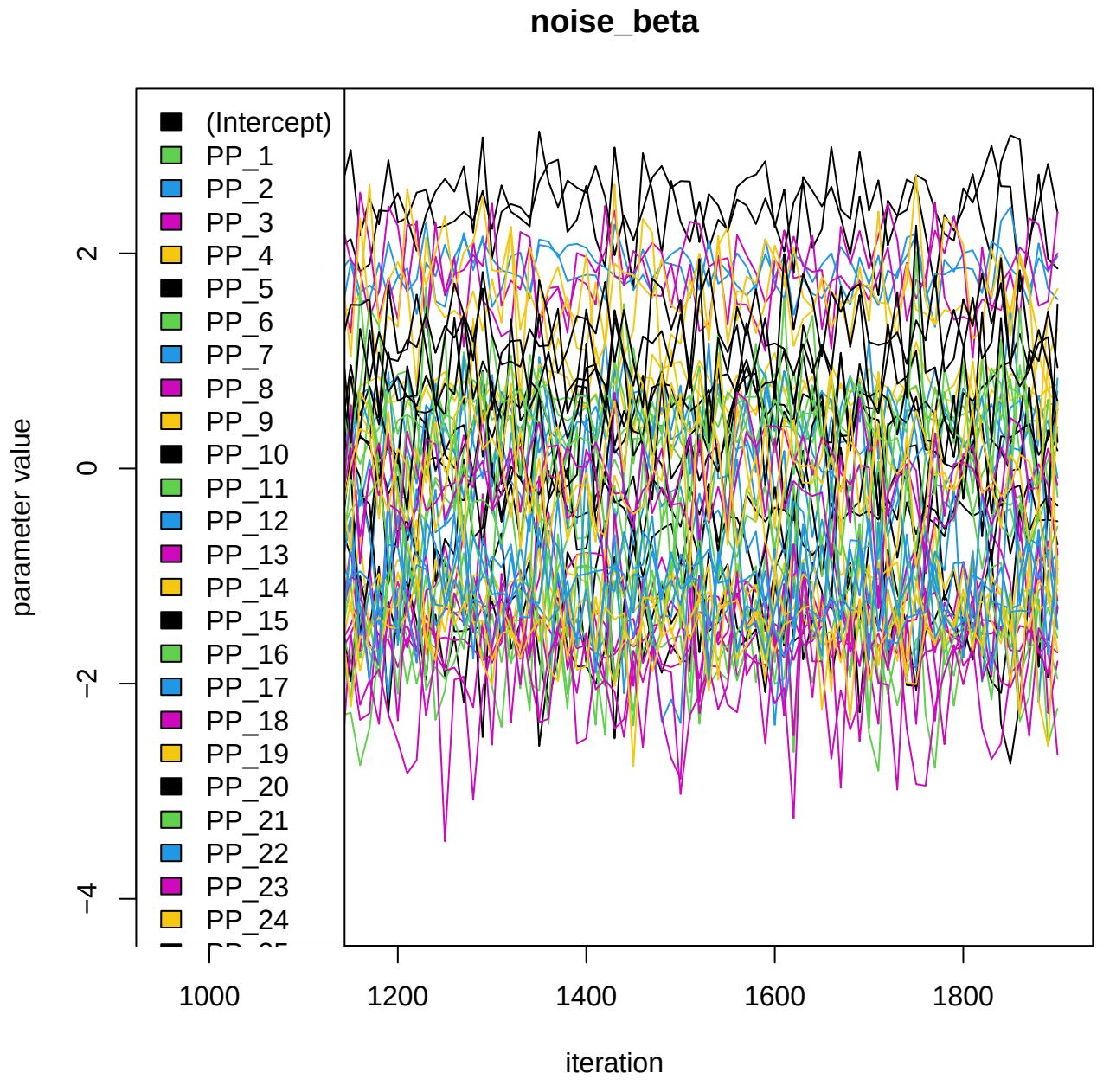
0.4
0.6
0.8
1.0
1.2
1000
1200
1400
1600
1800
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
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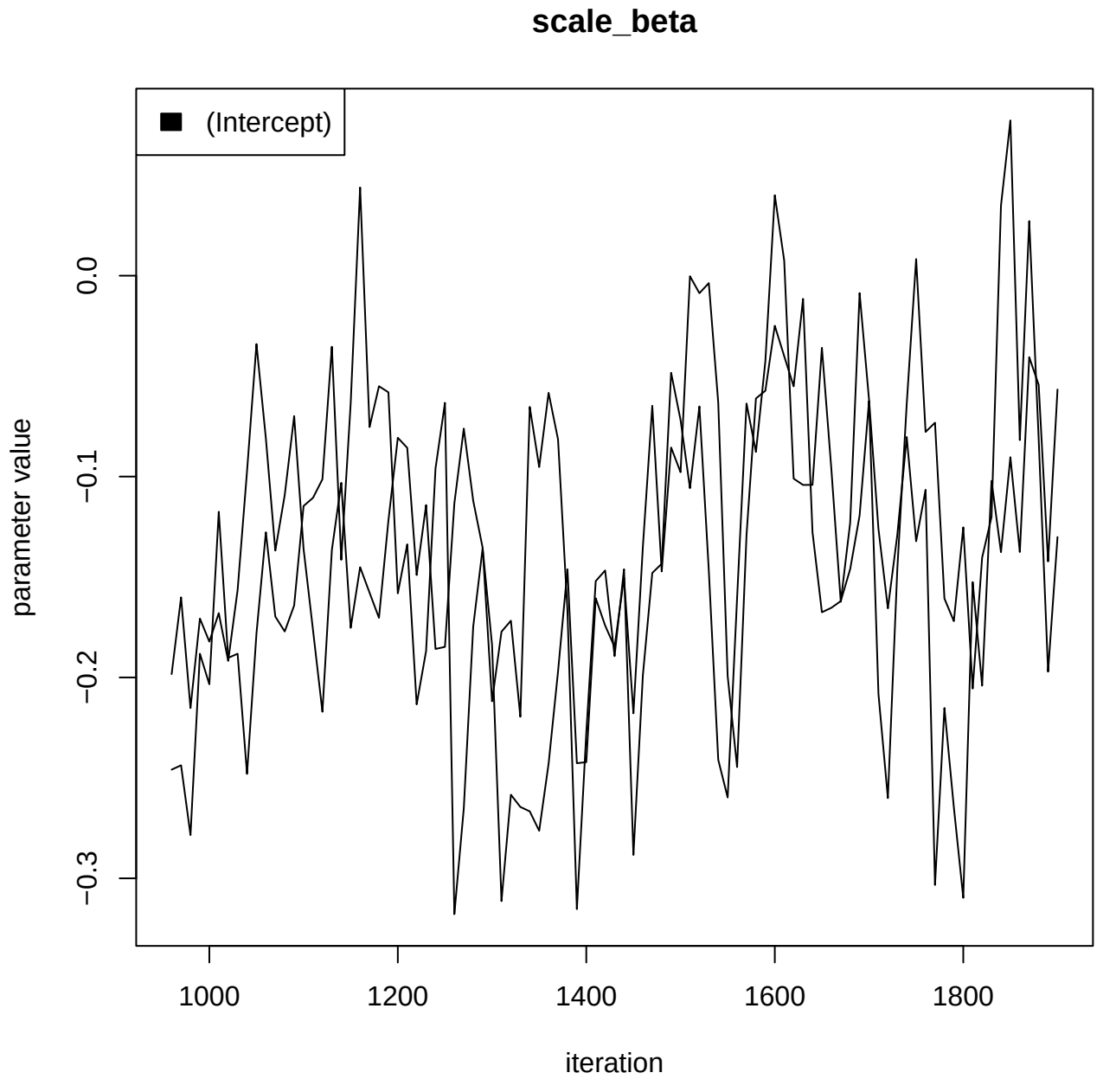
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
1000
1200
1400
1600
1800
iteration


scale_beta
(Intercept)
parameter value
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−0.1
−0.2
−0.3
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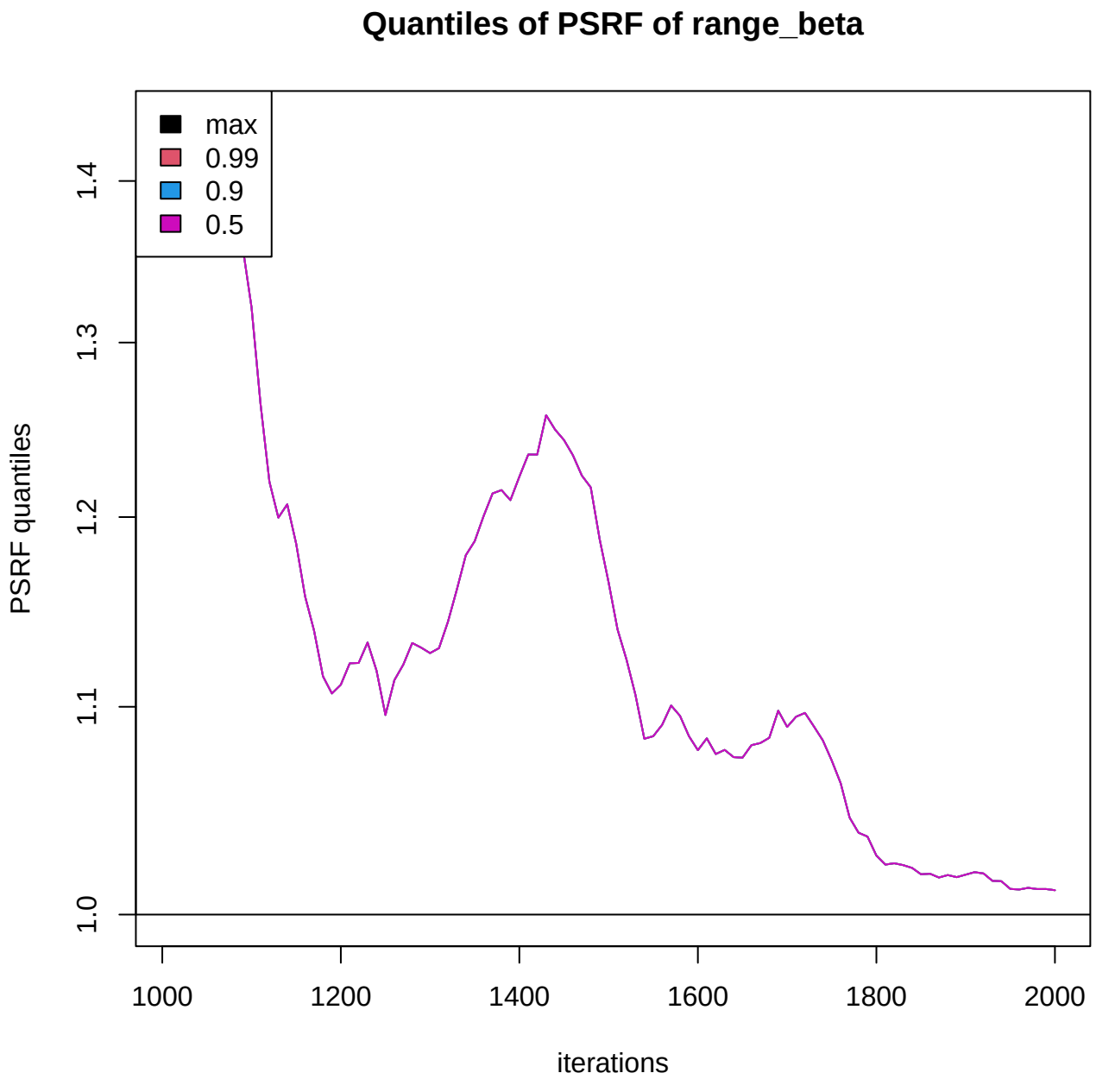
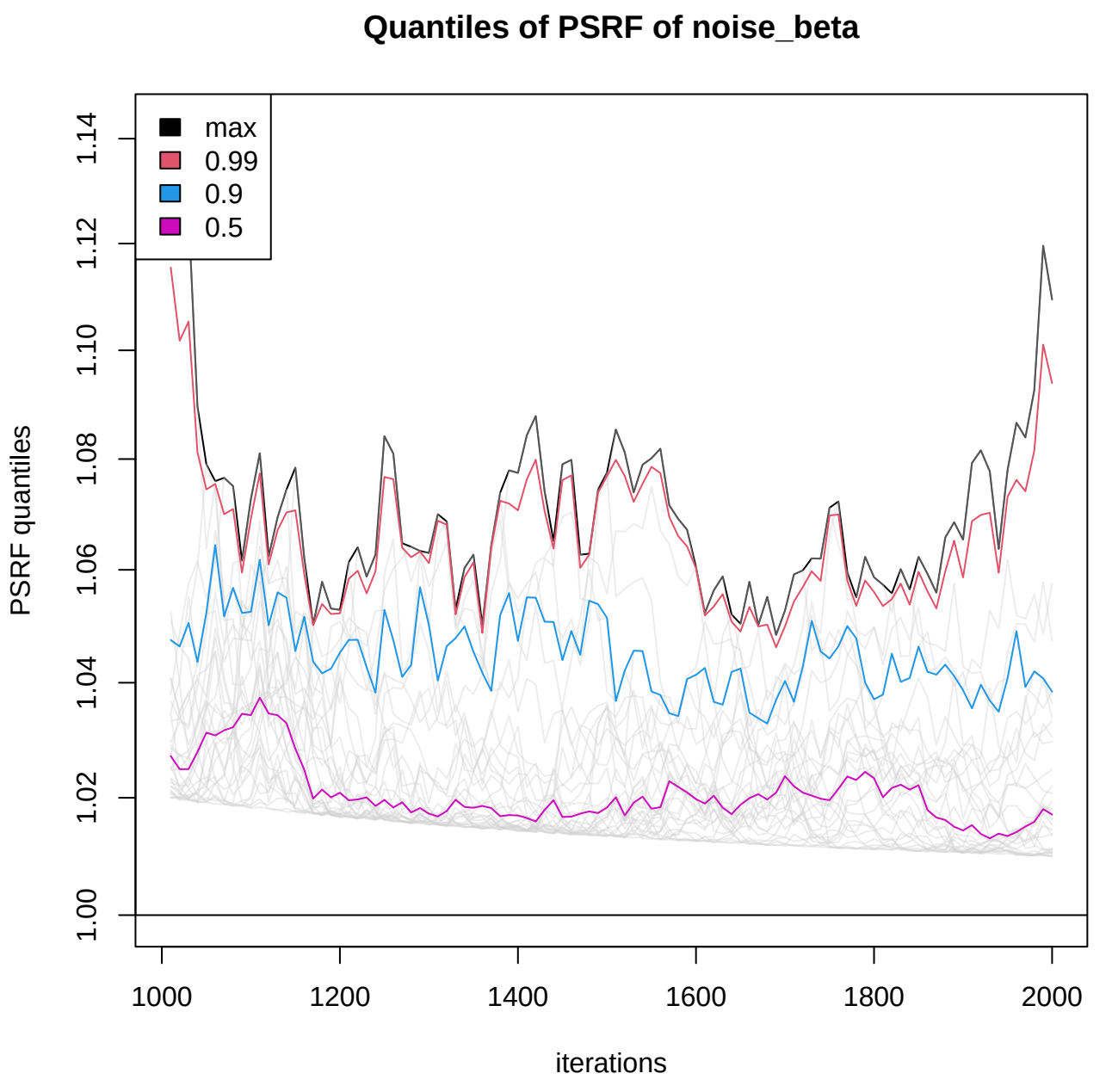
1200
1400
1600
1800
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
1000
1200
1400
1600
1800
2000
iterations


Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
1.08
1.10
1.12
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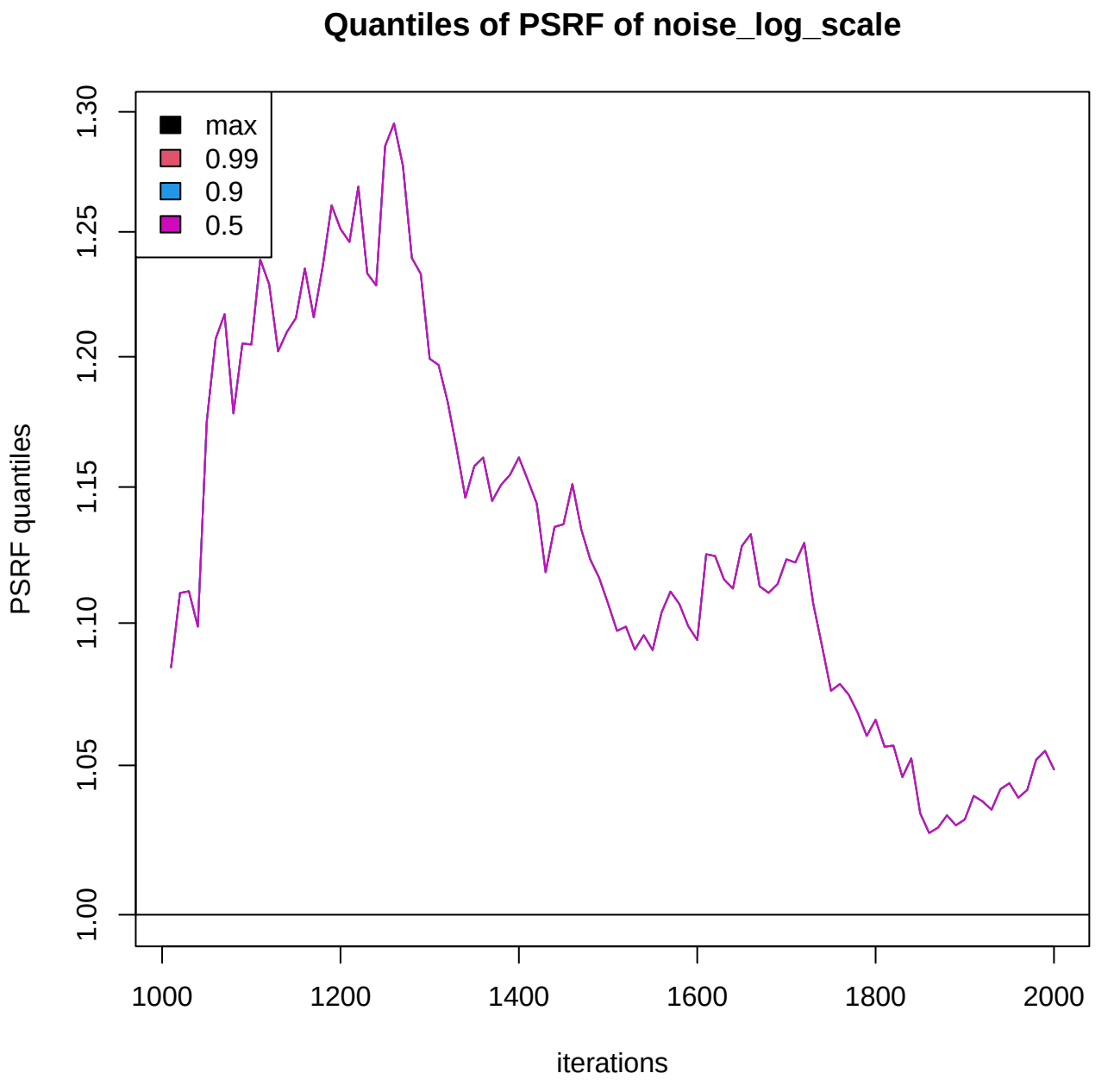
1600
1800
2000
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
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1.10
1.15
1.20
1.25
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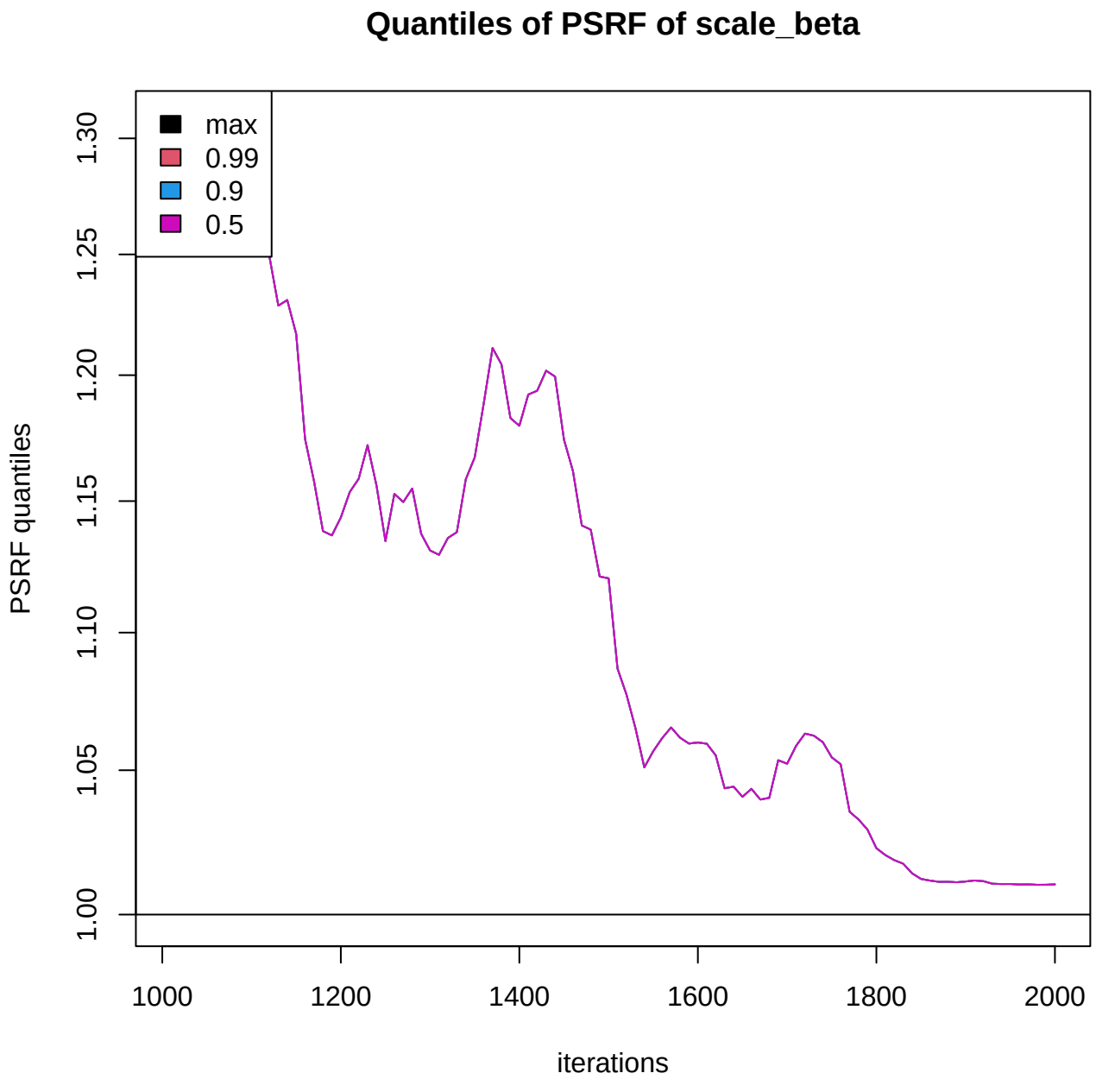
1000
1200
1400
1600
1800
2000
iterations


Quantiles of PSRF of scale_beta
max
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0.9
0.5
PSRF quantiles
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1.25
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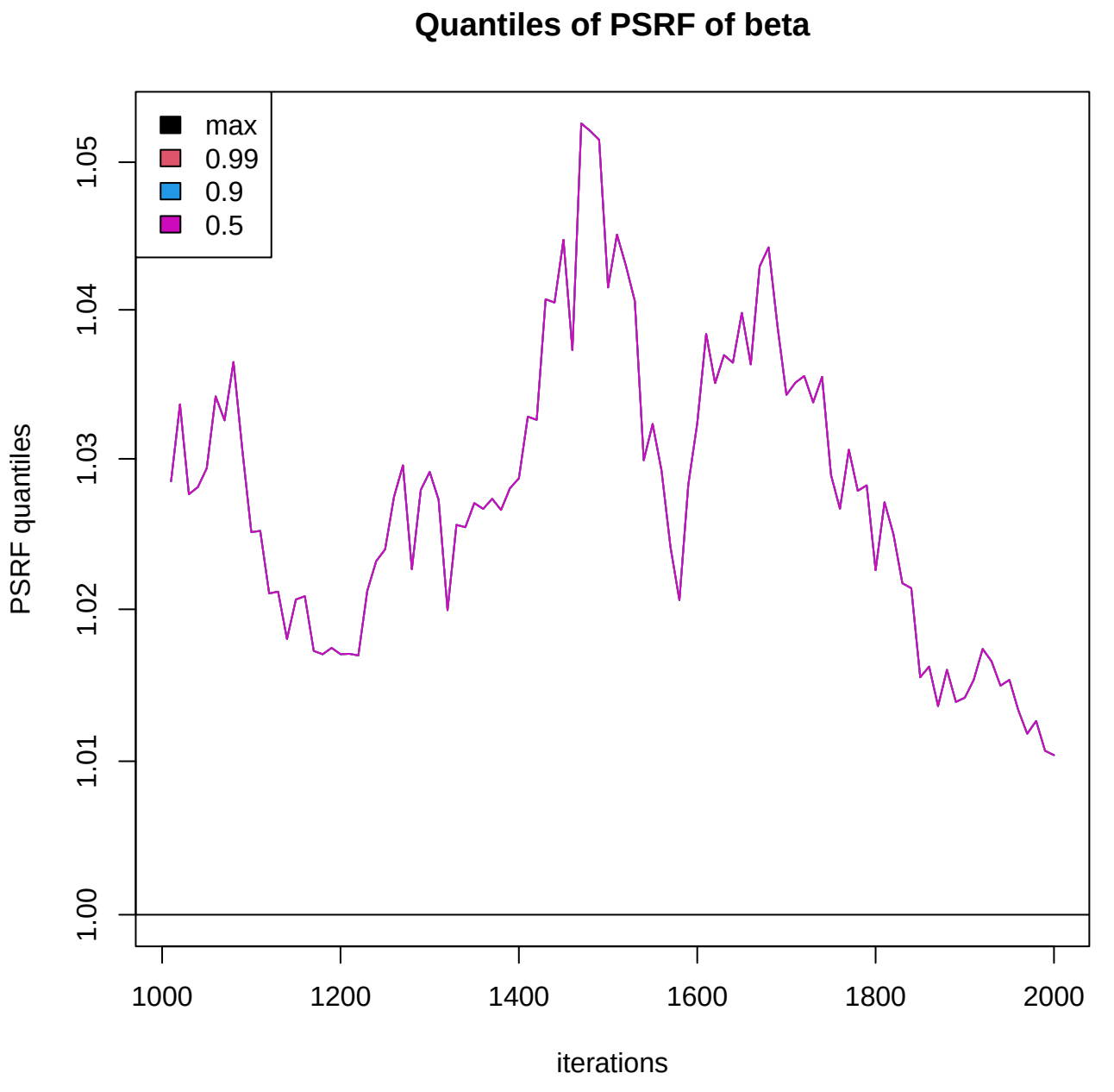
1600
1800
2000
iterations


Quantiles of PSRF of beta
max
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0.5
PSRF quantiles
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1.01
1.02
1.03
1.04
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1000
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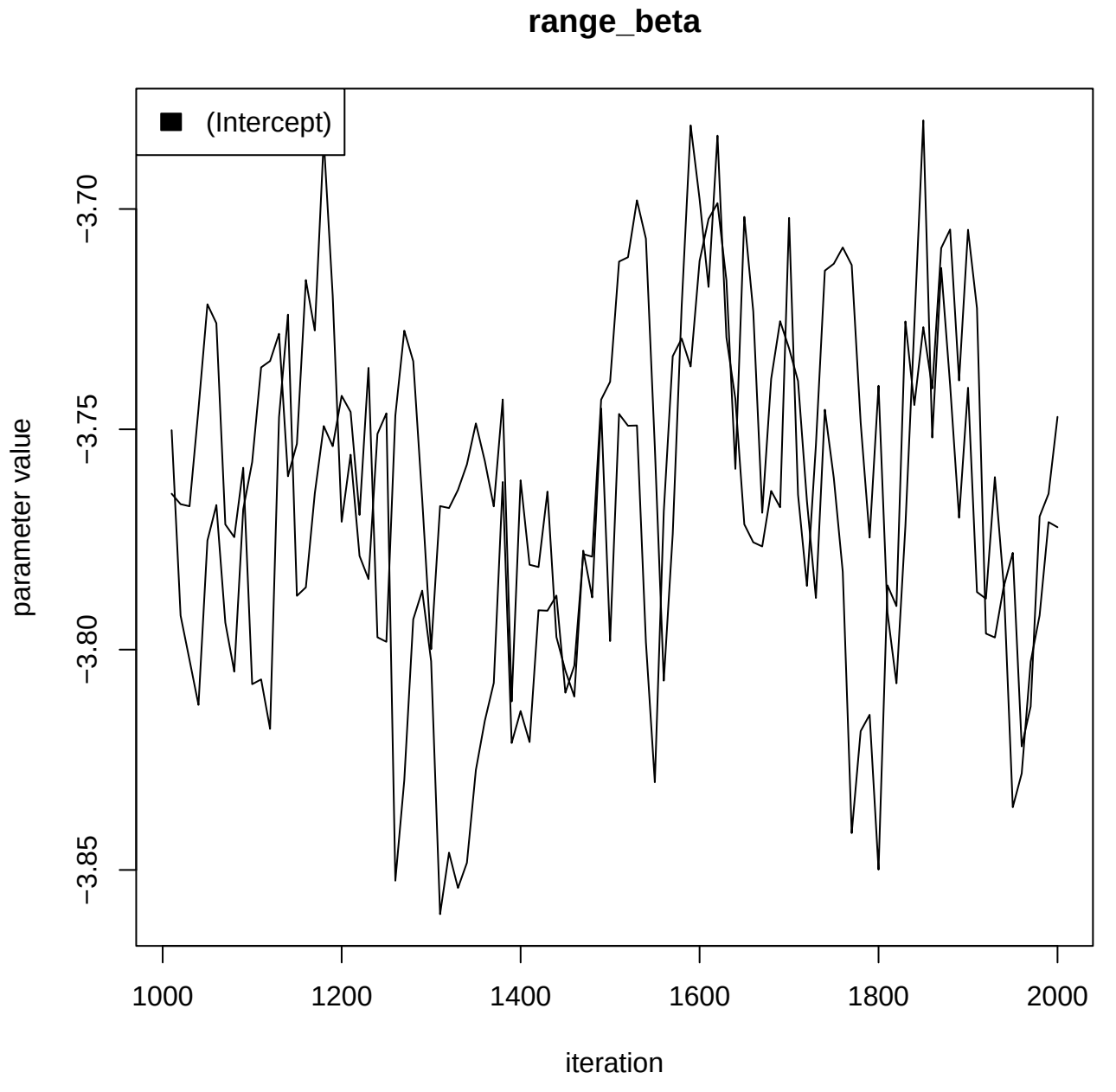
1600
1800
2000
iterations


range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
1000
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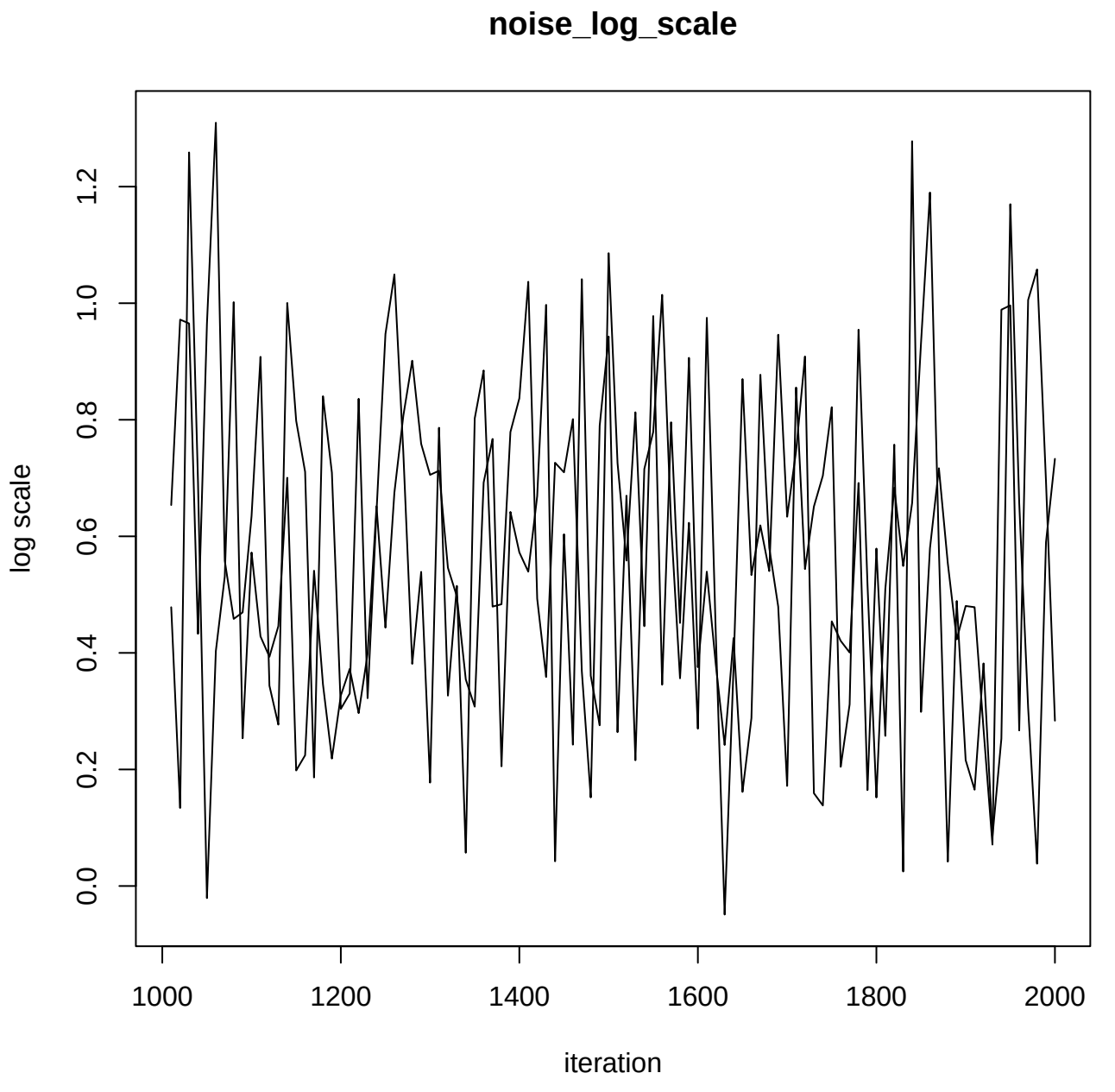
1400
1600
1800
2000
iteration


noise_log_scale
log scale
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0.4
0.6
0.8
1.0
1.2
1000
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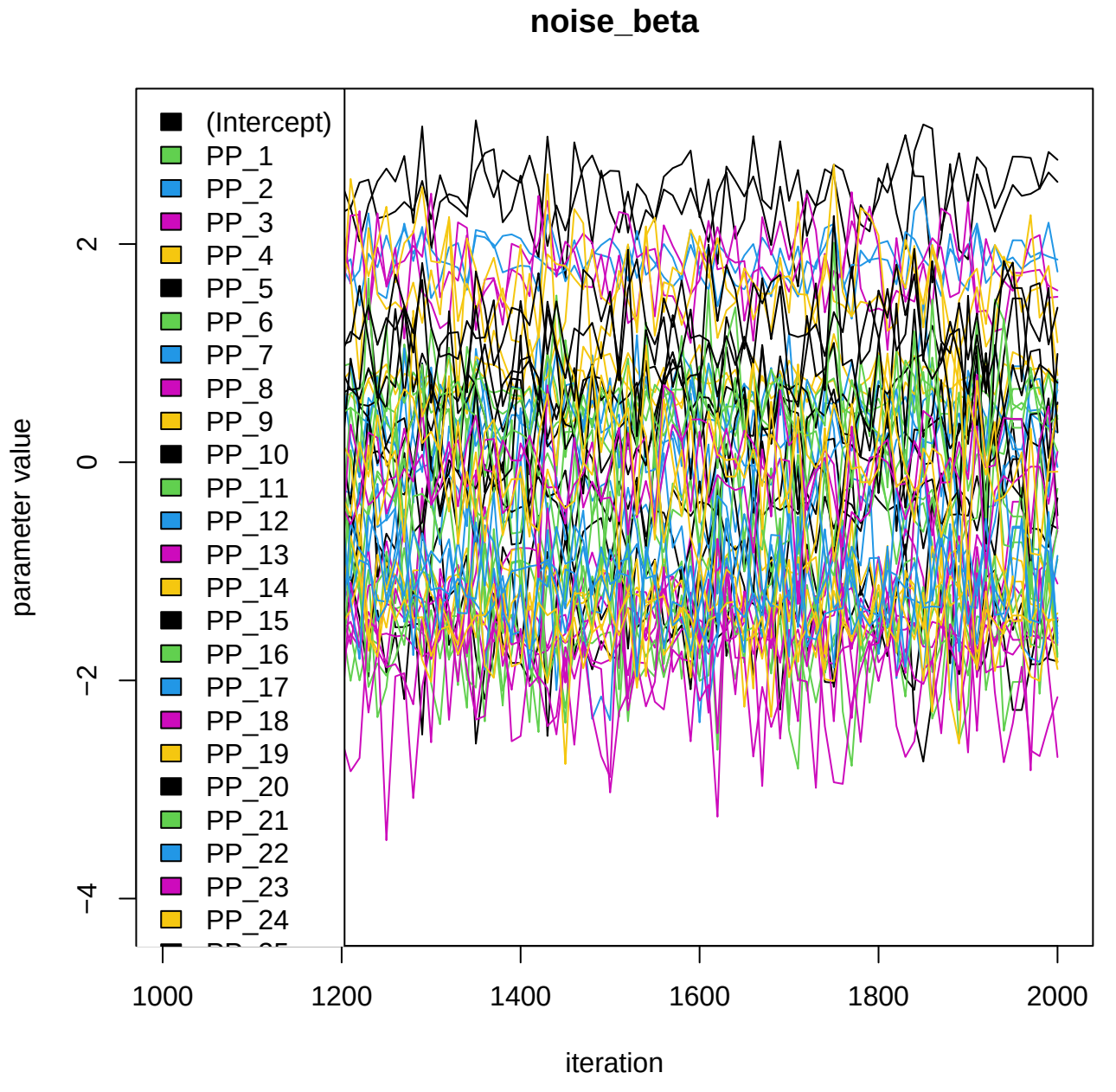
1400
1600
1800
2000
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
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−2
−4
1000
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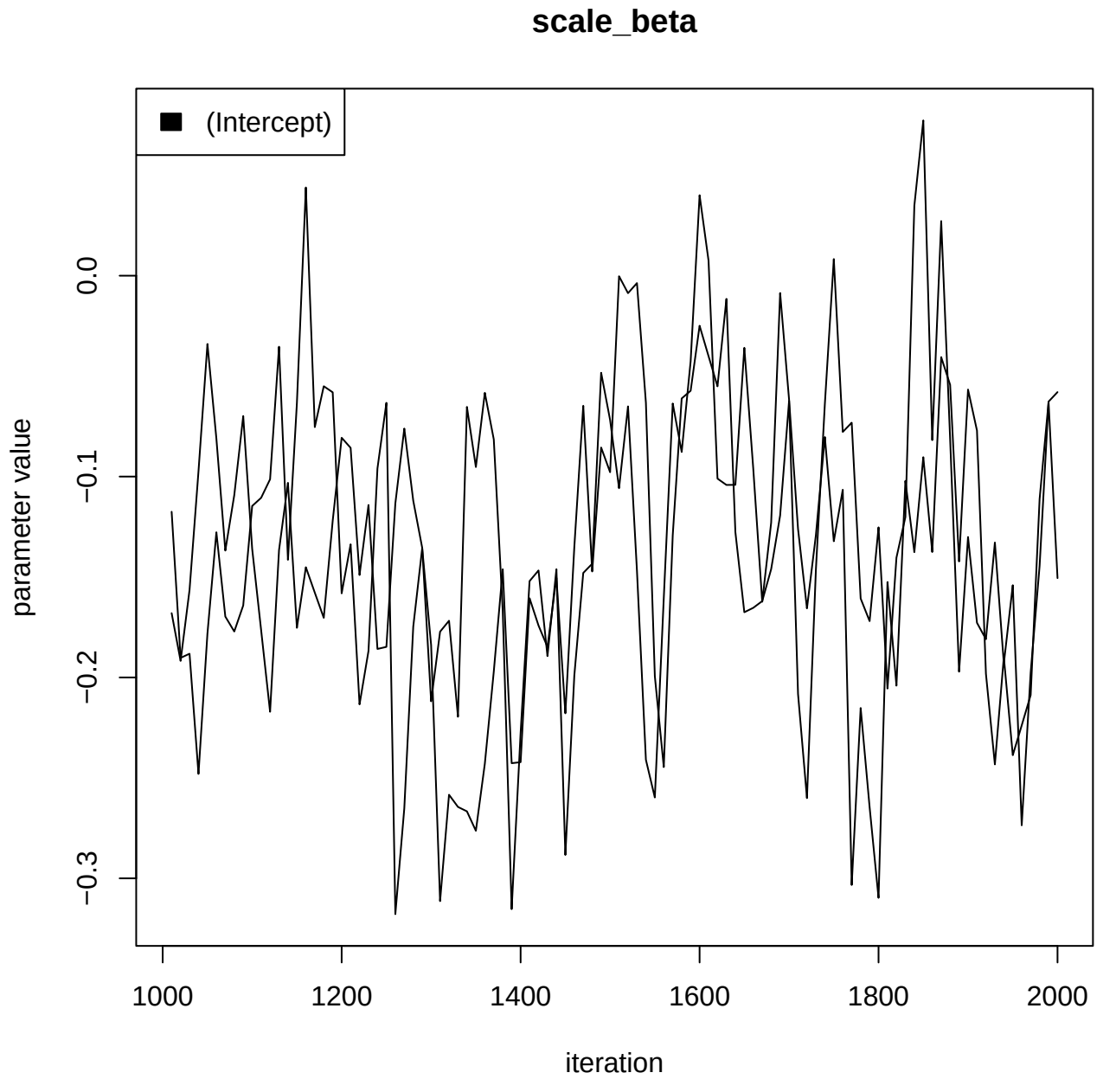
1400
1600
1800
2000
iteration


scale_beta
(Intercept)
parameter value
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−0.2
−0.3
1000
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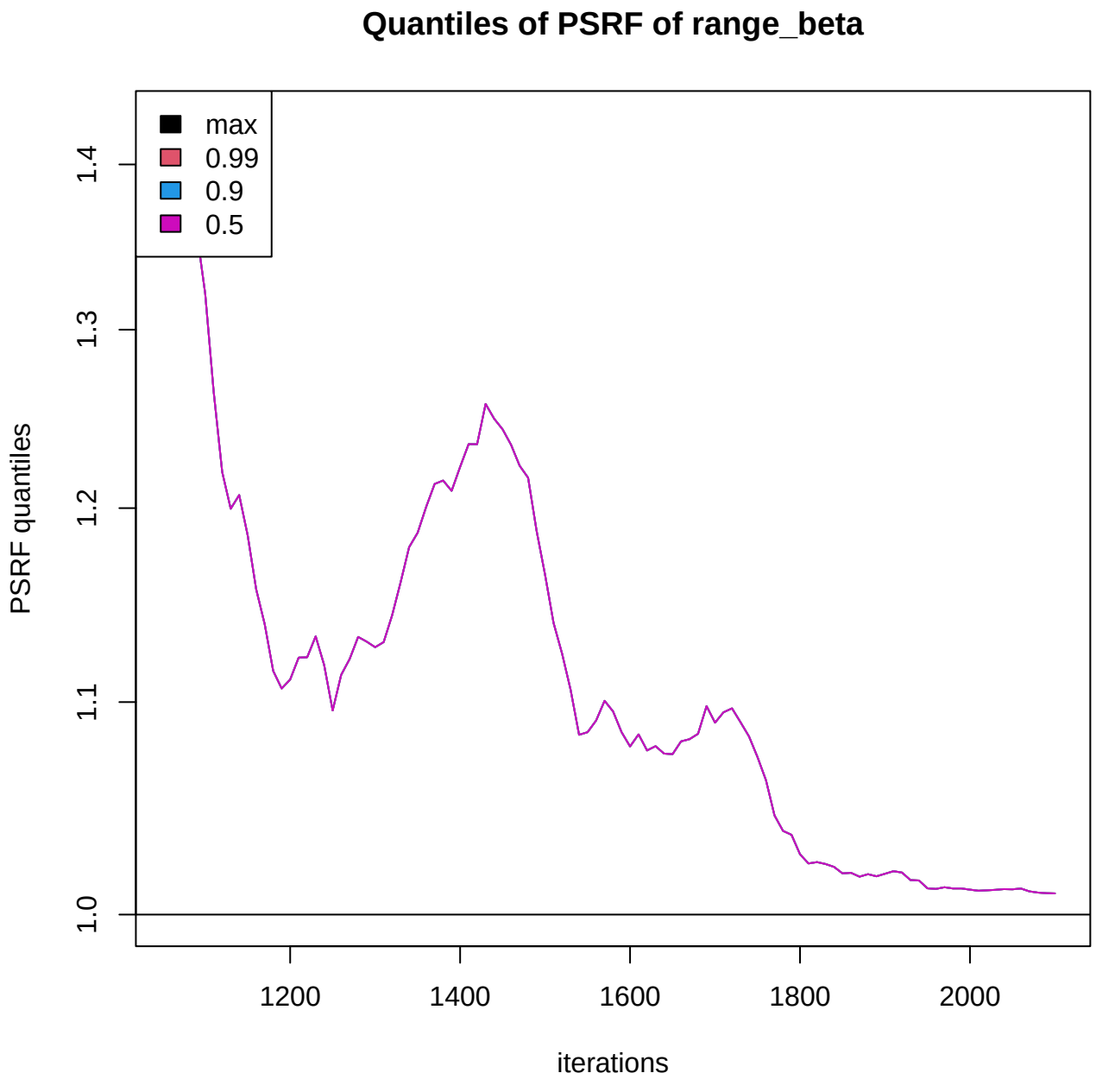
1400
1600
1800
2000
iteration


Quantiles of PSRF of range_beta
max
0.99
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0.5
PSRF quantiles
1.0
1.1
1.2
1.3
1.4
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1600
1800
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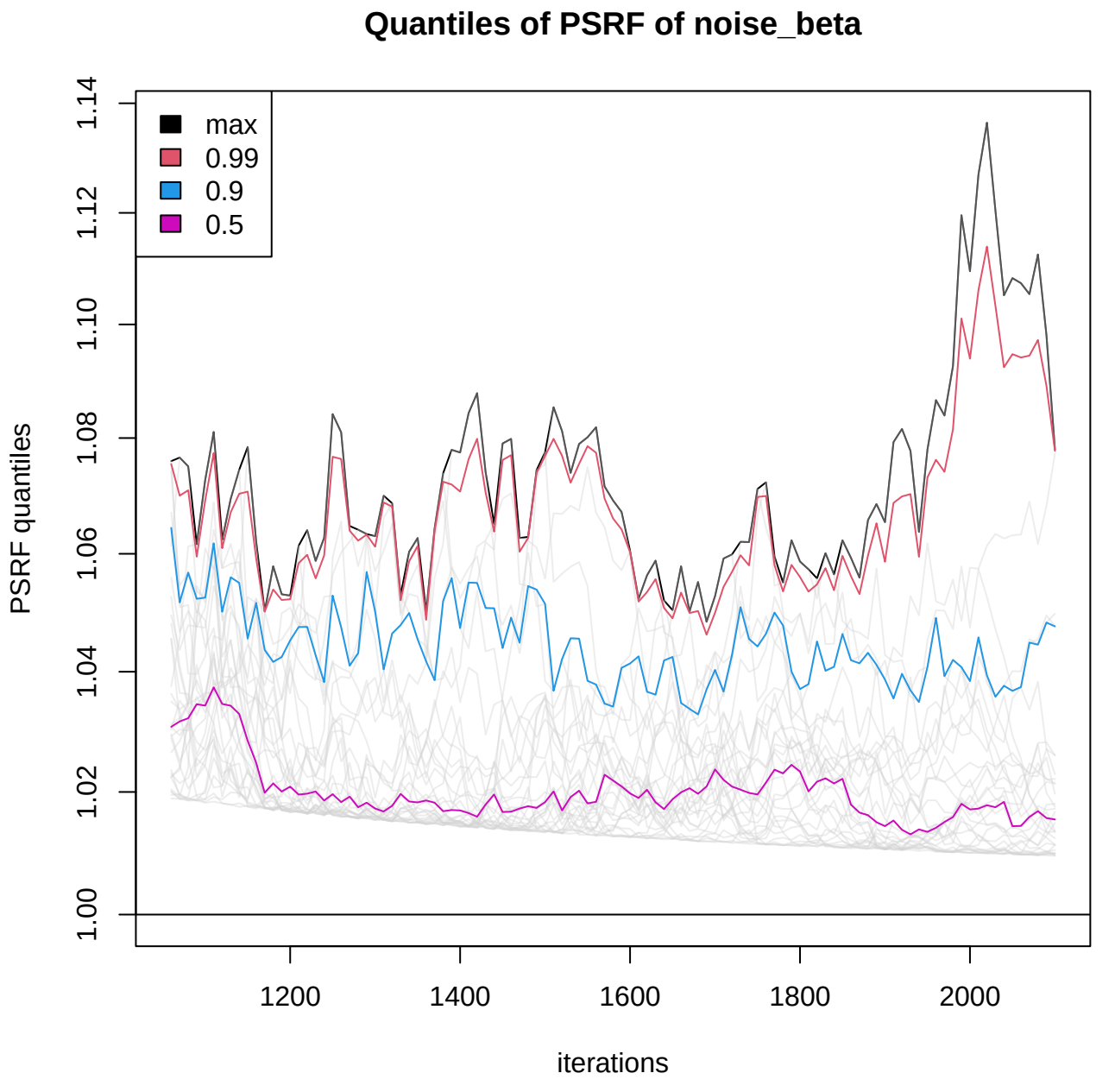
iterations


Quantiles of PSRF of noise_beta
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0.9
0.5
PSRF quantiles
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1.14
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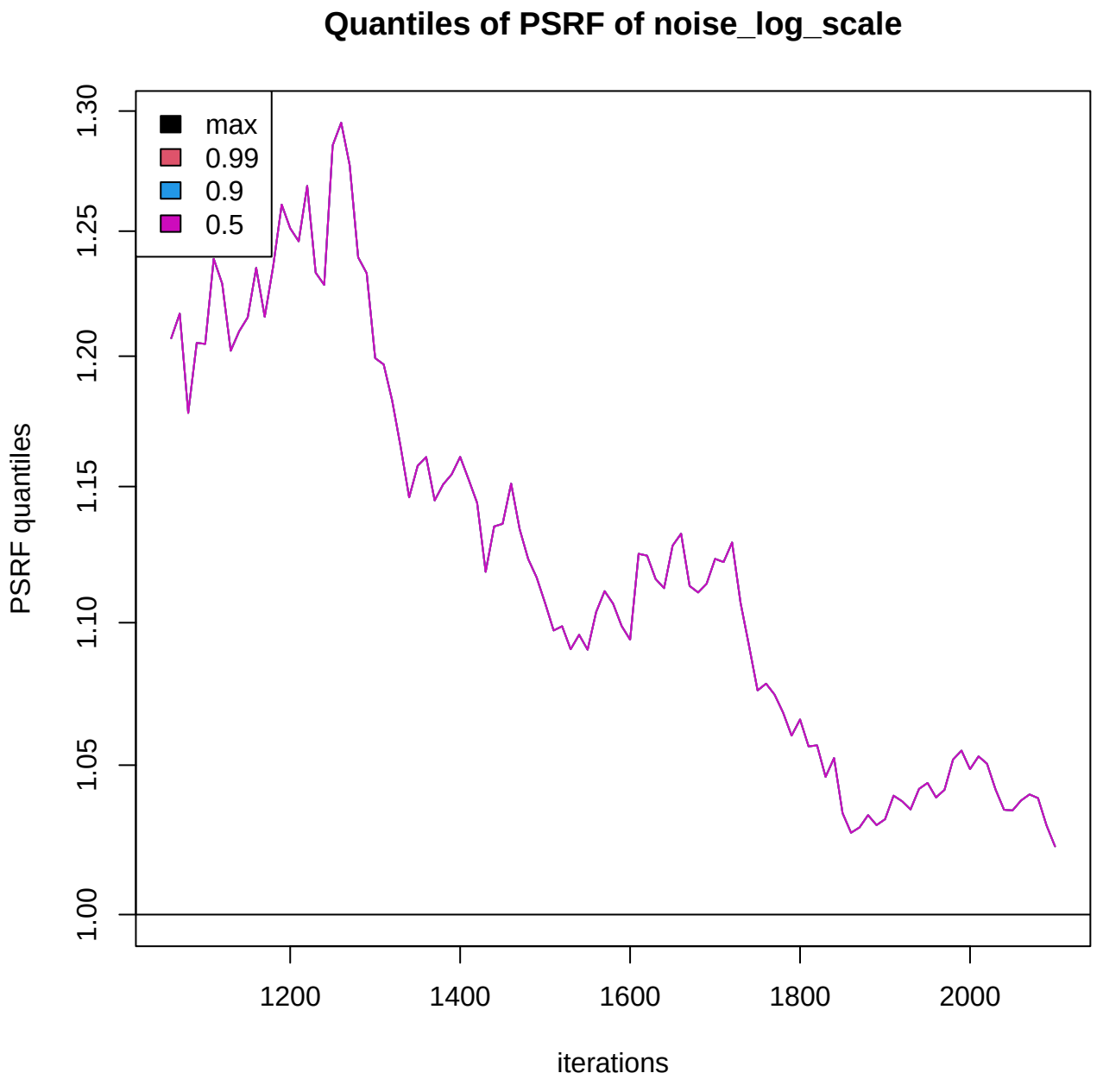
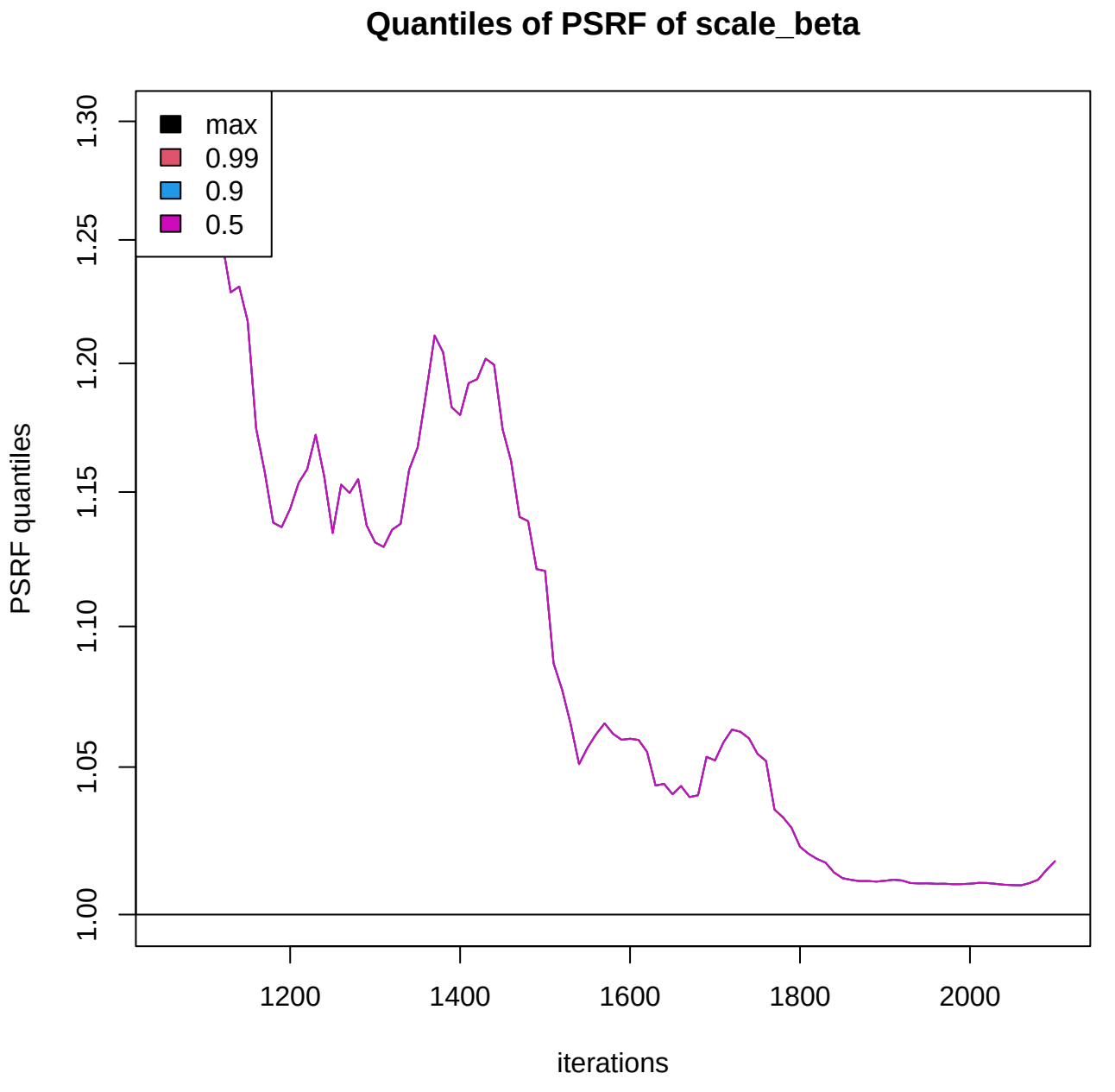
1600
1800
2000
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1200
1400
1600
1800
2000
iterations


Quantiles of PSRF of scale_beta
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0.5
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1.20
1.25
1.30
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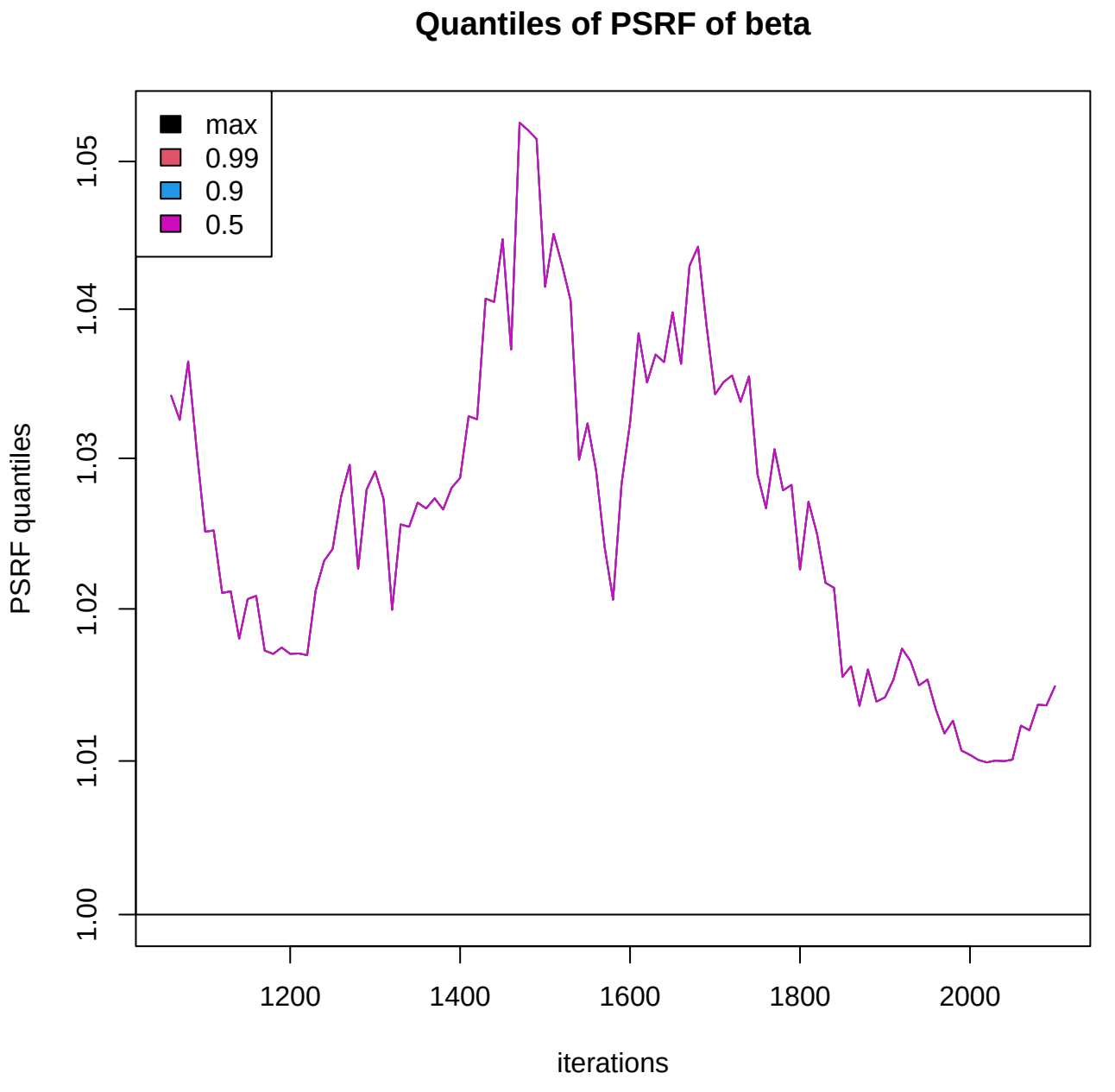
1400
1600
1800
2000
iterations


Quantiles of PSRF of beta
max
0.99
0.9
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PSRF quantiles
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1.01
1.02
1.03
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1600
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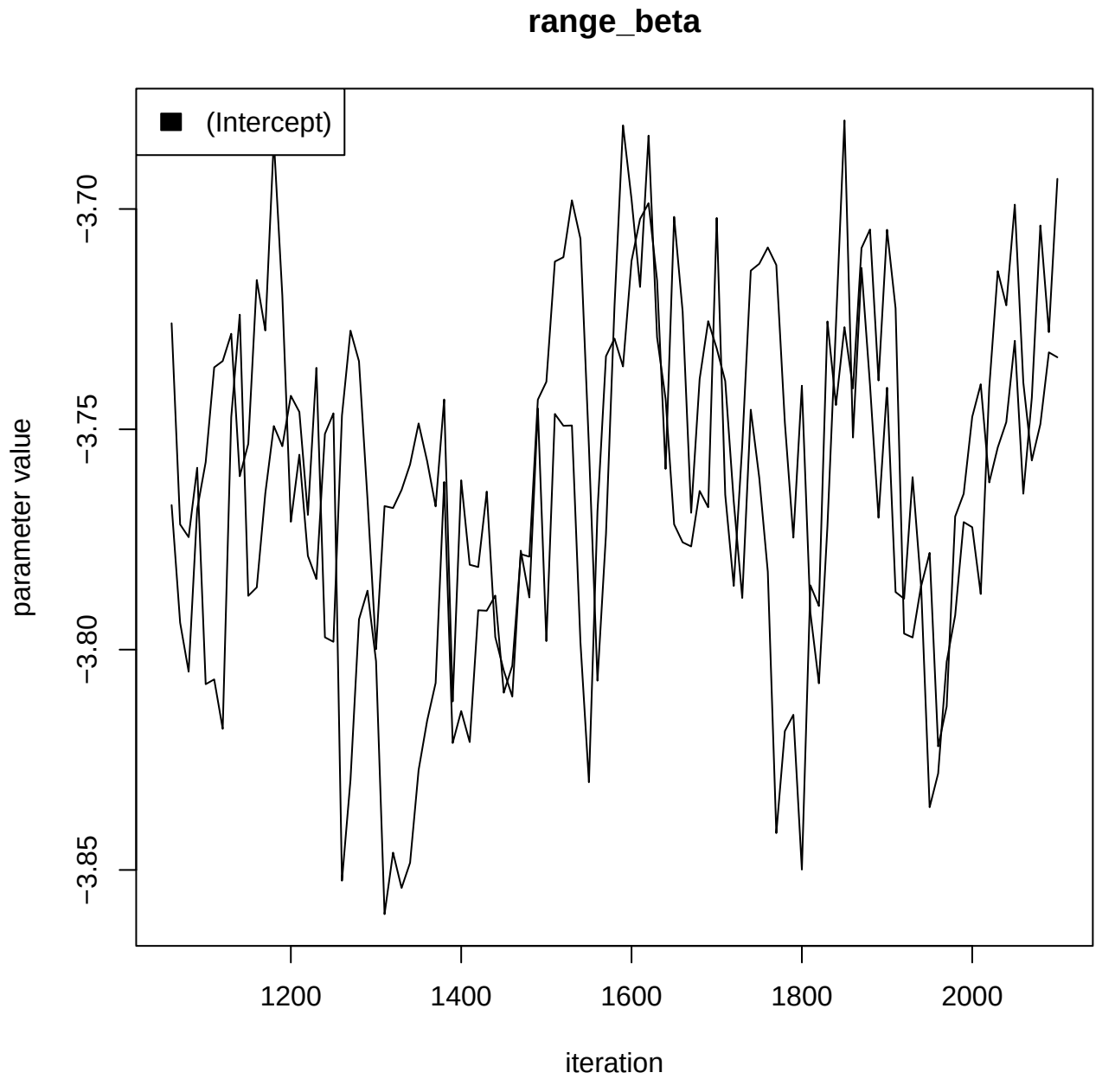
2000
iterations


range_beta
(Intercept)
parameter value
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−3.75
−3.80
−3.85
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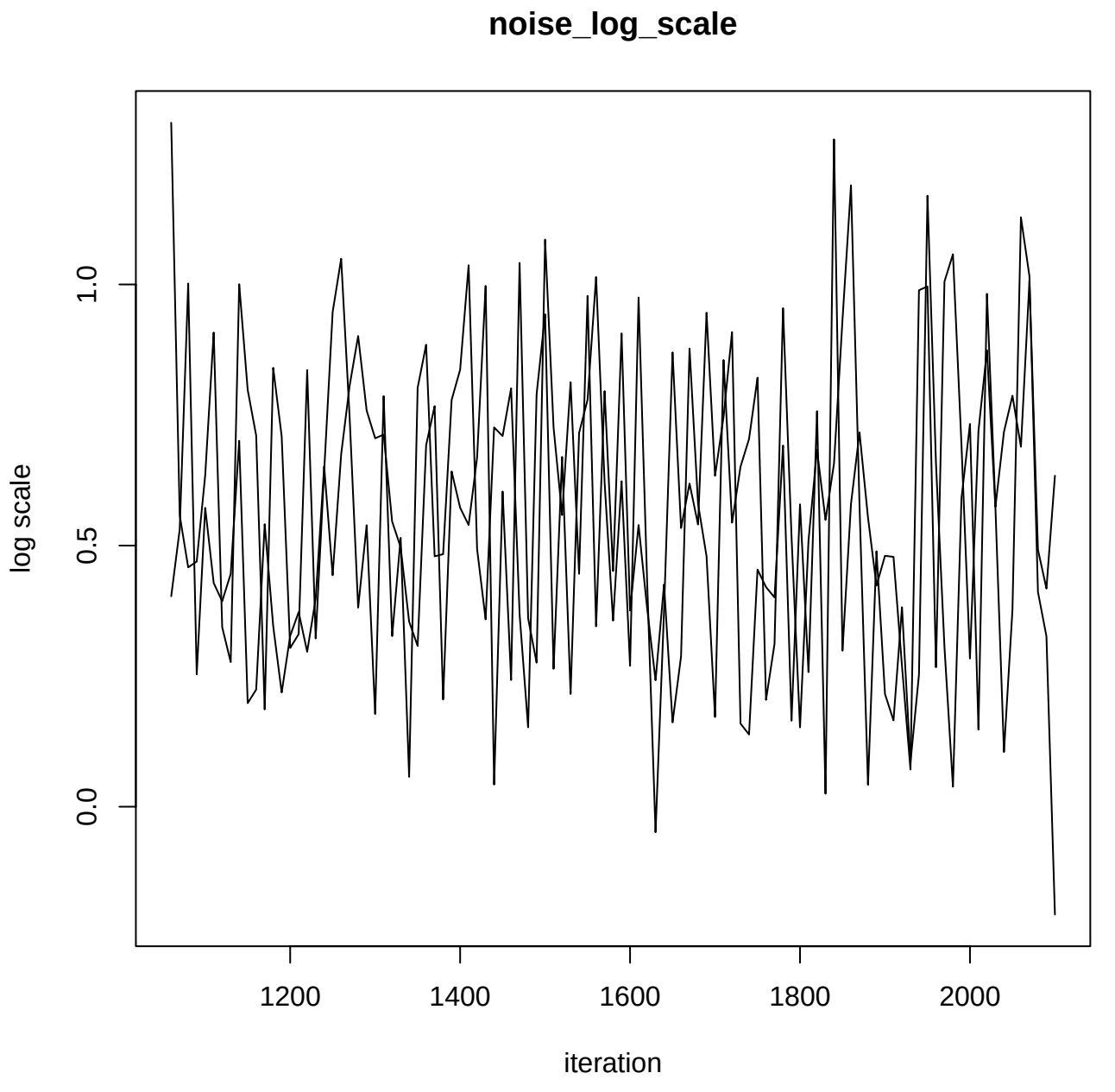
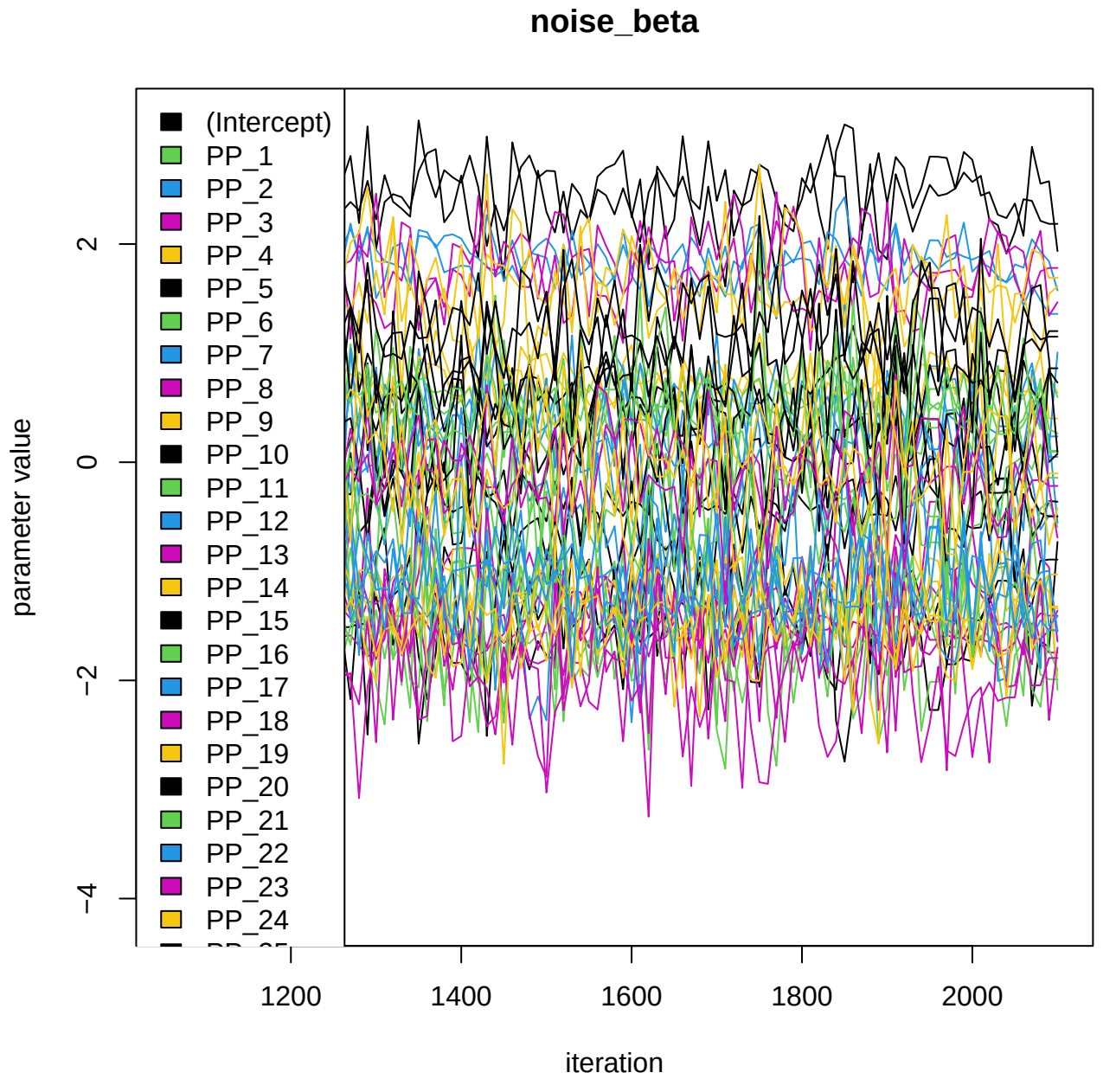
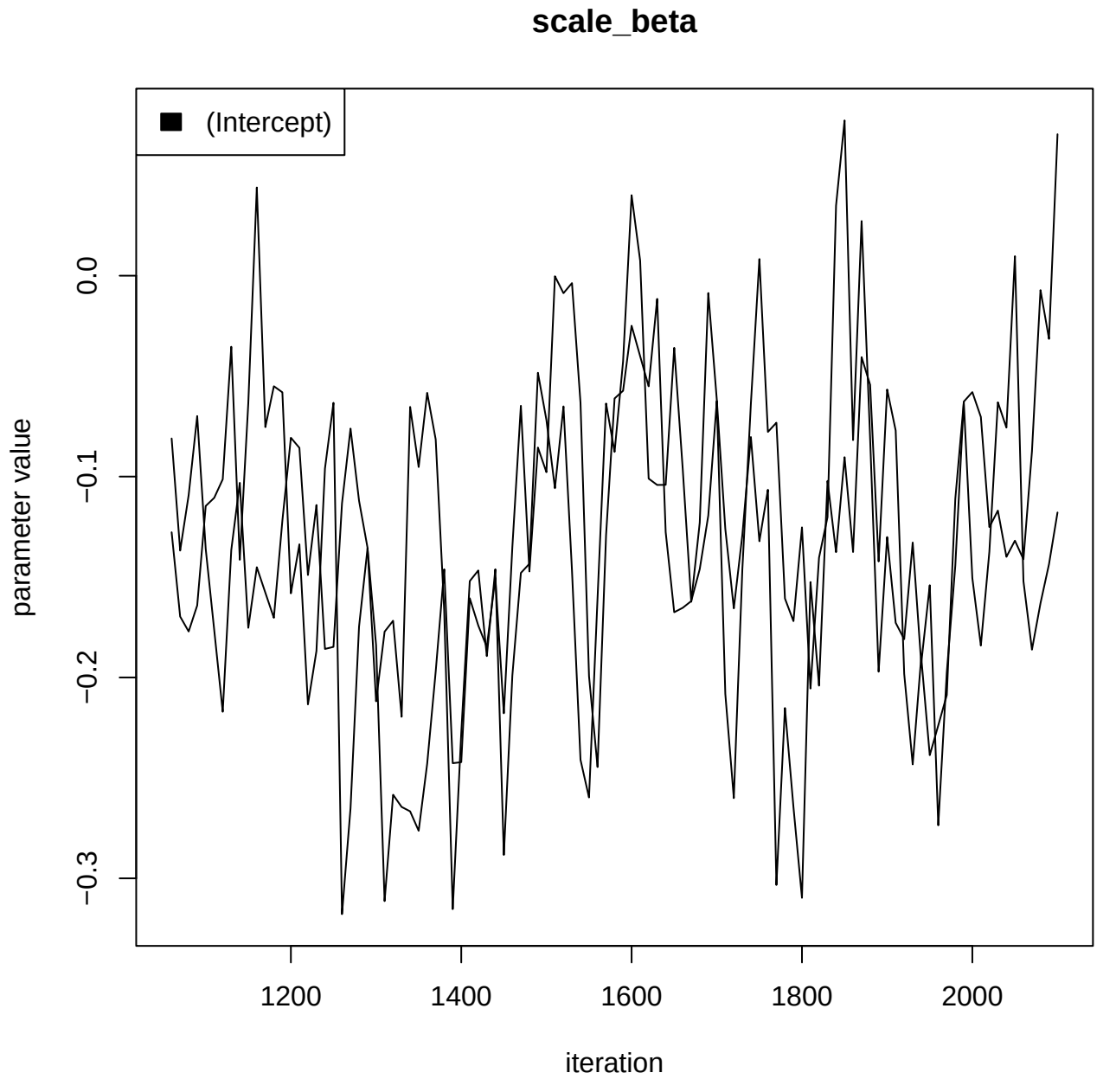
1400
1600
1800
2000
iteration


noise_log_scale
log scale
0.0
0.5
1.0
1200
1400
1600
1800
2000
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
1200
1400
1600
1800
2000
iteration


scale_beta
(Intercept)
parameter value
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−0.2
−0.3
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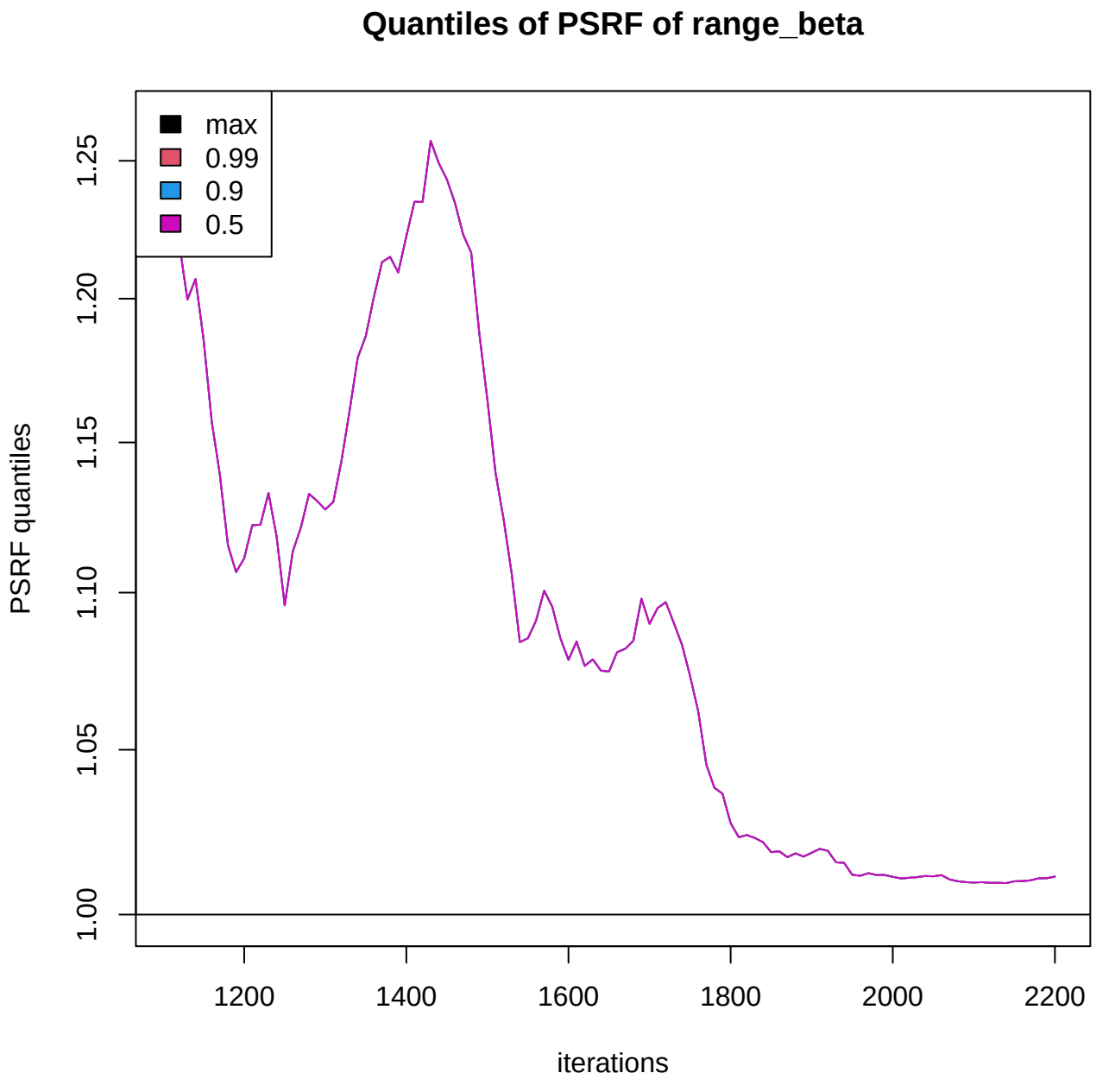
1600
1800
2000
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
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1.05
1.10
1.15
1.20
1.25
1200
1400
1600
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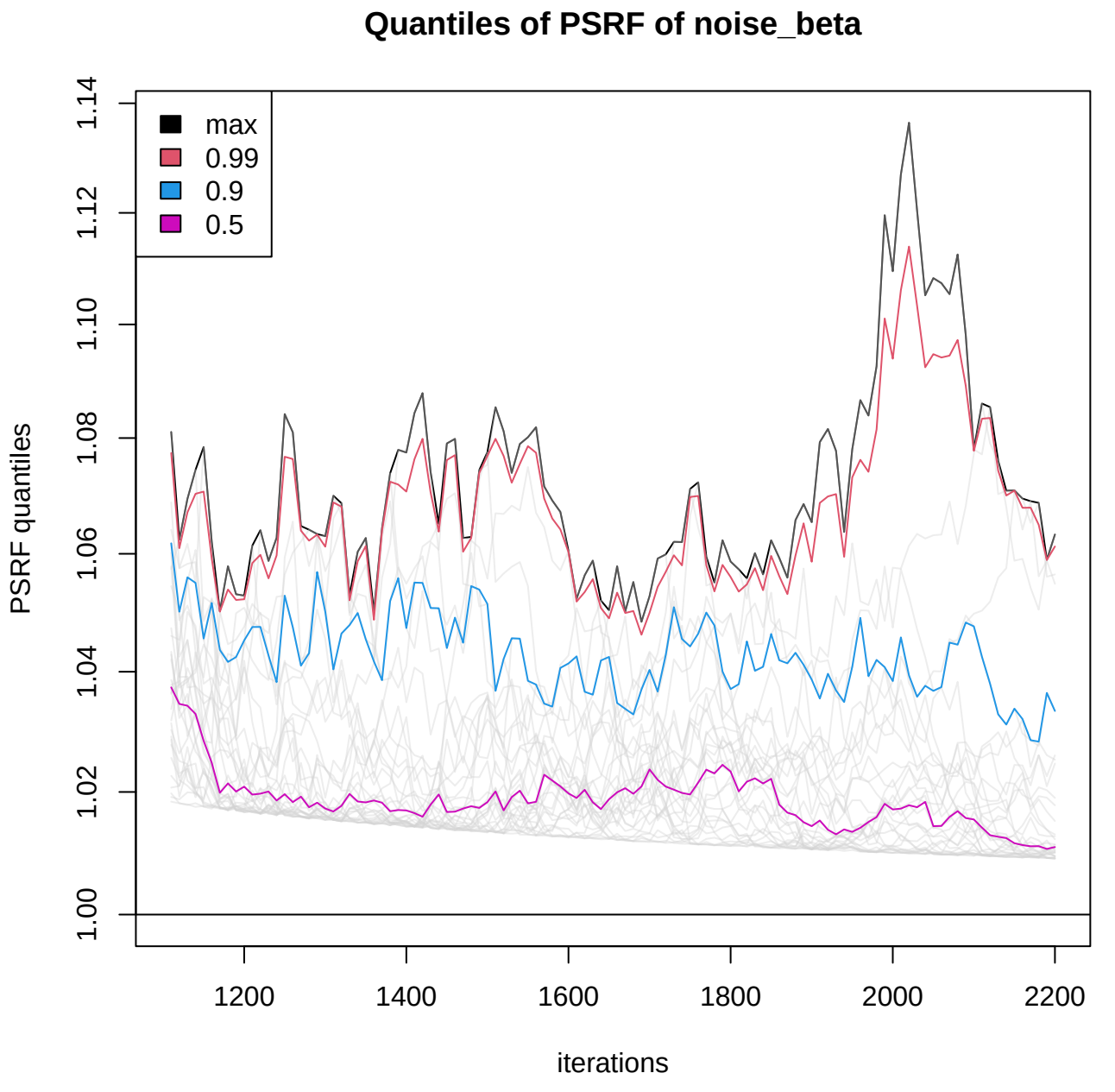
2000
2200
iterations


Quantiles of PSRF of noise_beta
max
0.99
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0.5
PSRF quantiles
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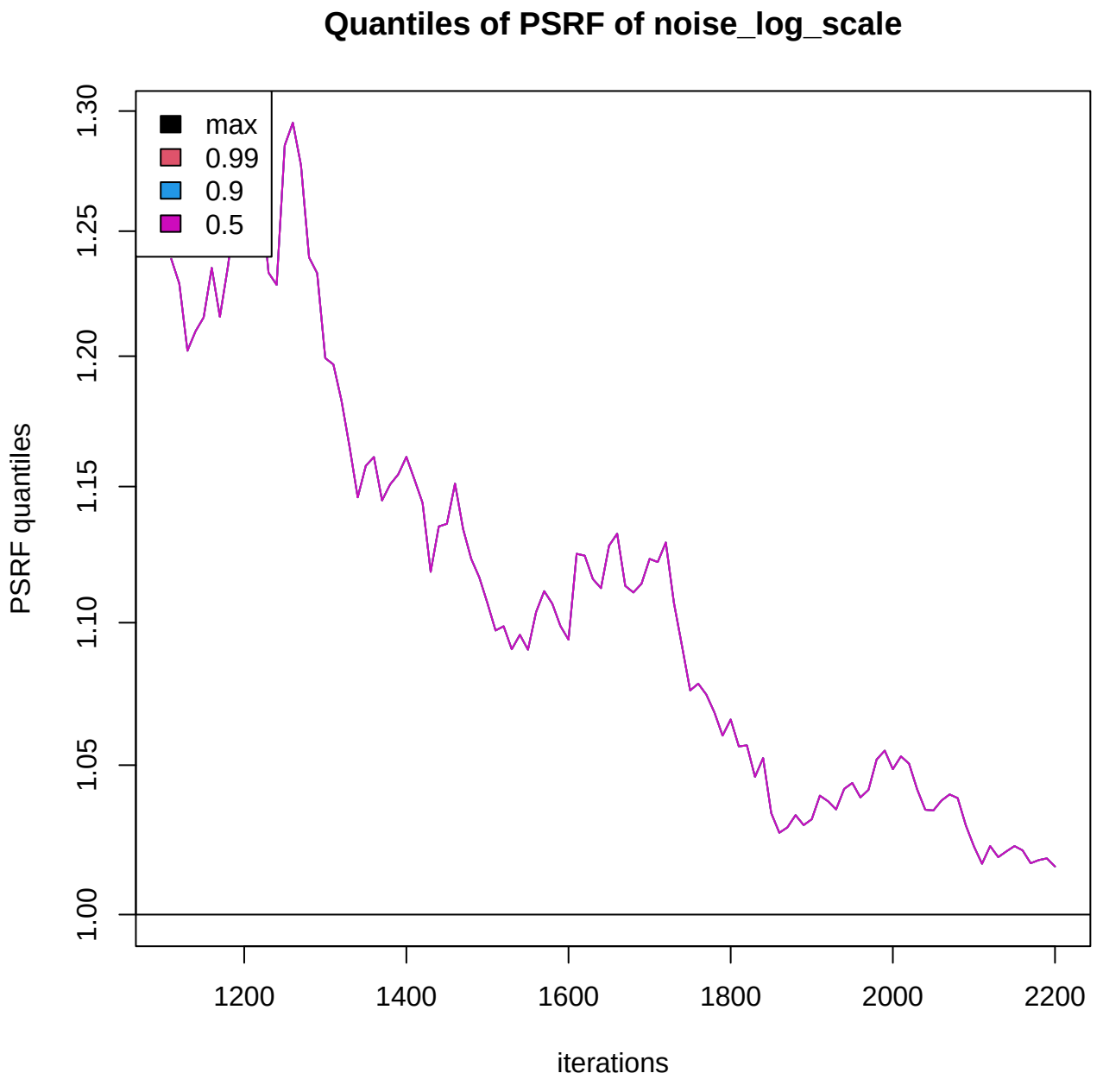
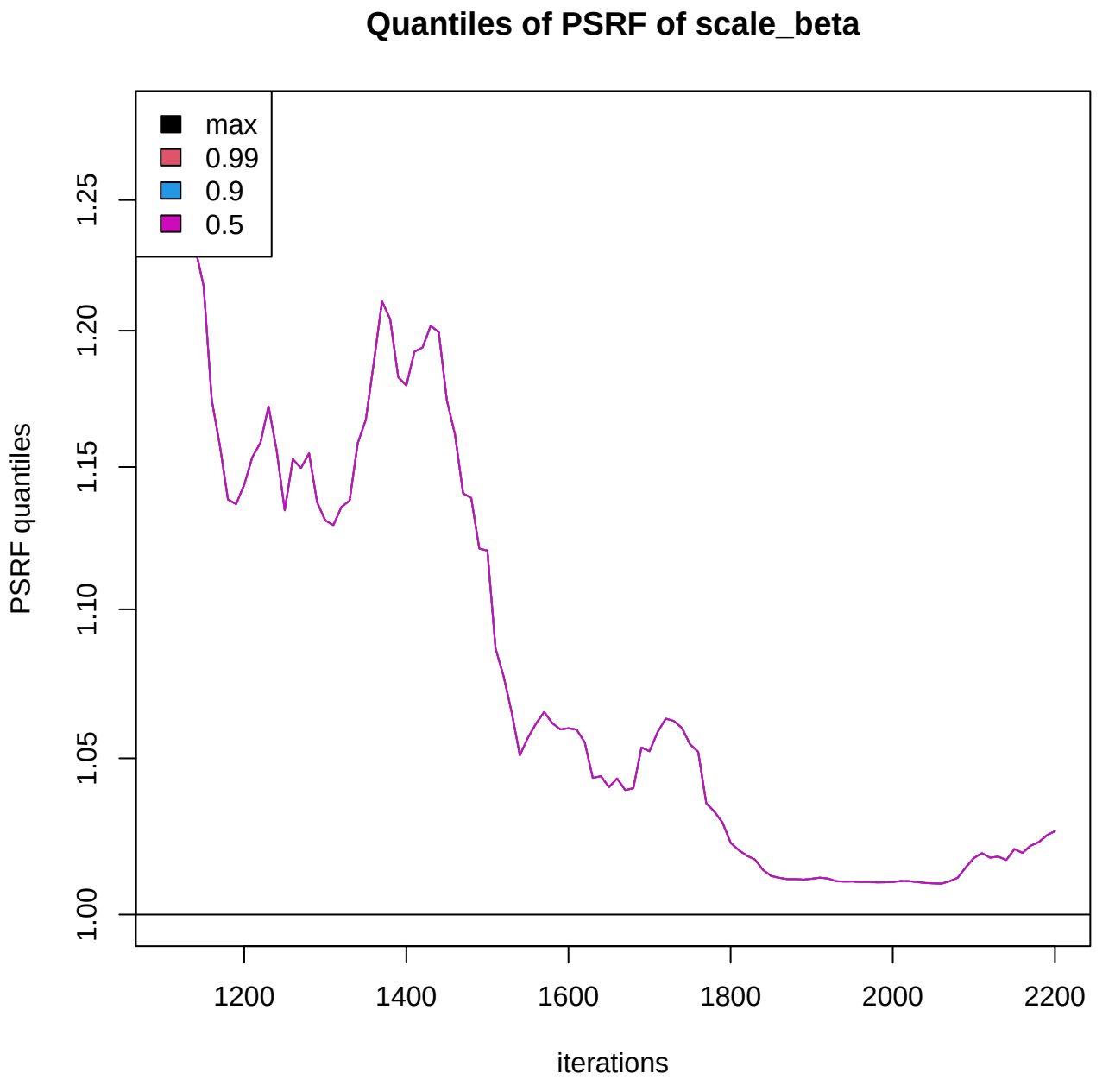
iterations


Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1200
1400
1600
1800
2000
2200
iterations


Quantiles of PSRF of scale_beta
max
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0.9
0.5
PSRF quantiles
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1.05
1.10
1.15
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1200
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2000
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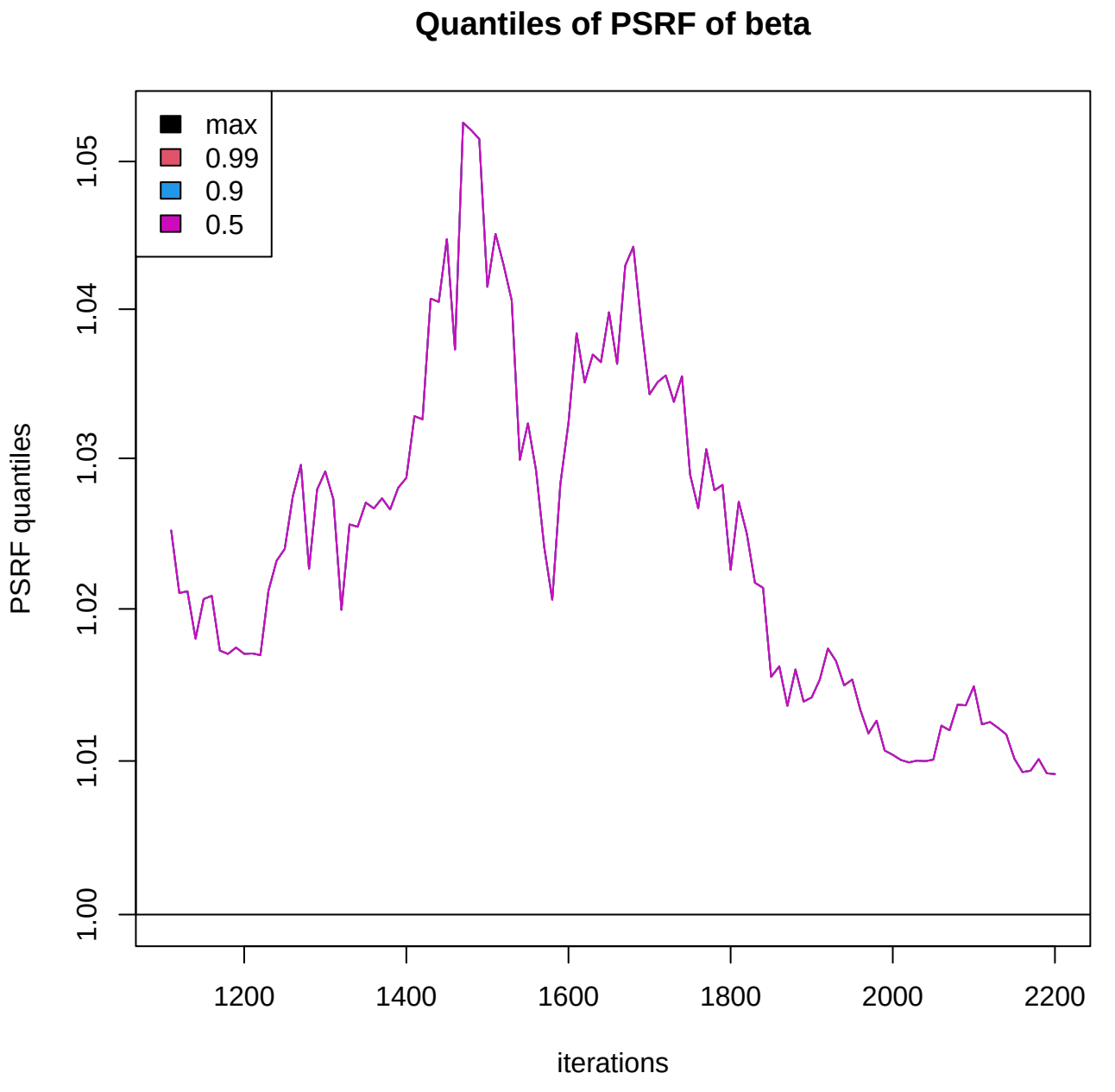
iterations


Quantiles of PSRF of beta
max
0.99
0.9
0.5
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1.01
1.02
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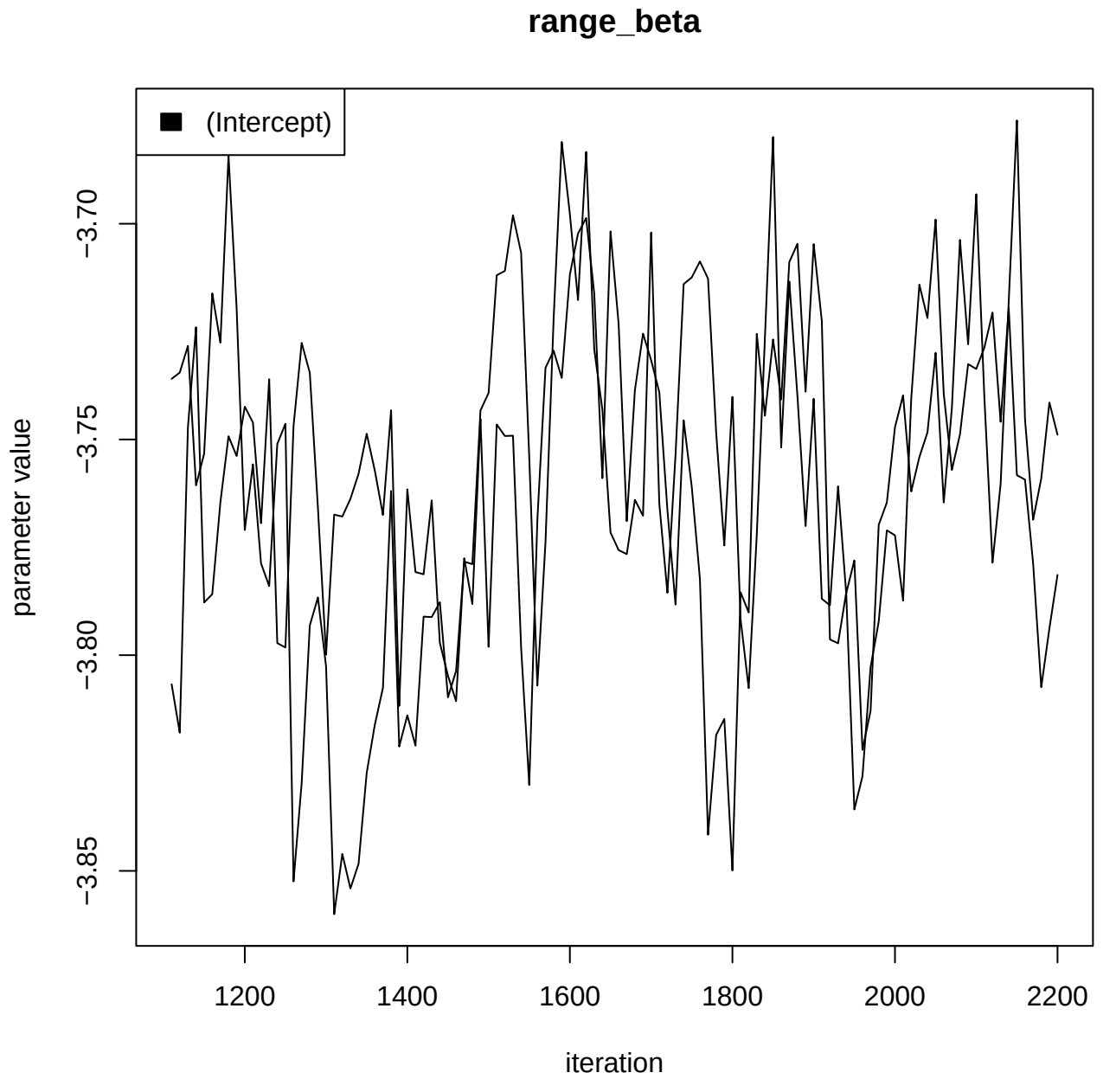
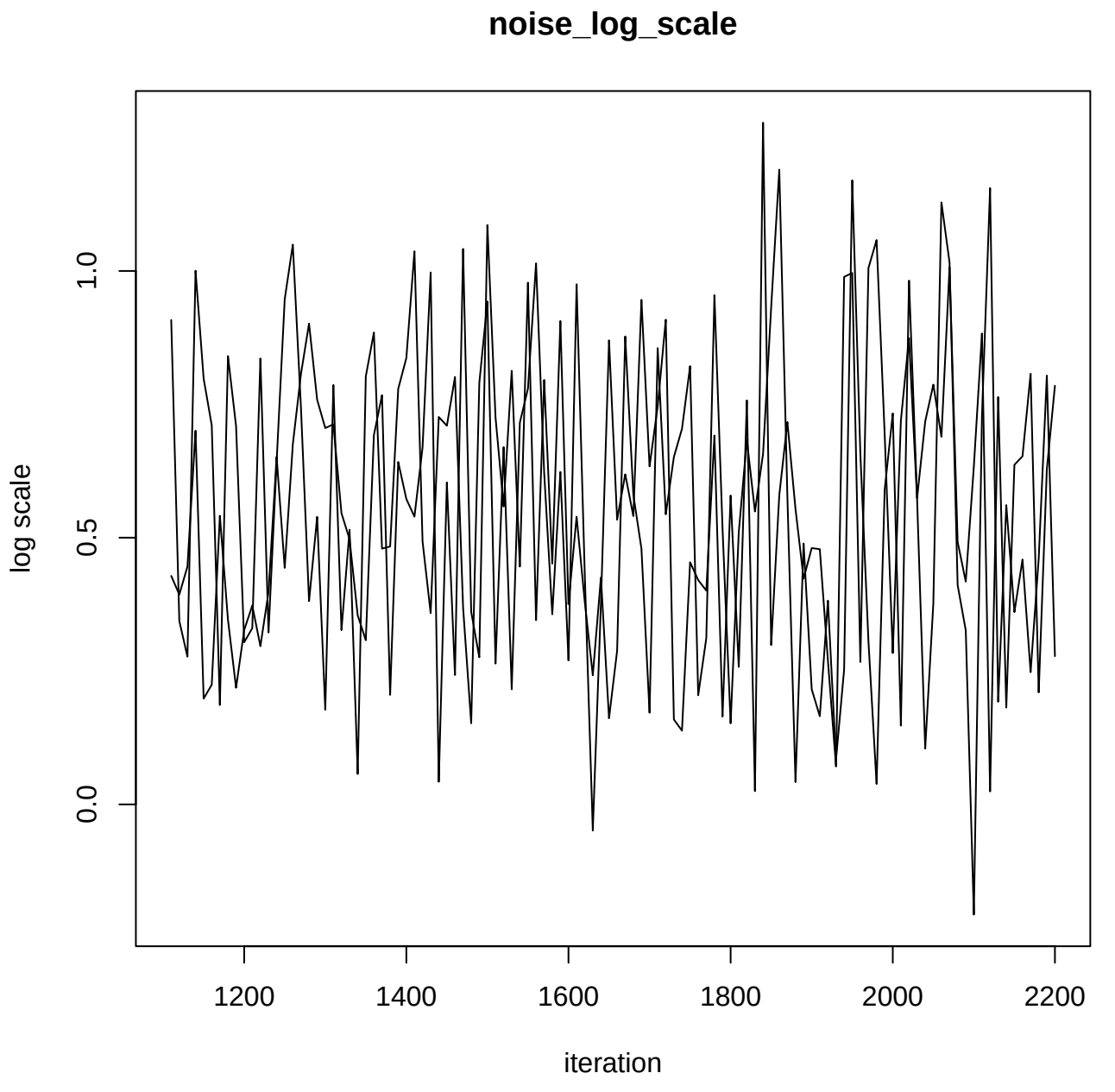
iterations


range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
1200
1400
1600
1800
2000
2200
iteration


noise_log_scale
log scale
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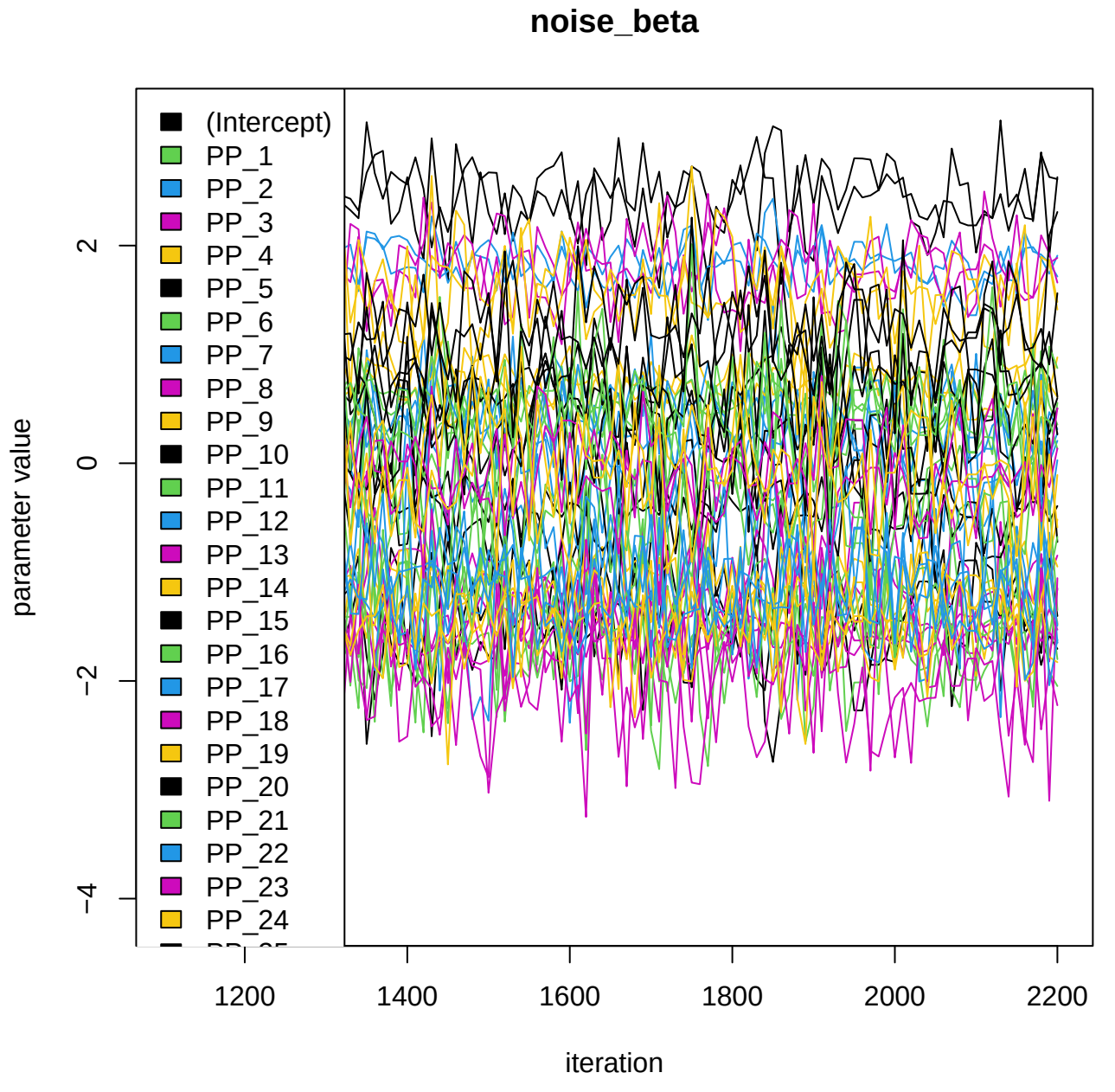
2000
2200
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
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−2
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1200
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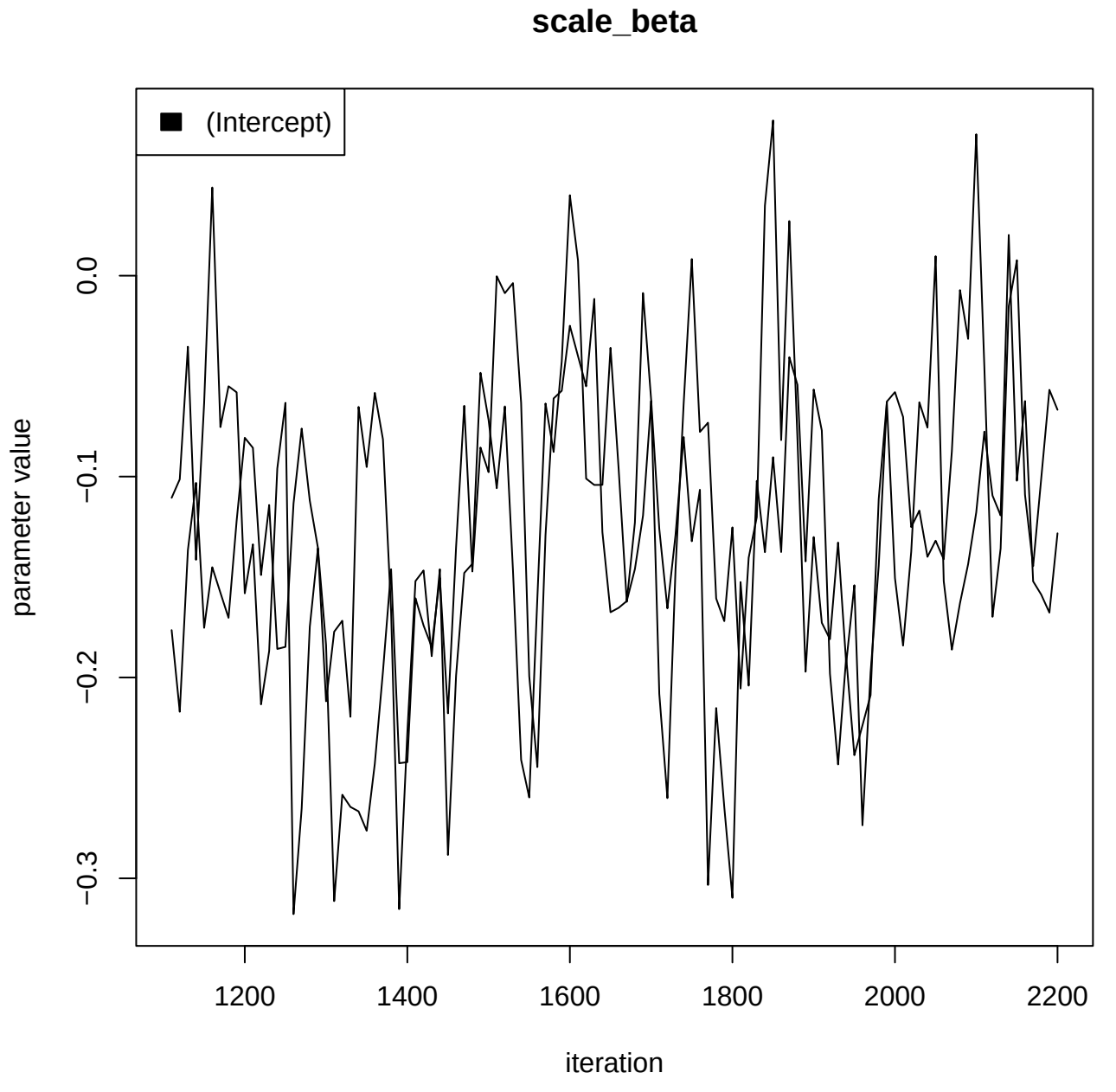
1600
1800
2000
2200
iteration


scale_beta
(Intercept)
parameter value
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−0.2
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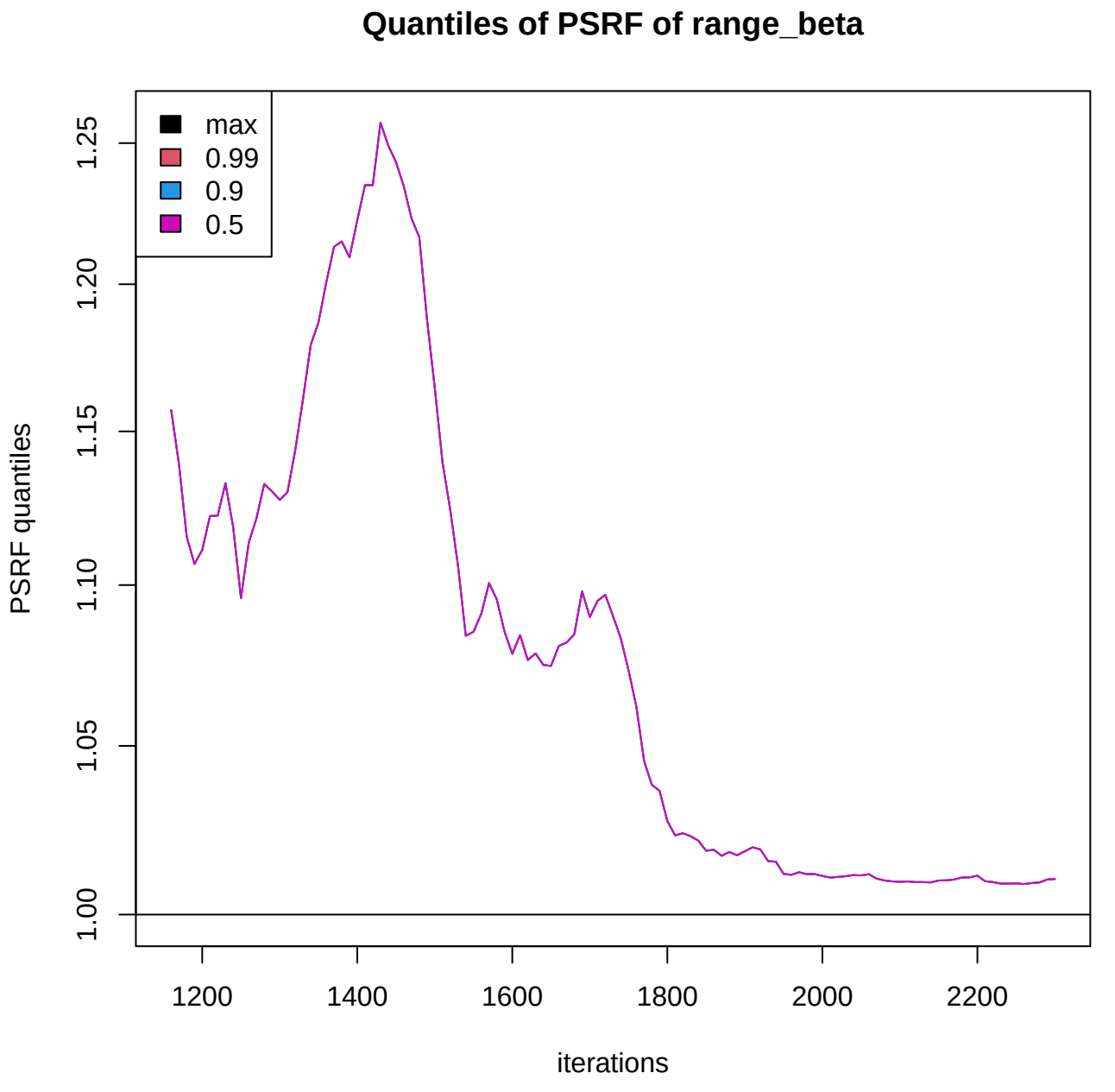
1600
1800
2000
2200
iteration


Quantiles of PSRF of range_beta
max
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0.9
0.5
PSRF quantiles
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1.05
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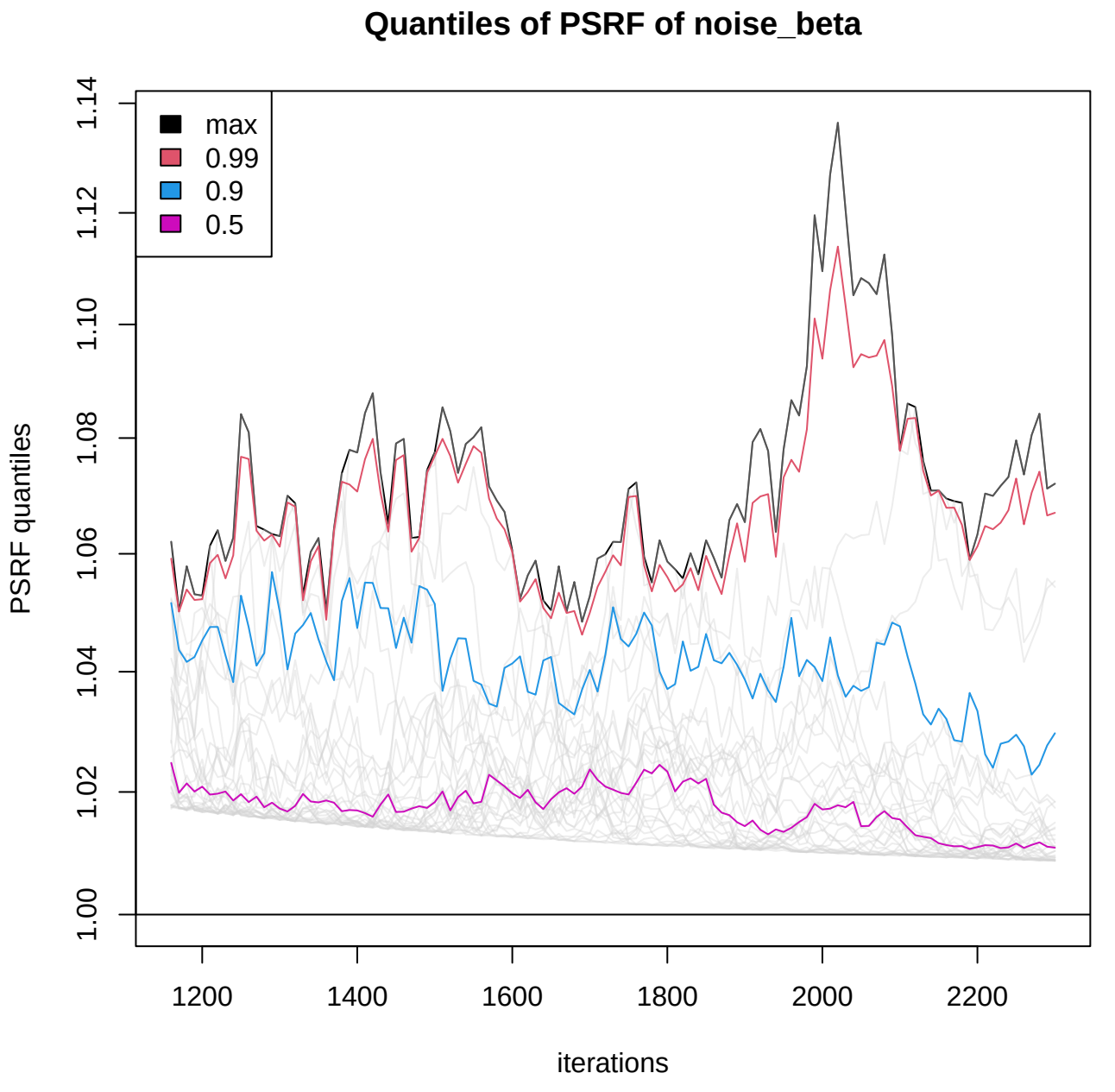
2000
2200
iterations


Quantiles of PSRF of noise_beta
max
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0.9
0.5
PSRF quantiles
1.00
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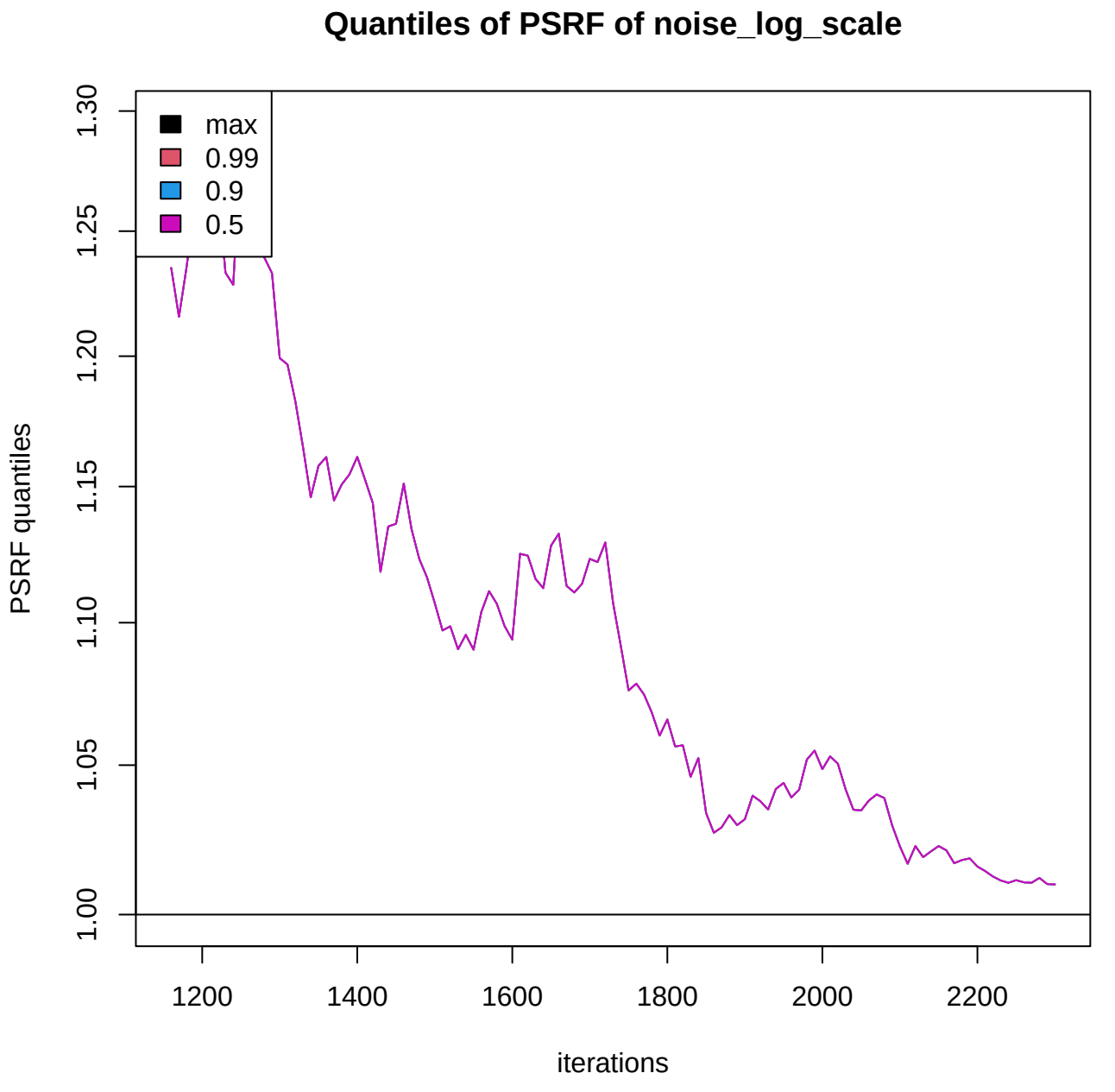
2200
iterations


Quantiles of PSRF of noise_log_scale
max
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0.9
0.5
PSRF quantiles
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1.10
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1.20
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1200
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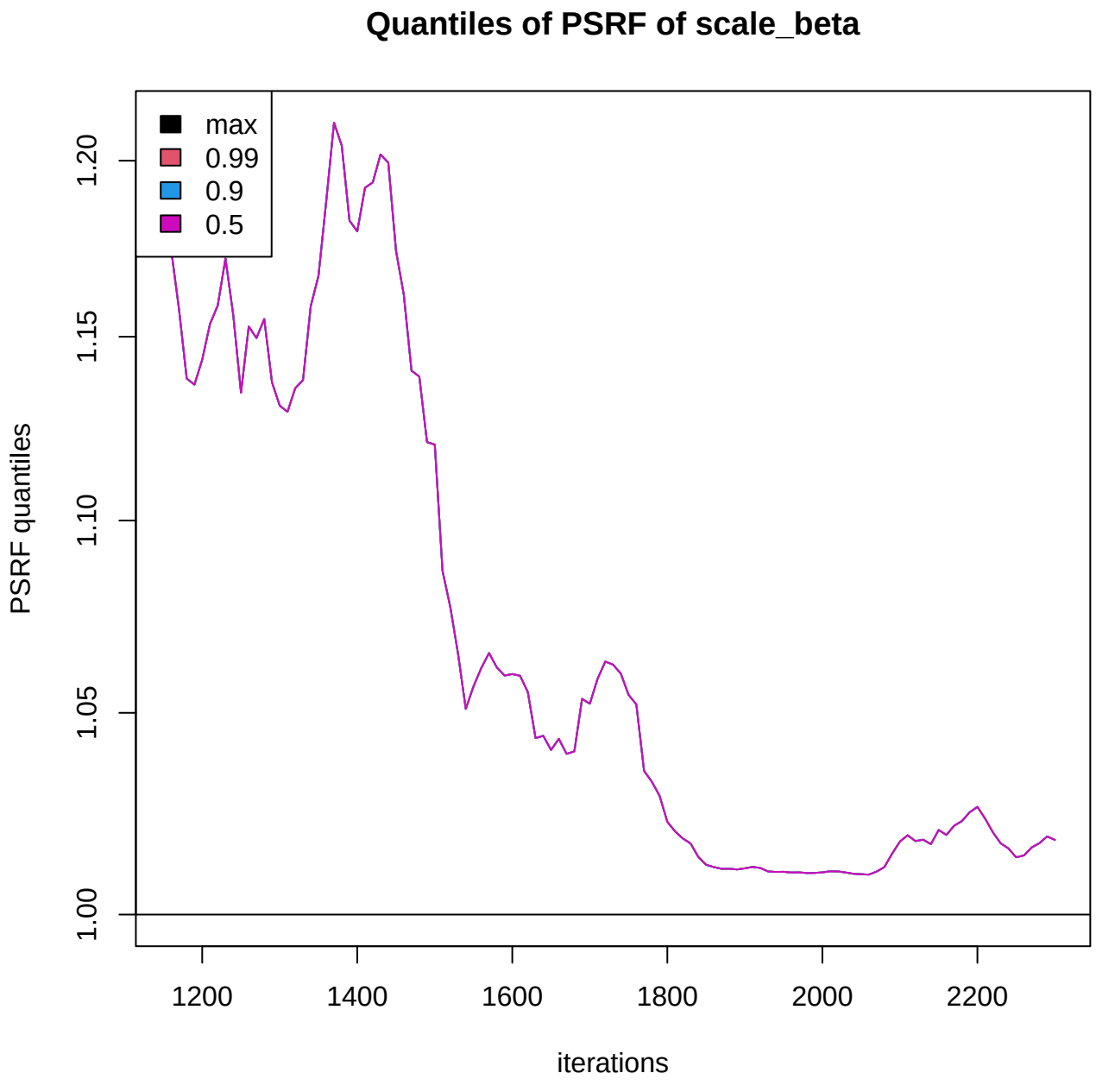
2200
iterations


Quantiles of PSRF of scale_beta
max
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PSRF quantiles
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1.05
1.10
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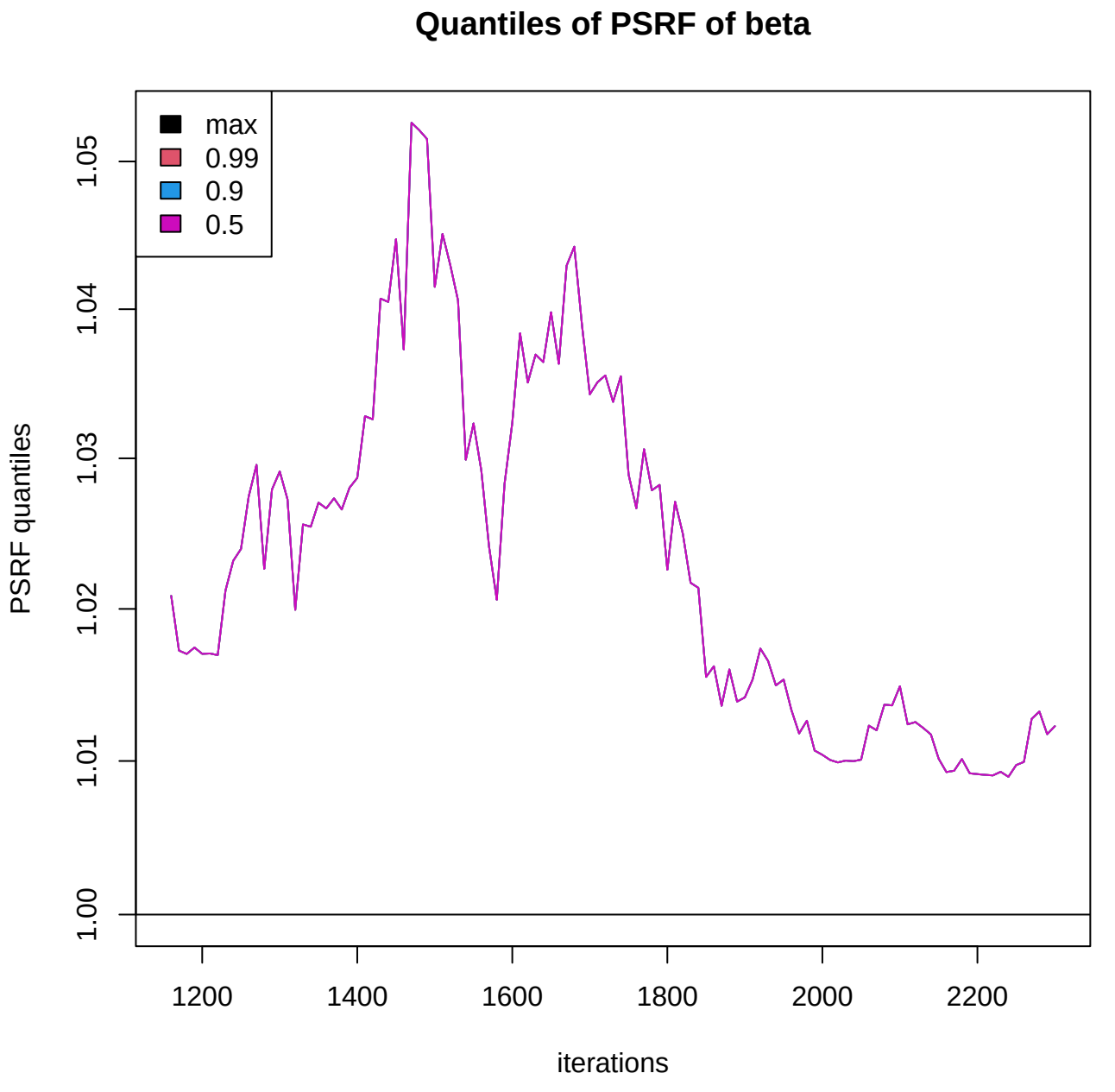
iterations


Quantiles of PSRF of beta
max
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0.5
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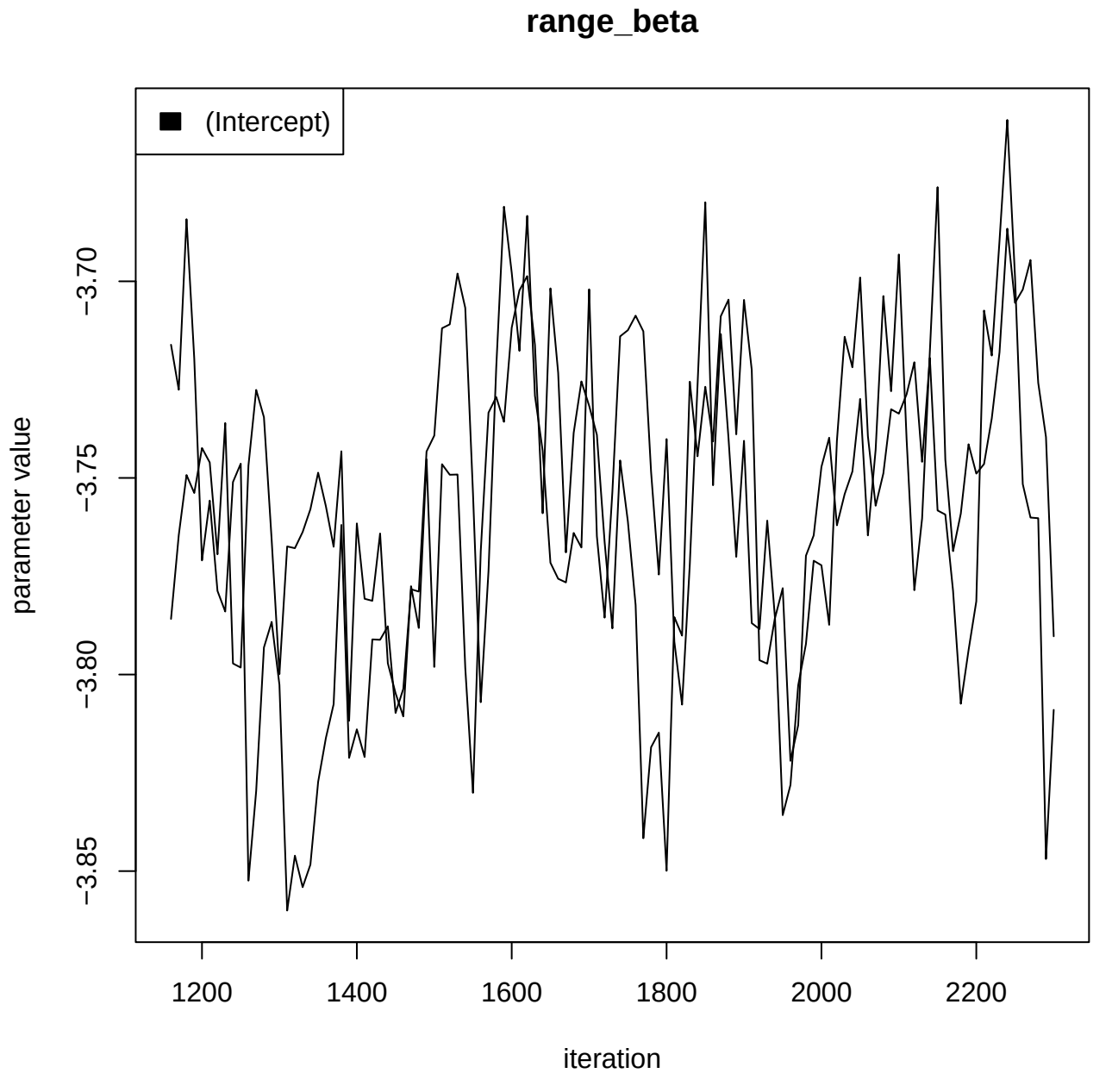
iterations


range_beta
(Intercept)
parameter value
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−3.75
−3.80
−3.85
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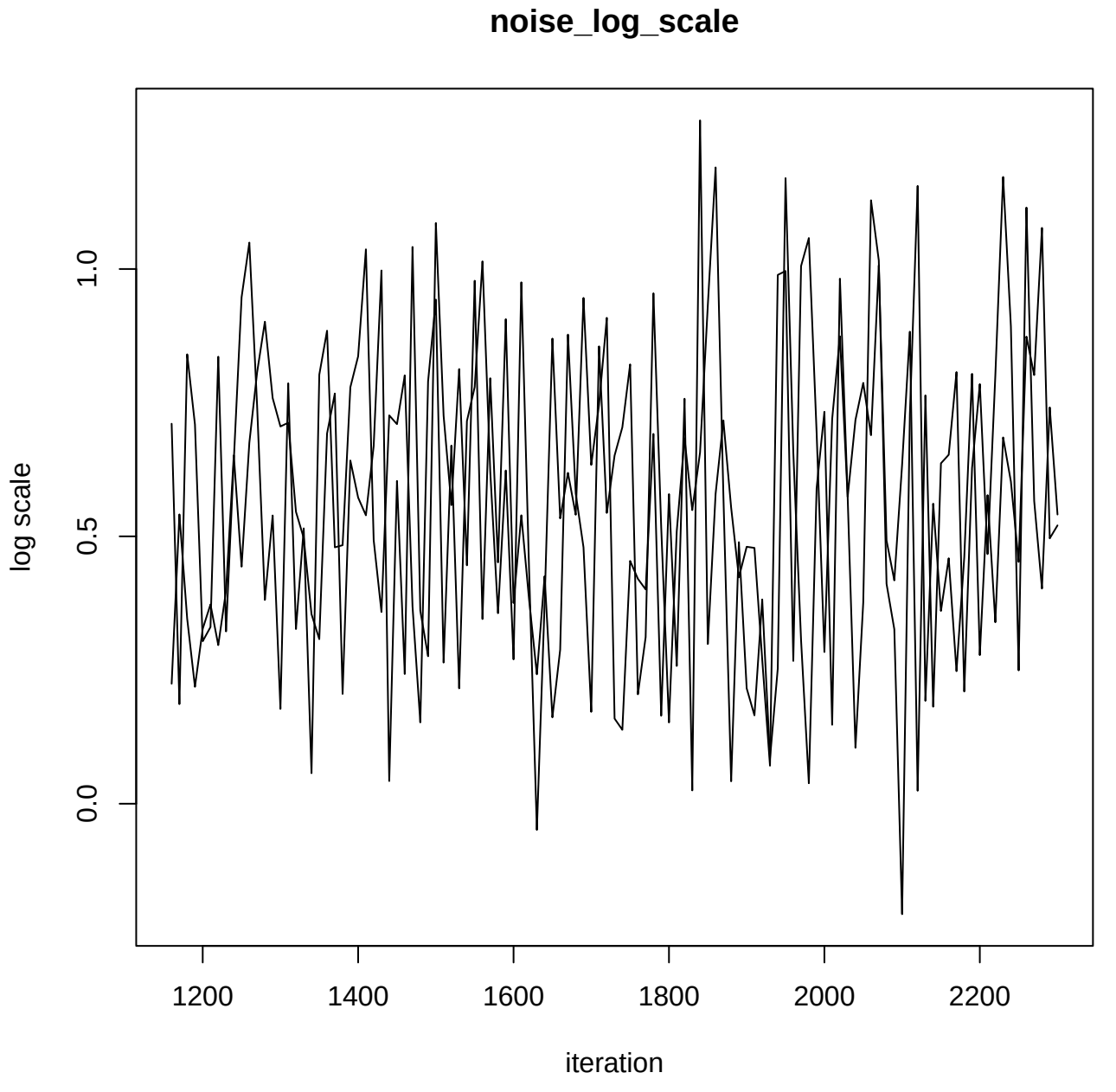
1400
1600
1800
2000
2200
iteration


noise_log_scale
log scale
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1.0
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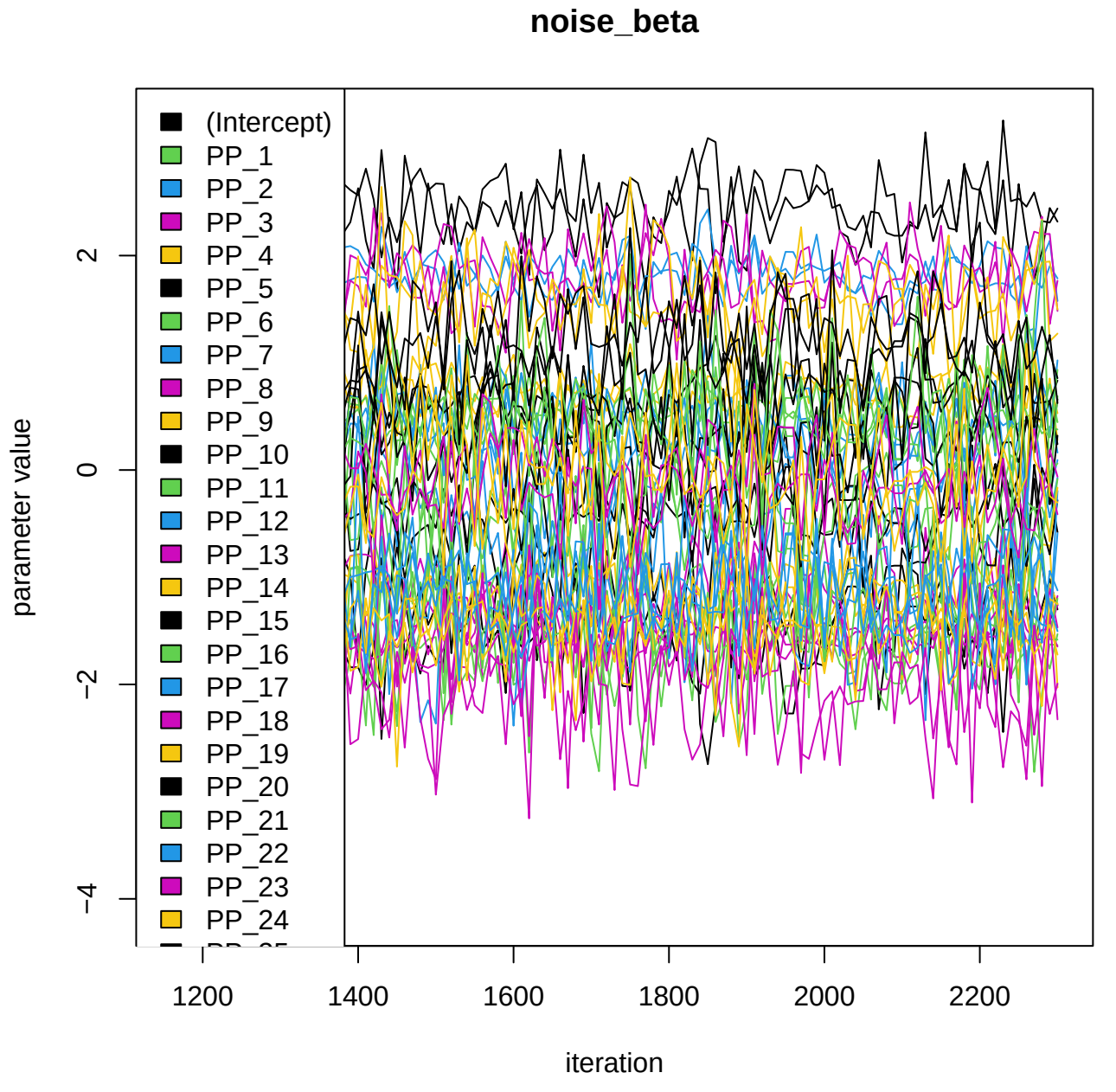
1400
1600
1800
2000
2200
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
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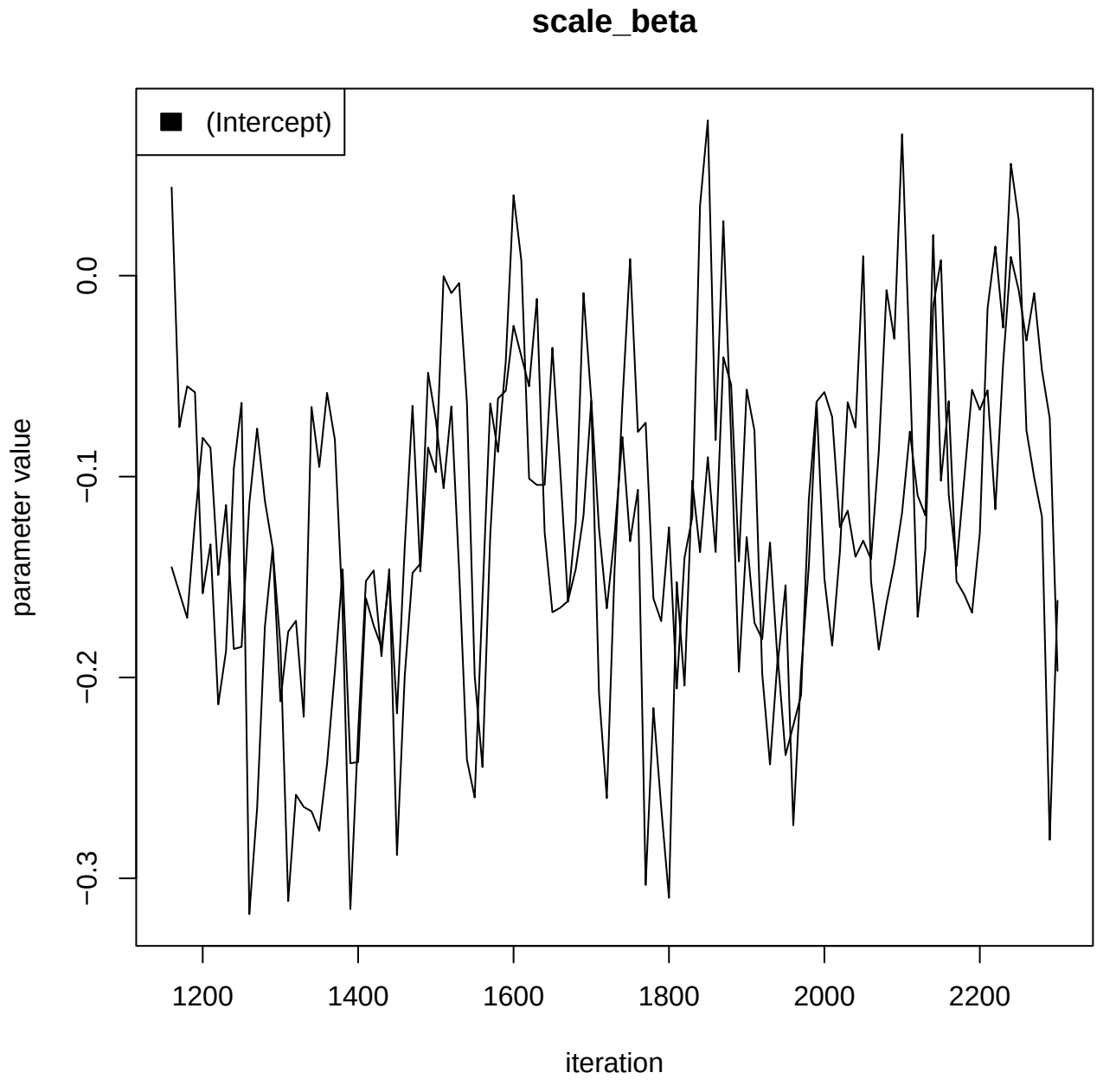
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
1200
1400
1600
1800
2000
2200
iteration


scale_beta
(Intercept)
parameter value
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−0.2
−0.3
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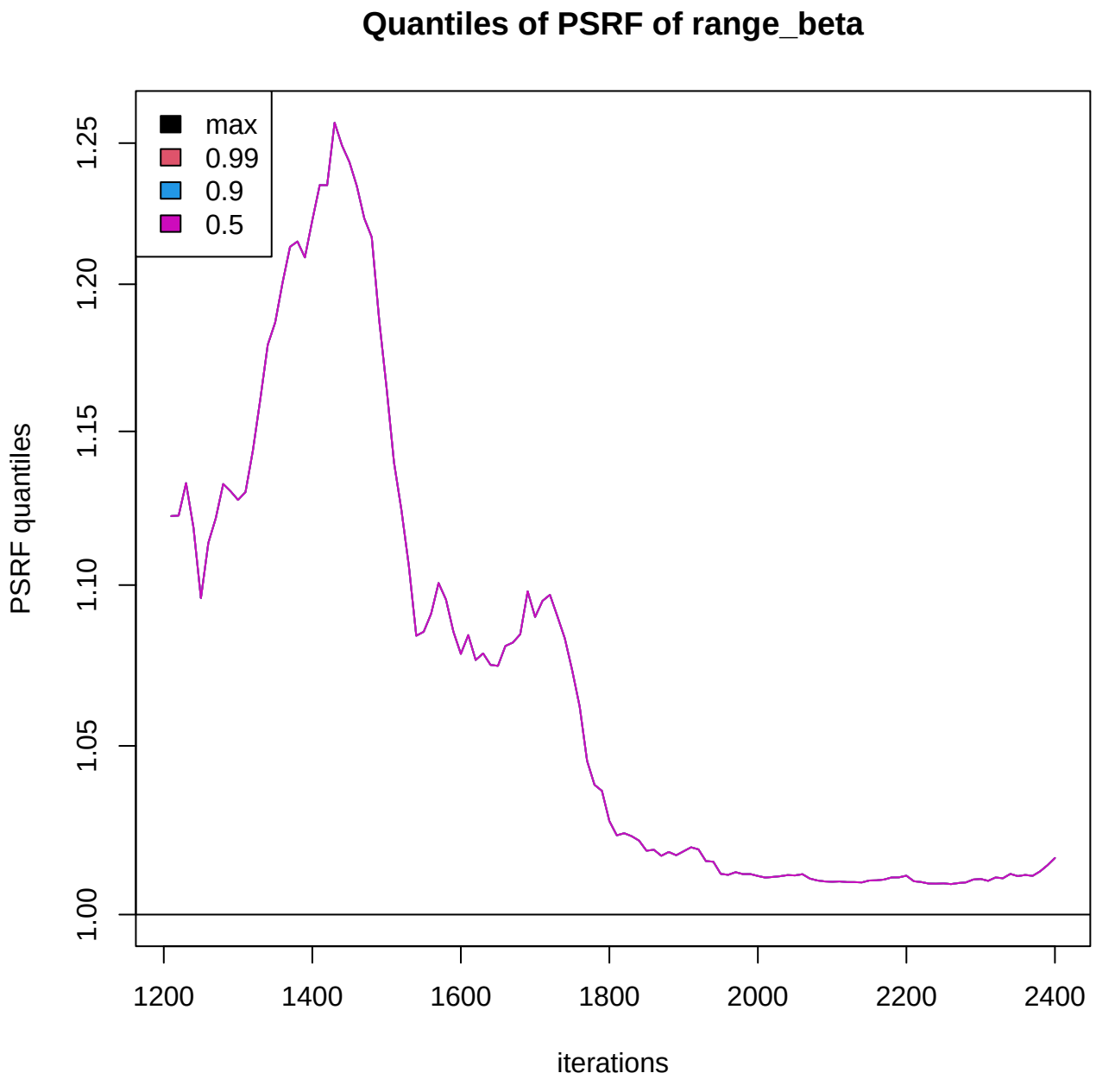
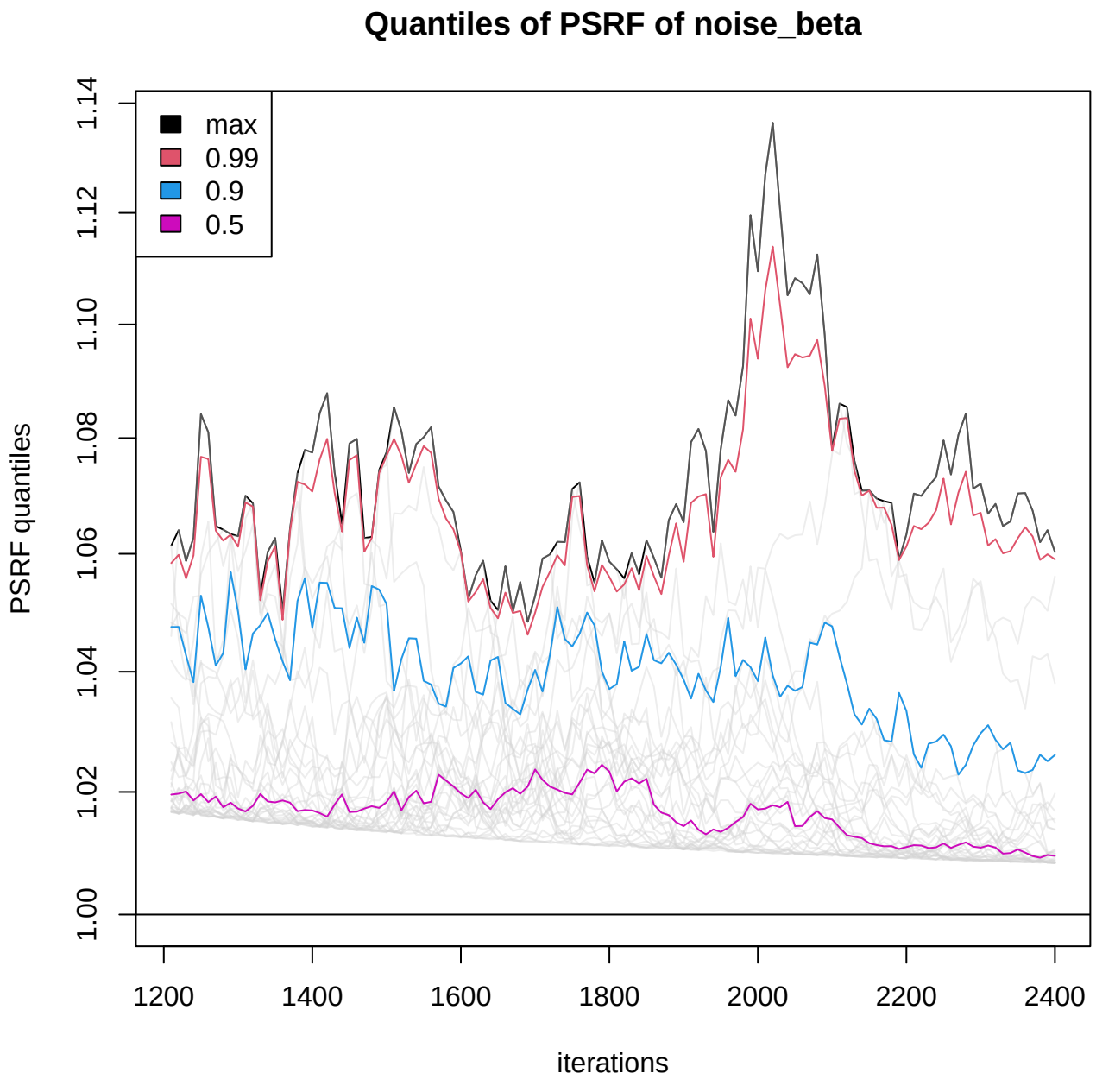
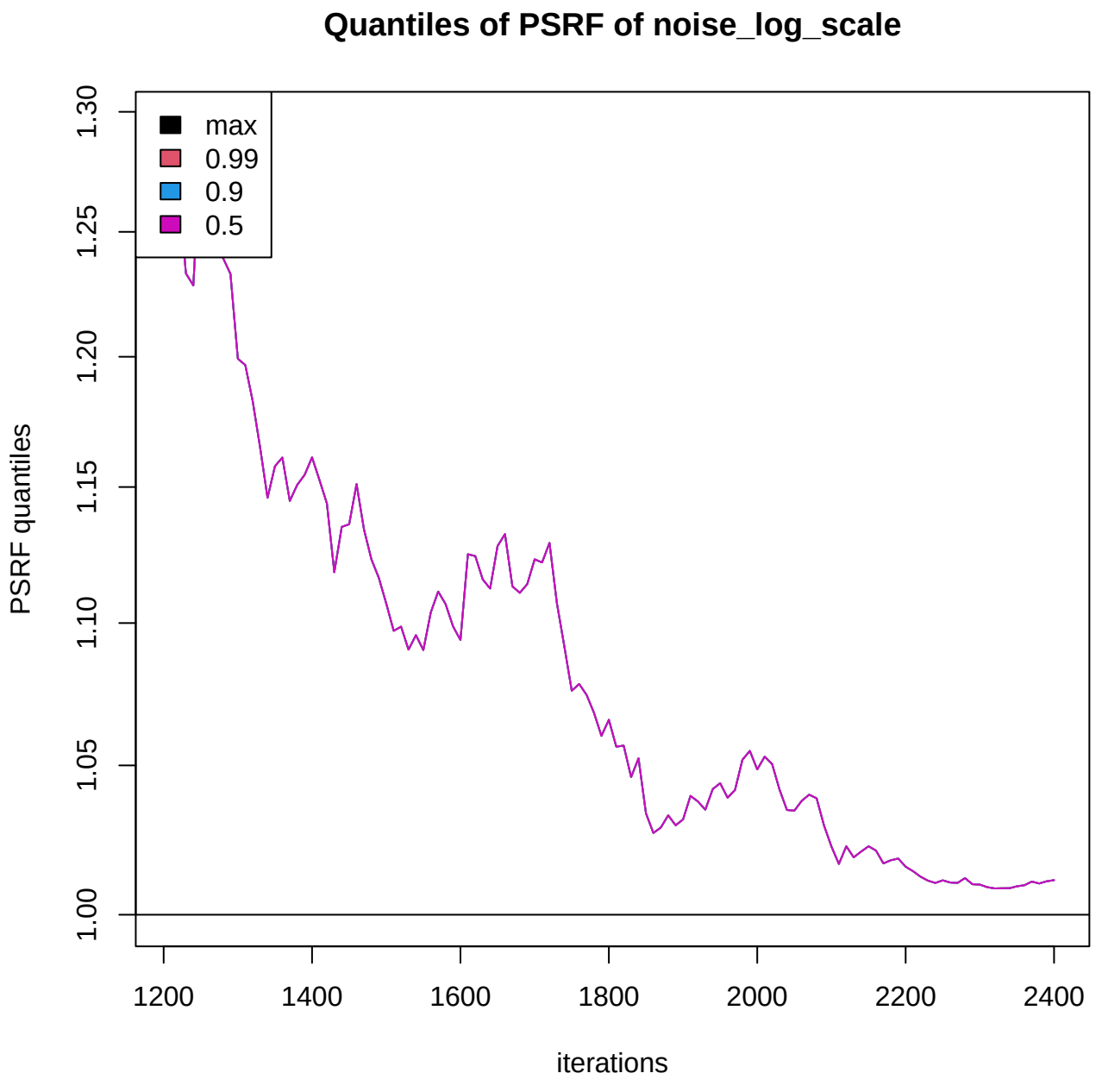
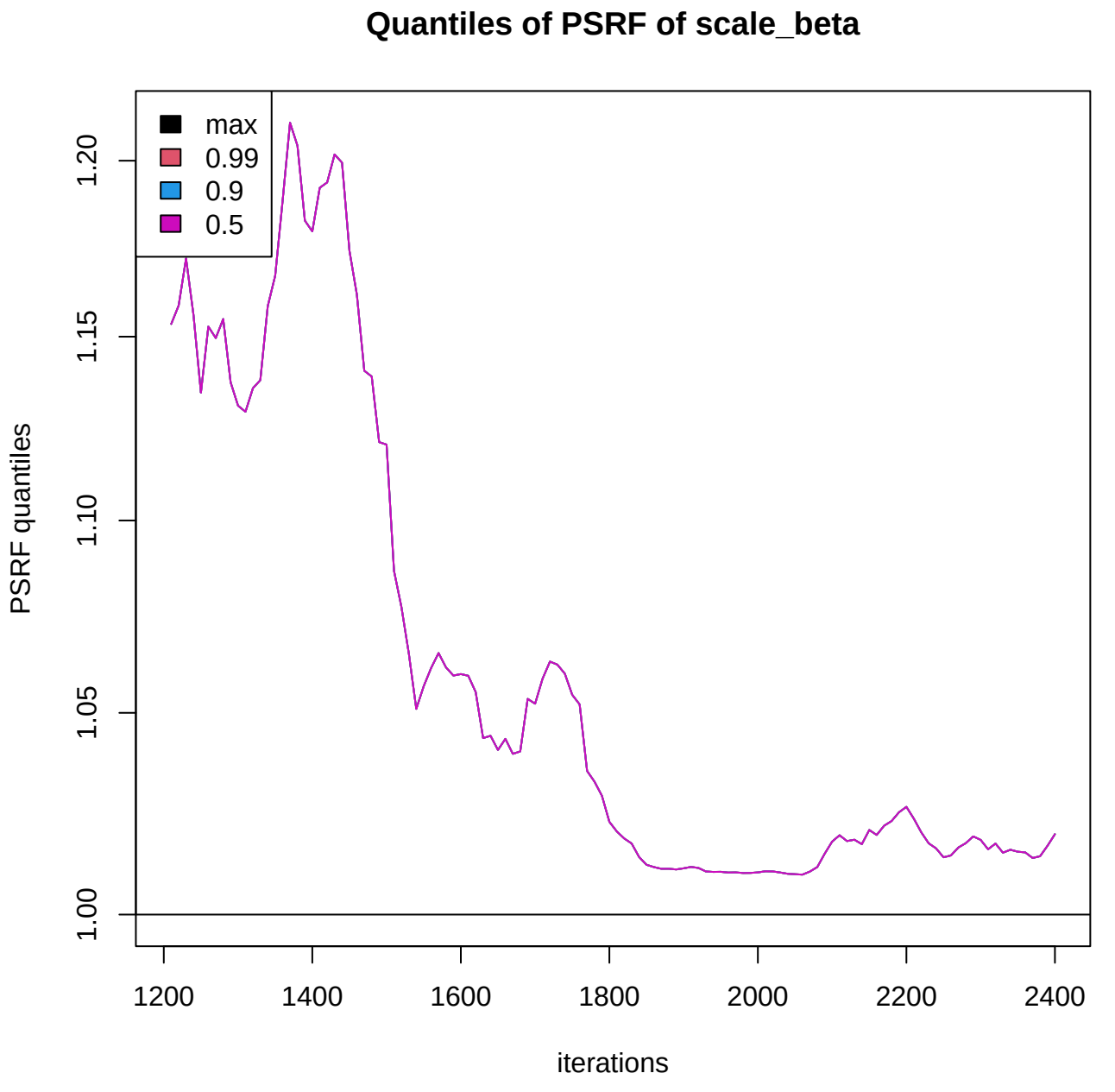
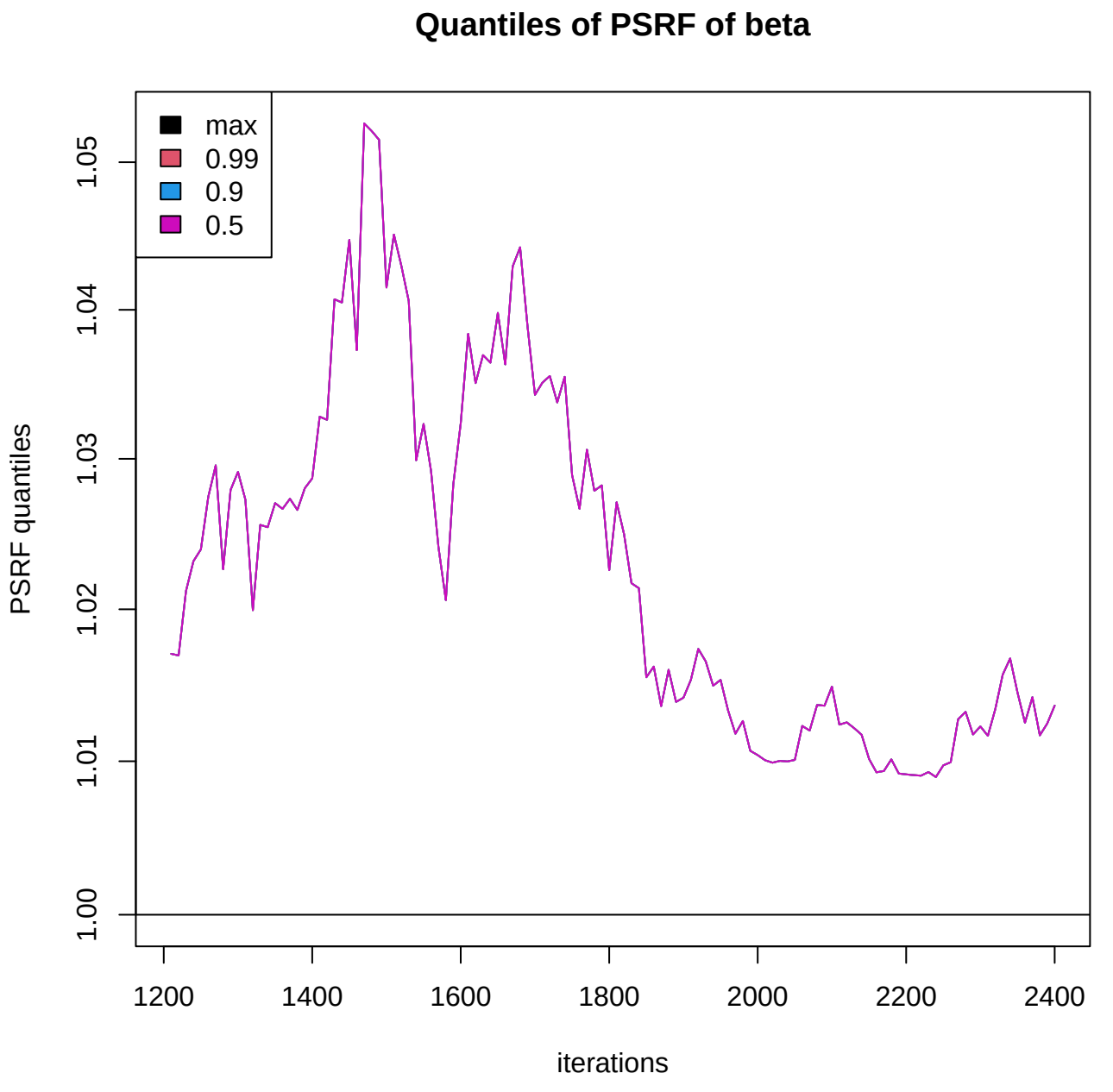
1400
1600
1800
2000
2200
iteration

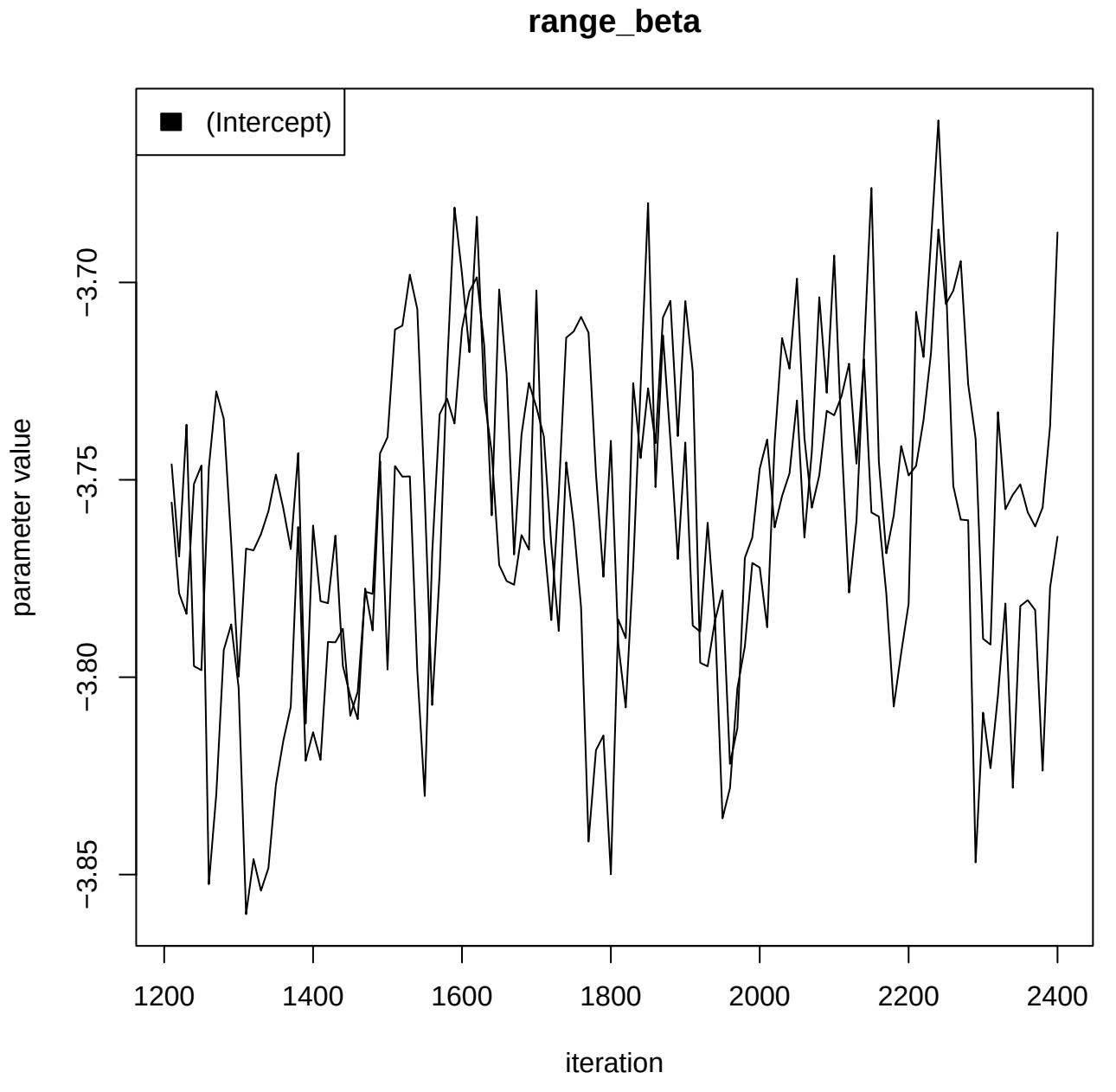

Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1200
1400
1600
1800
2000
2200
2400
iterations

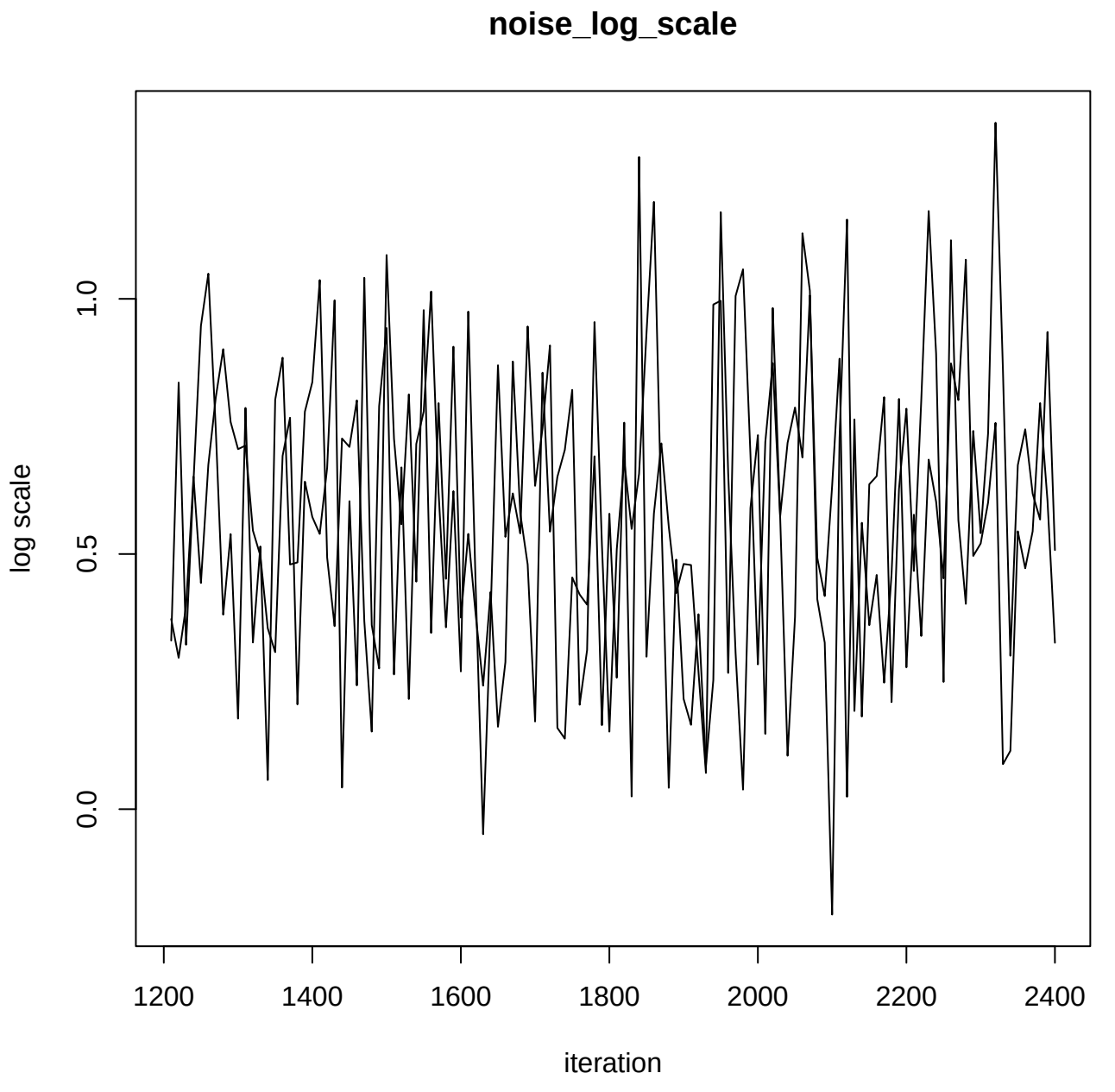

Quantiles of PSRF of noise_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.02
1.04
1.06
1.08
1.10
1.12
1.14
1200
1400
1600
1800
2000
2200
2400
iterations

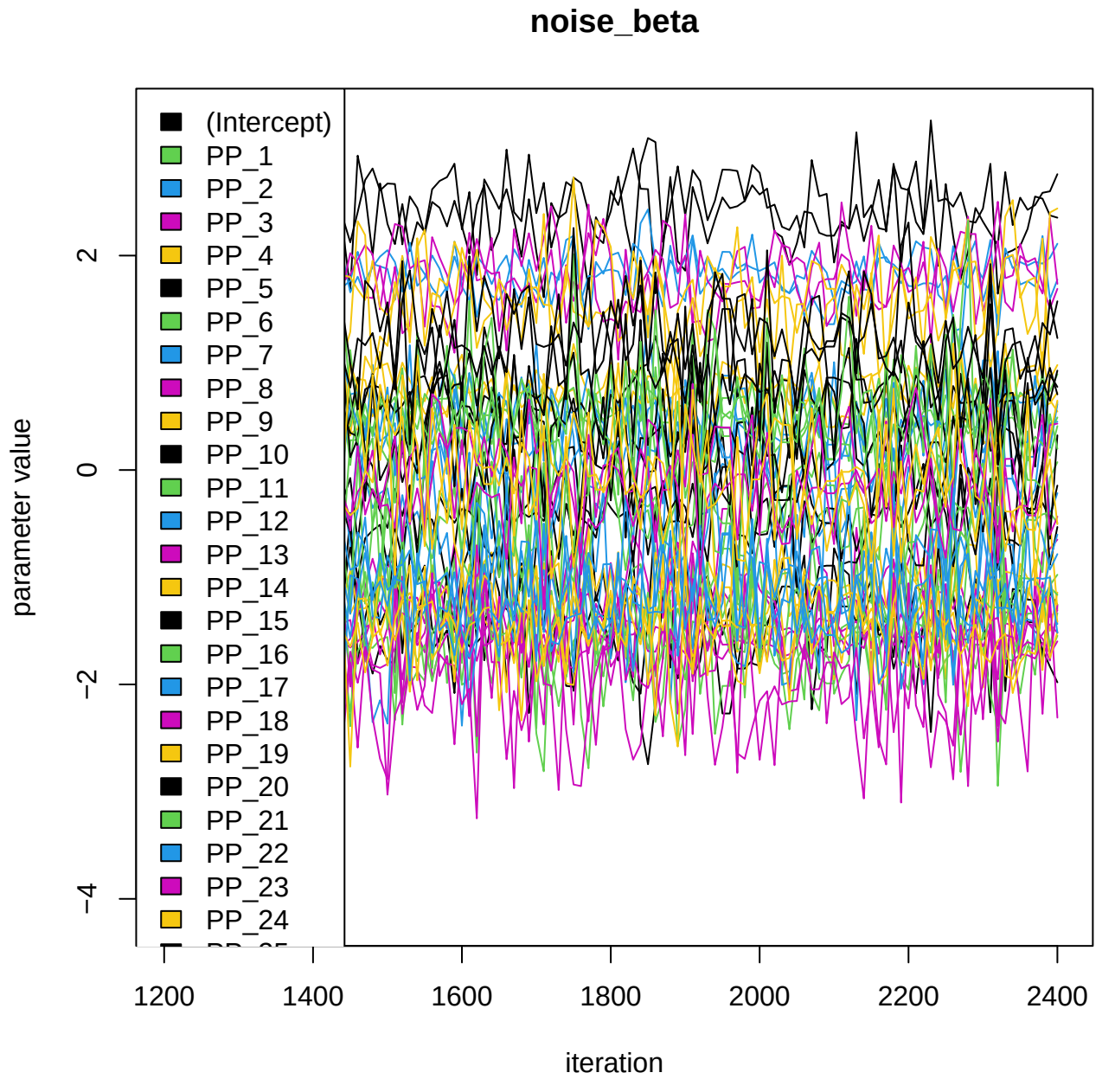

Quantiles of PSRF of noise_log_scale
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1200
1400
1600
1800
2000
2200
2400
iterations

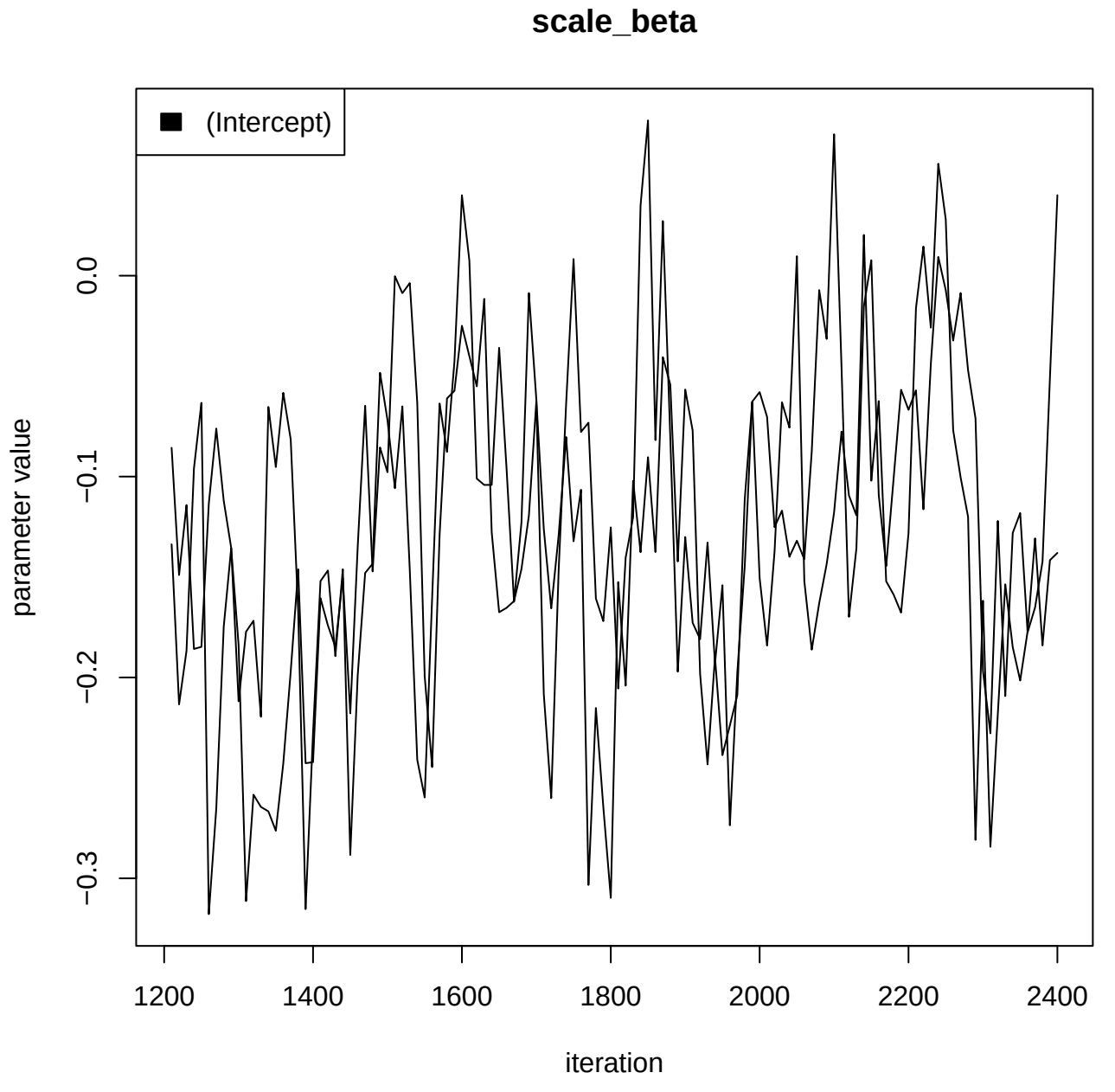

Quantiles of PSRF of scale_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1200
1400
1600
1800
2000
2200
2400
iterations

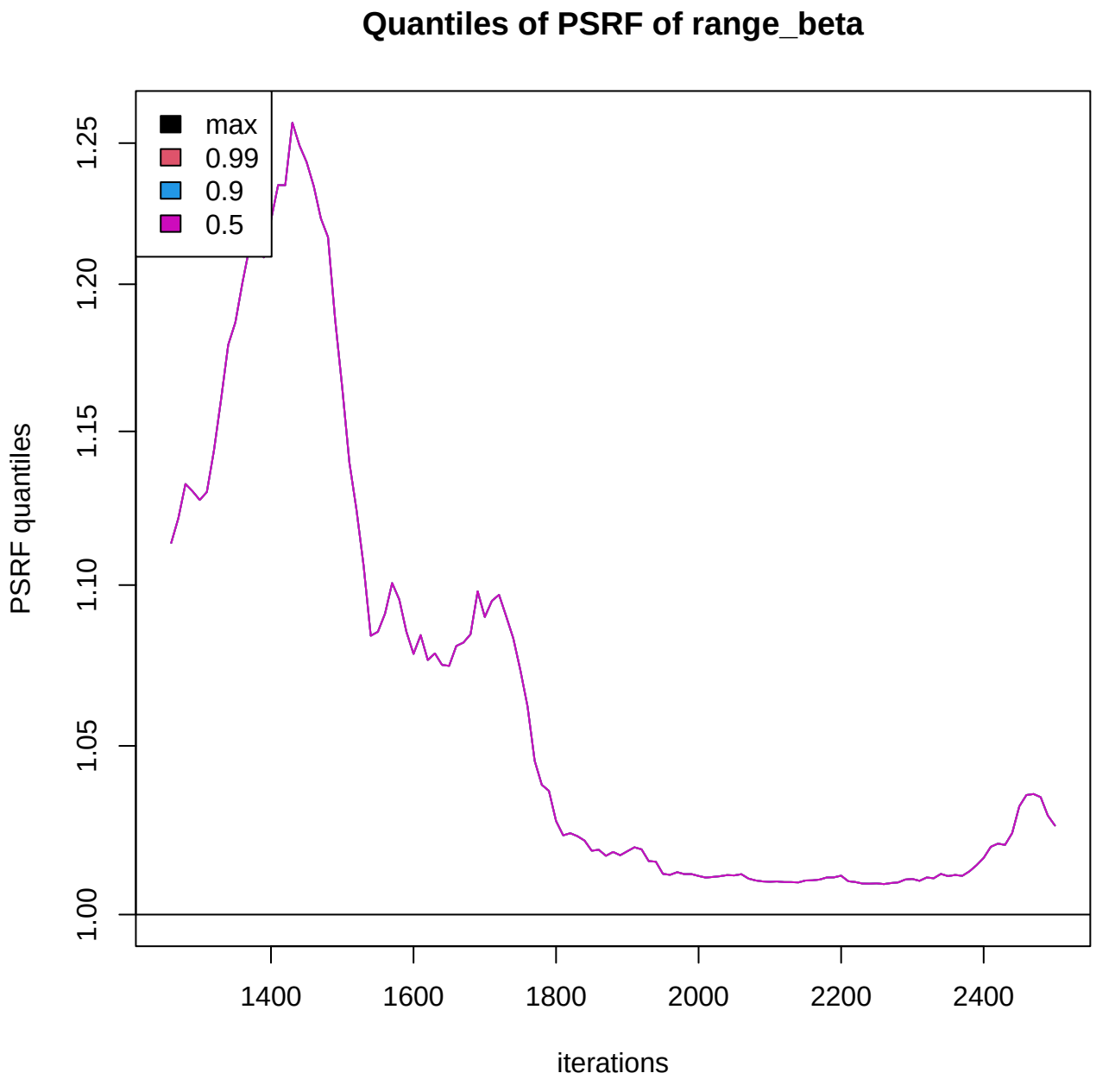

Quantiles of PSRF of beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.01
1.02
1.03
1.04
1.05
1200
1400
1600
1800
2000
2200
2400
iterations

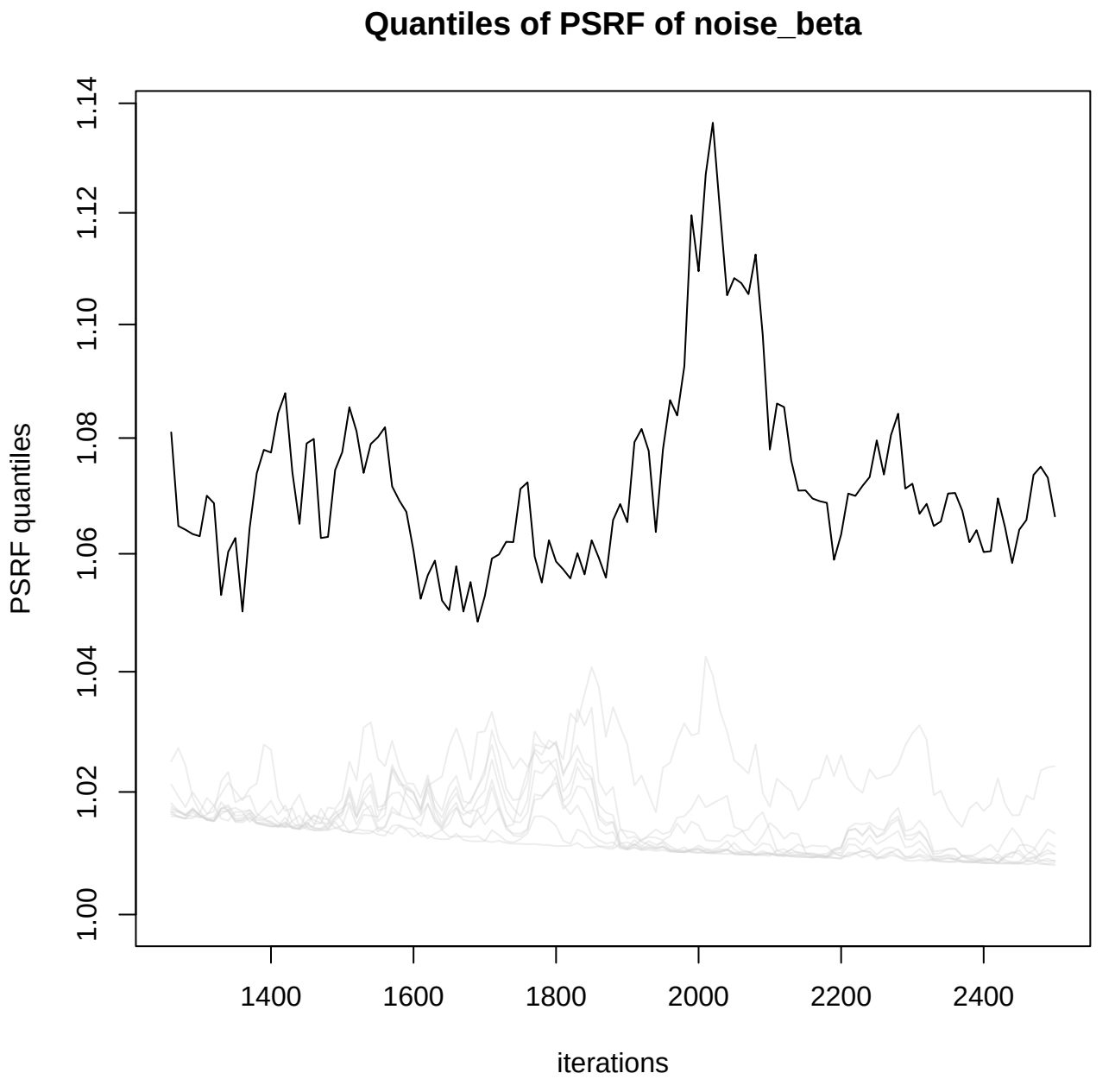

range_beta
(Intercept)
parameter value
−3.70
−3.75
−3.80
−3.85
1200
1400
1600
1800
2000
2200
2400
iteration

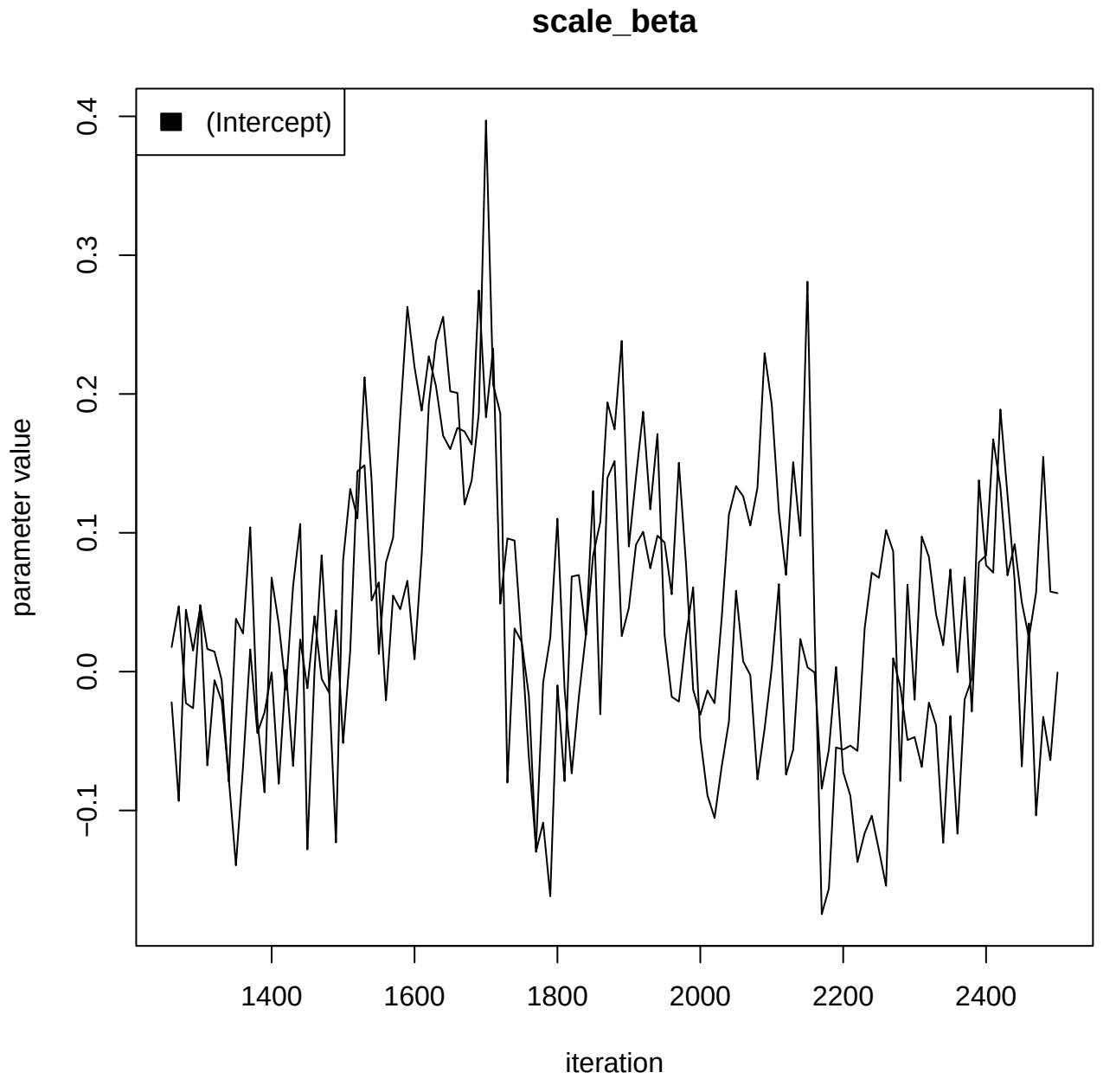

noise_log_scale
log scale
0.0
0.5
1.0
1200
1400
1600
1800
2000
2200
2400
iteration


noise_beta
(Intercept)
PP_1
PP_2
PP_3
PP_4
PP_5
PP_6
PP_7
PP_8
PP_9
PP_10
PP_11
PP_12
PP_13
PP_14
PP_15
PP_16
PP_17
PP_18
PP_19
PP_20
PP_21
PP_22
PP_23
PP_24
parameter value
2
0
−2
−4
1200
1400
1600
1800
2000
2200
2400
iteration

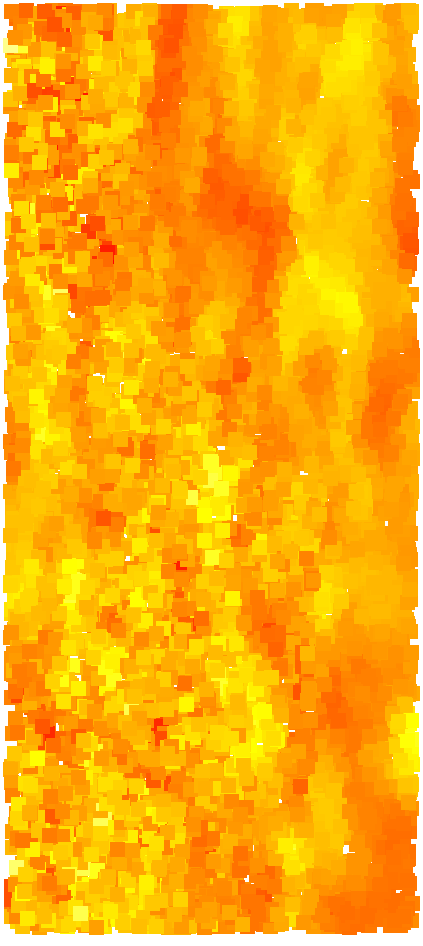

scale_beta
(Intercept)
parameter value
0.0
−0.1
−0.2
−0.3
1200
1400
1600
1800
2000
2200
2400
iteration


Quantiles of PSRF of range_beta
max
0.99
0.9
0.5
PSRF quantiles
1.00
1.05
1.10
1.15
1.20
1.25
1400
1600
1800
2000
2200
2400
iterations

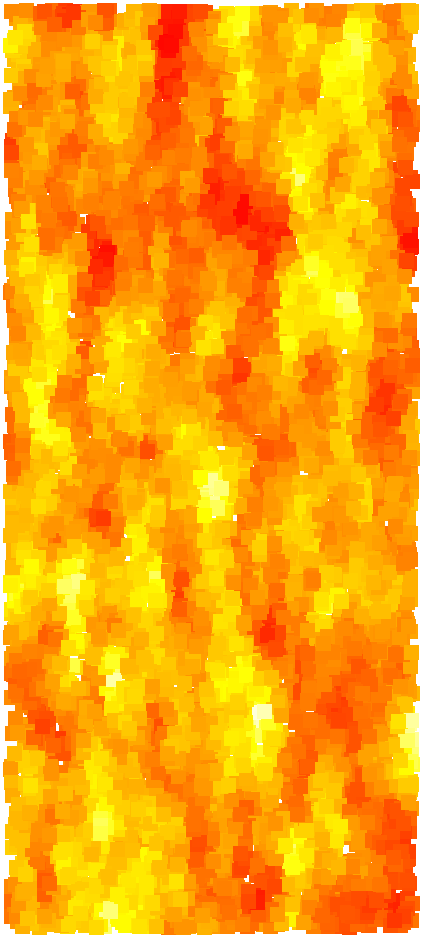

Quantiles of PSRF of noise_beta
PSRF quantiles
1.00
1.02
1.04
1.06
1.08
1.10
1.12
1.14
1400
1600
1800
2000
2200
2400
iterations


scale_beta
(Intercept)
parameter value
0.4
0.3
0.2
0.1
0.0
−0.1
1400
1600
1800
2000
2200
2400
iteration

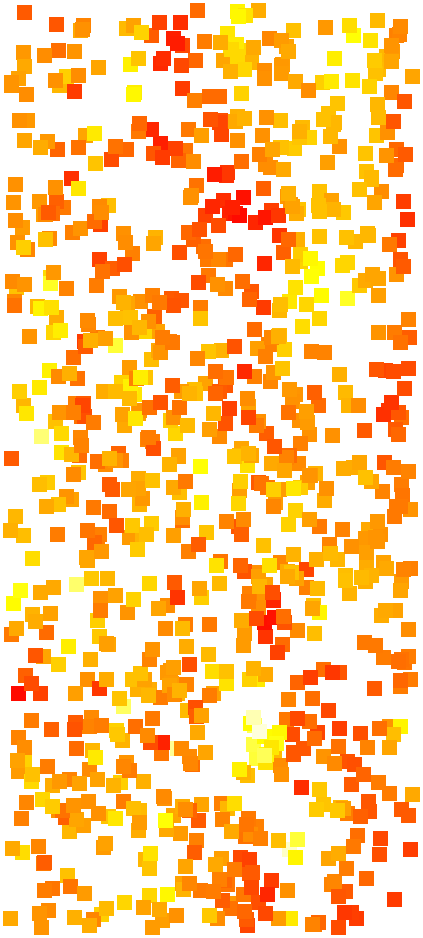
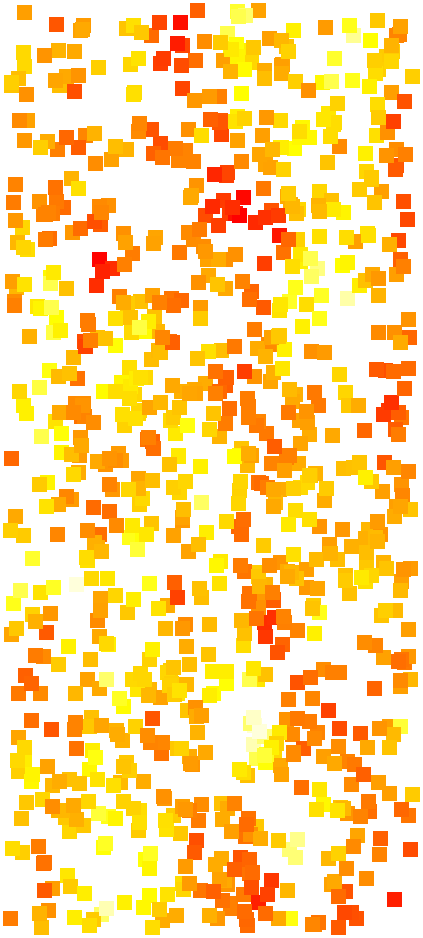
deepGP smooth mean



true w



deepGP smooth mean



true w pred