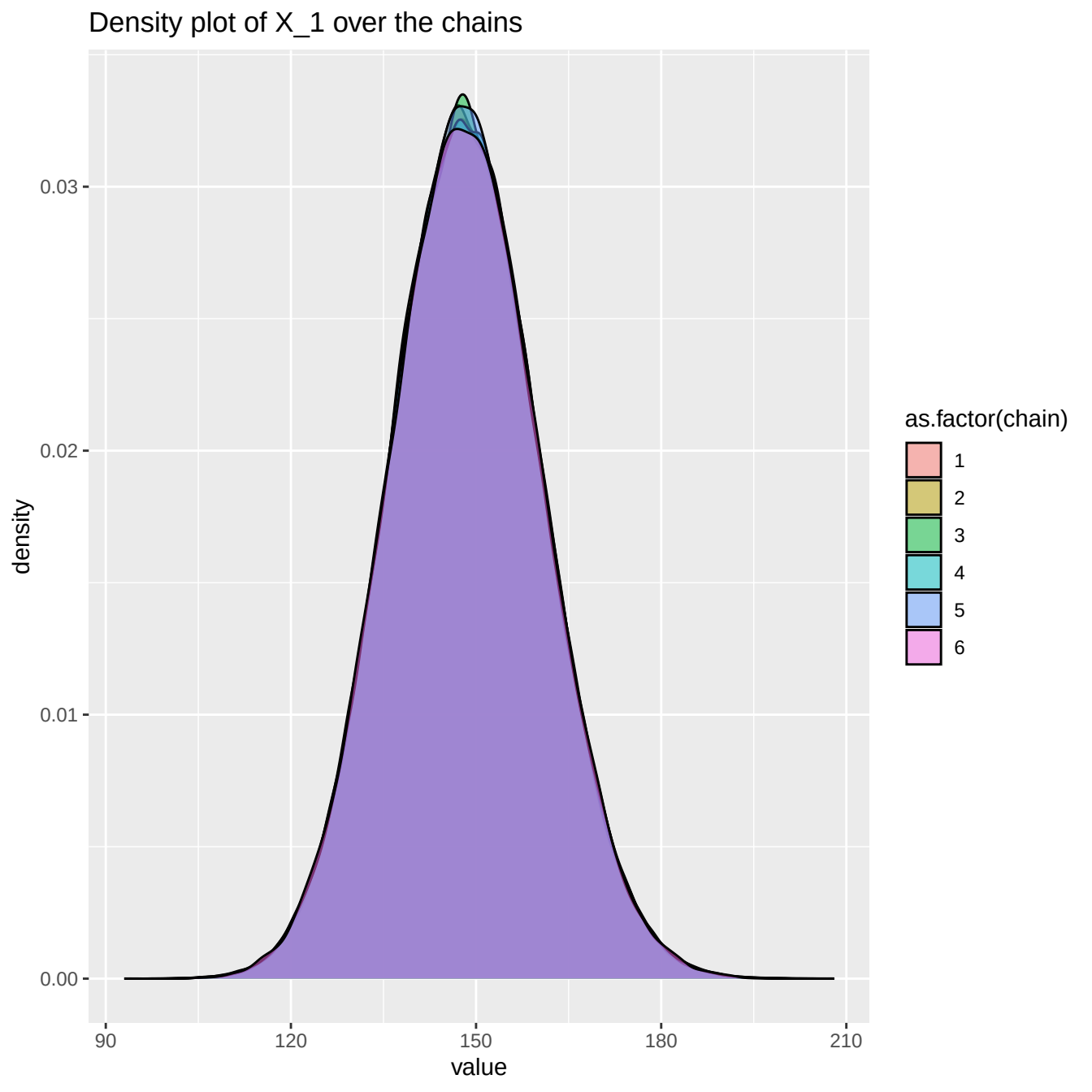
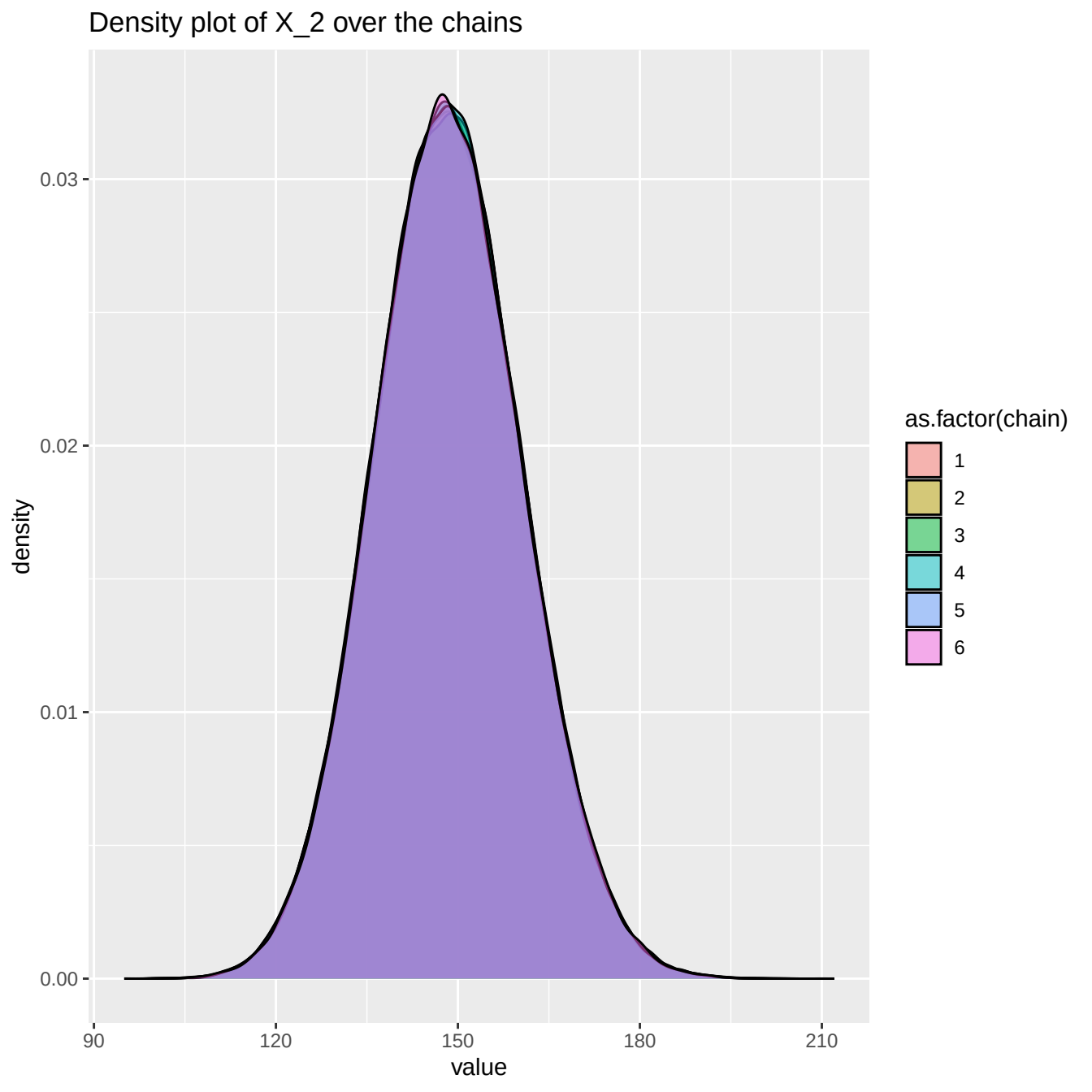
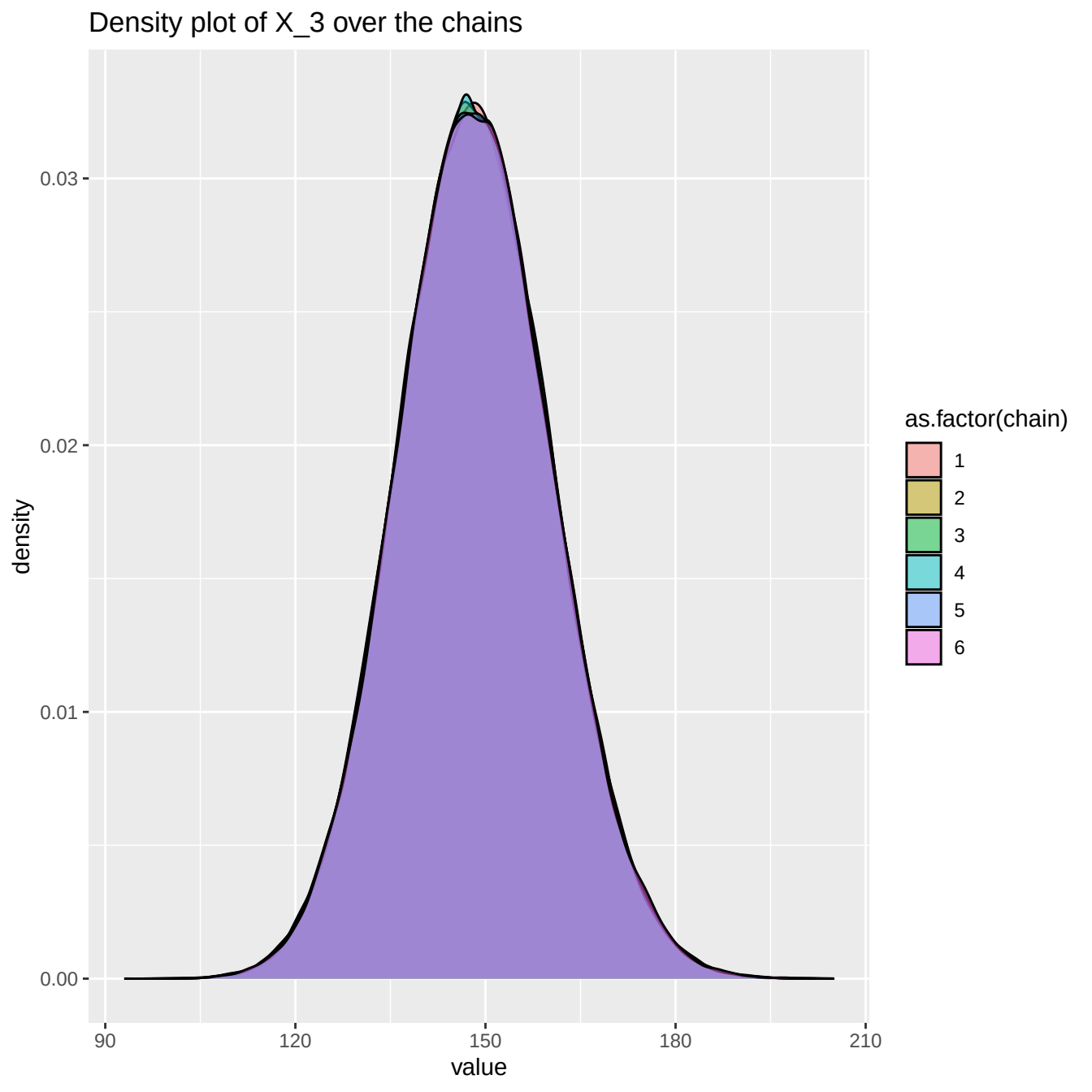
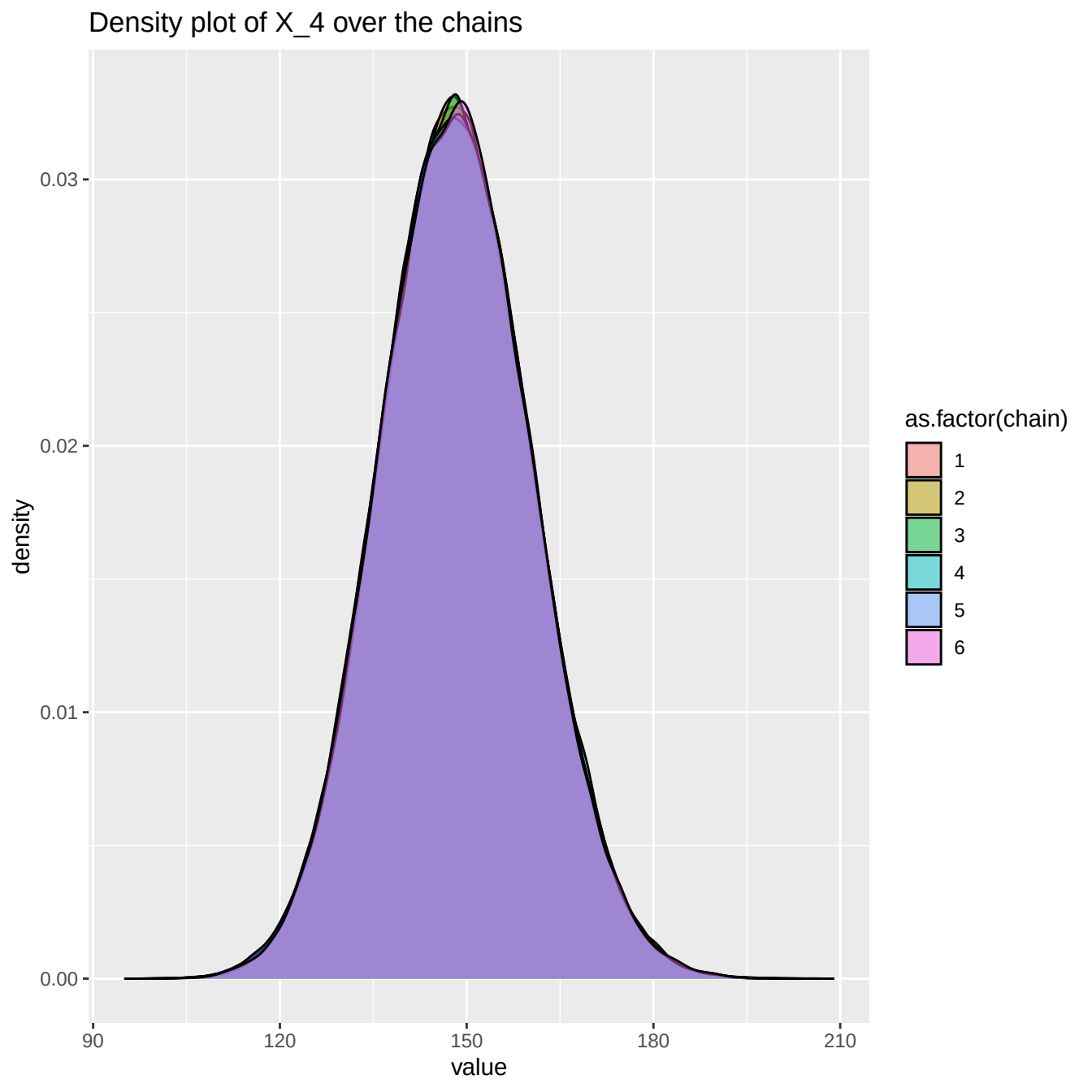
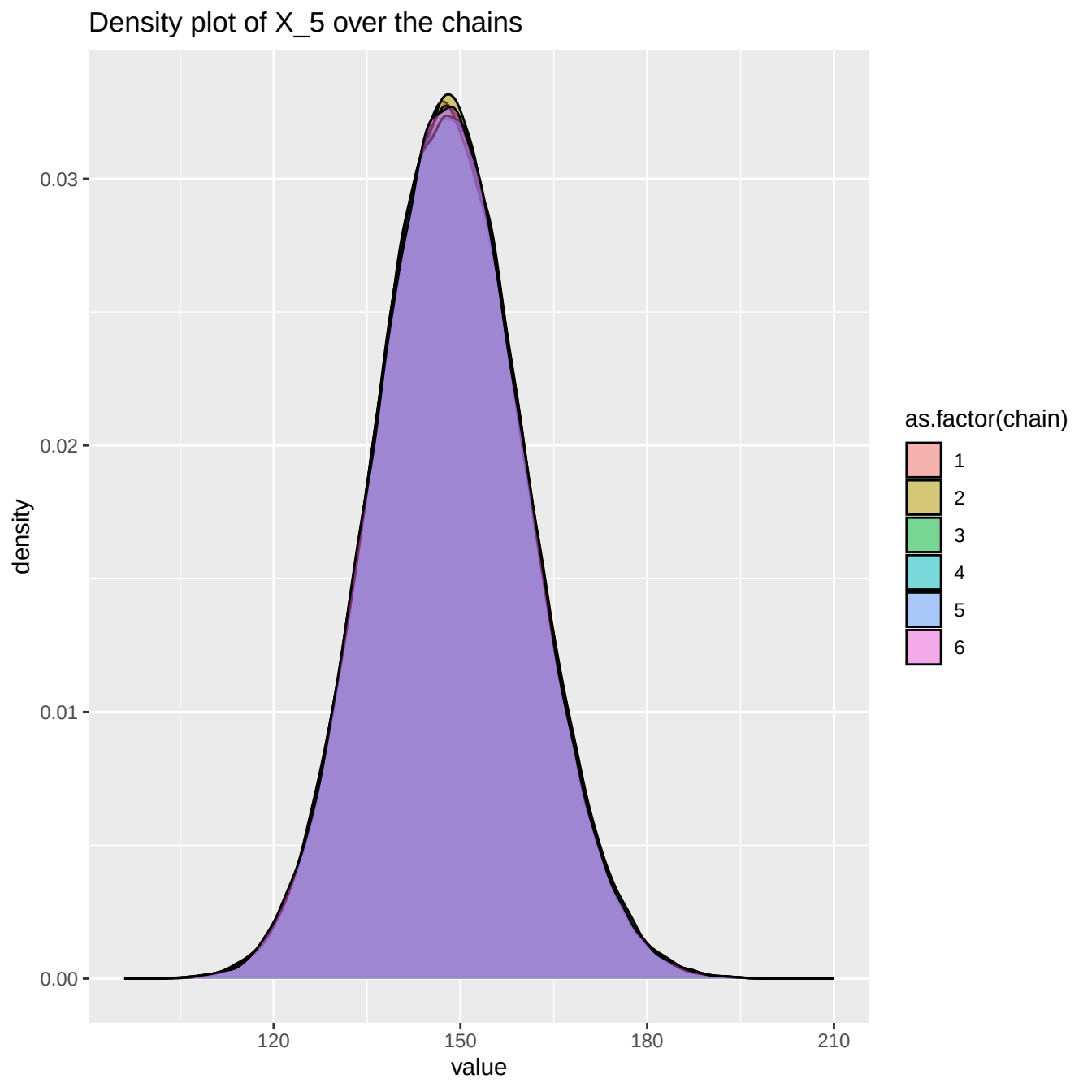
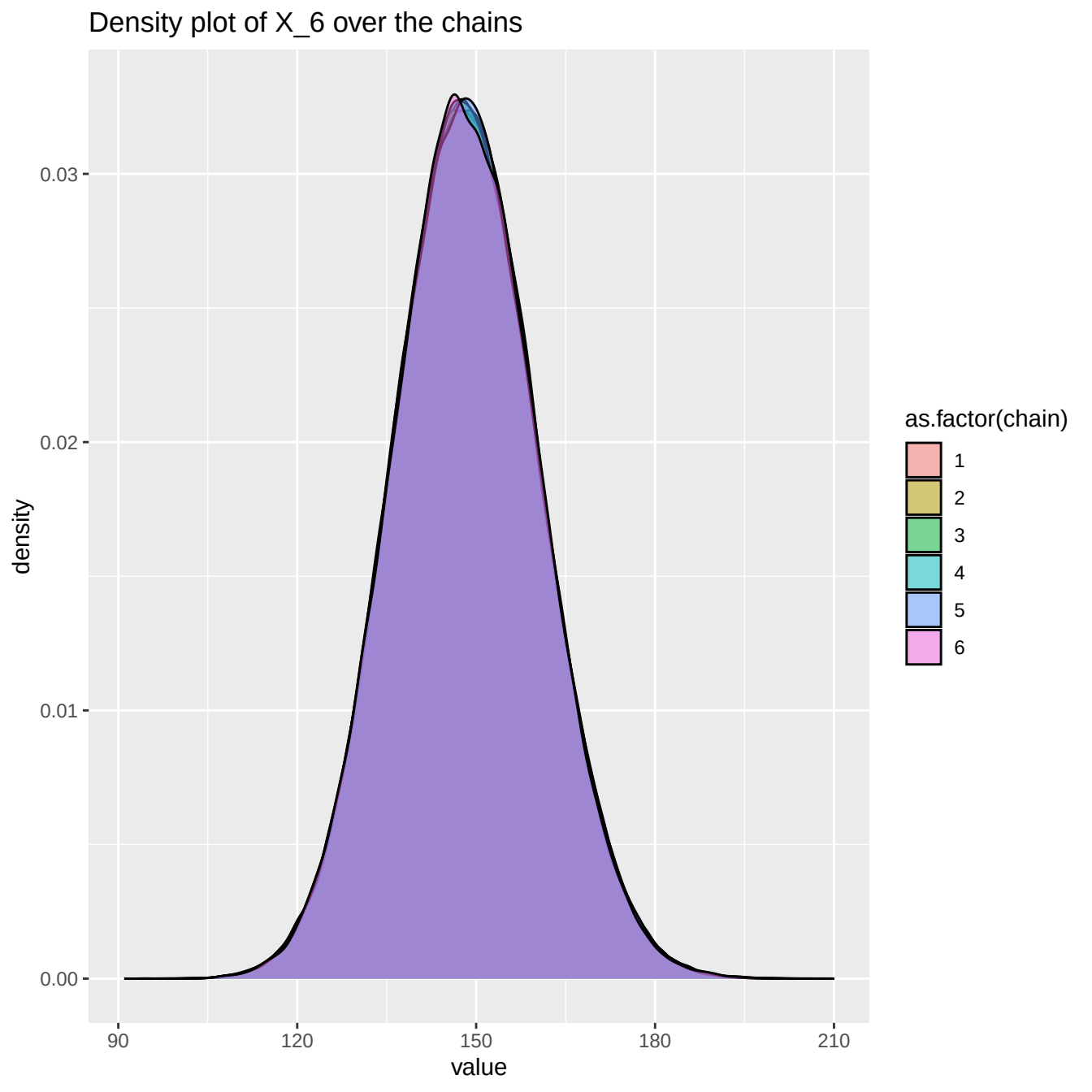

Density plot of X_1 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

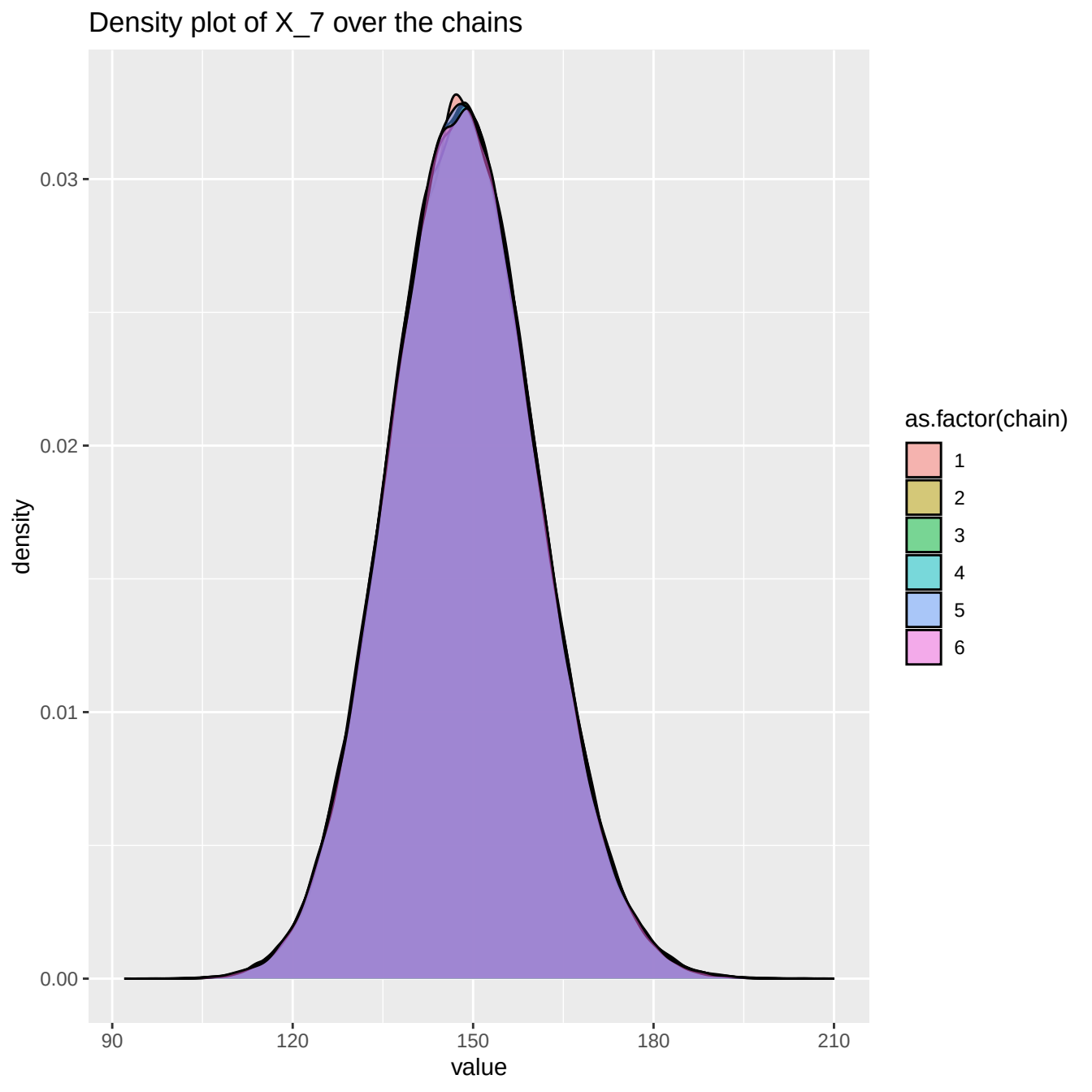

Density plot of X_2 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

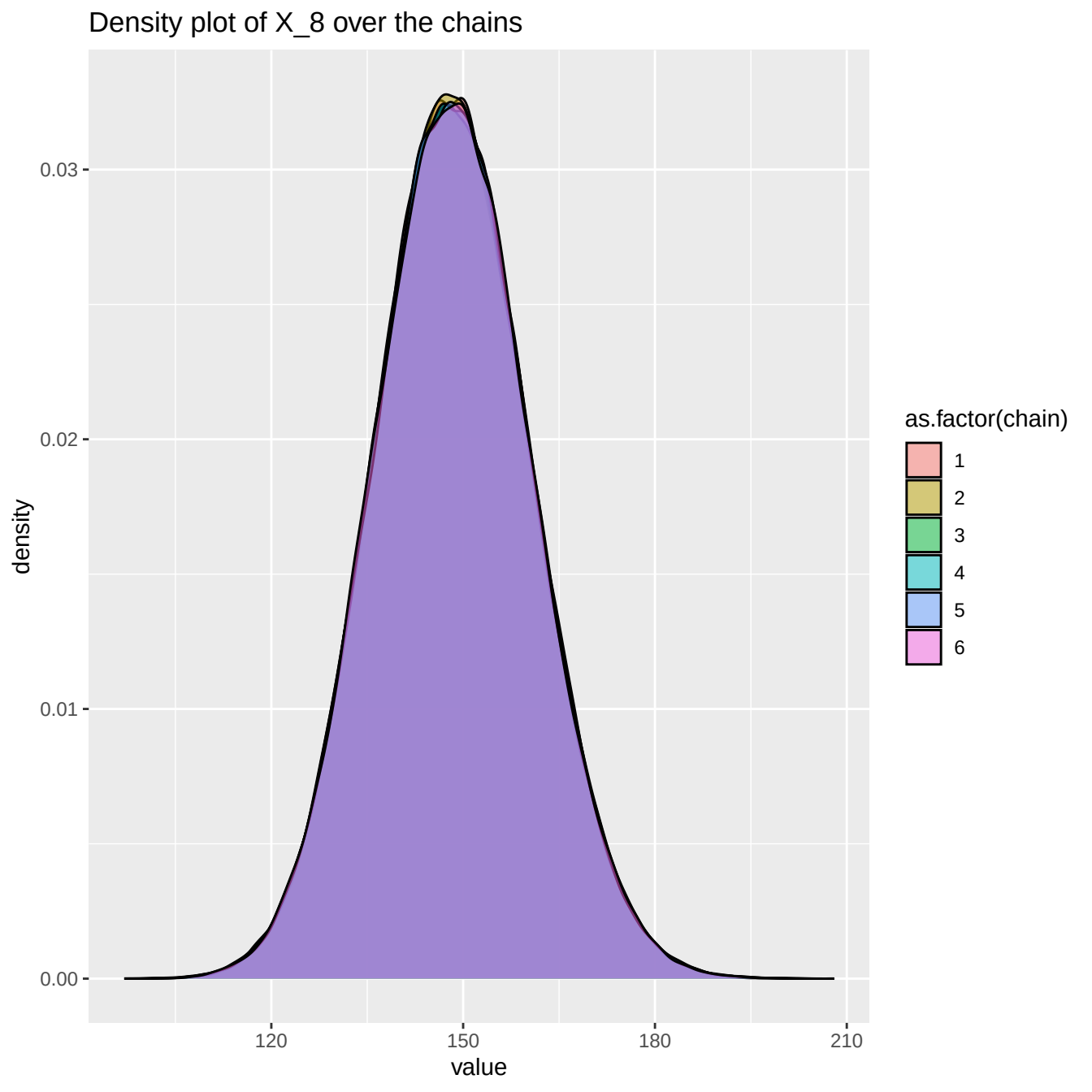

Density plot of X_3 over the chains
0.03
0.02
0.01
0.00
density
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

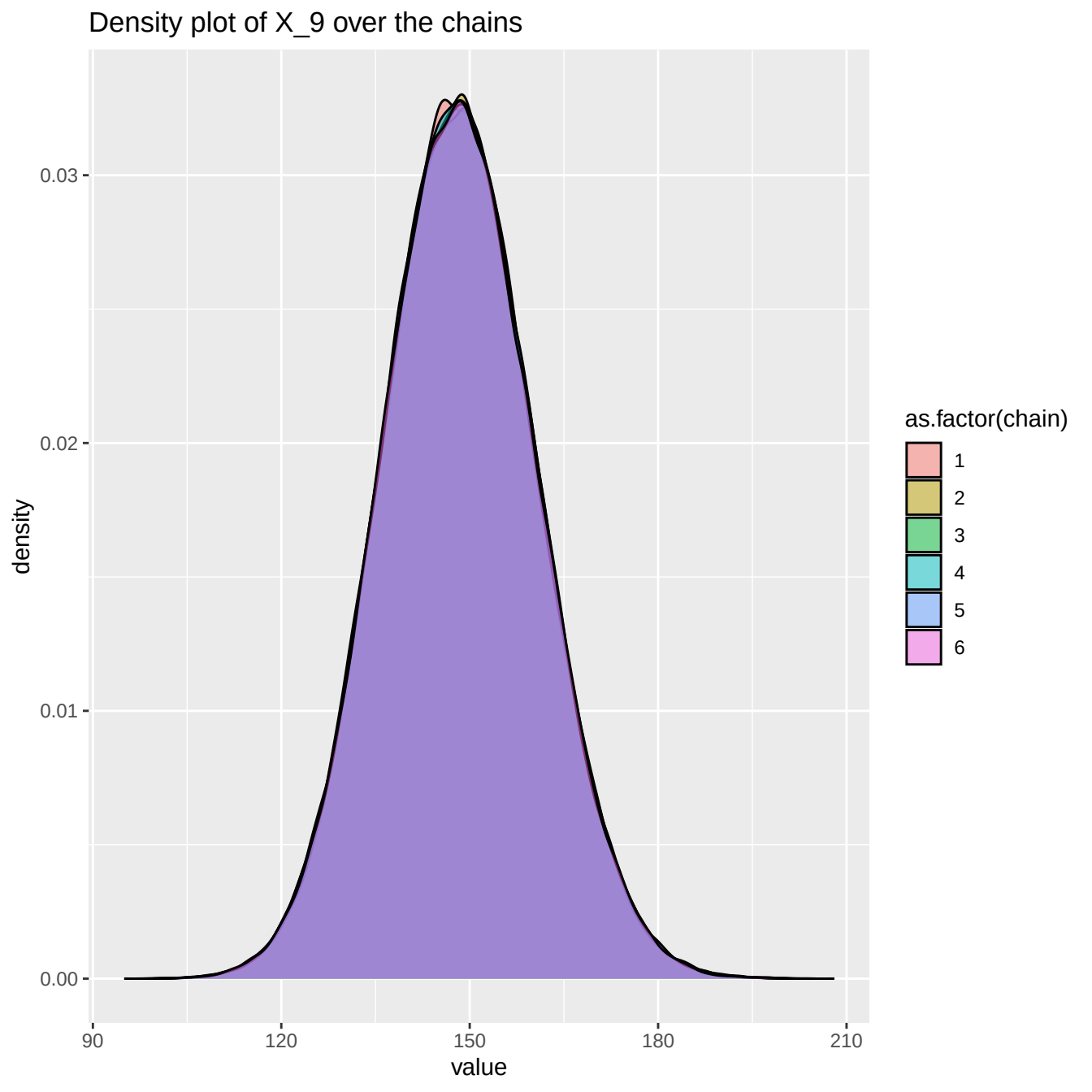

Density plot of X_4 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

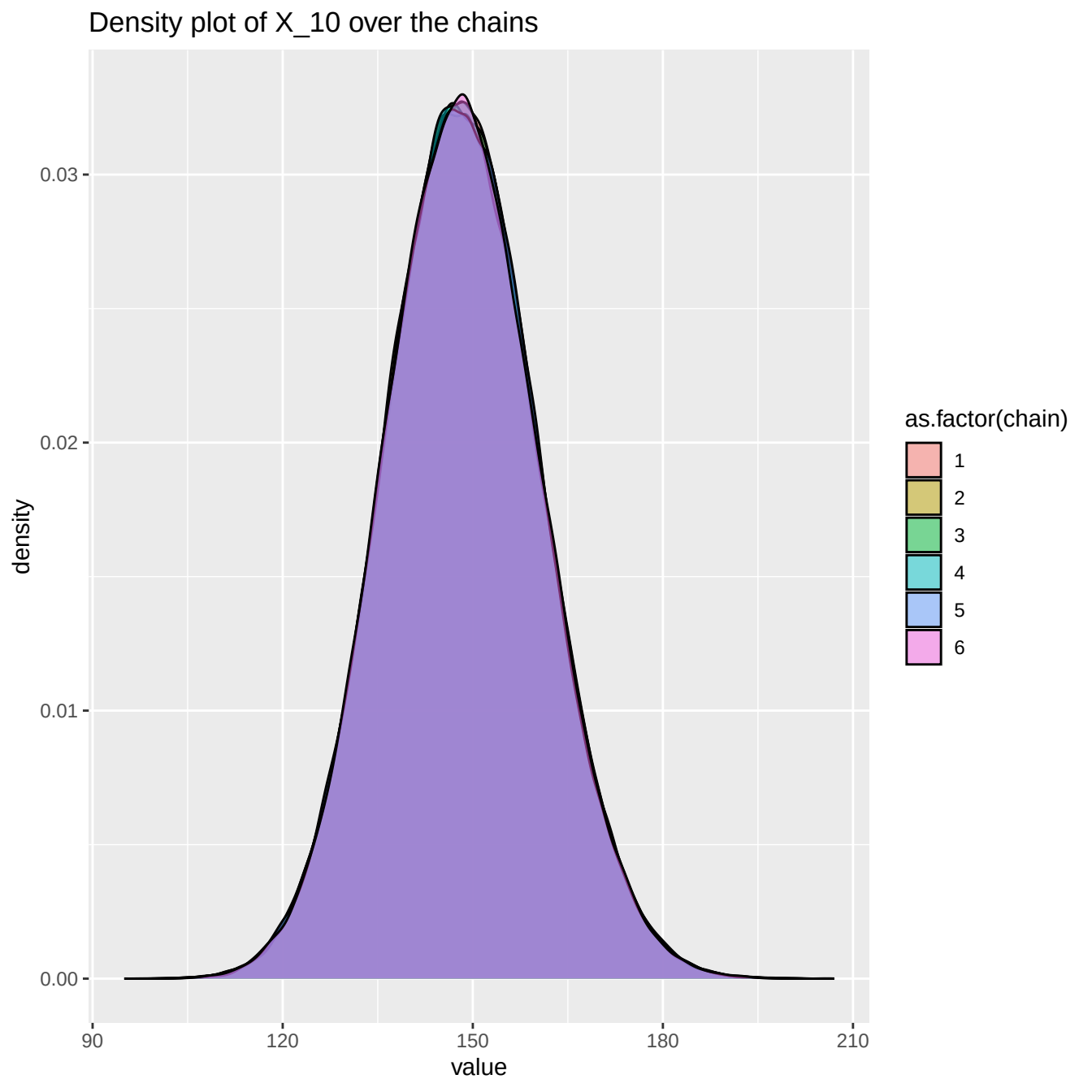

Density plot of X_5 over the chains
0.03
0.02
0.01
0.00
density
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

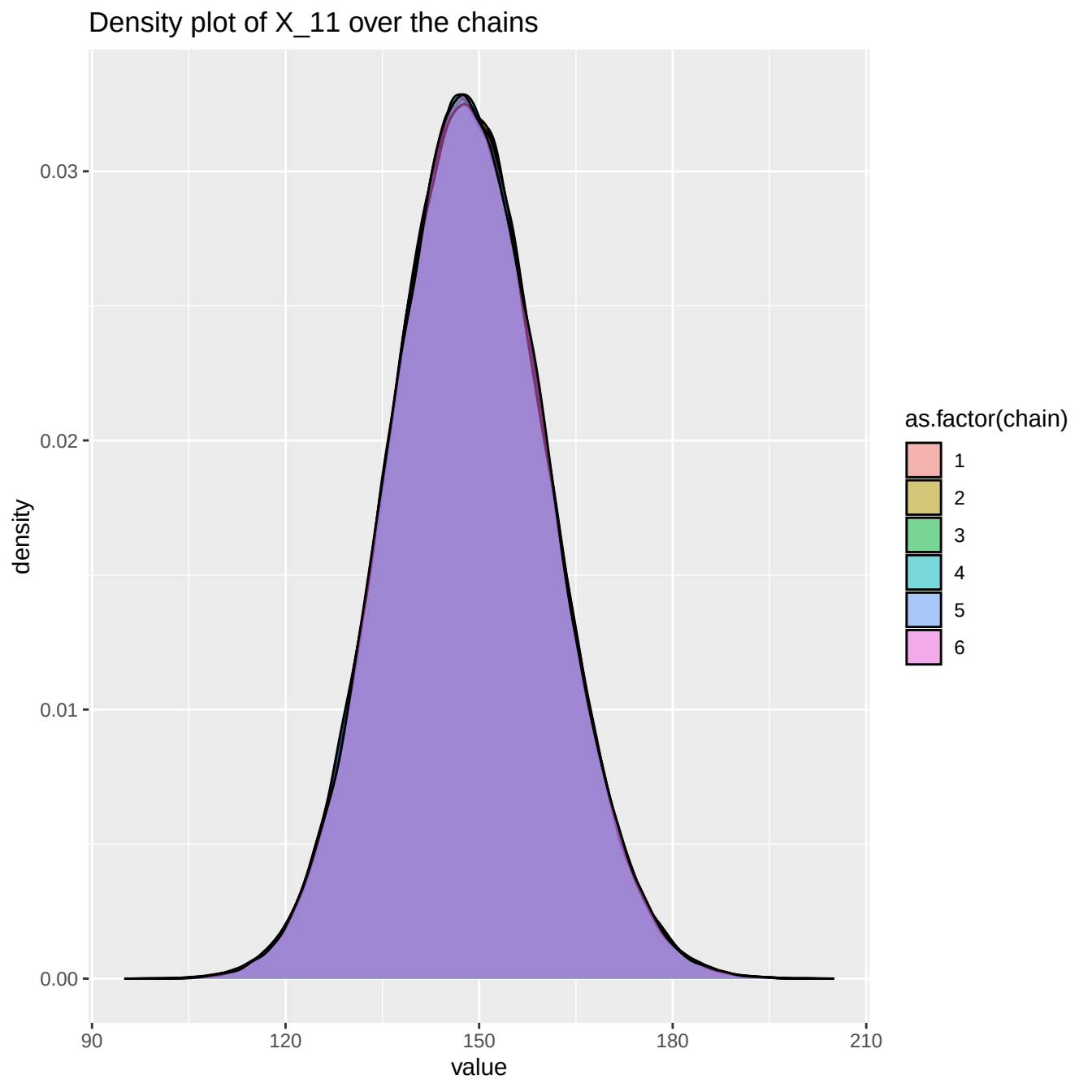

Density plot of X_6 over the chains
0.03
0.02
0.01
0.00
density
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

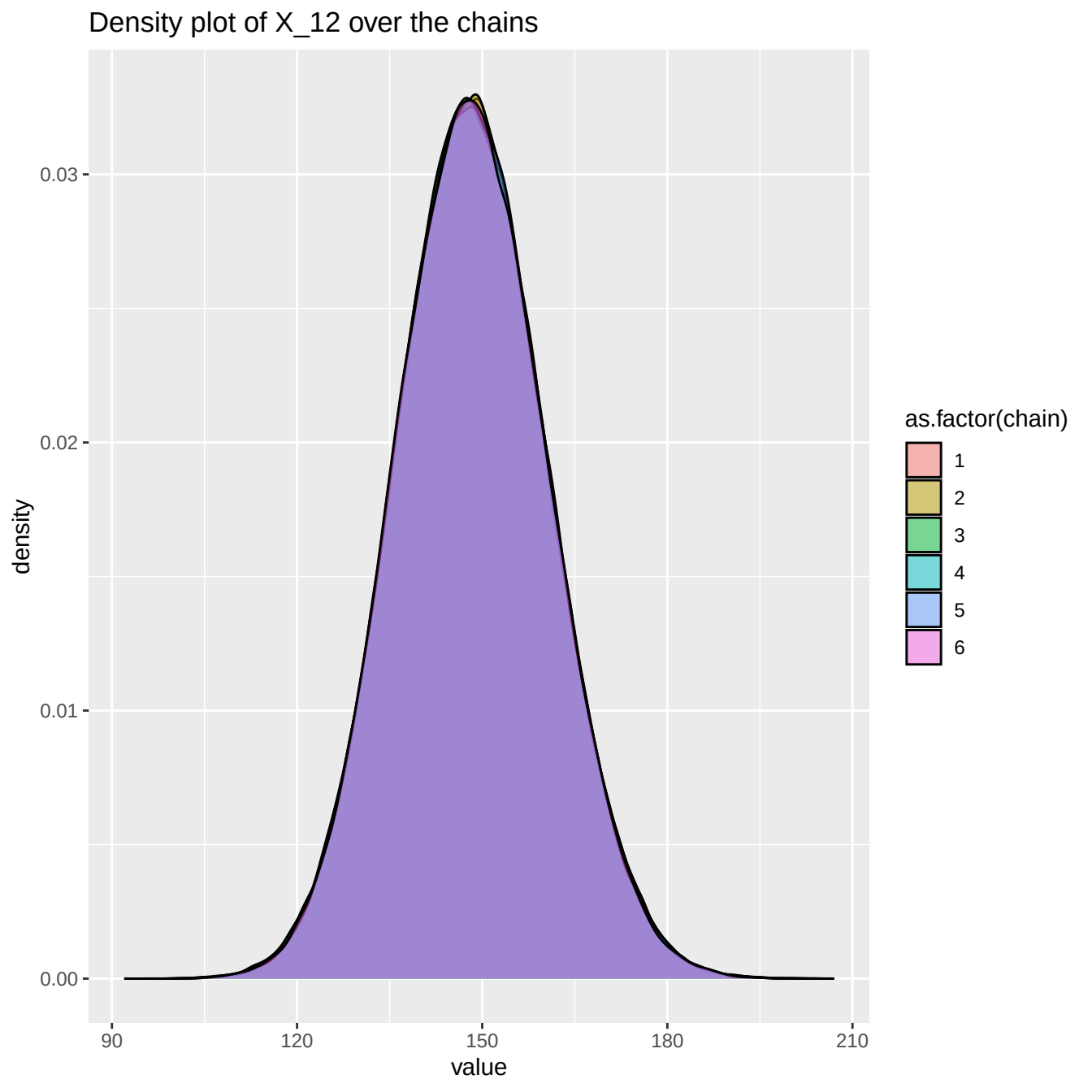

Density plot of X_7 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

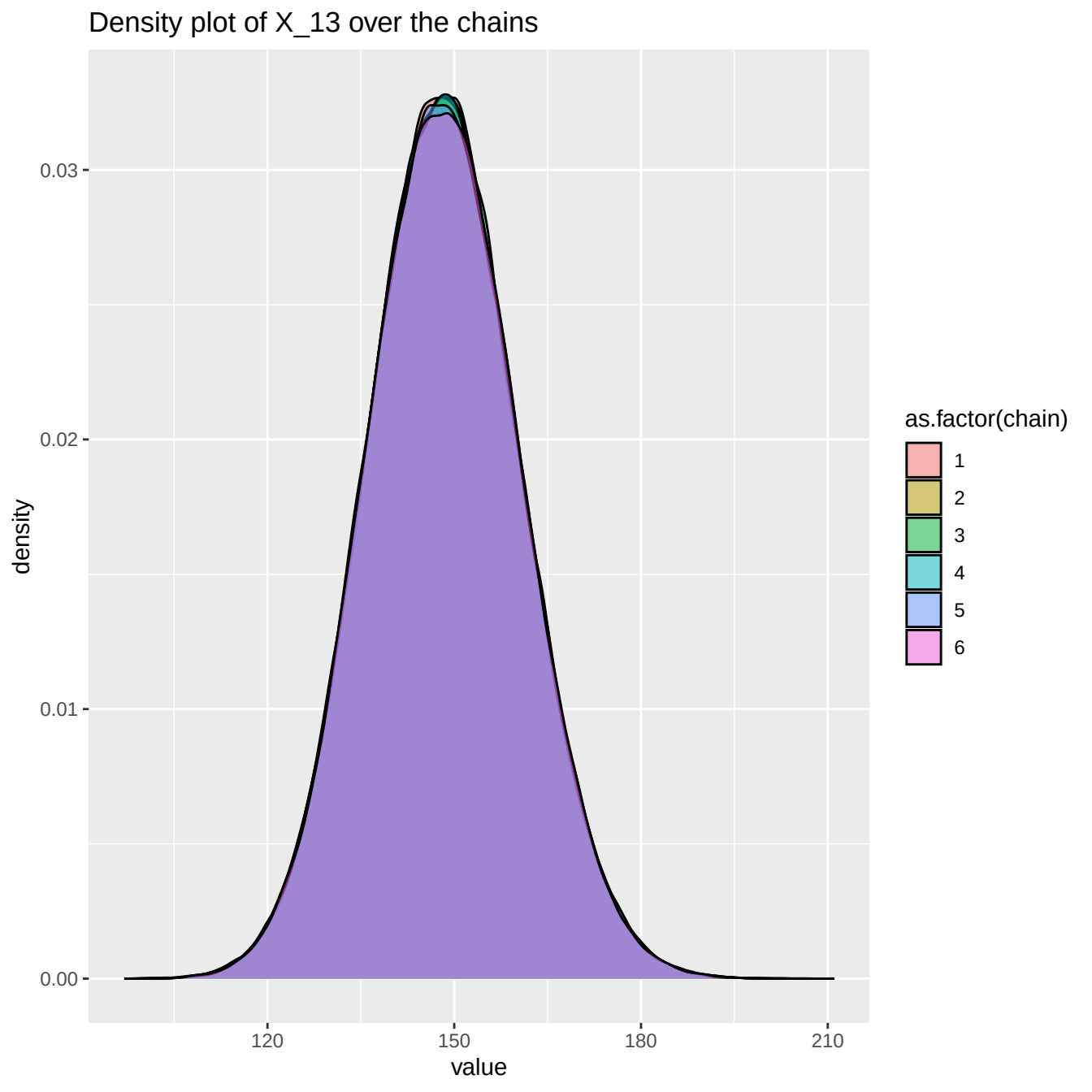

Density plot of X_8 over the chains
density
0.03
0.02
0.01
0.00
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

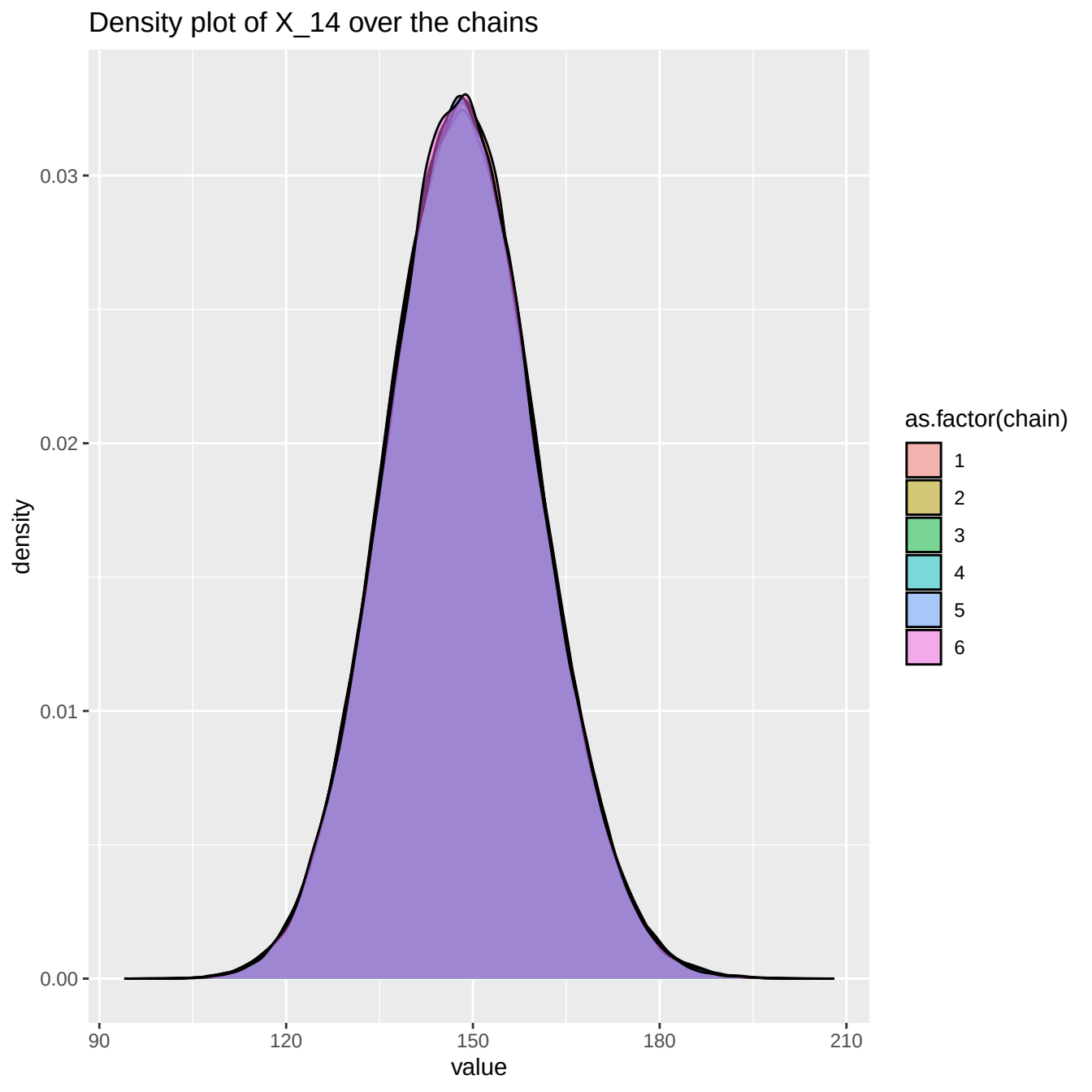

Density plot of X_9 over the chains
0.03
0.02
0.01
0.00
density
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

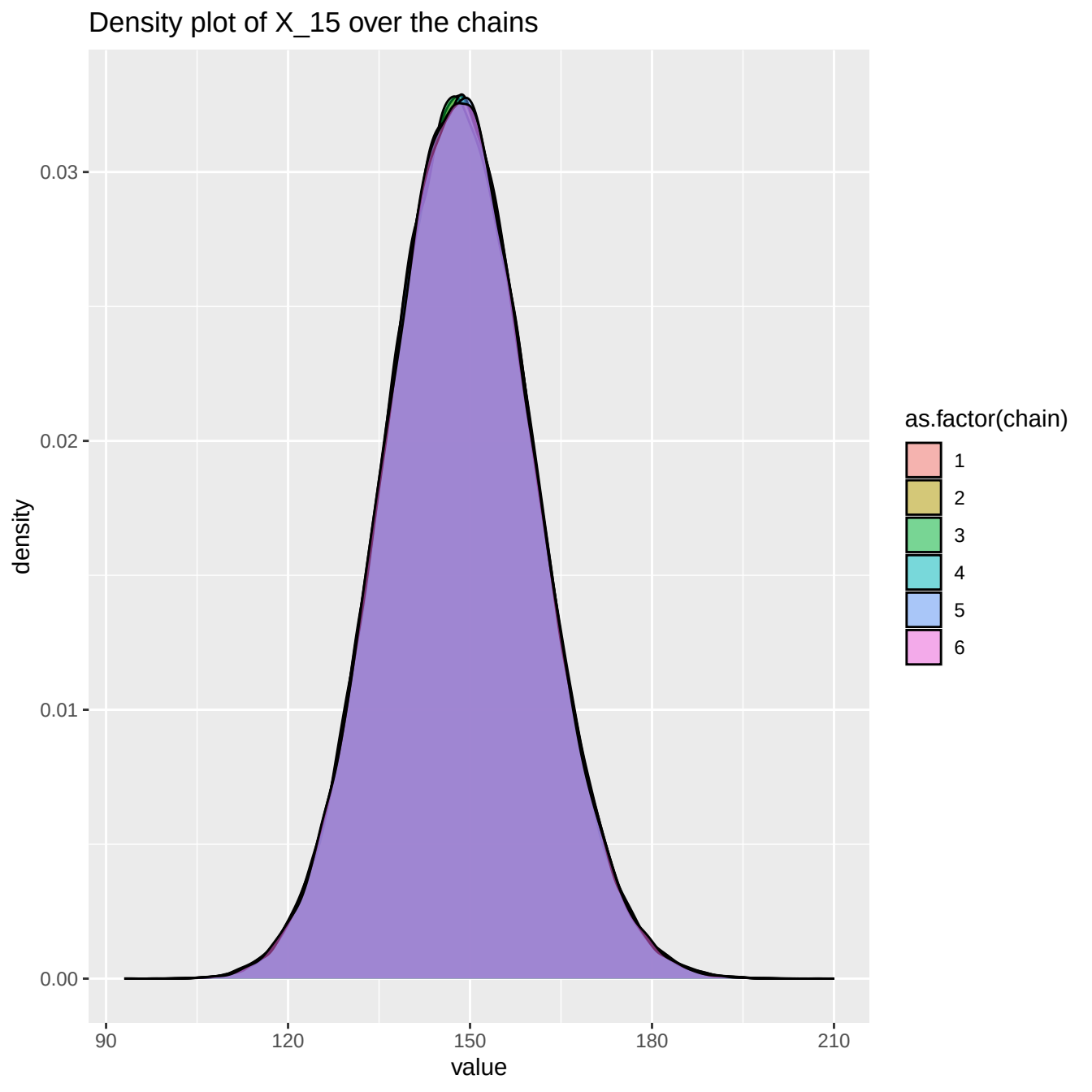

Density plot of X_10 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

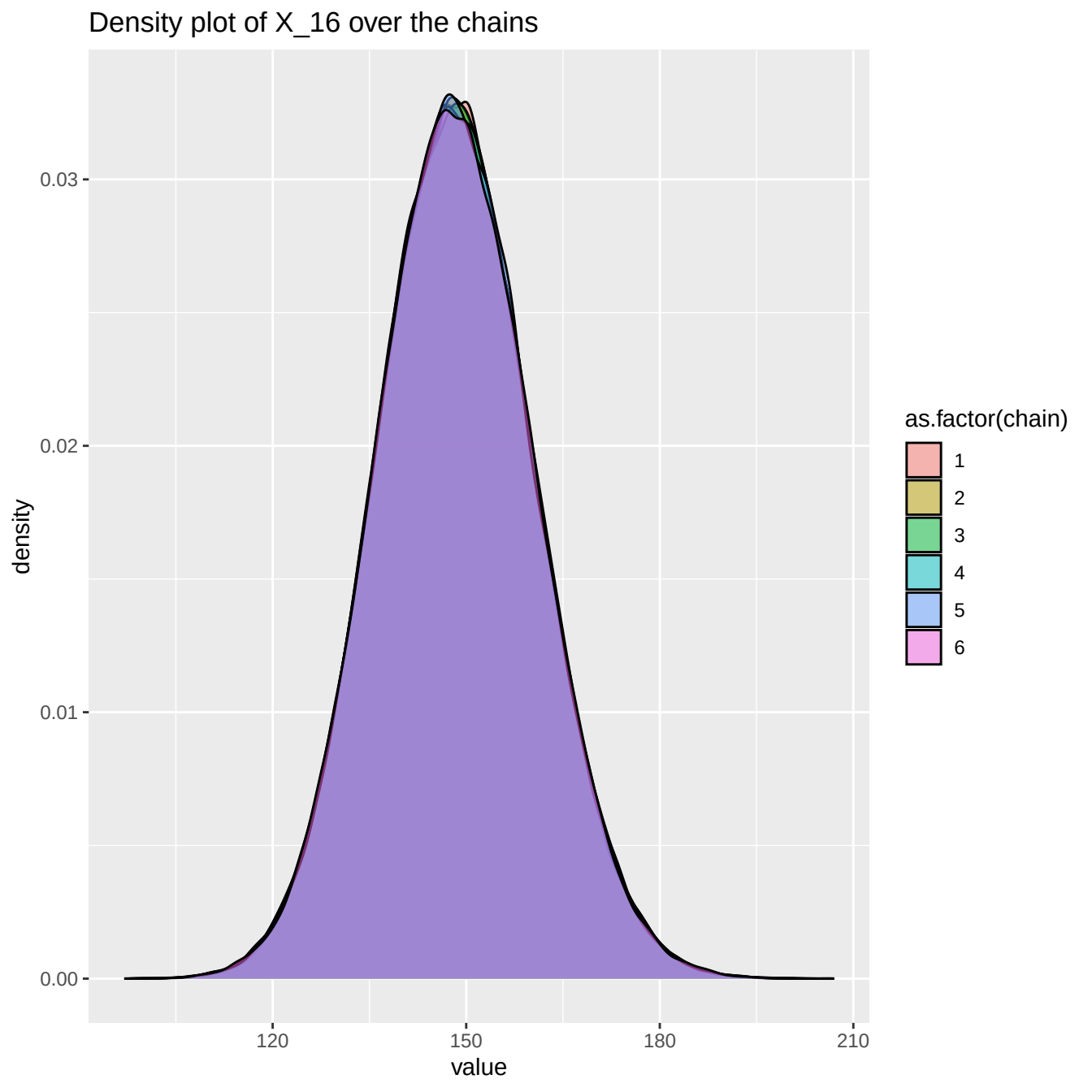

Density plot of X_11 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

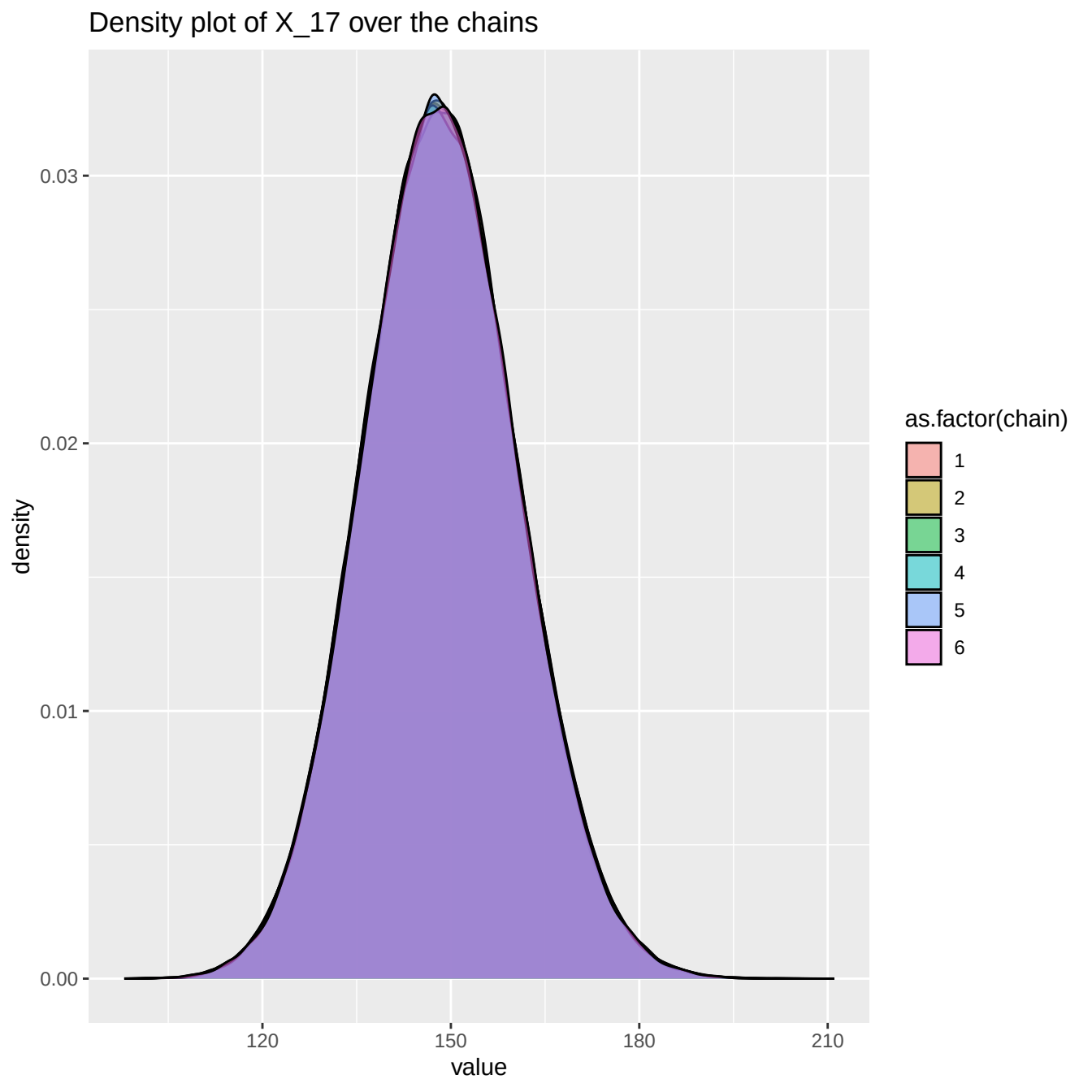

Density plot of X_12 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

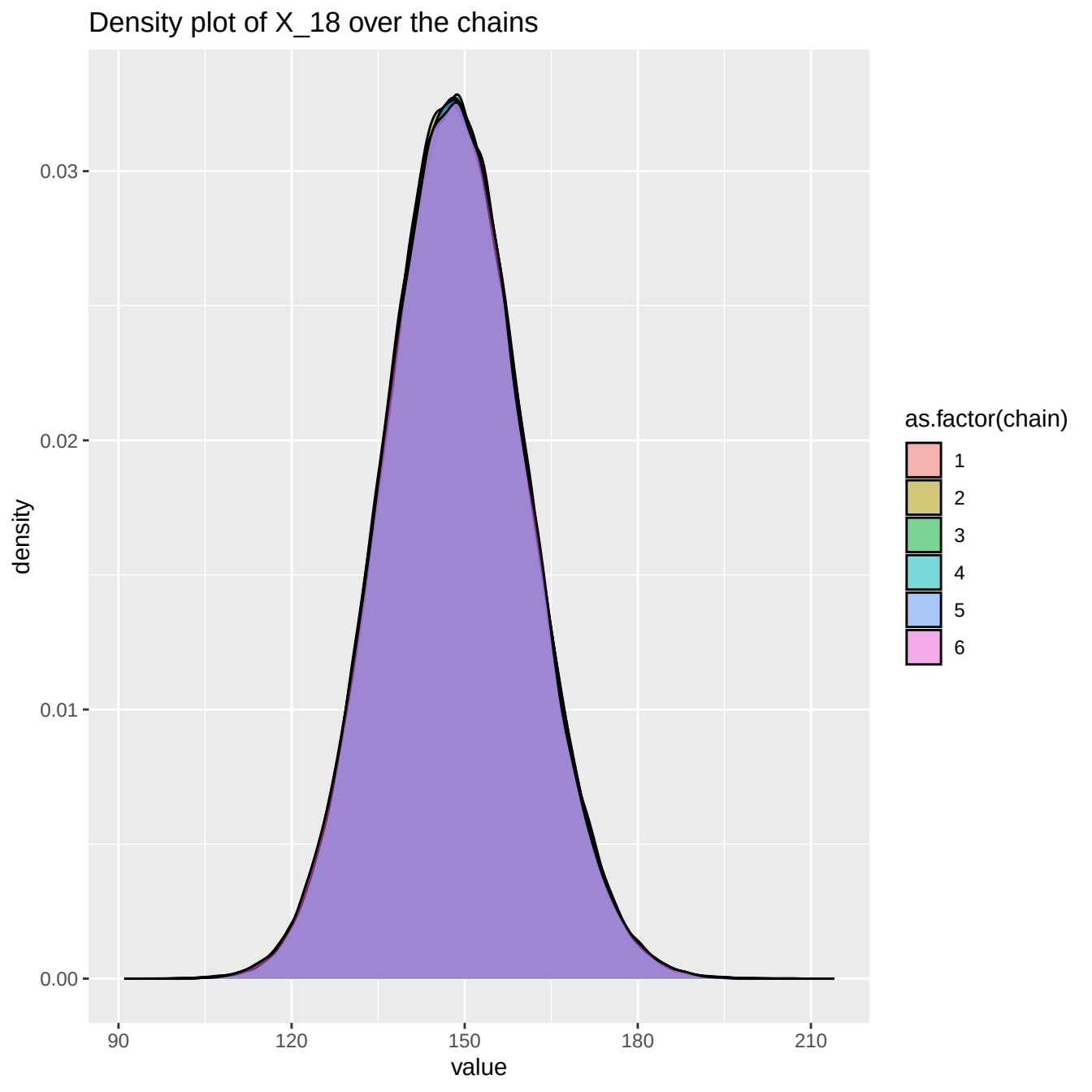

Density plot of X_13 over the chains
0.03
0.02
0.01
0.00
density
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

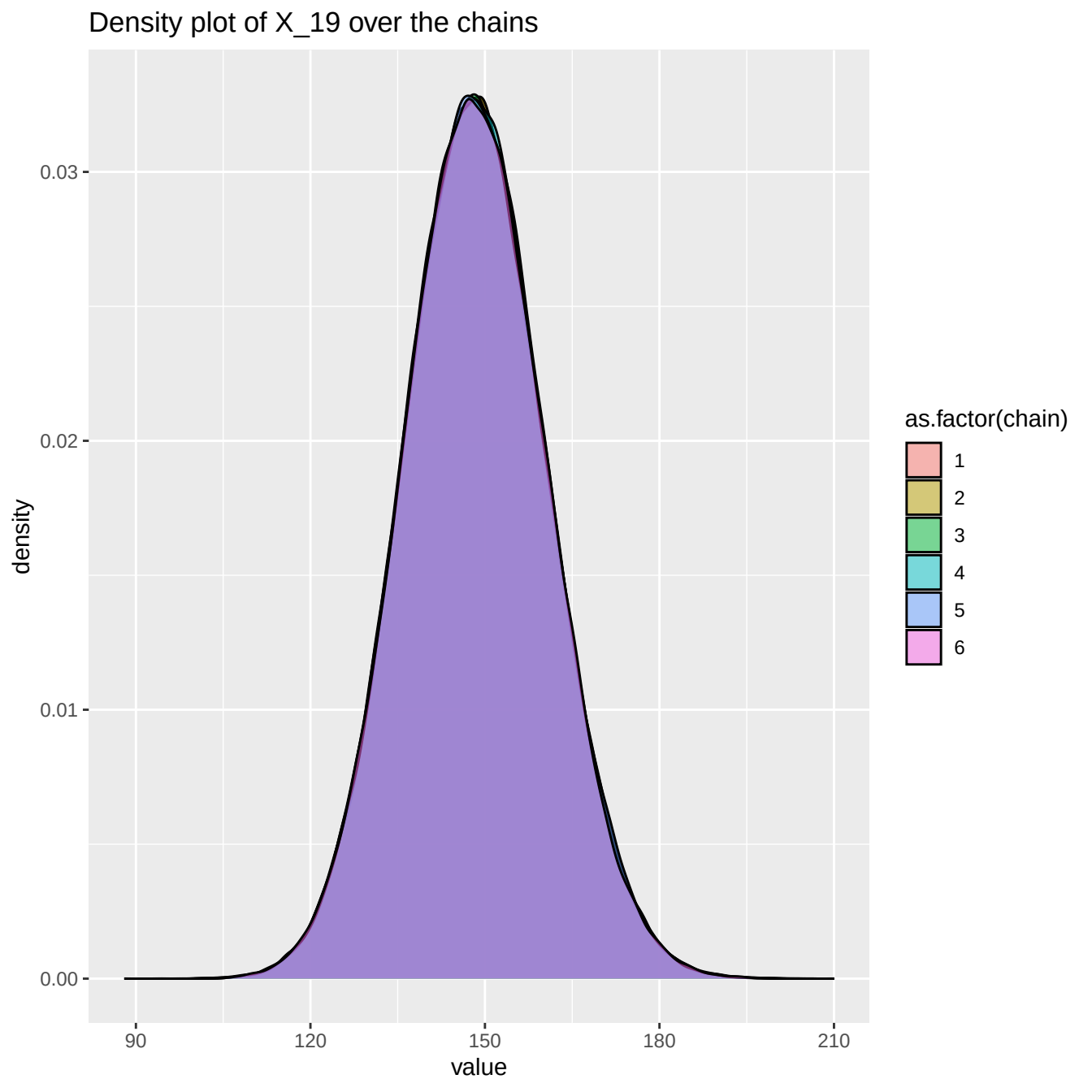

Density plot of X_14 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

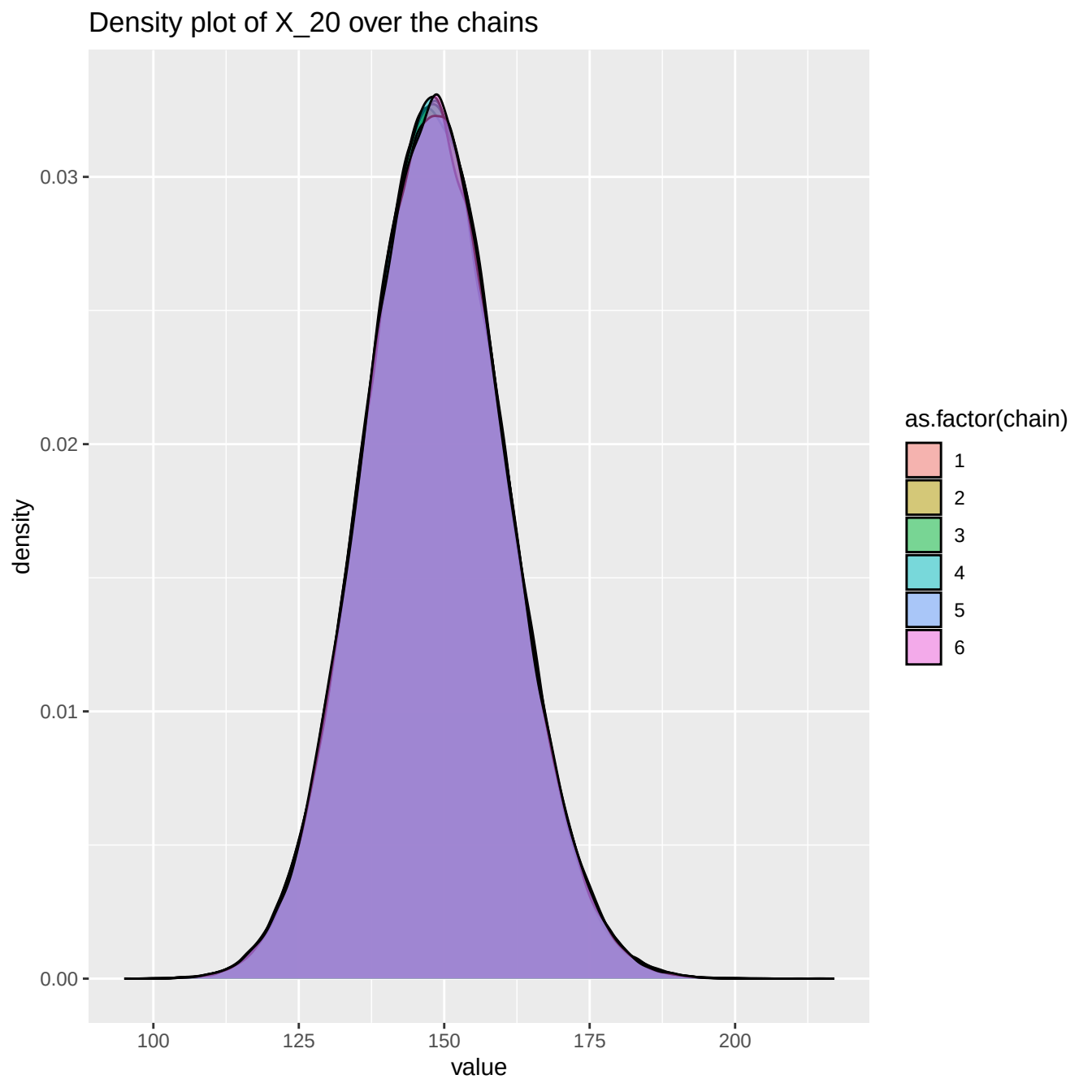

Density plot of X_15 over the chains
0.03
0.02
0.01
0.00
density
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

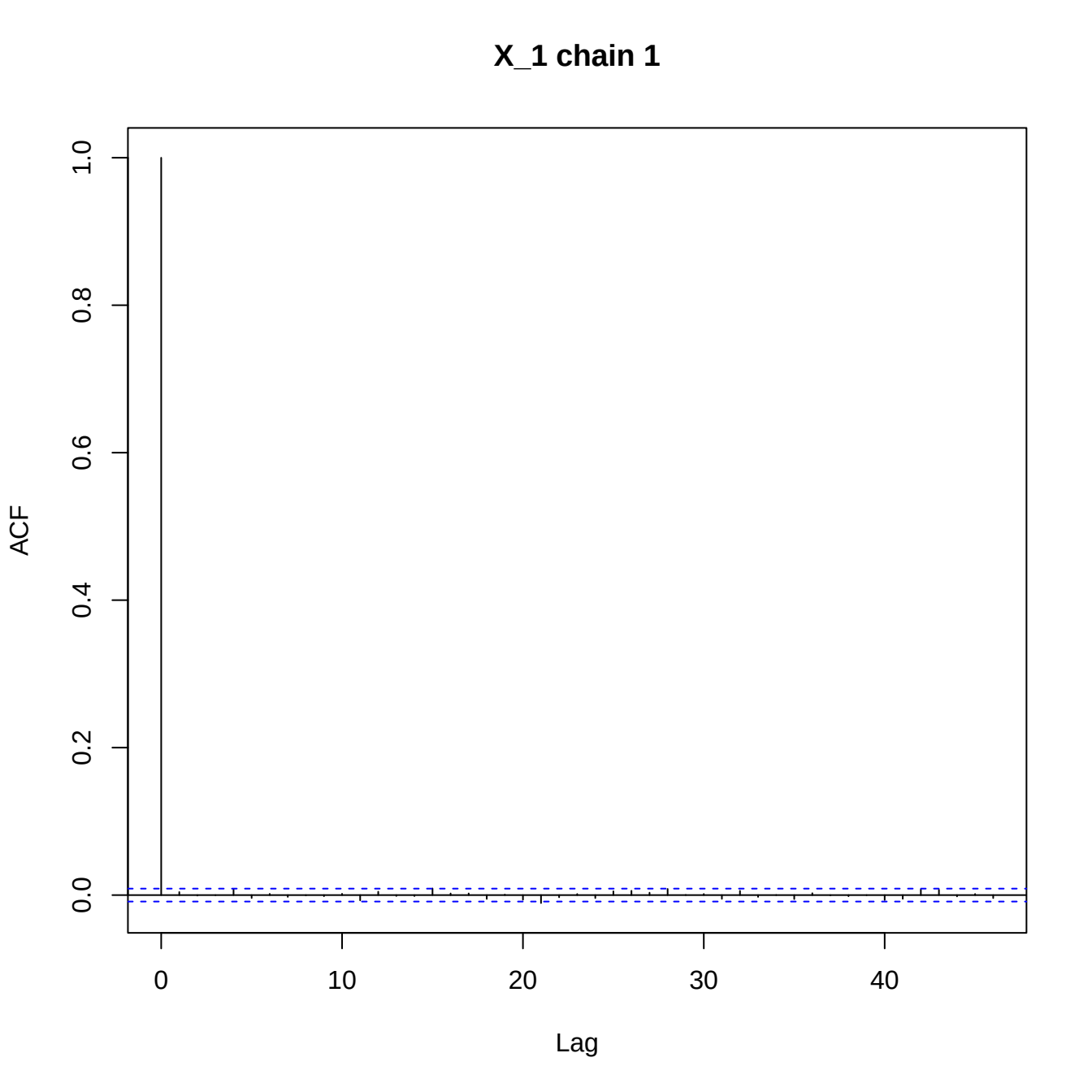

Density plot of X_16 over the chains
density
0.03
0.02
0.01
0.00
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

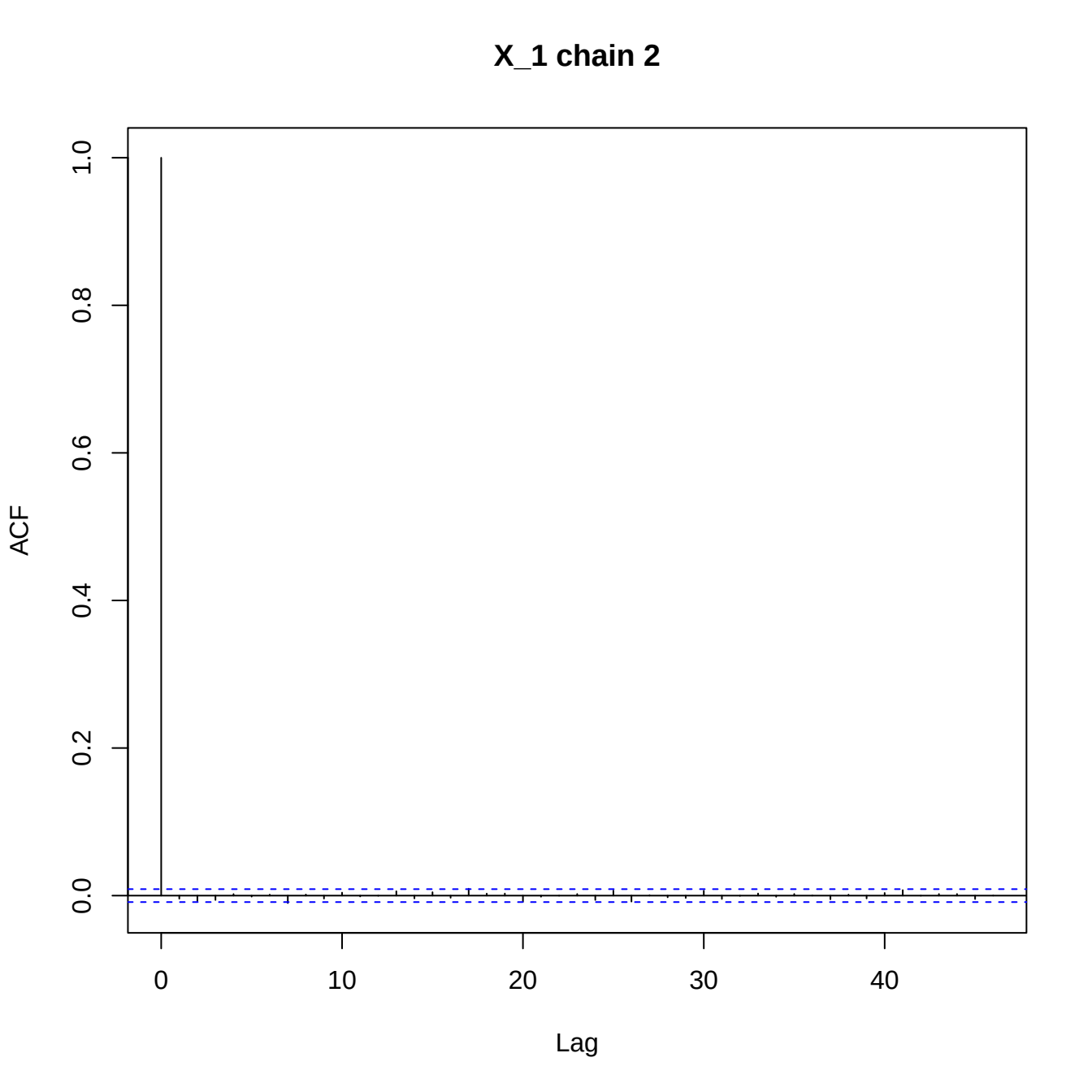

Density plot of X_17 over the chains
density
0.03
0.02
0.01
0.00
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

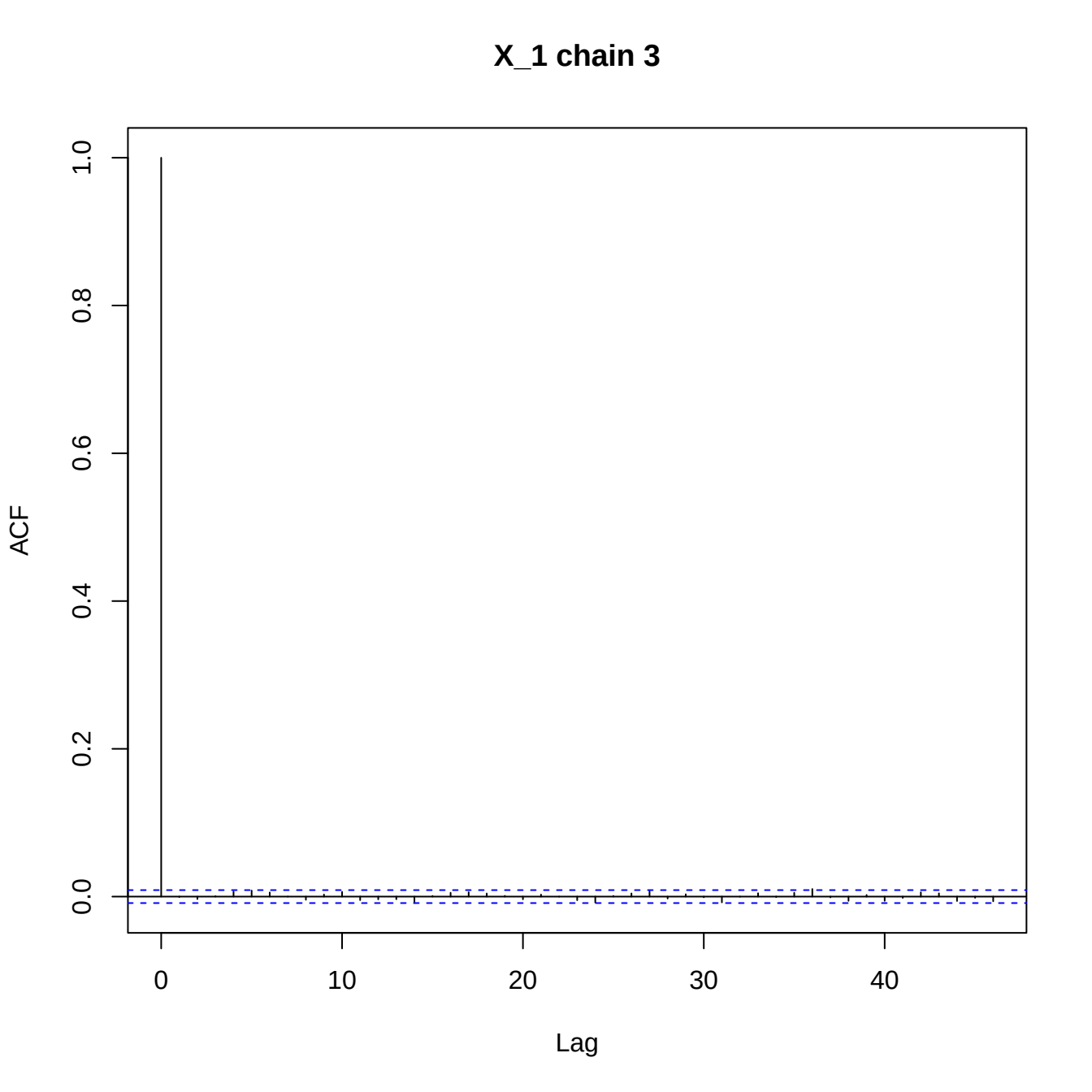

Density plot of X_18 over the chains
0.03
0.02
0.01
0.00
density
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

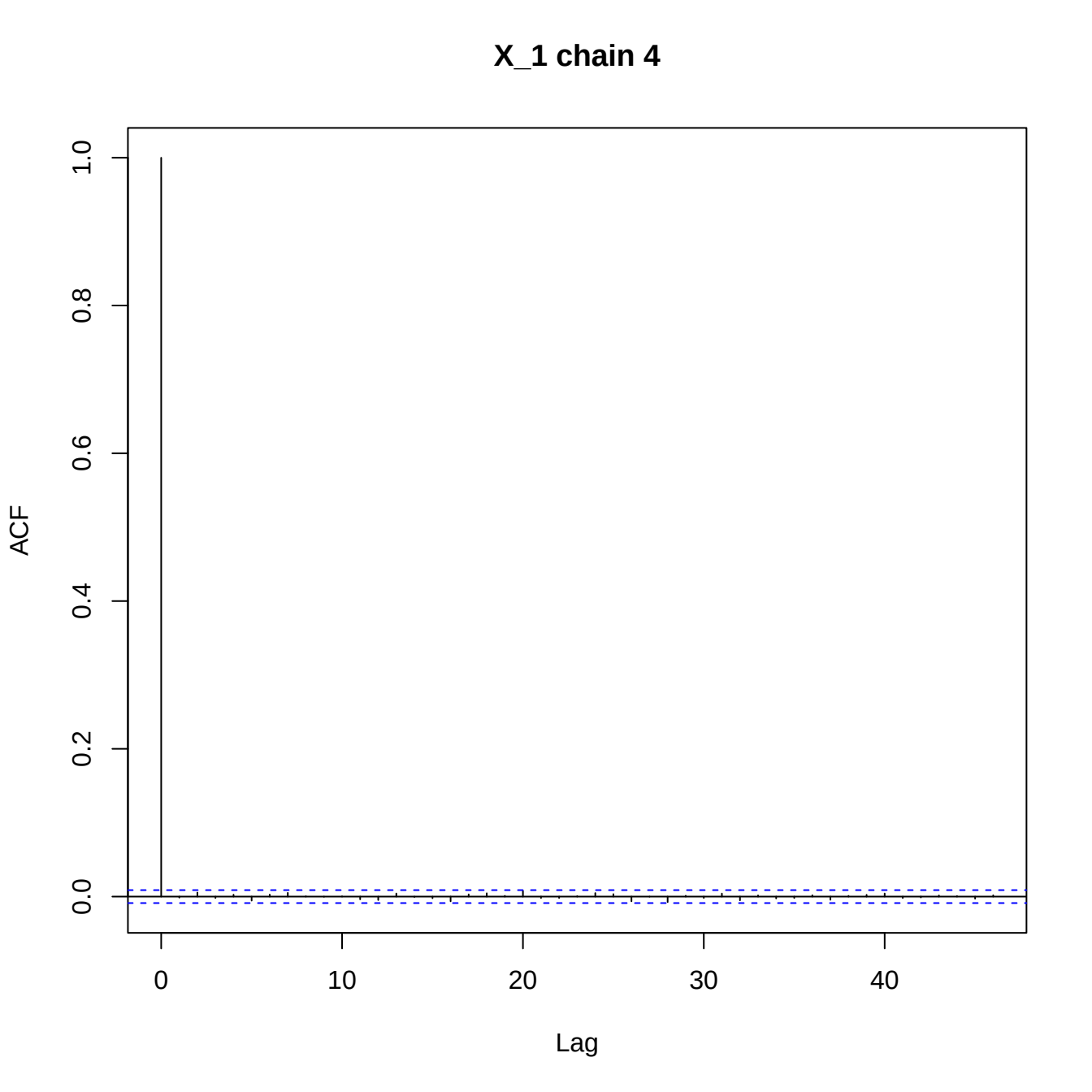

Density plot of X_19 over the chains
density
0.03
0.02
0.01
0.00
90
120
150
180
210
value
as.factor(chain)
1
2
3
4
5
6

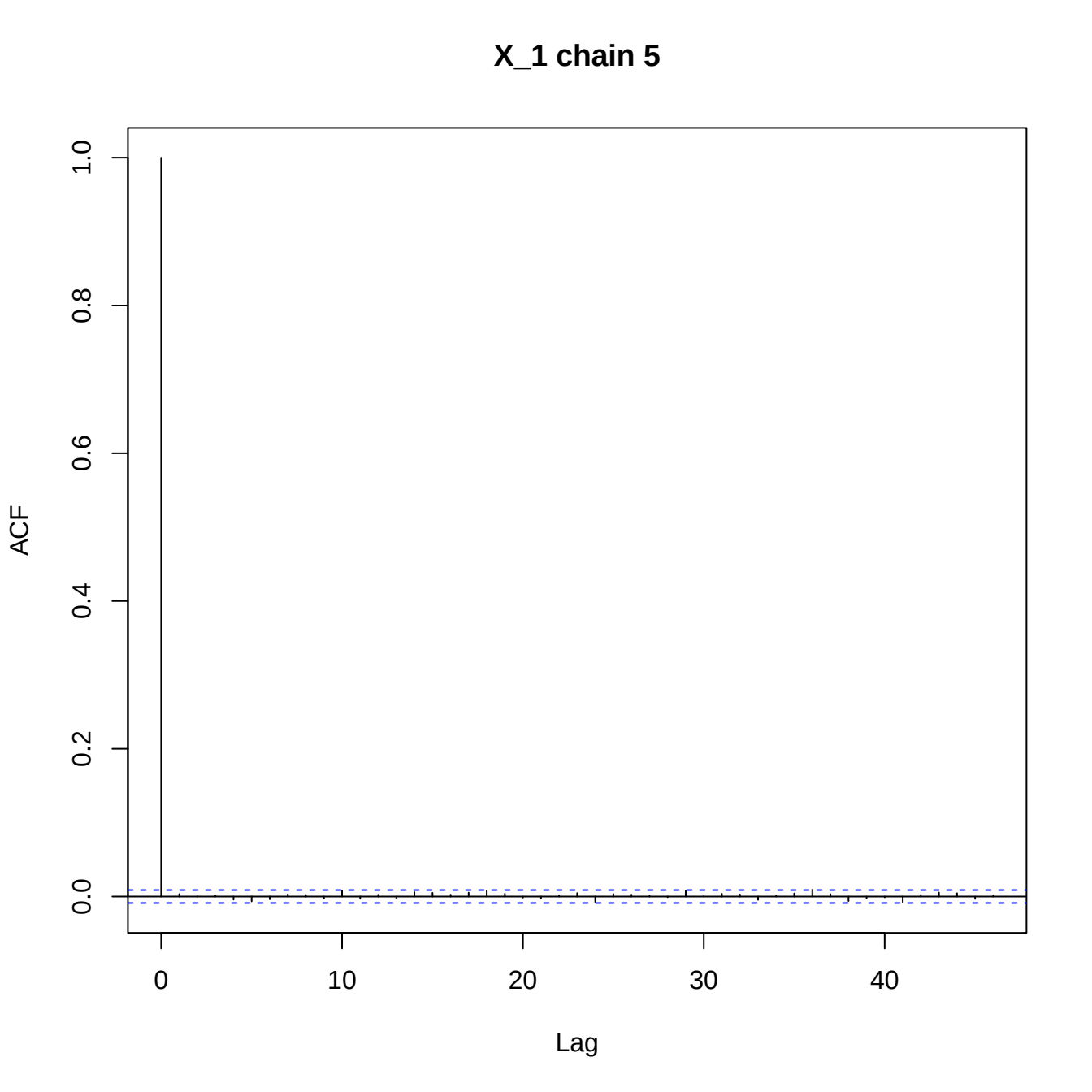

Density plot of X_20 over the chains
density
0.03
0.02
0.01
0.00
100
125
150
175
200
value
as.factor(chain)
1
2
3
4
5
6

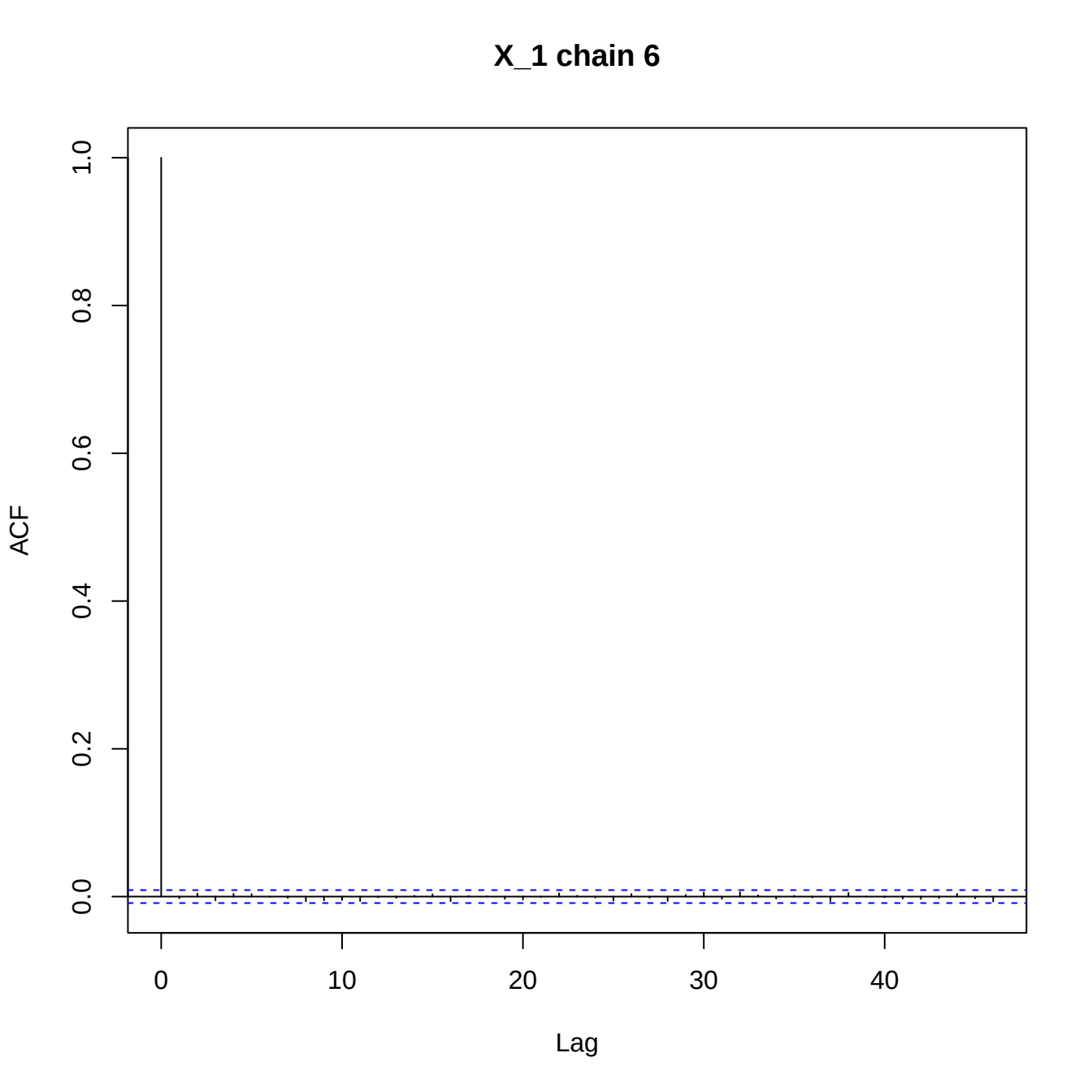

X_1 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

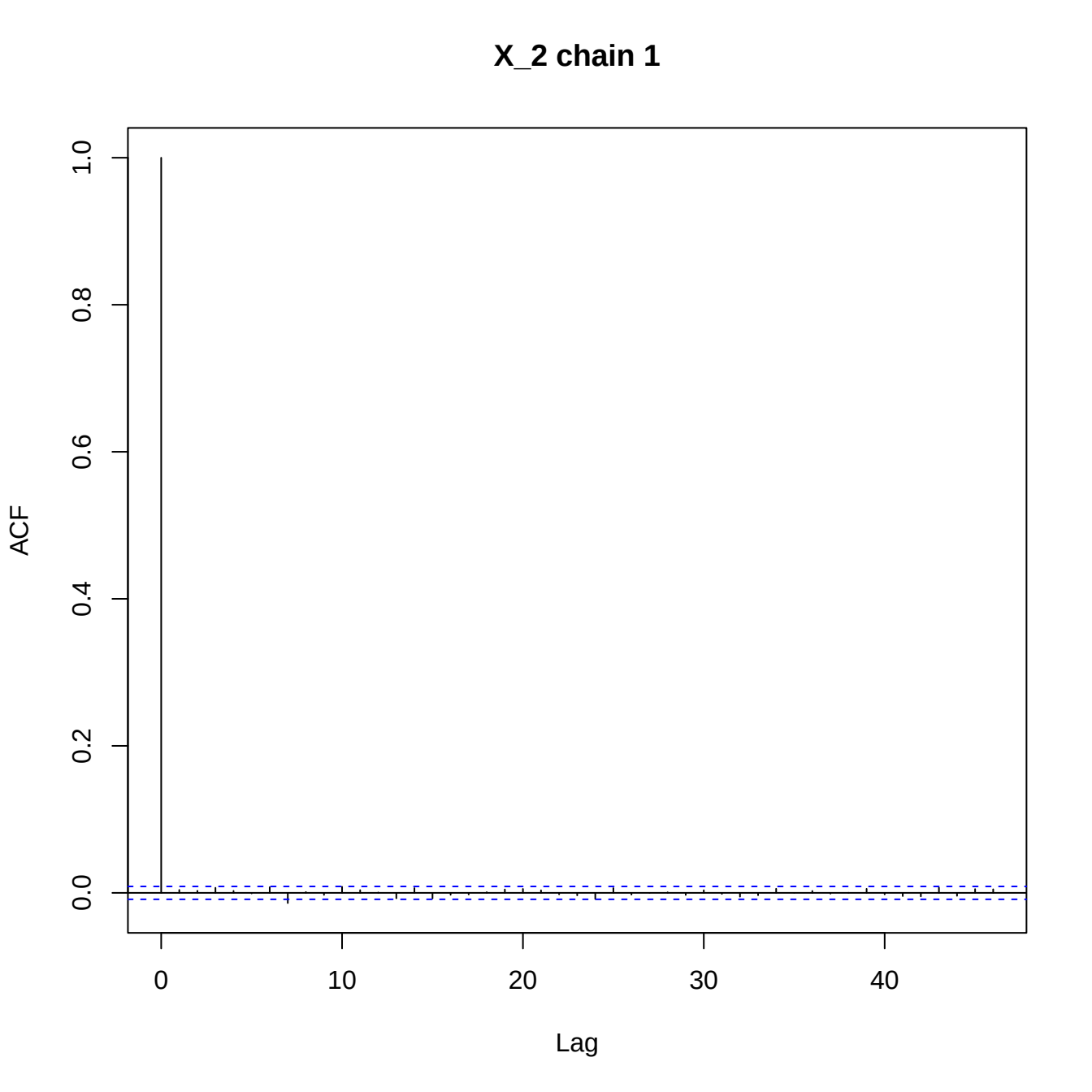

X_1 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

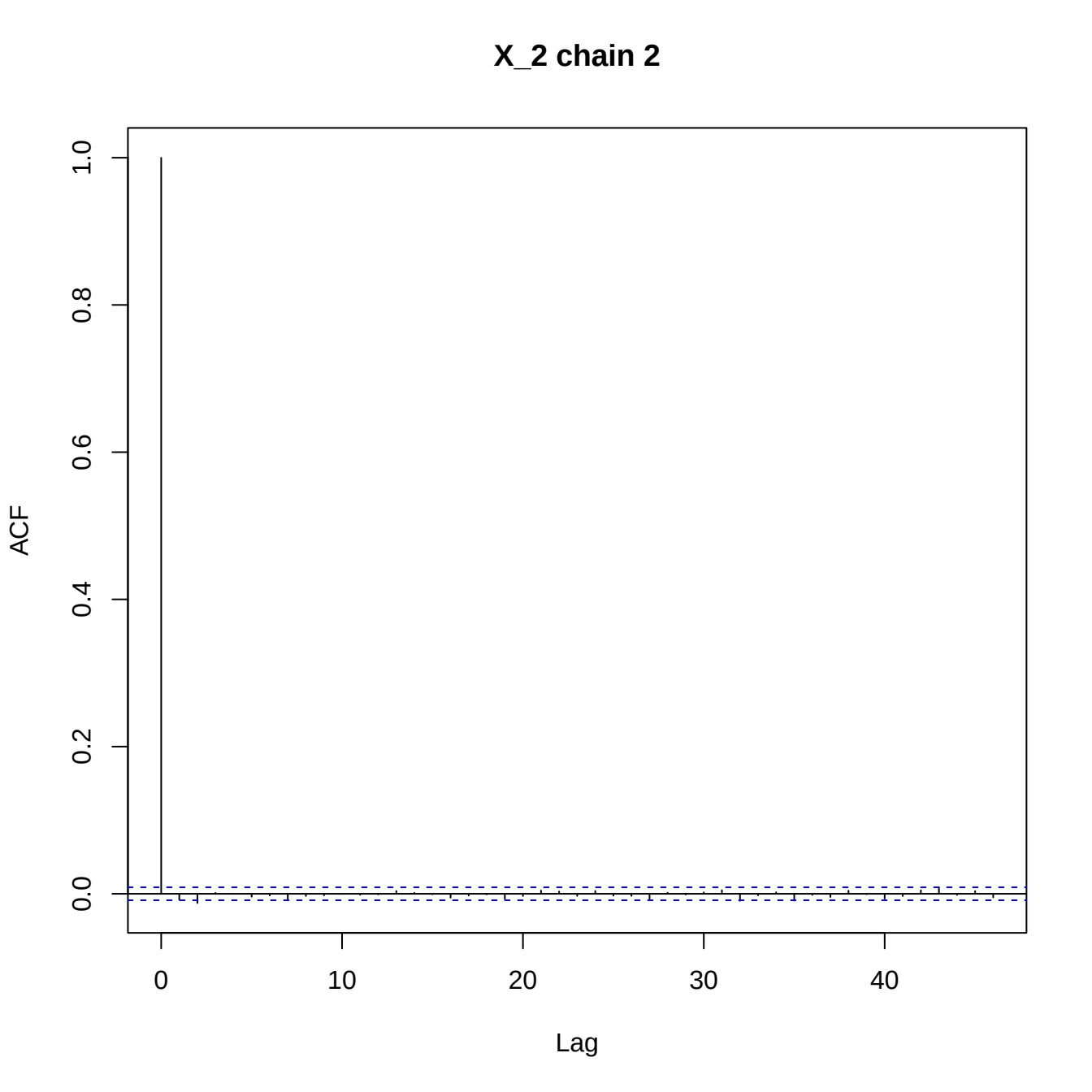

X_1 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

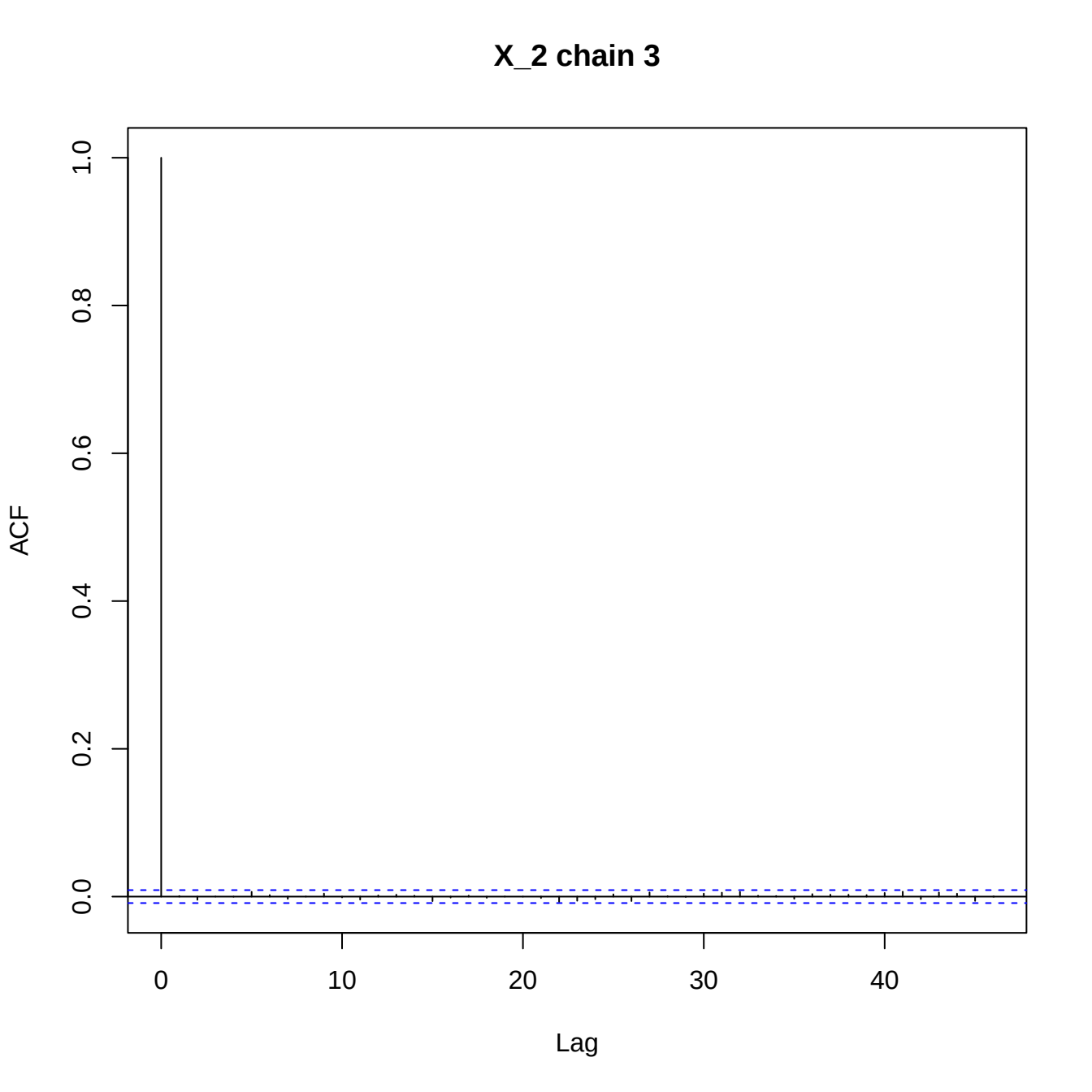

X_1 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

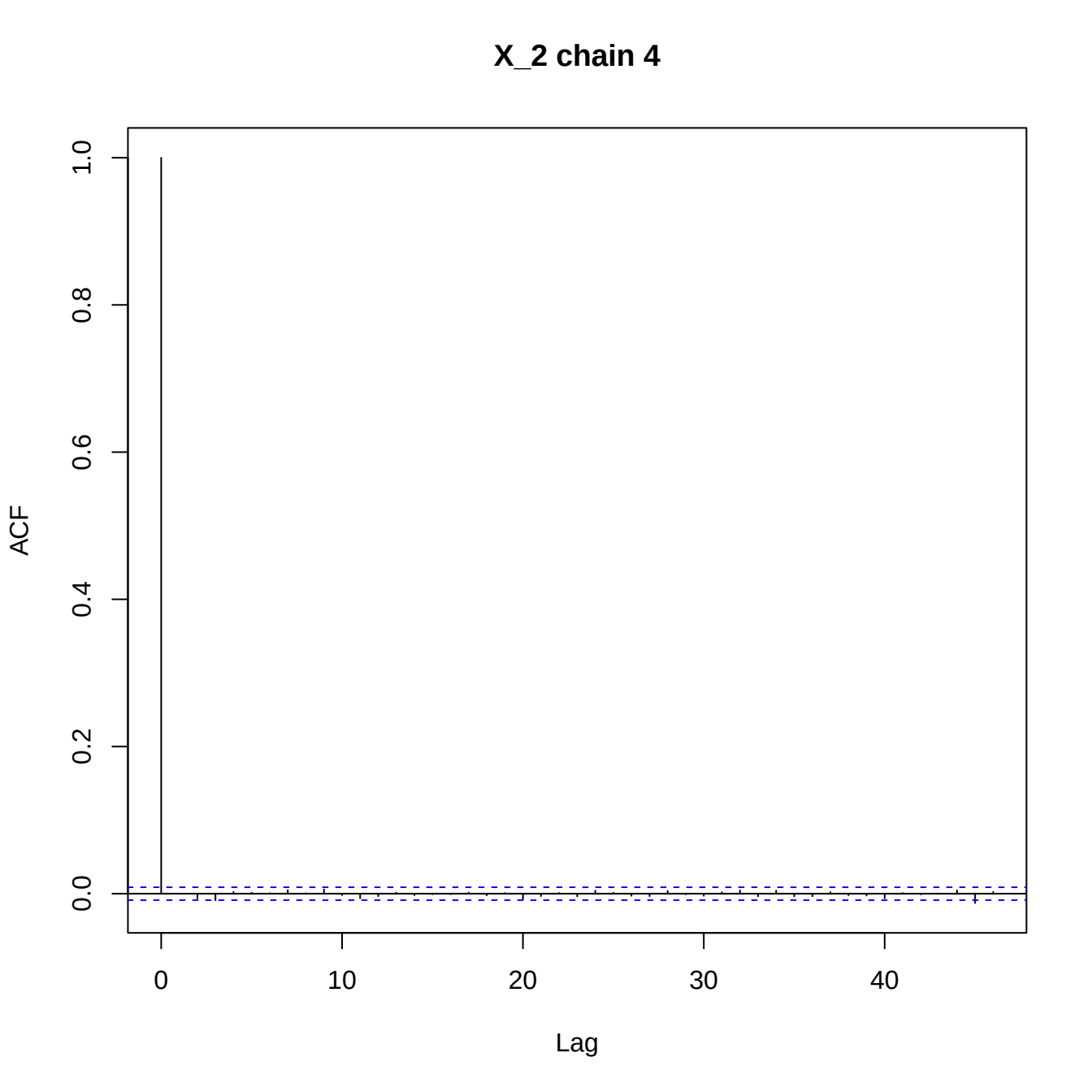

X_1 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

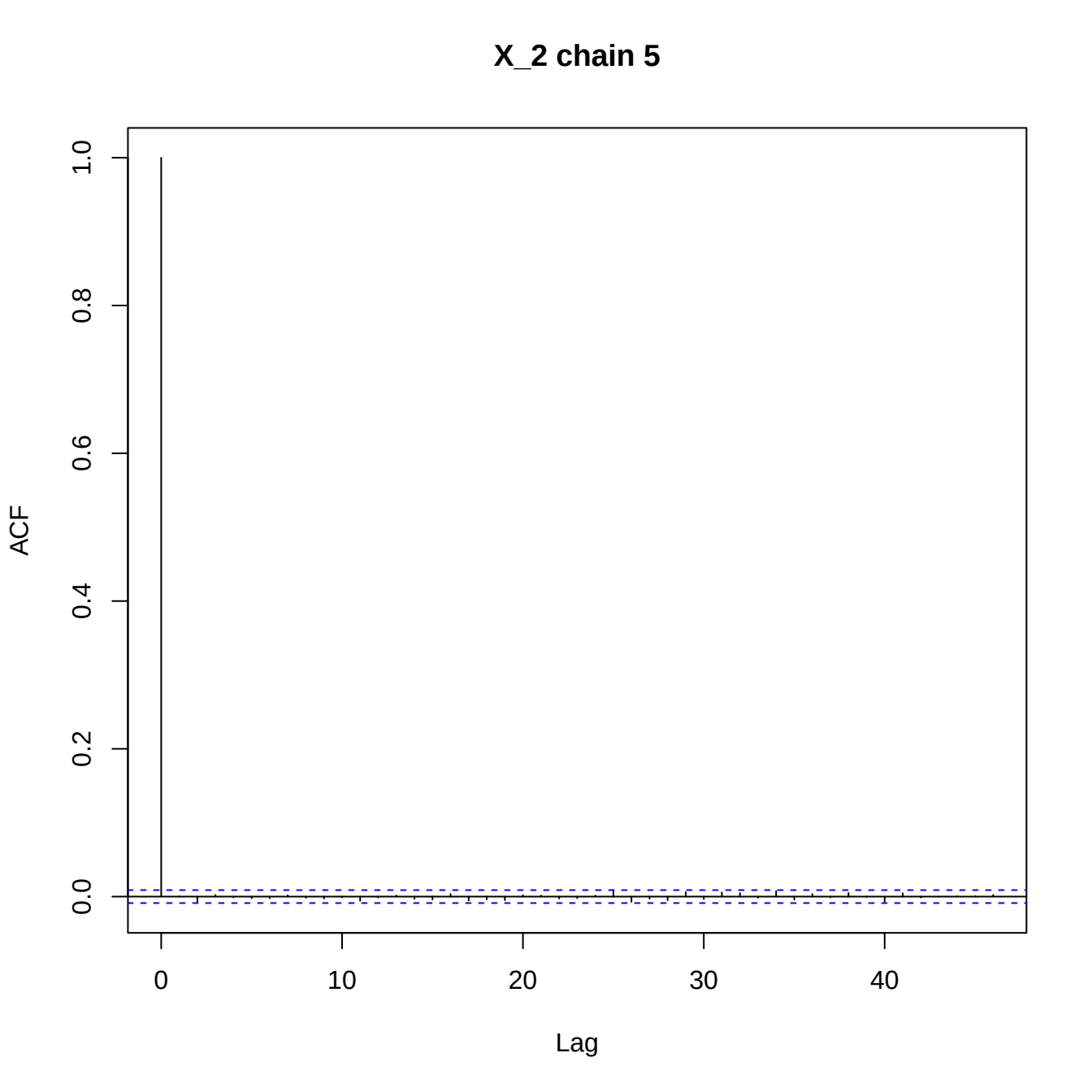

X_1 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

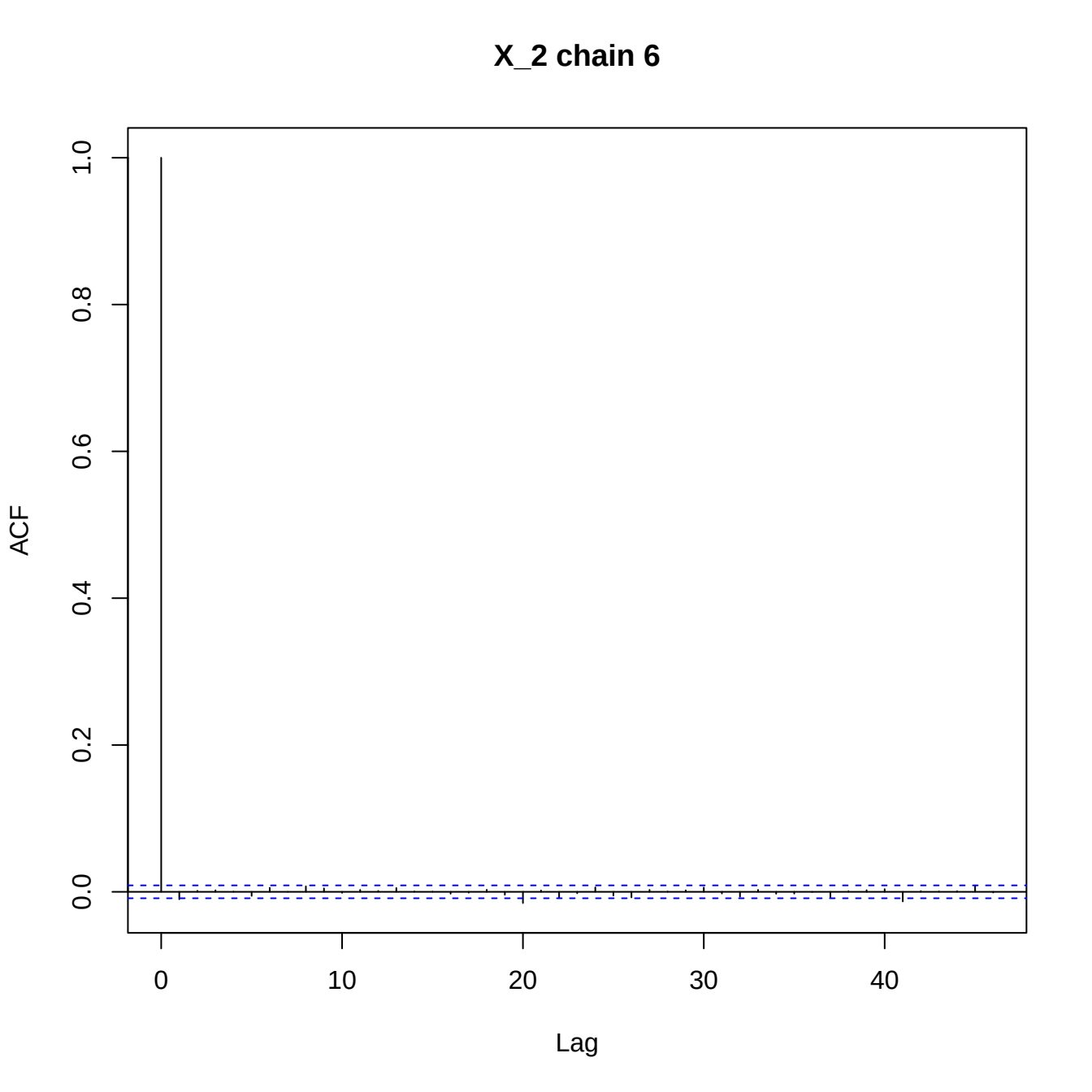

X_2 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

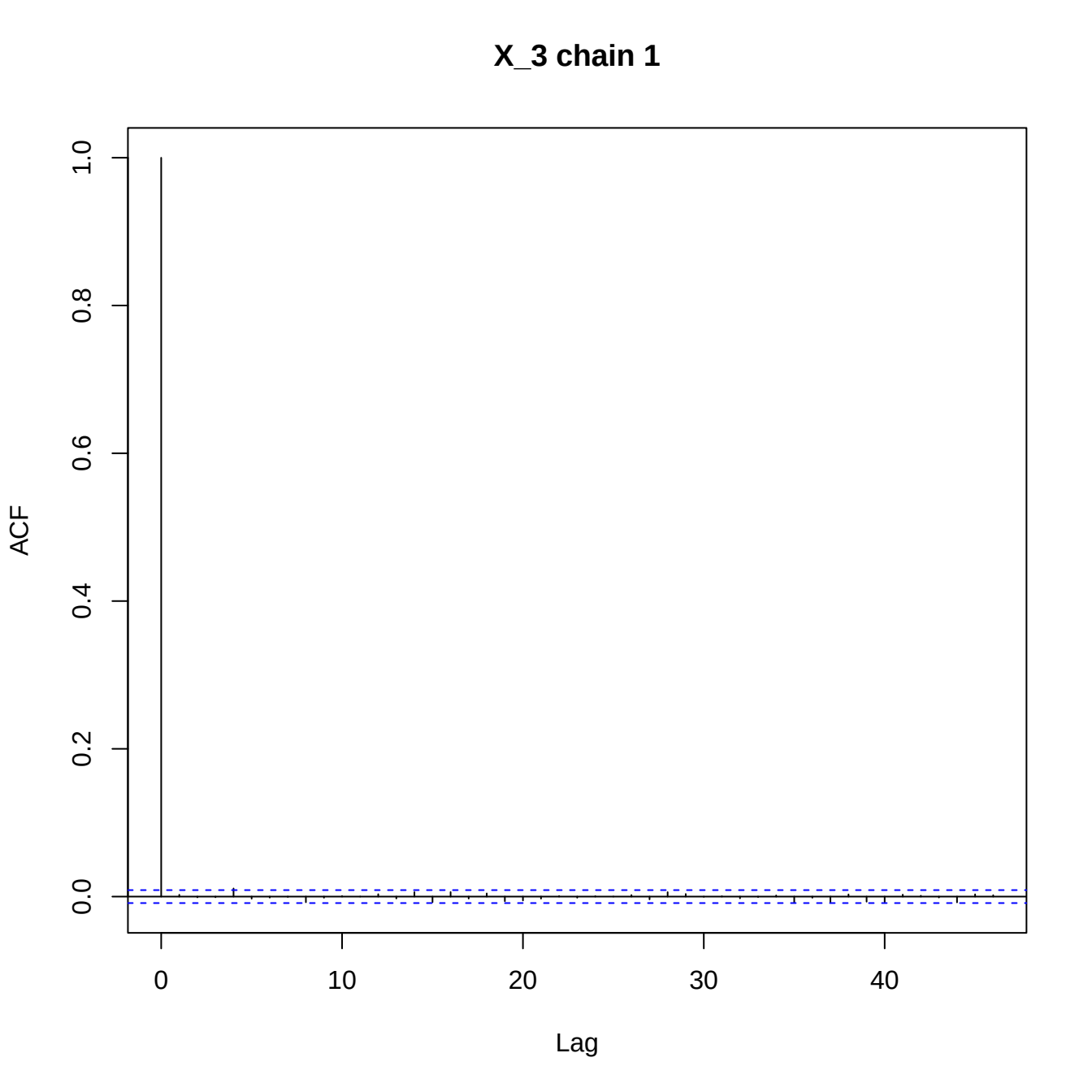

X_2 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

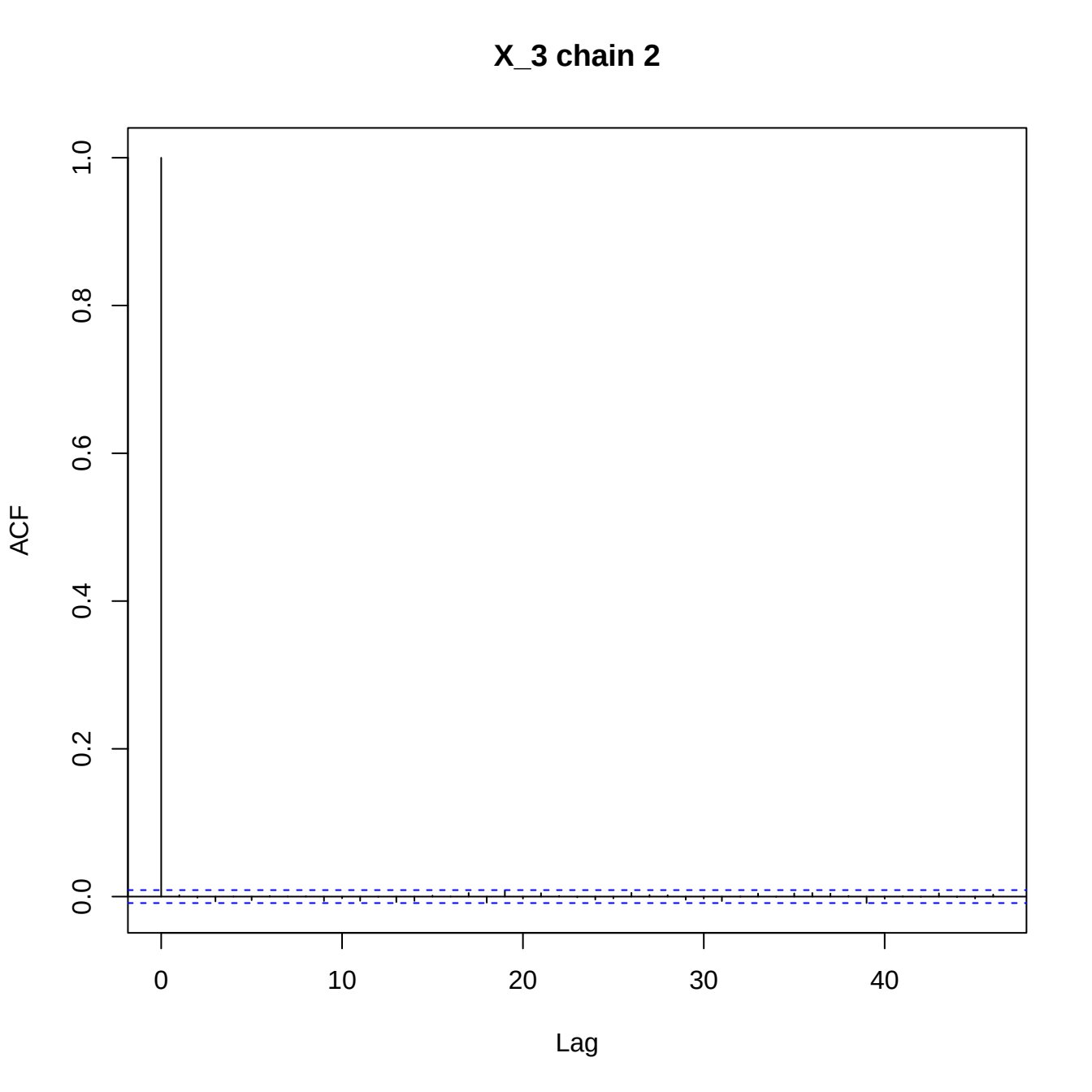

X_2 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

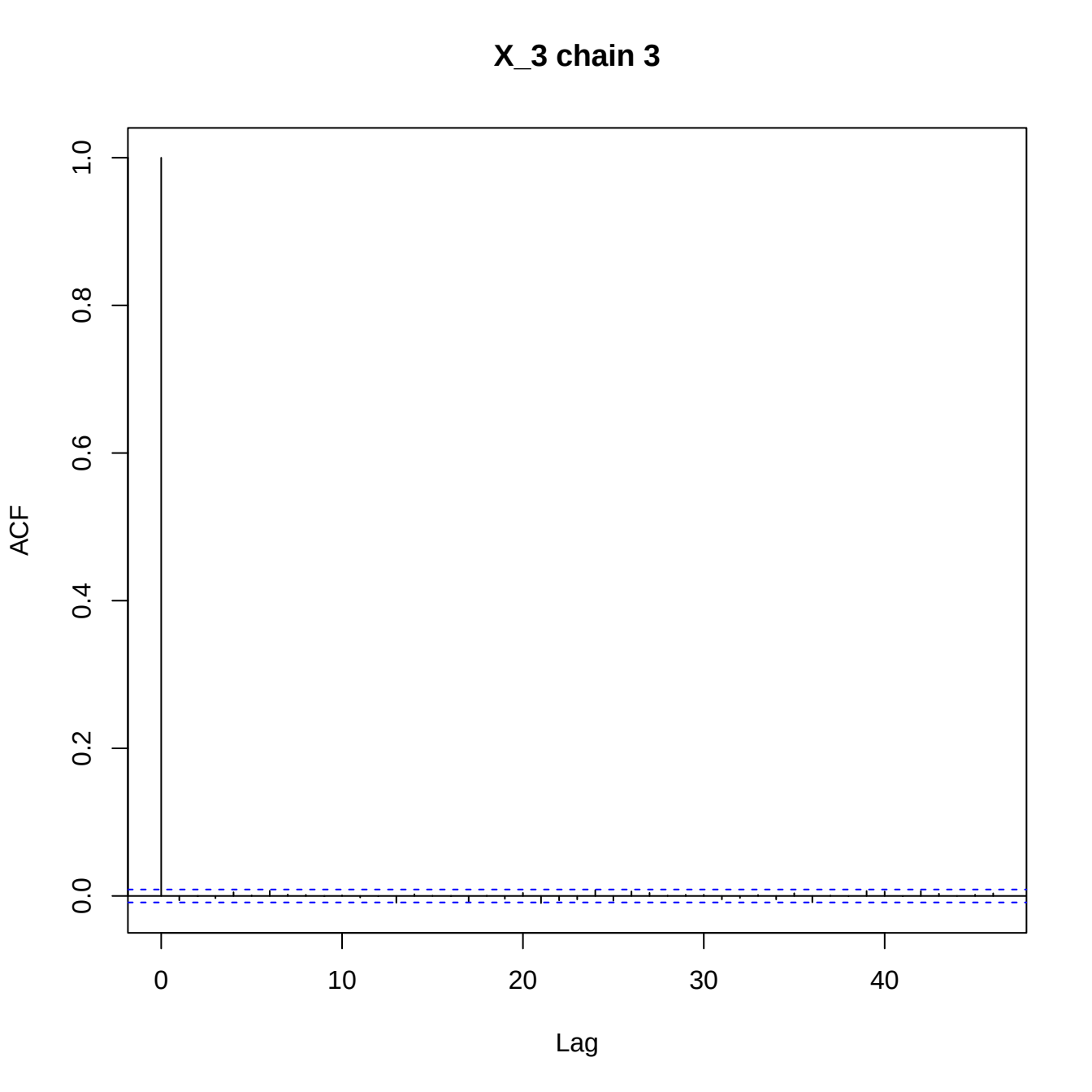

X_2 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

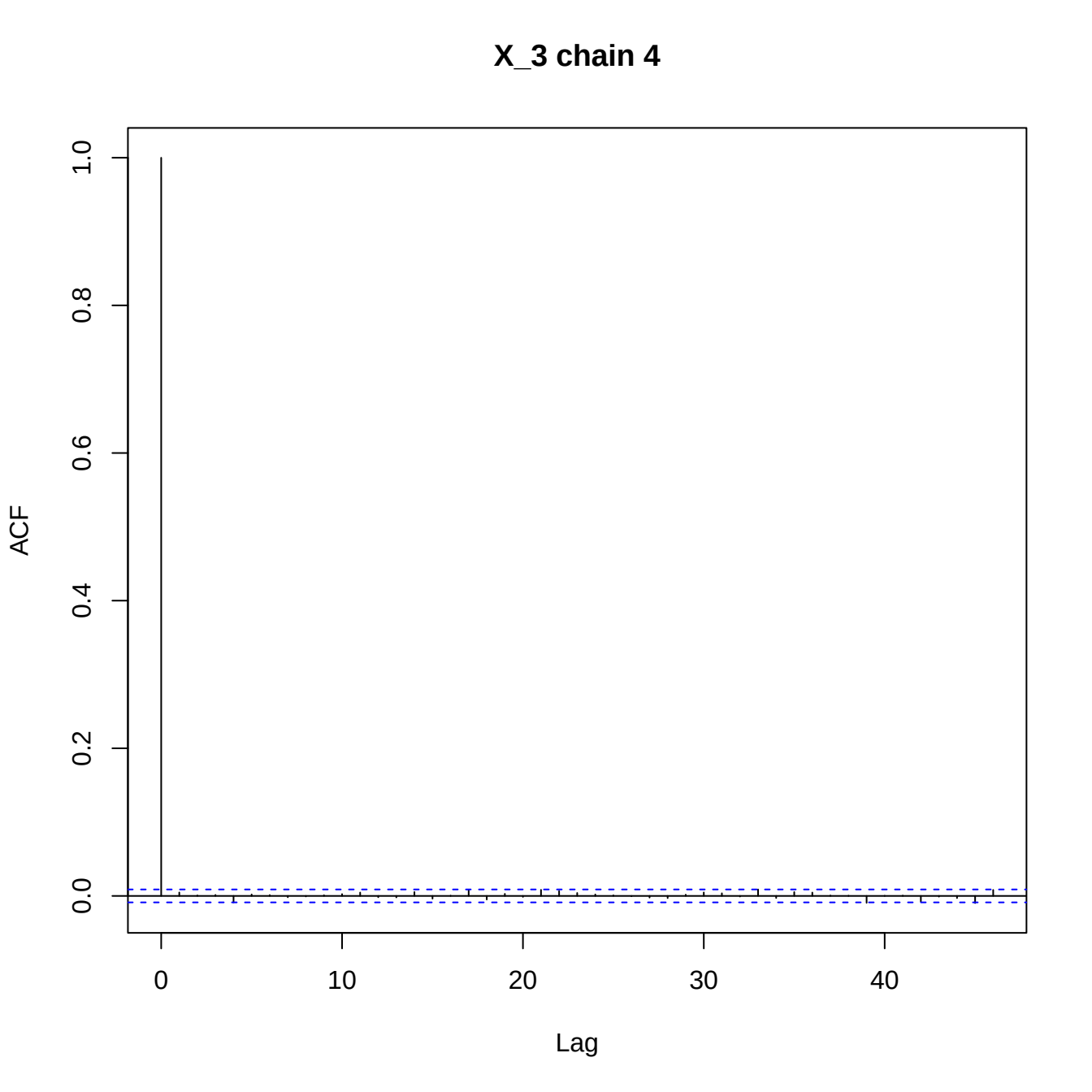

X_2 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

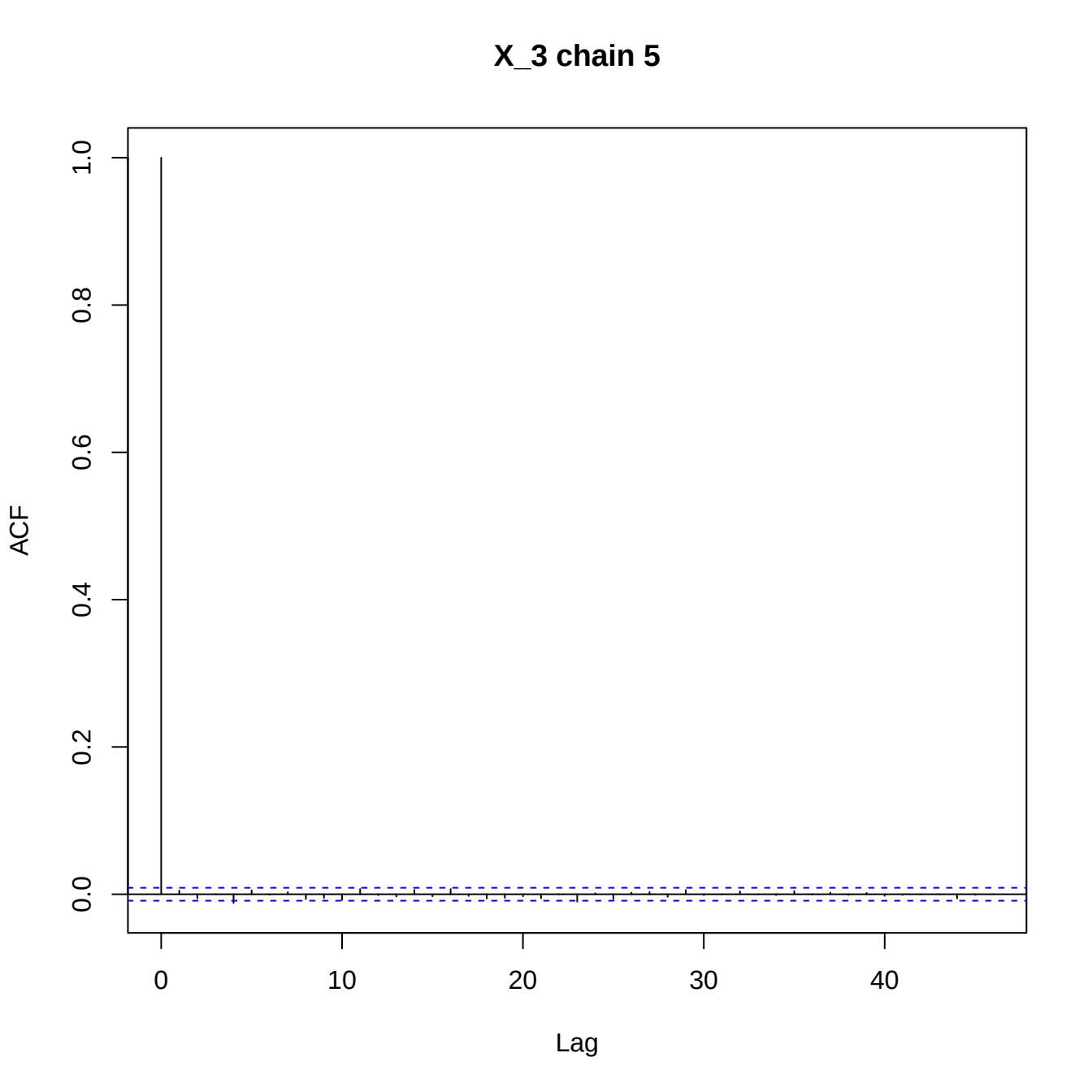

X_2 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

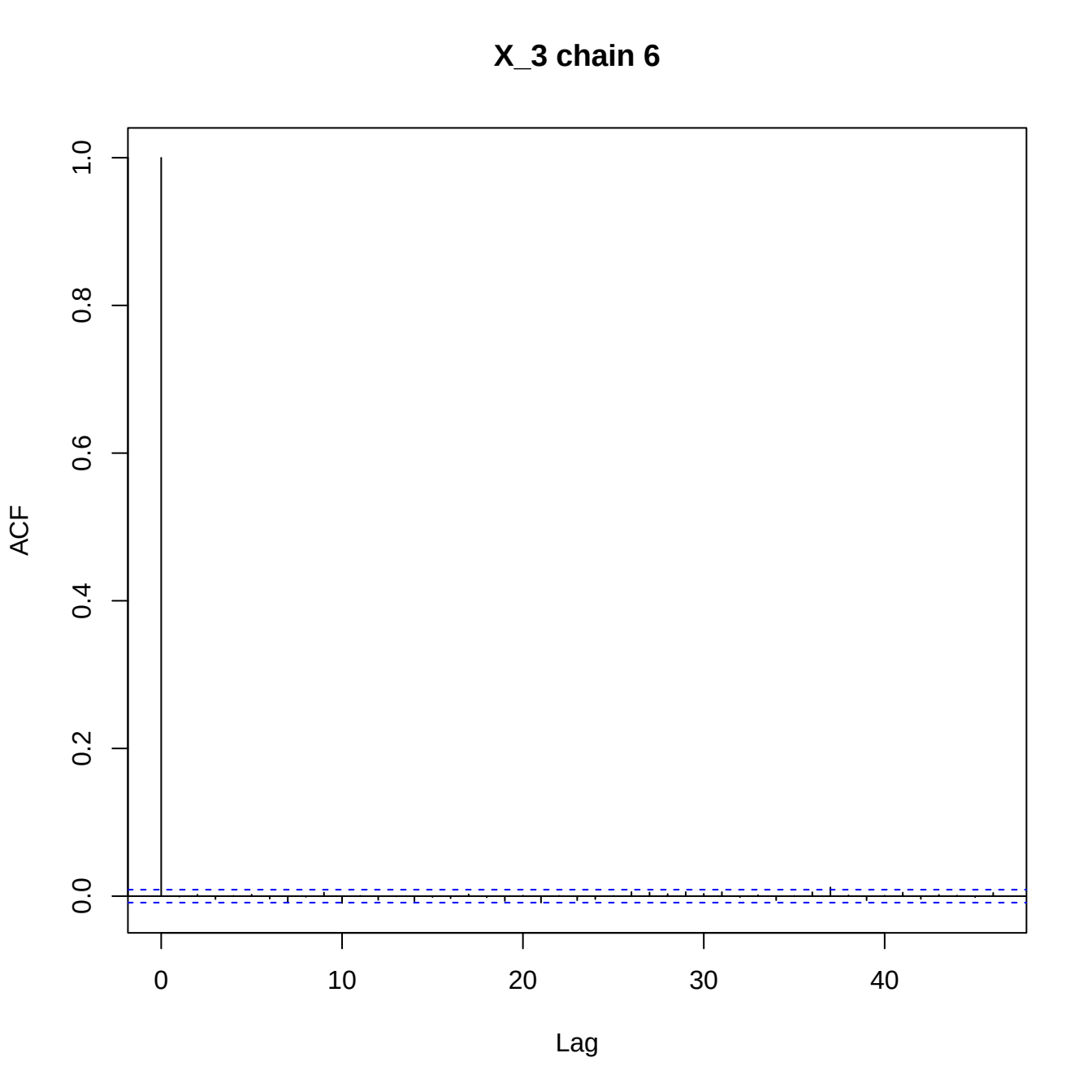

X_3 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

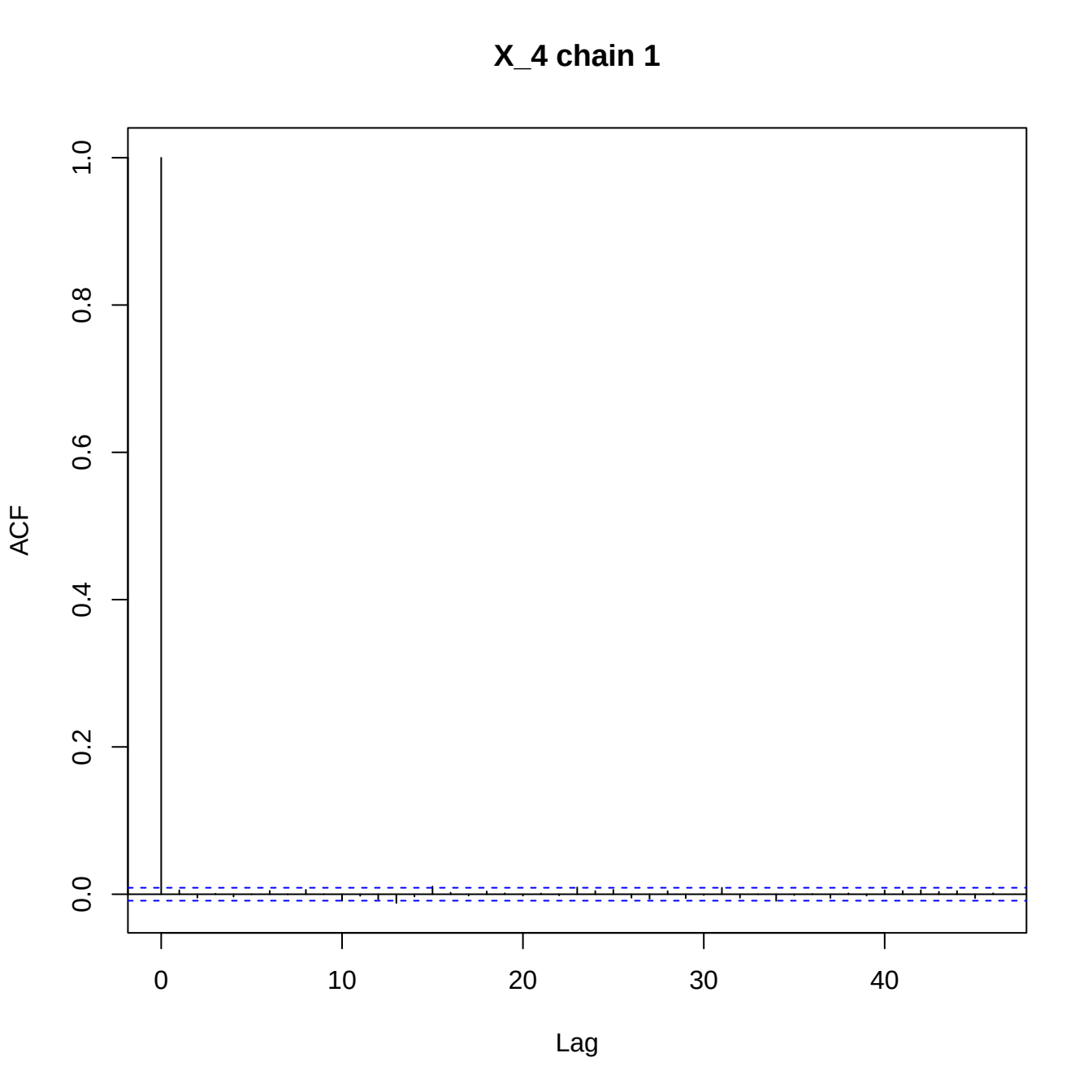

X_3 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

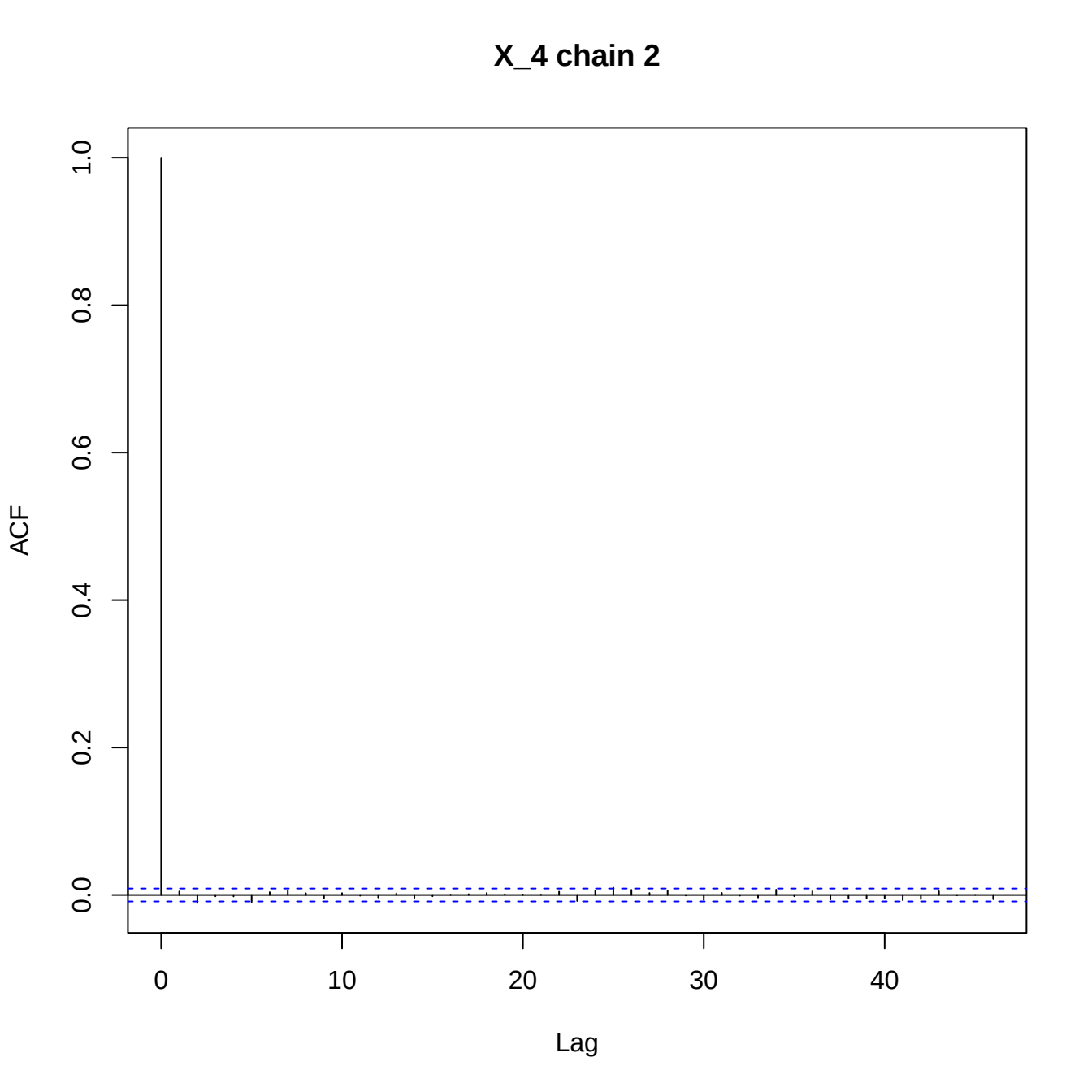

X_3 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag


X_3 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag


X_3 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag


X_3 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag


X_4 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag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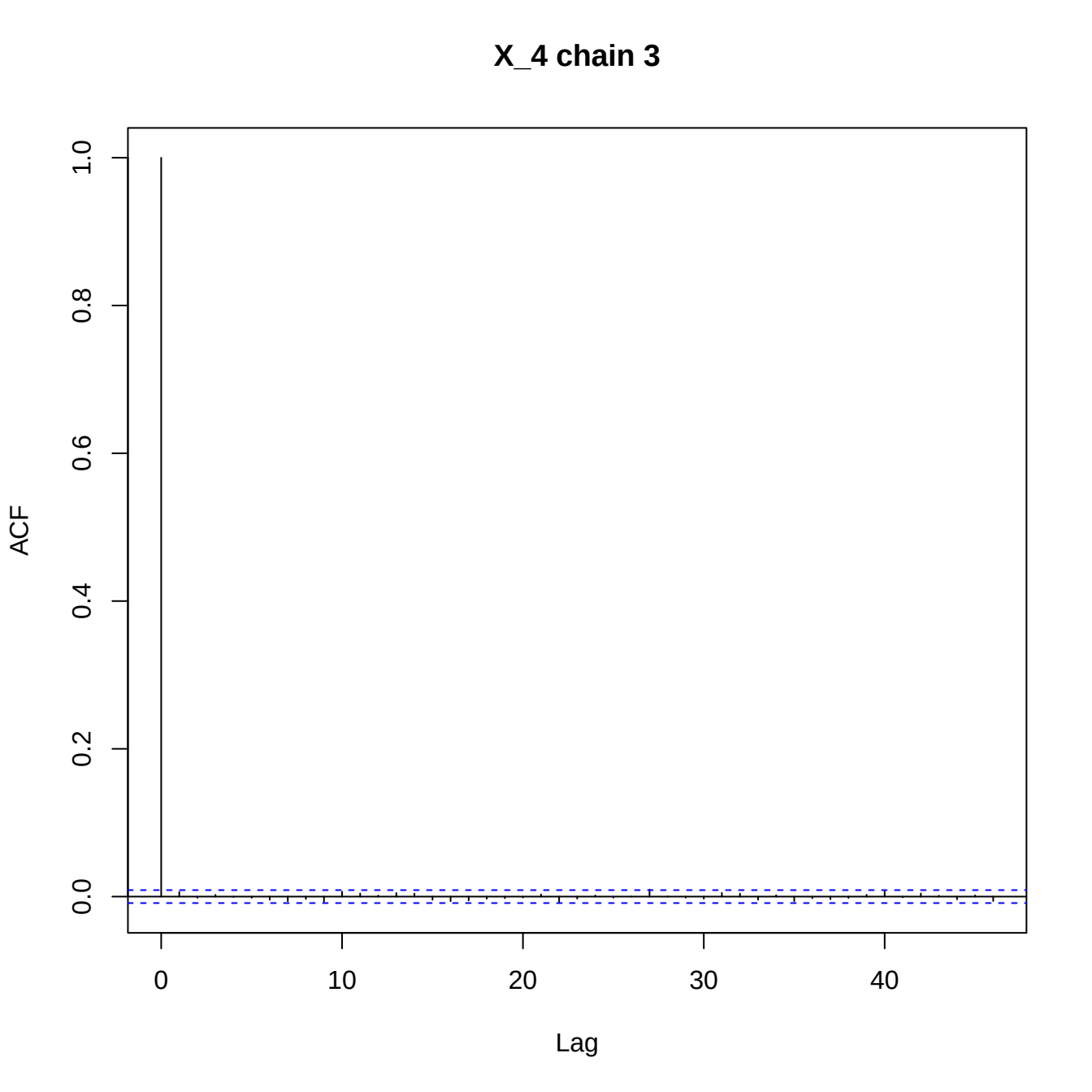
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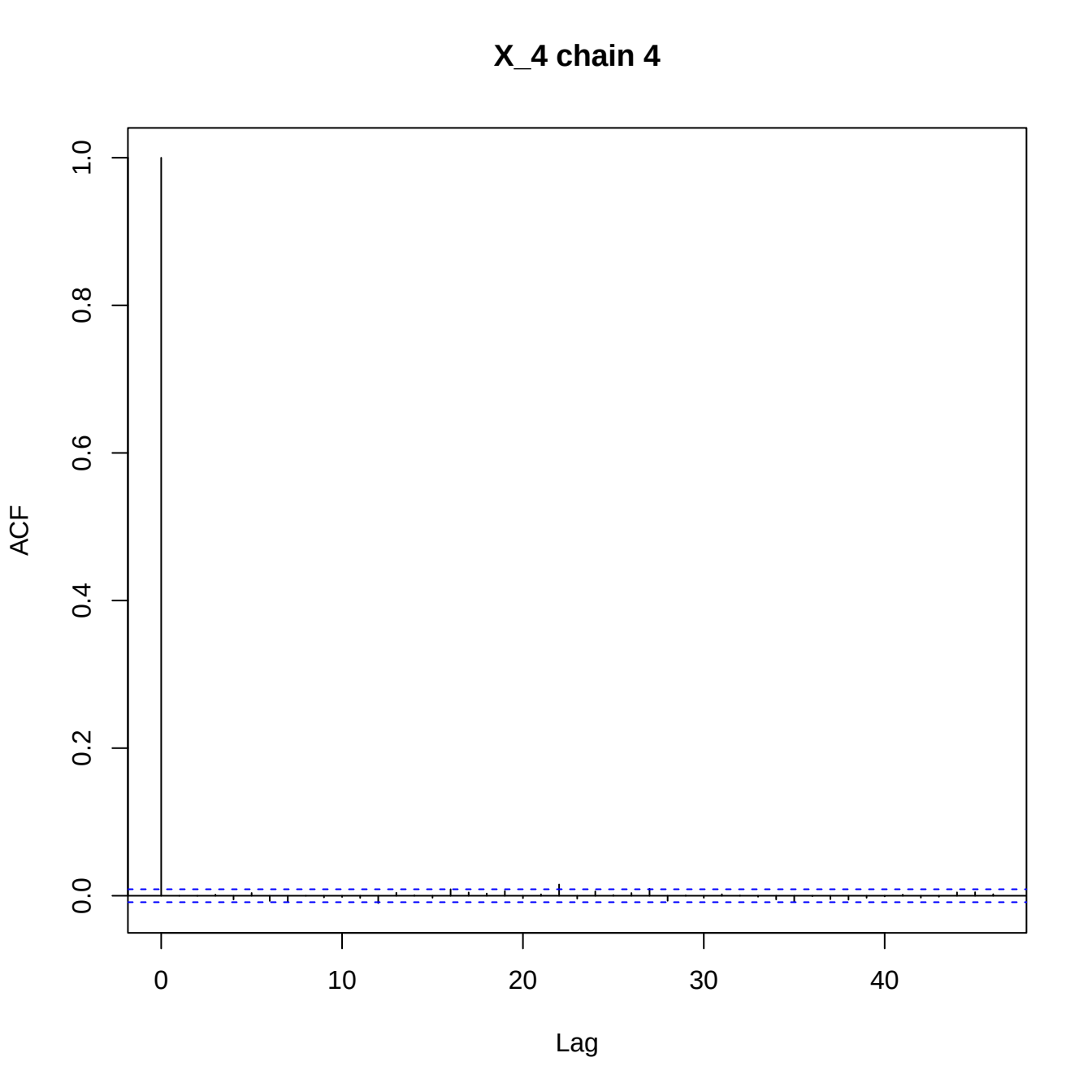
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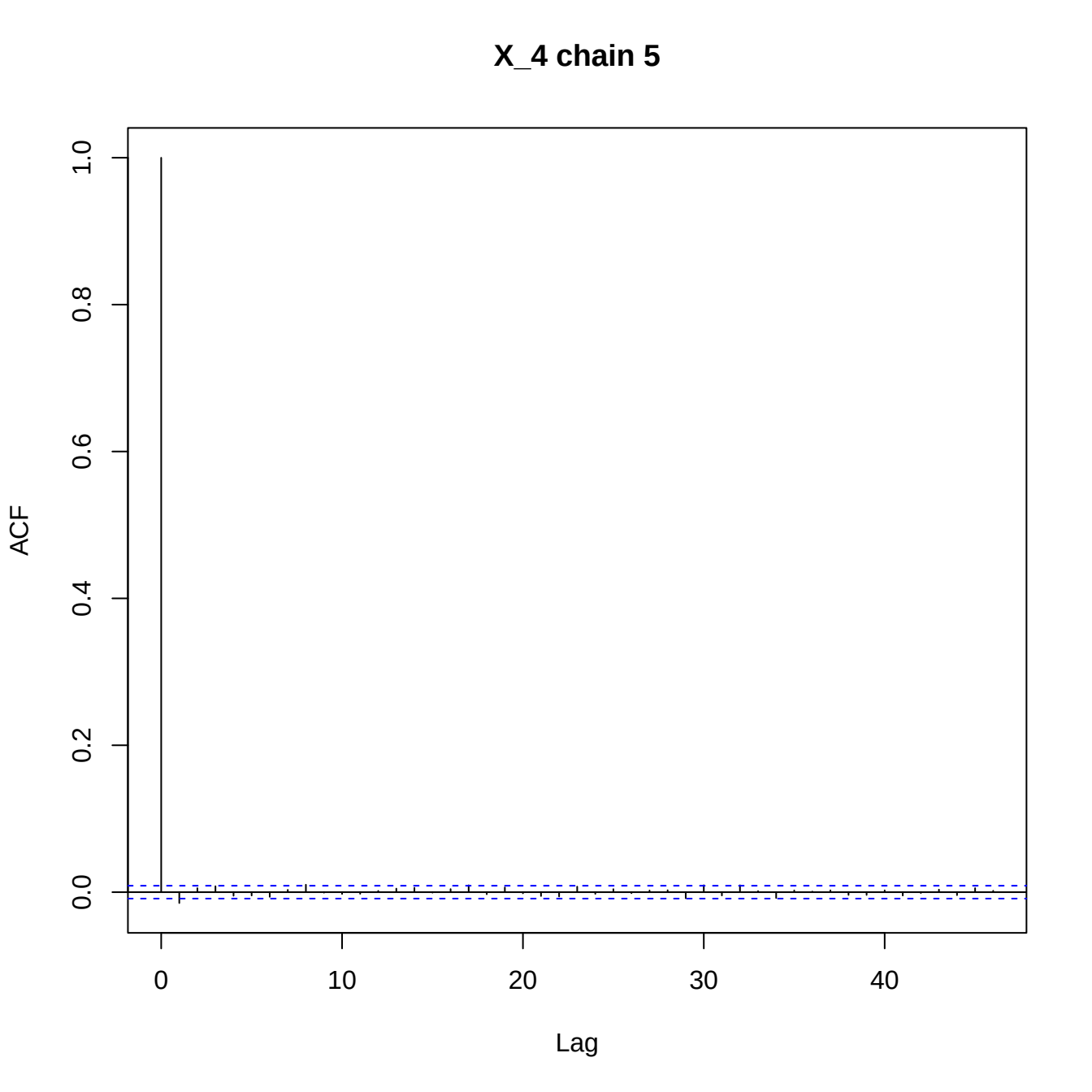
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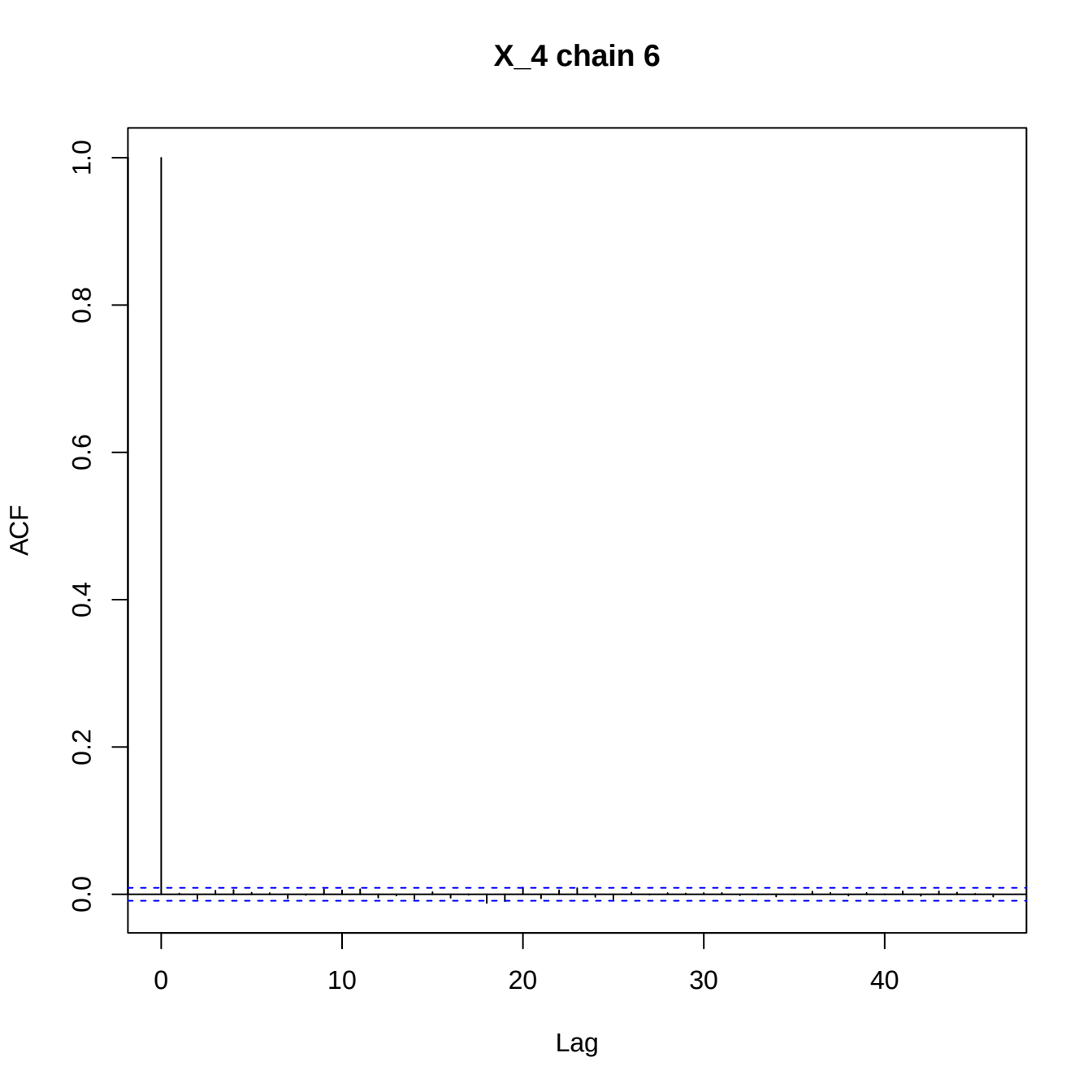
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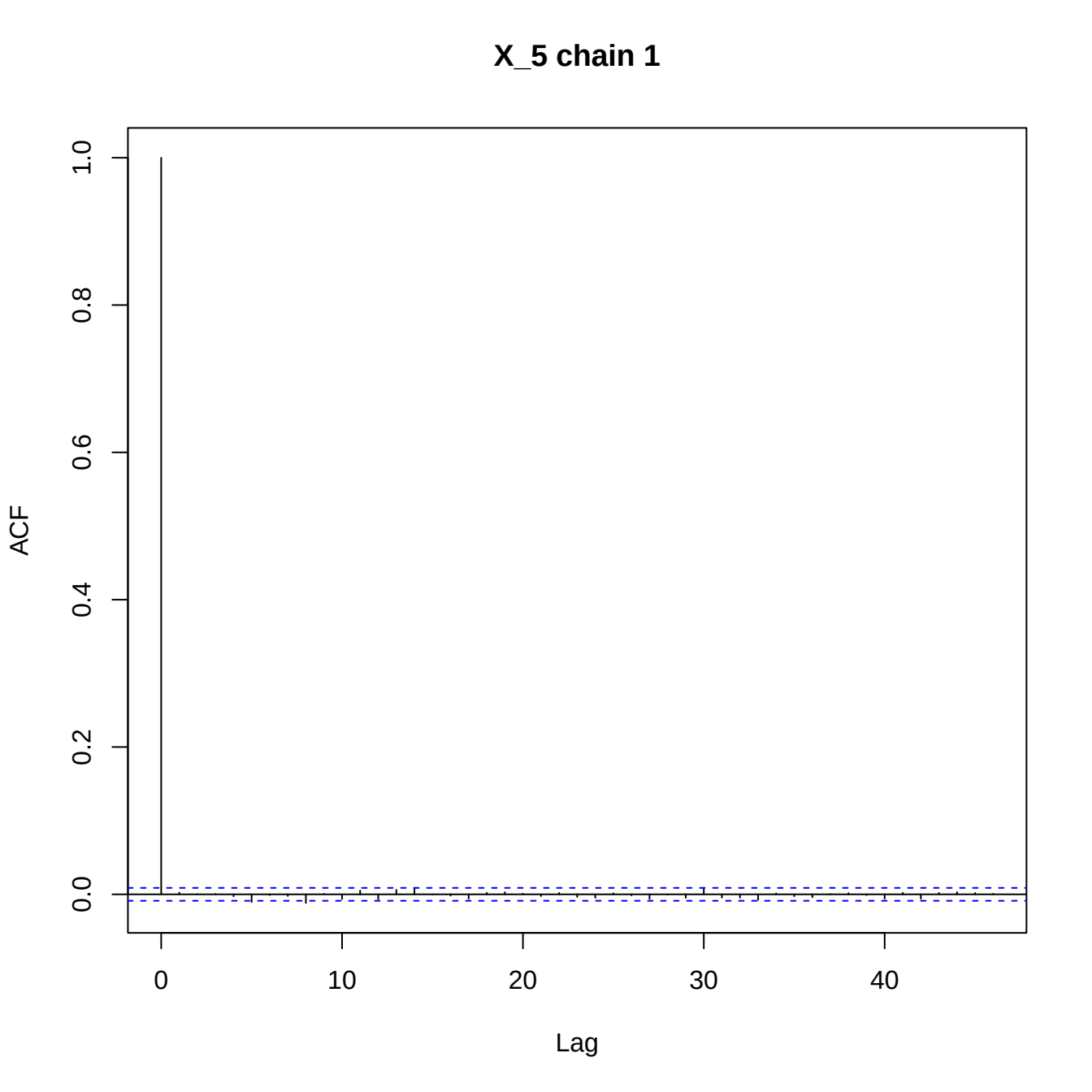
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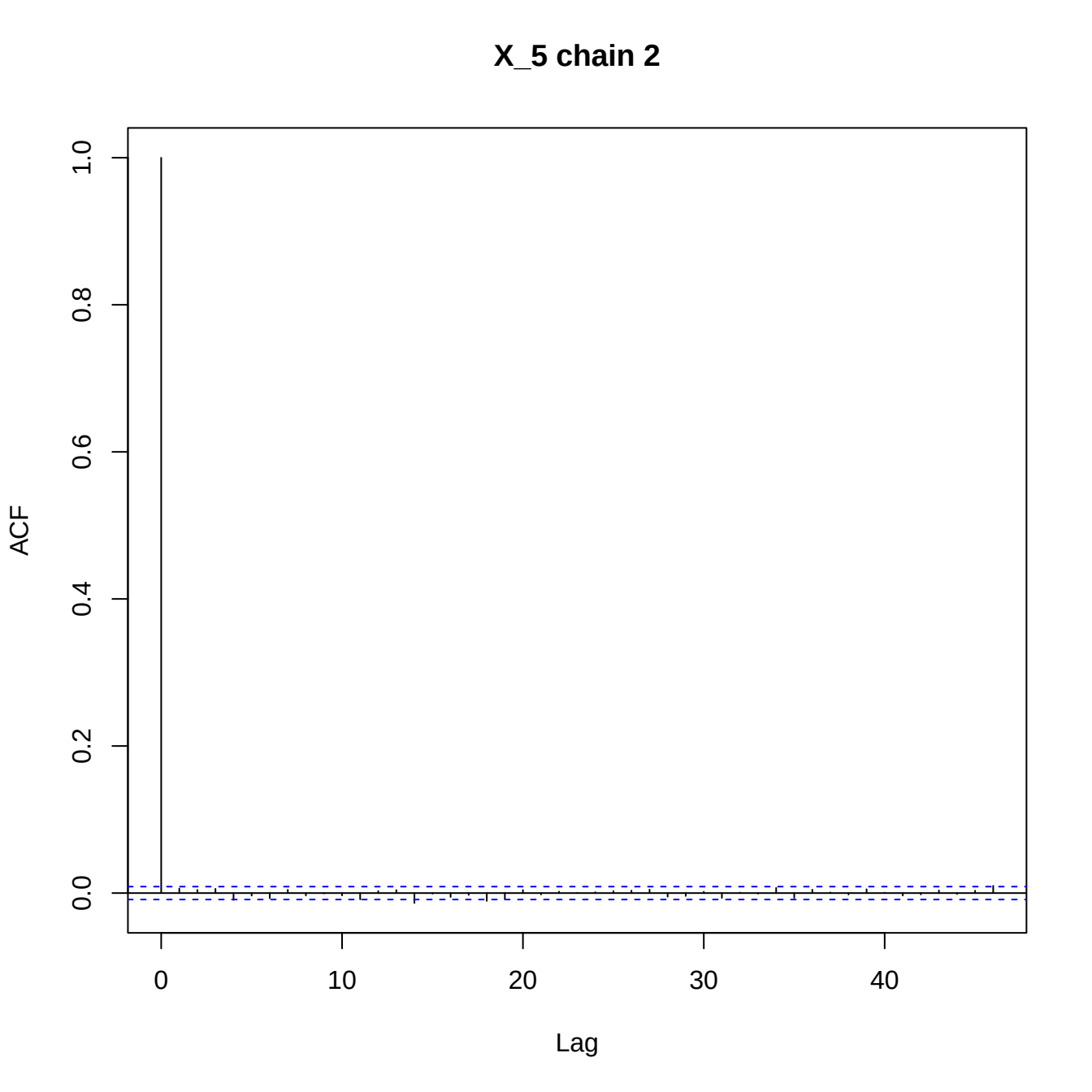
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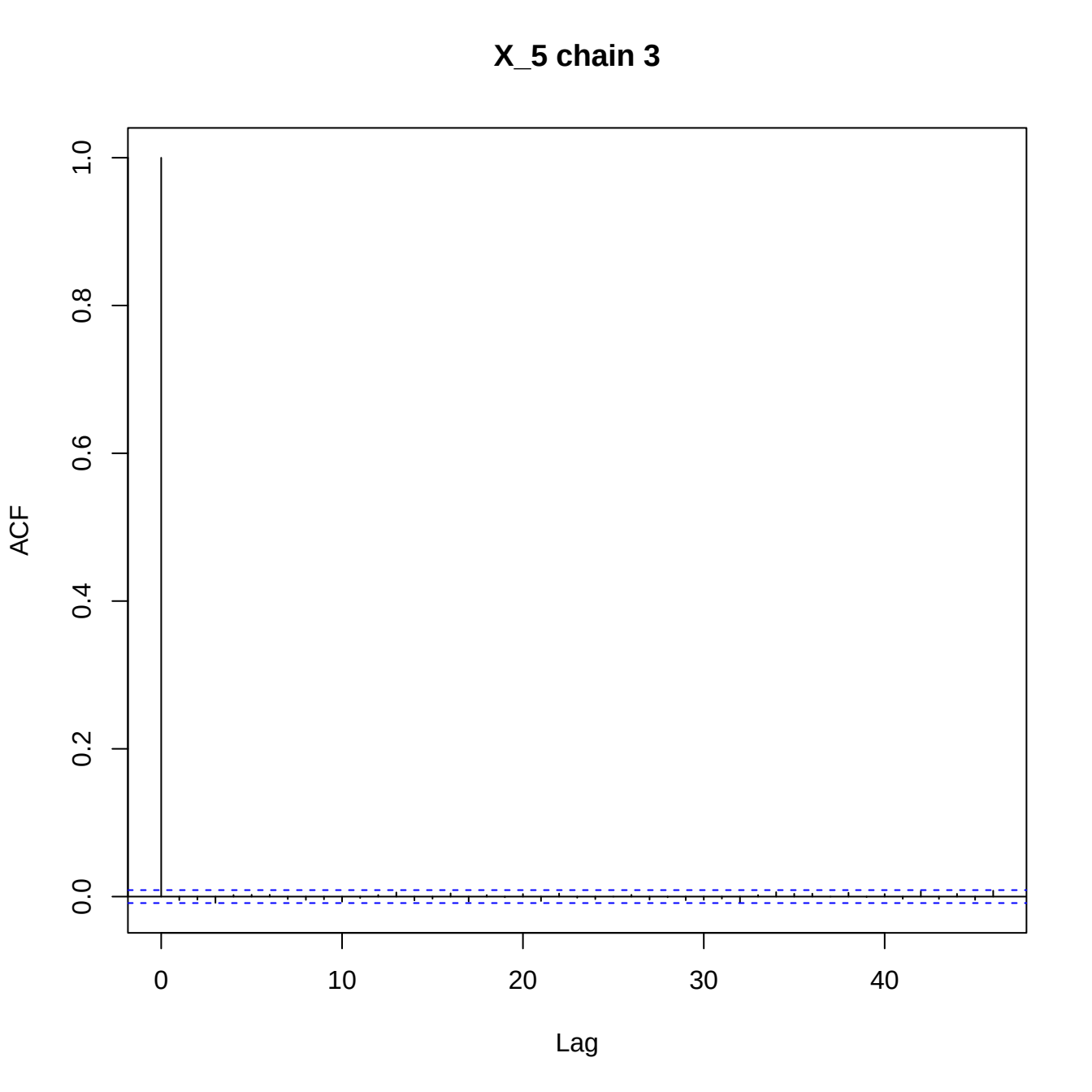
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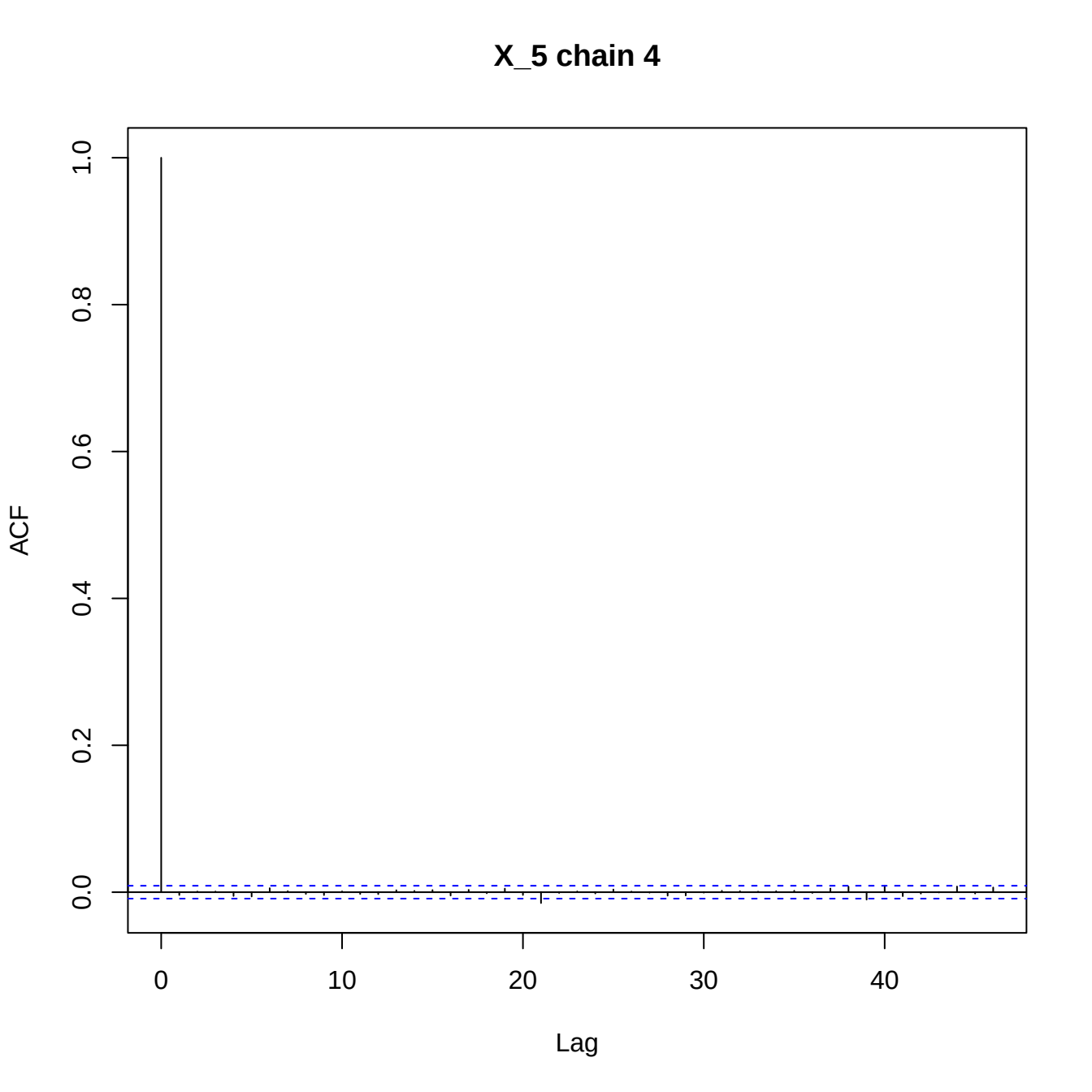
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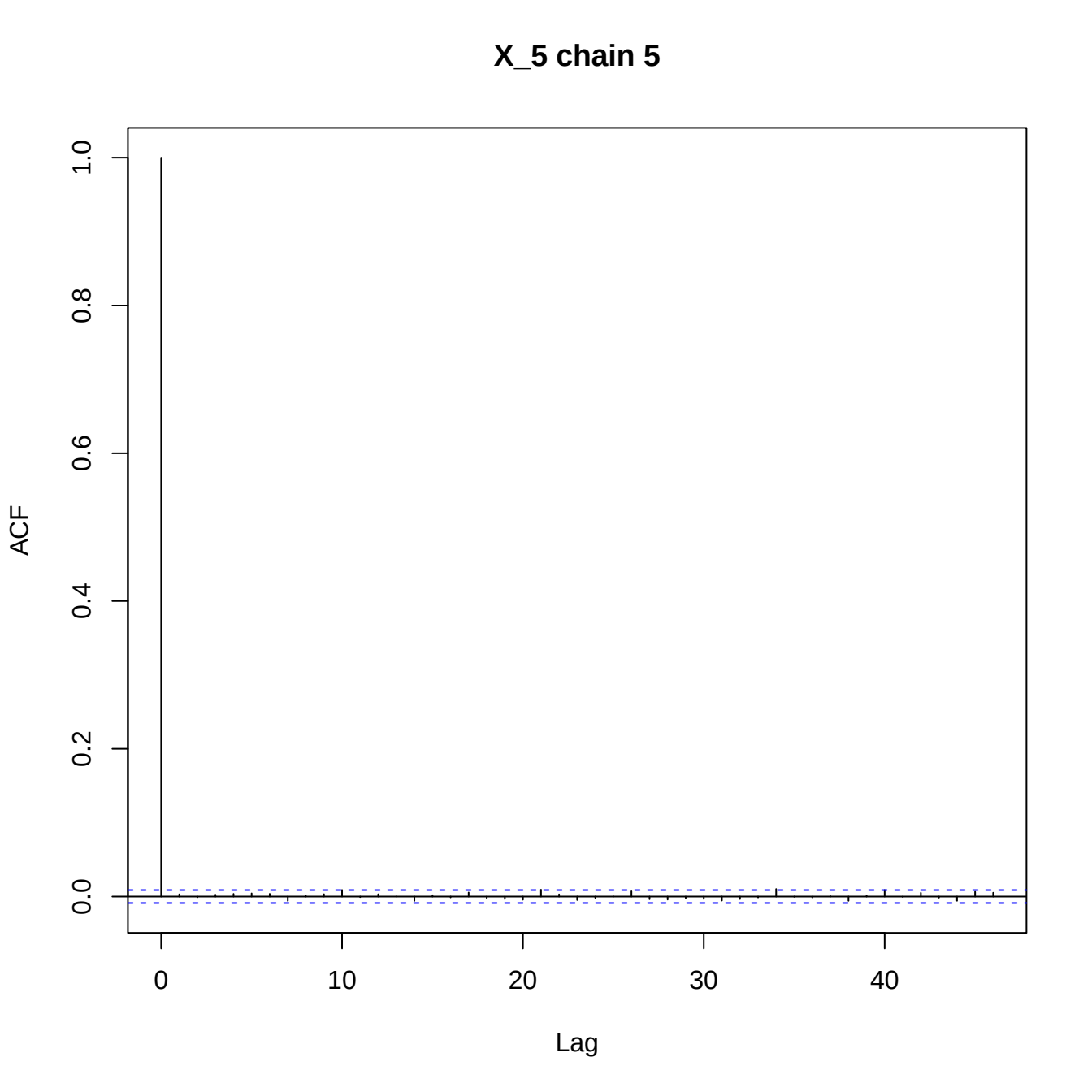
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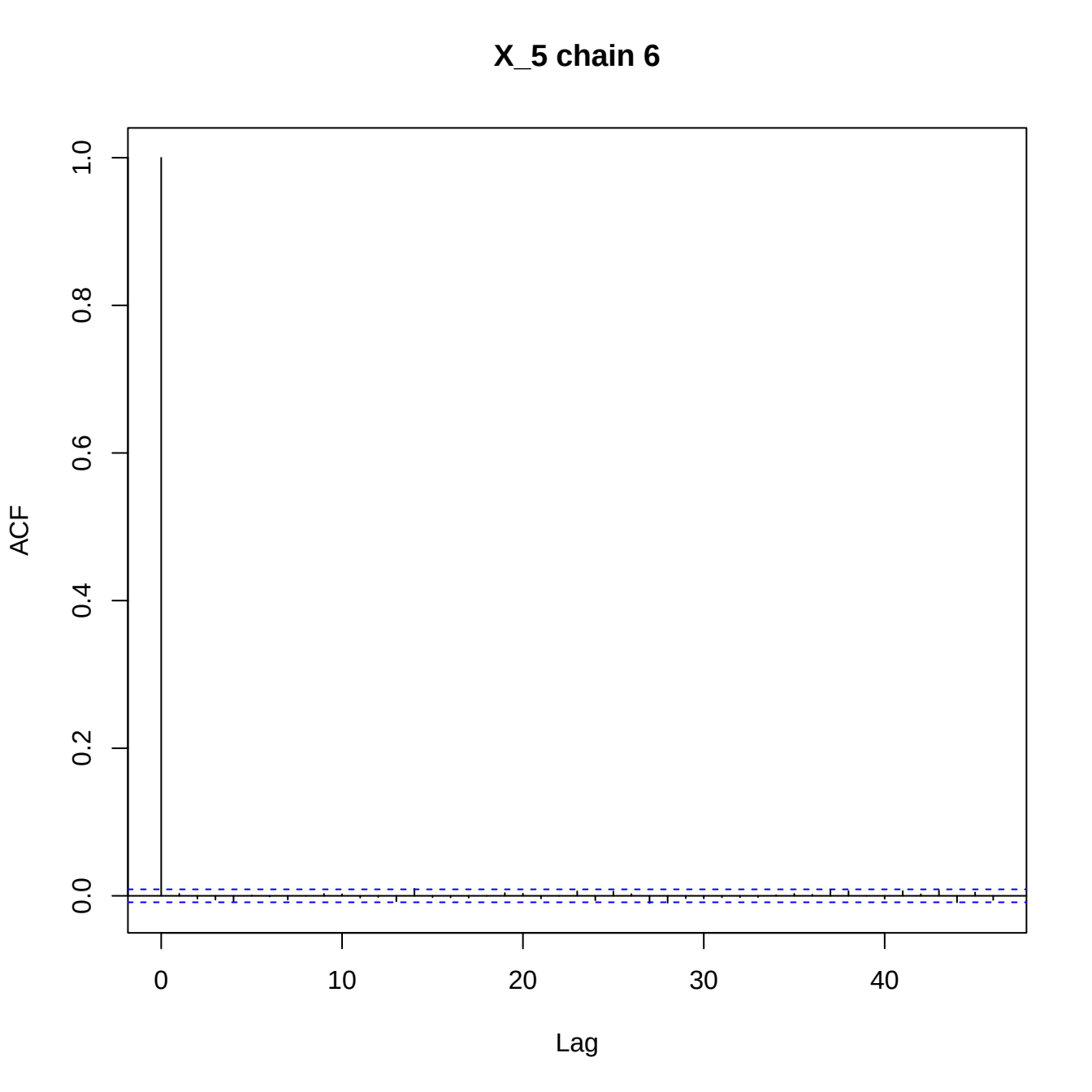
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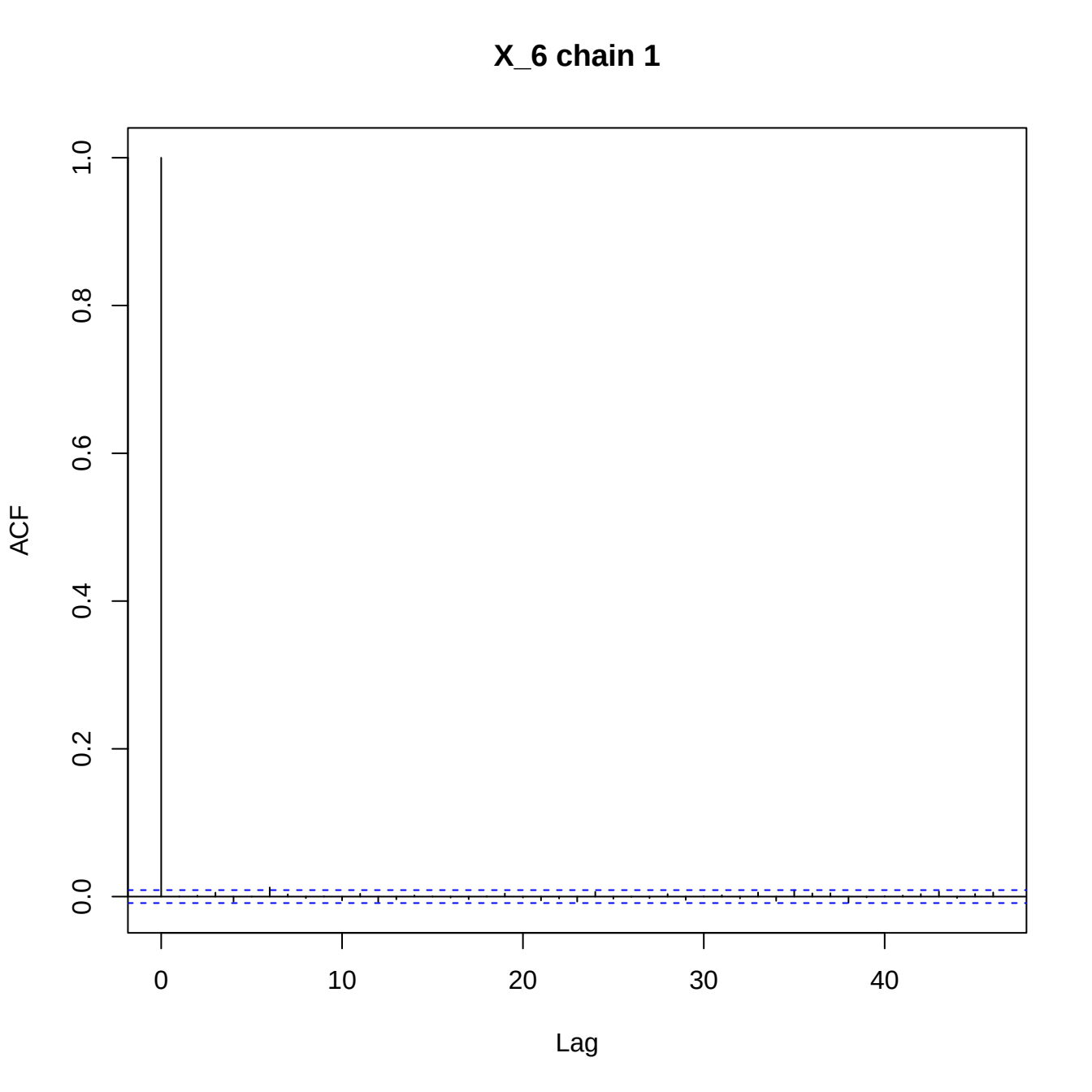
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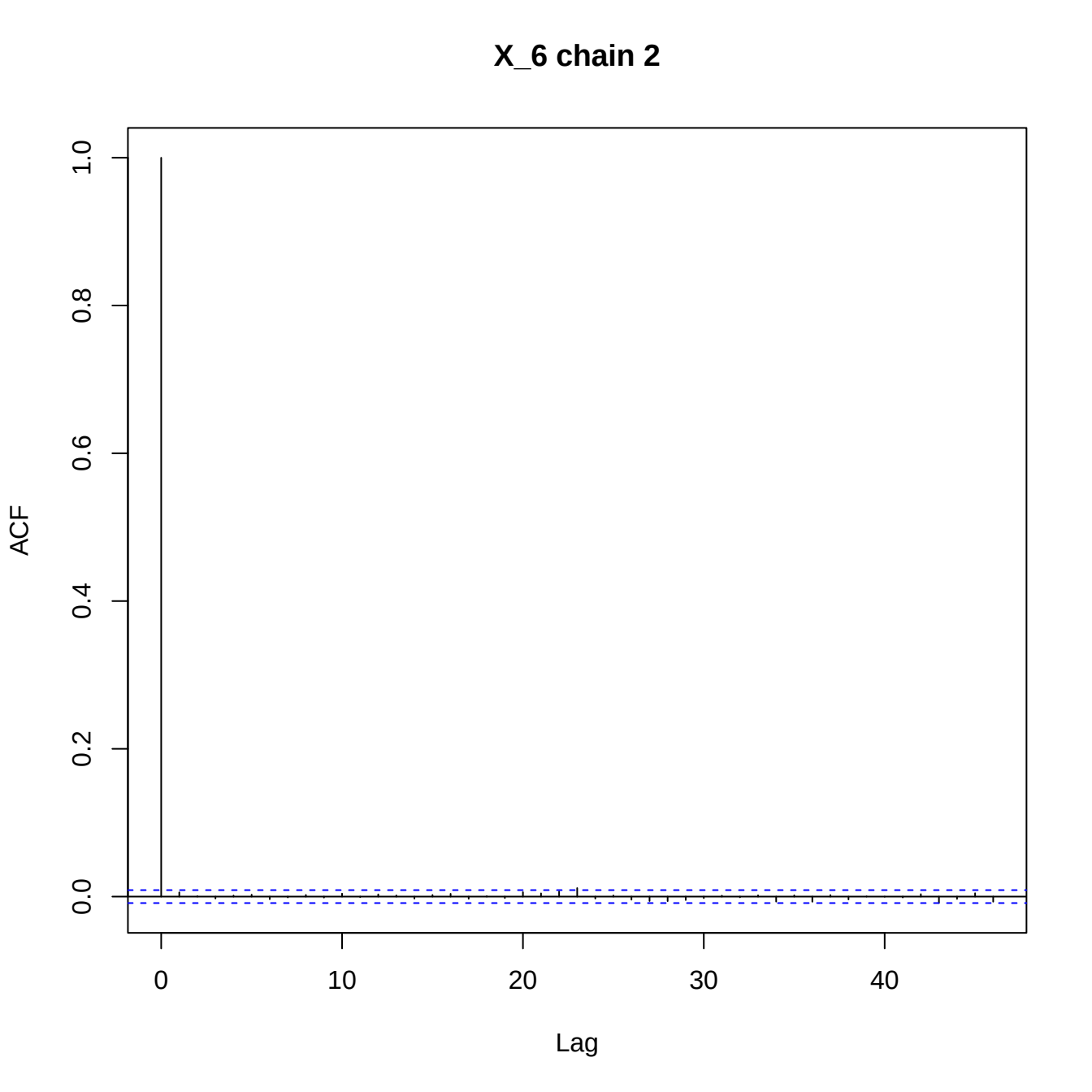
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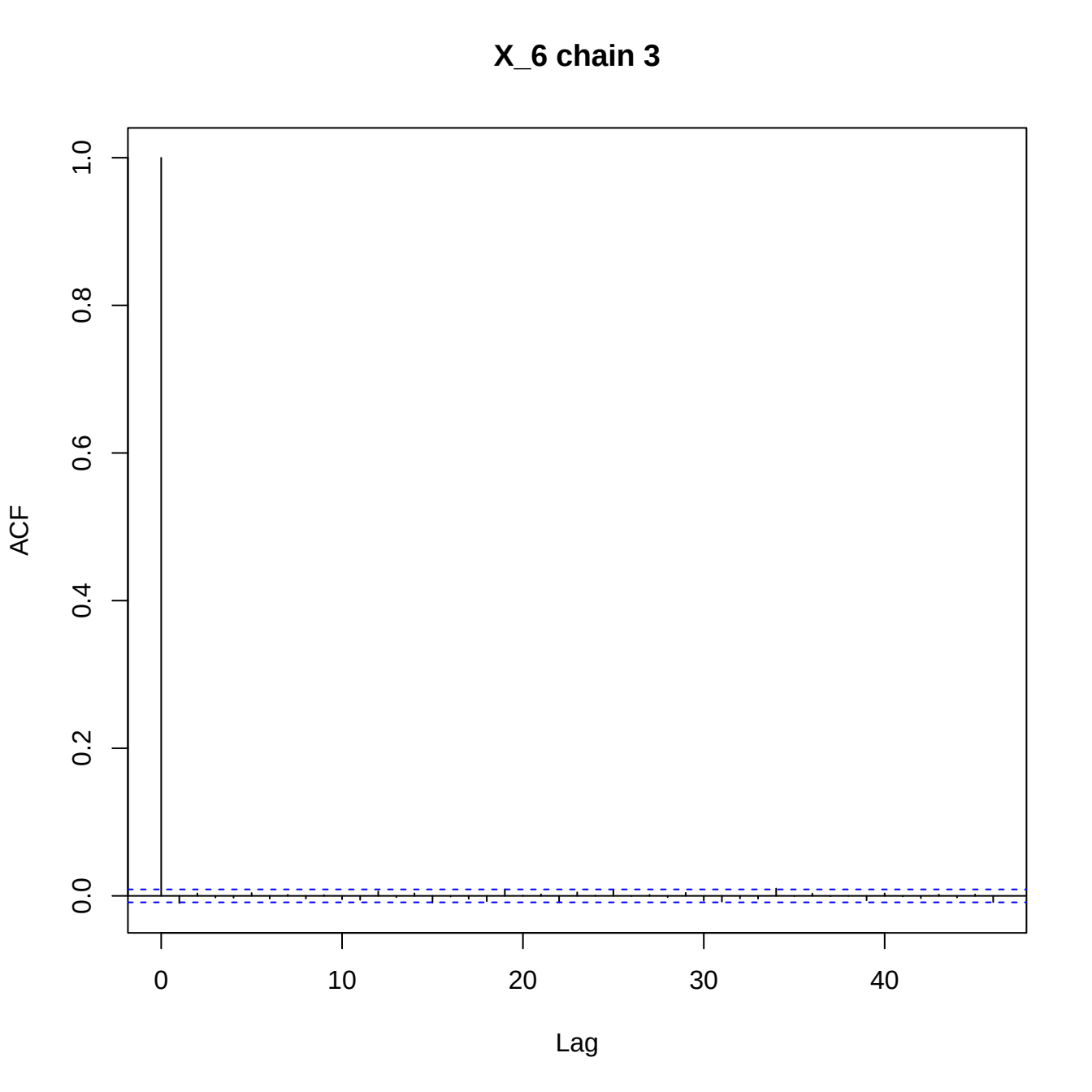
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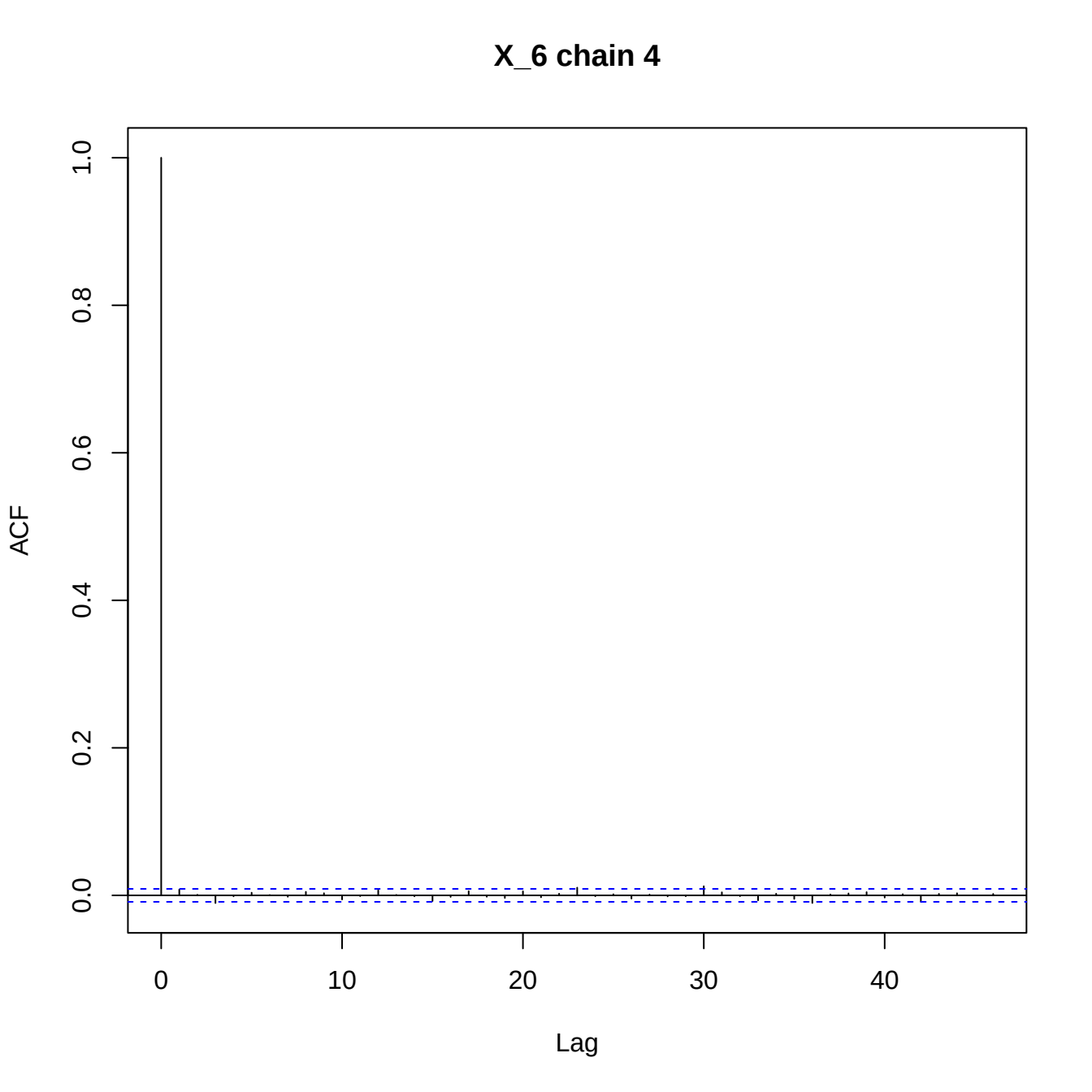
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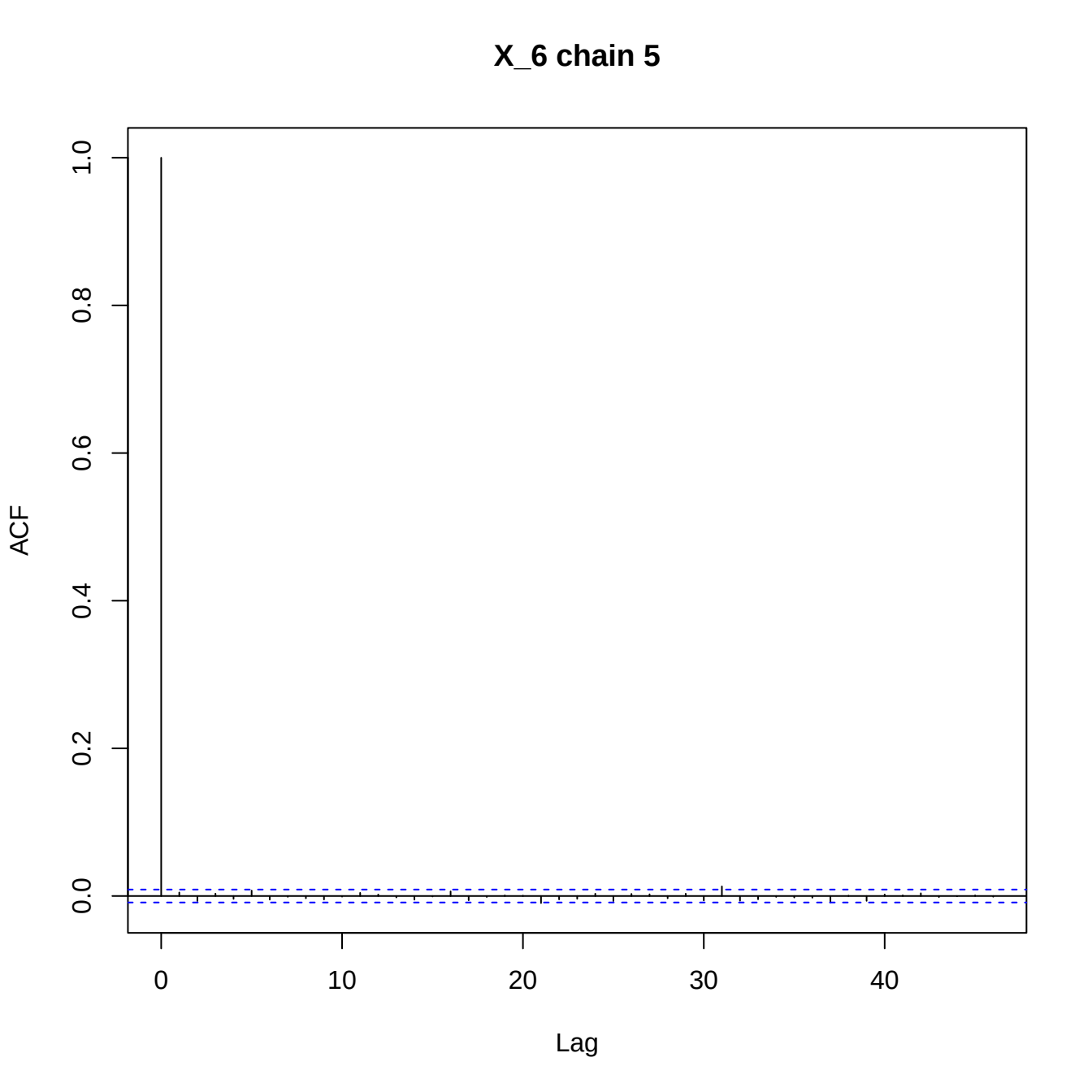
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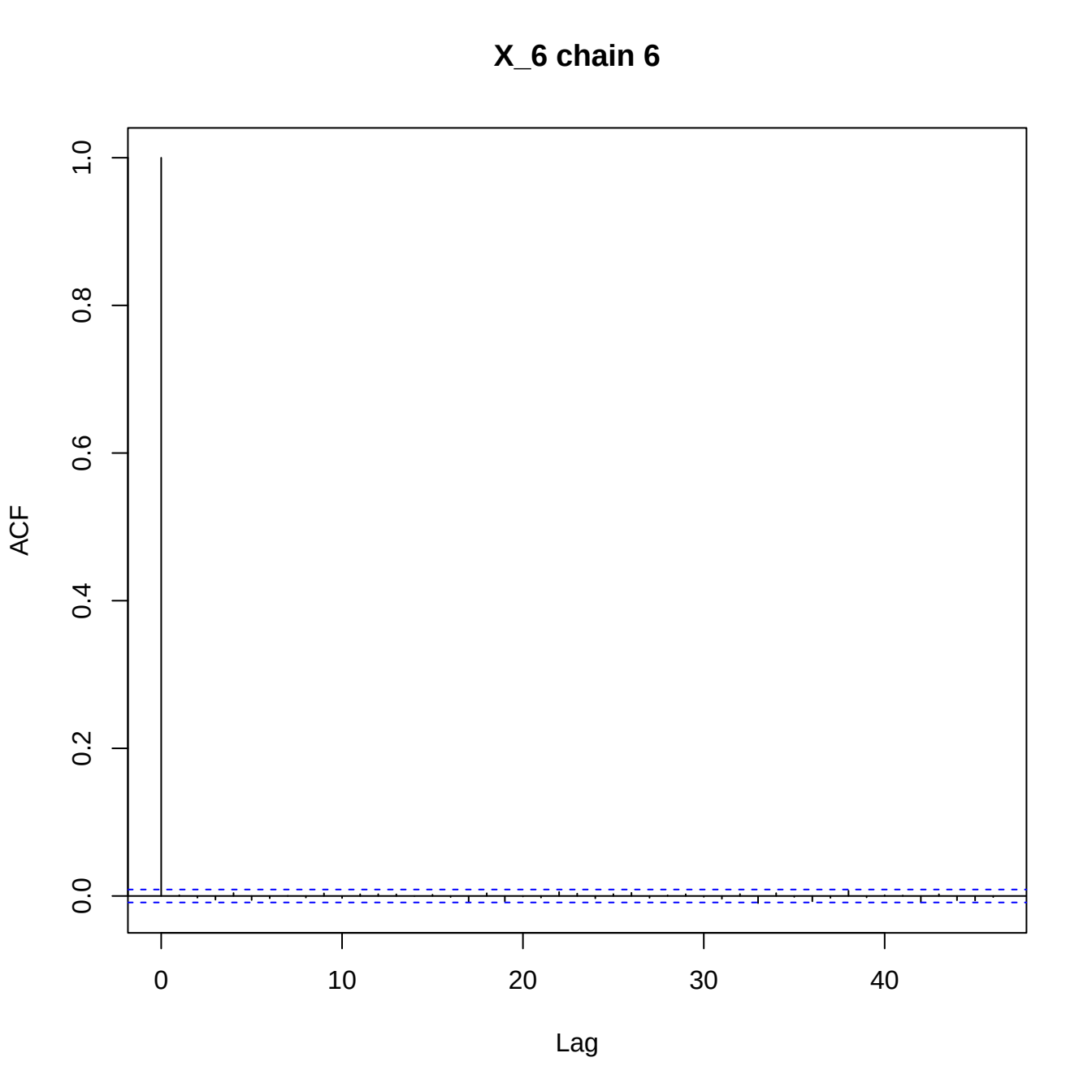
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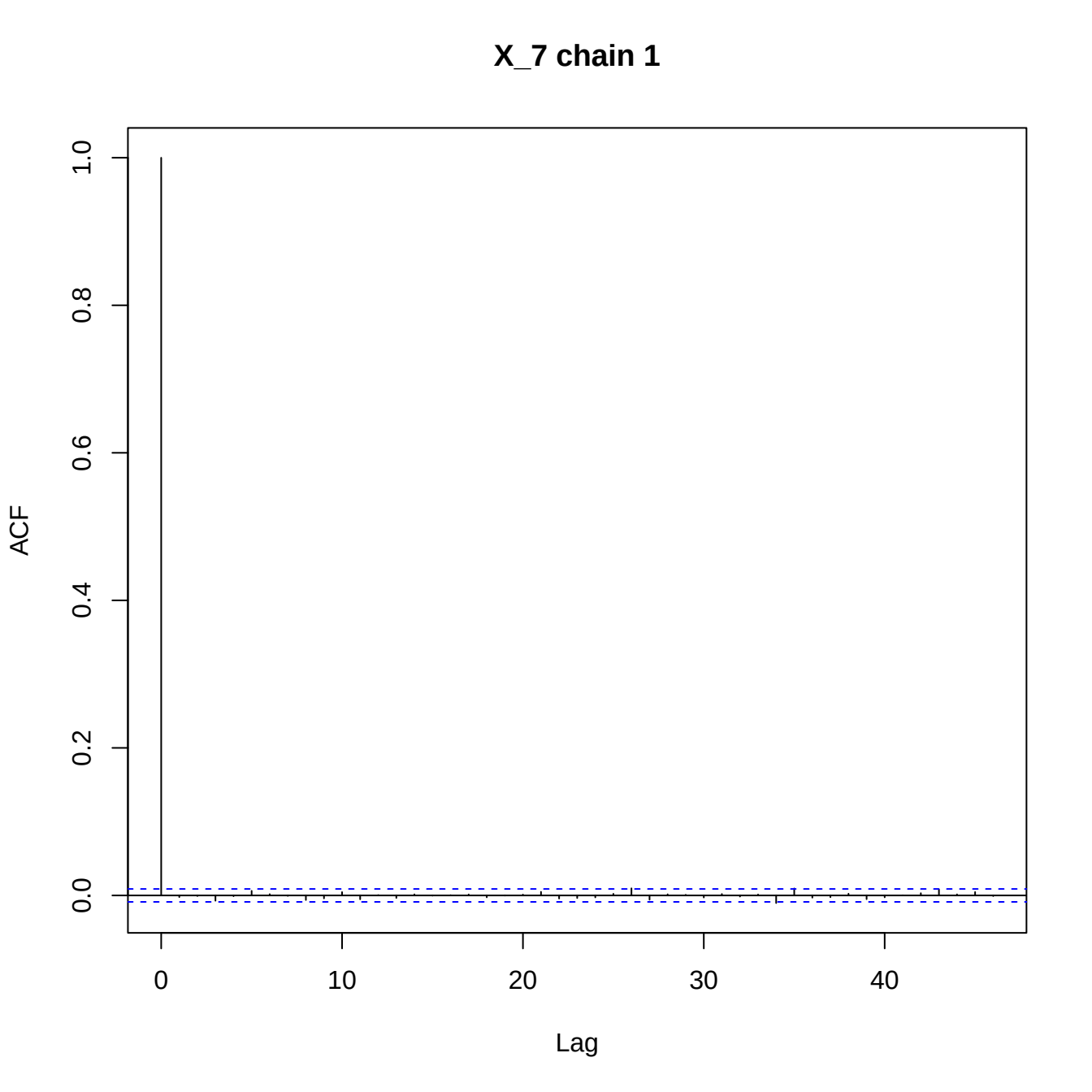
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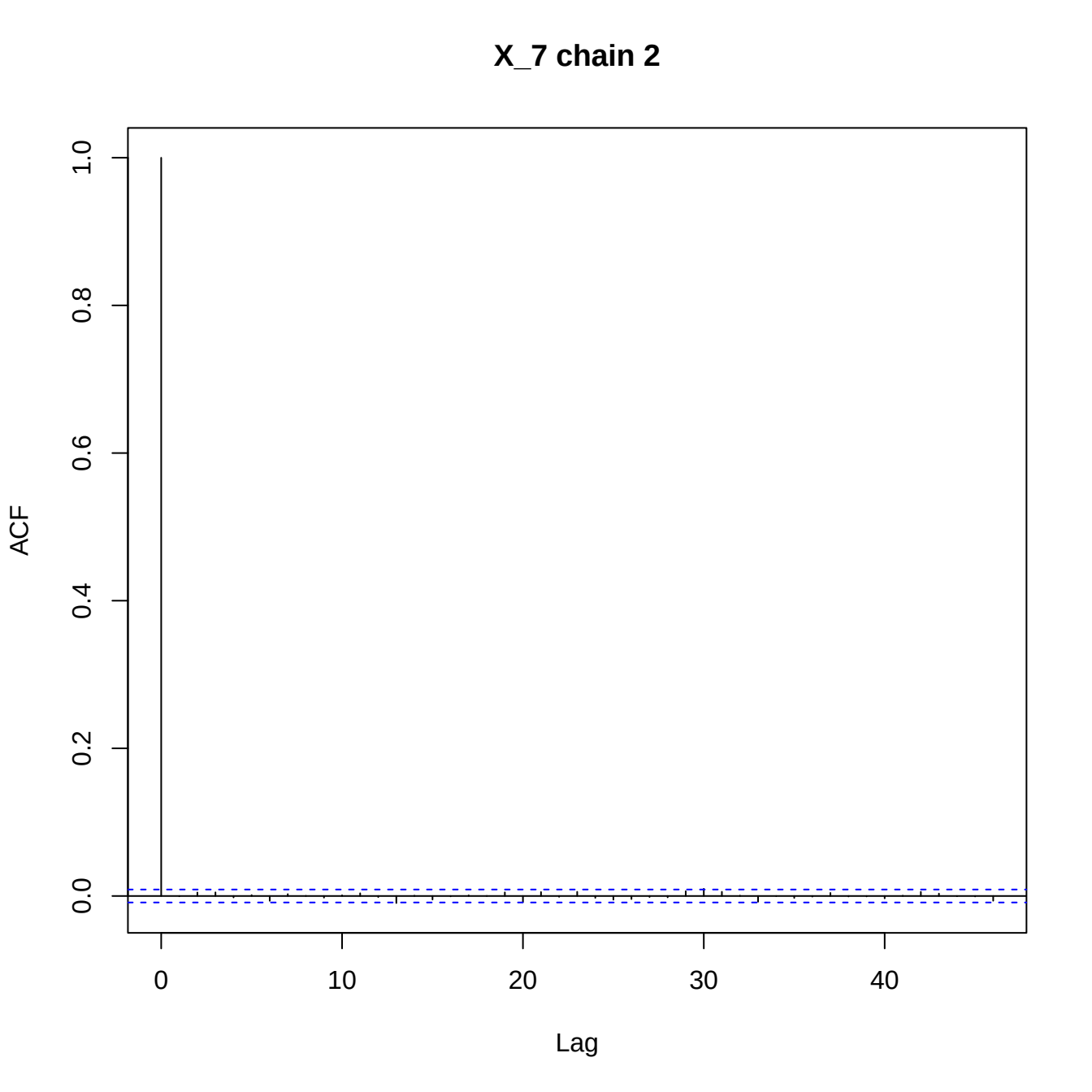
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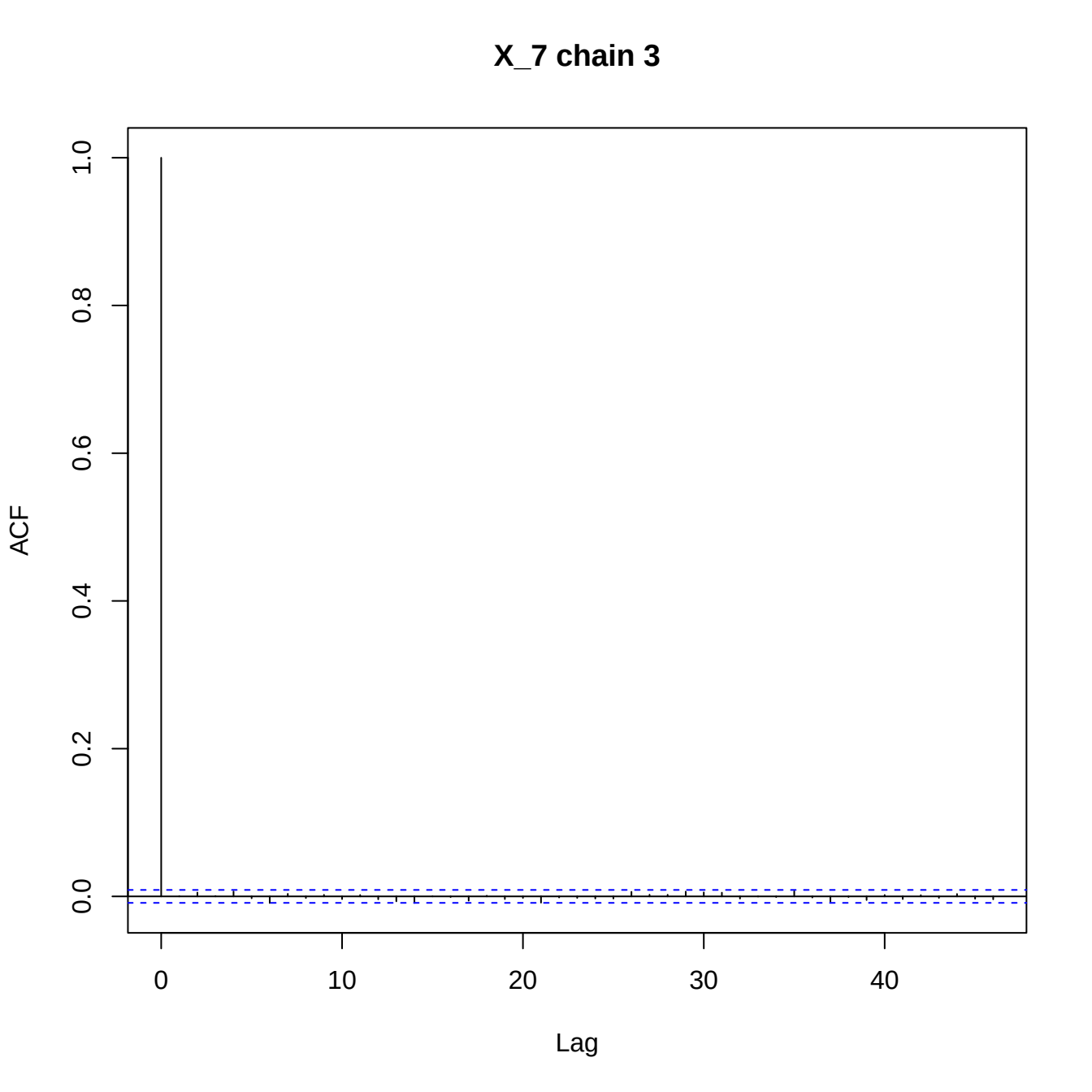
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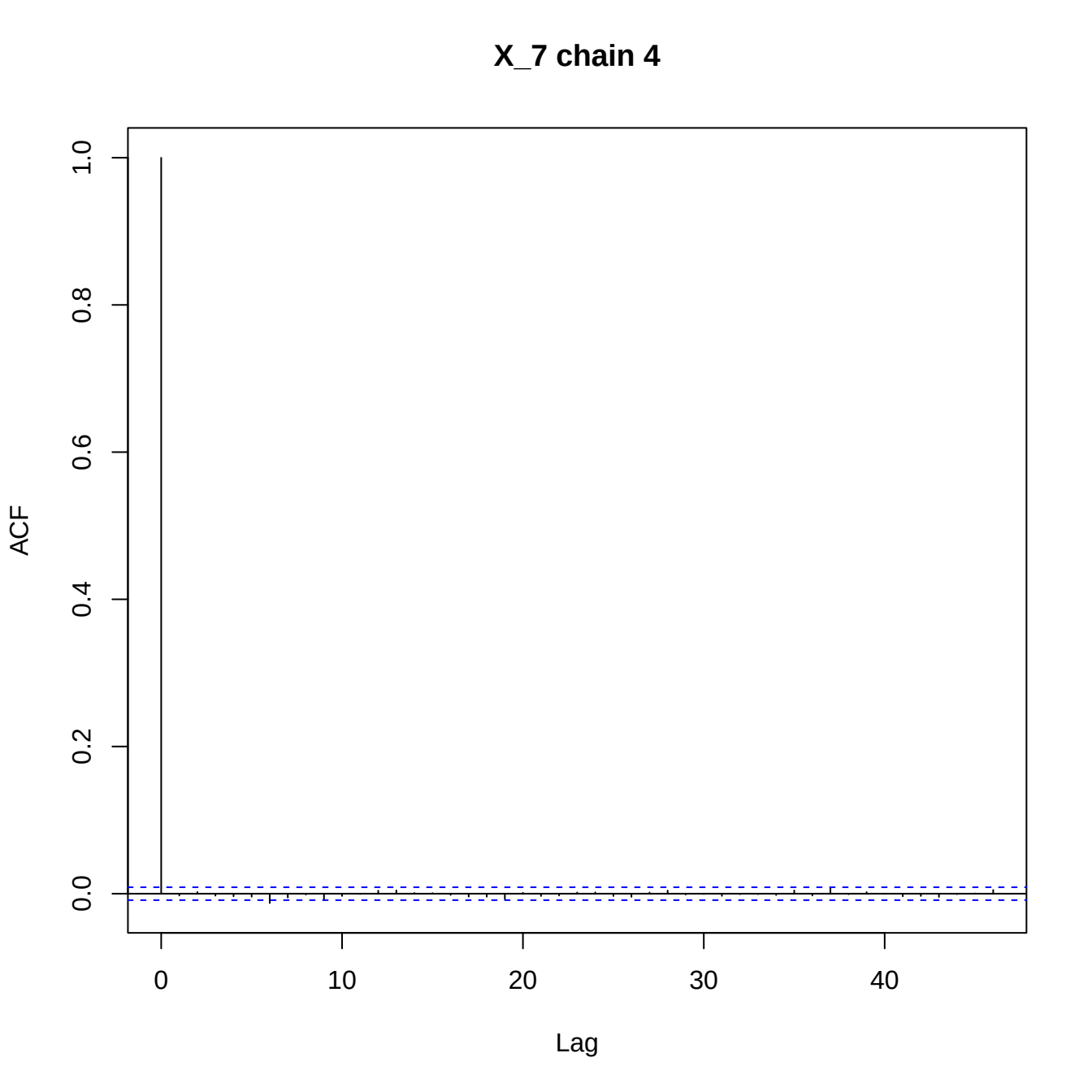
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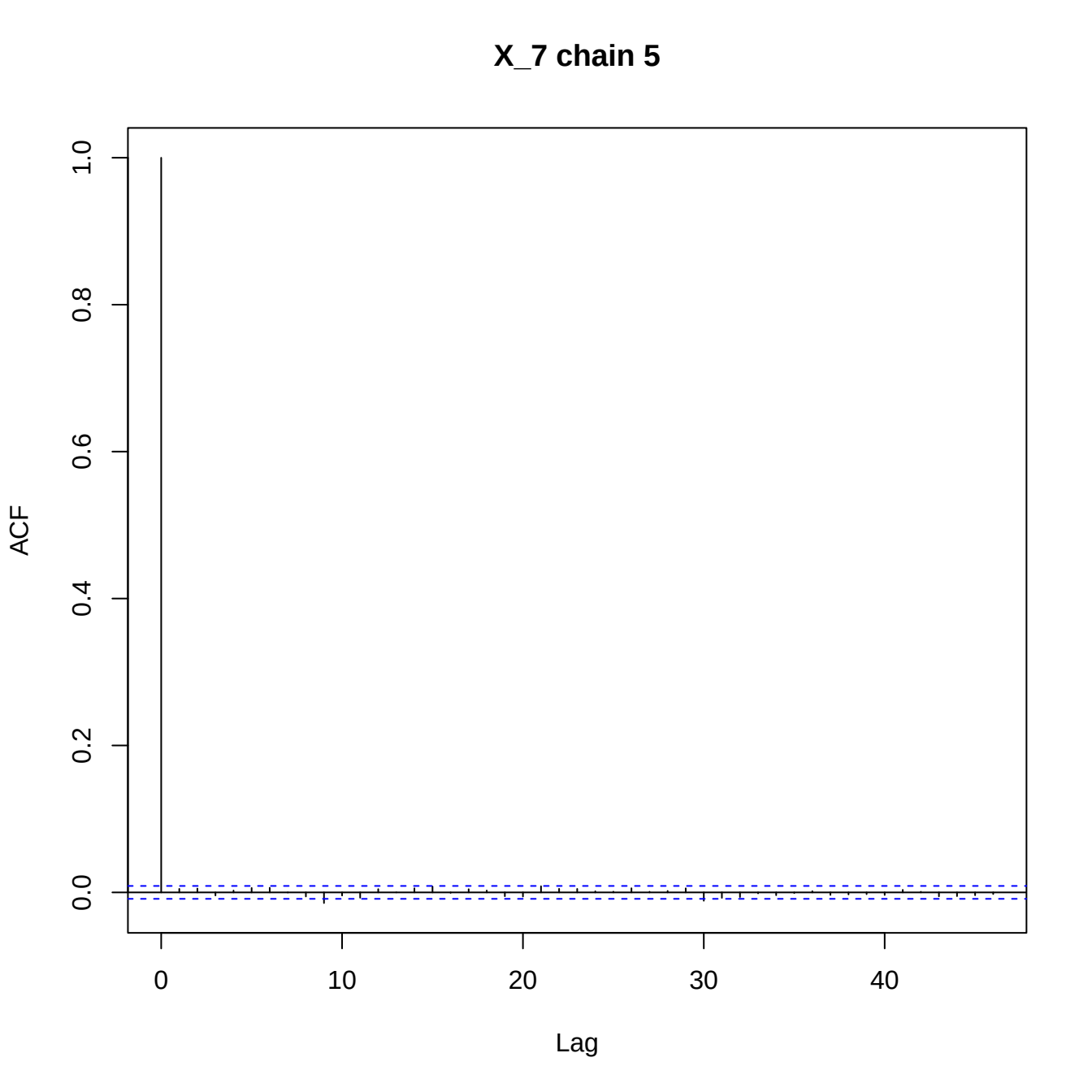
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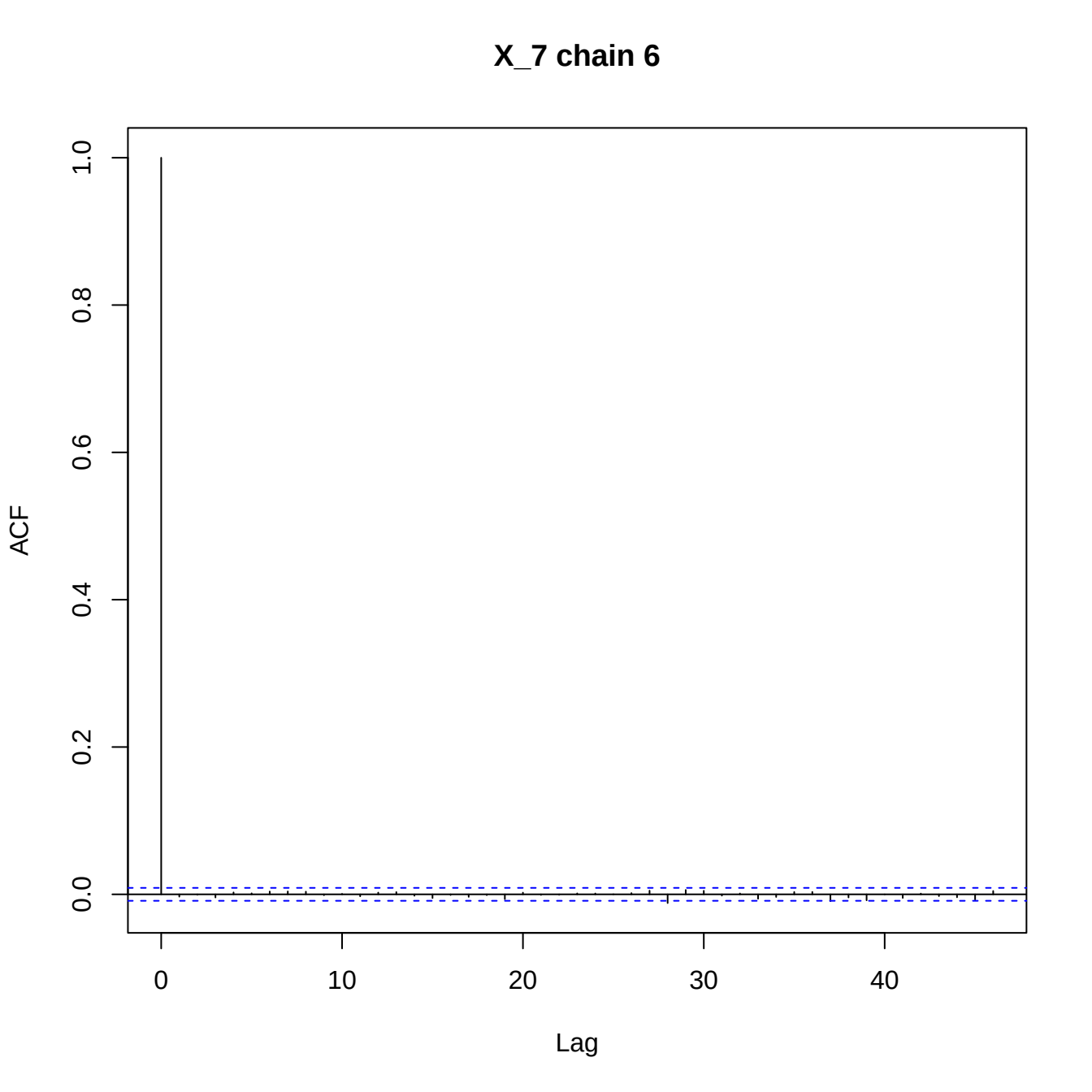
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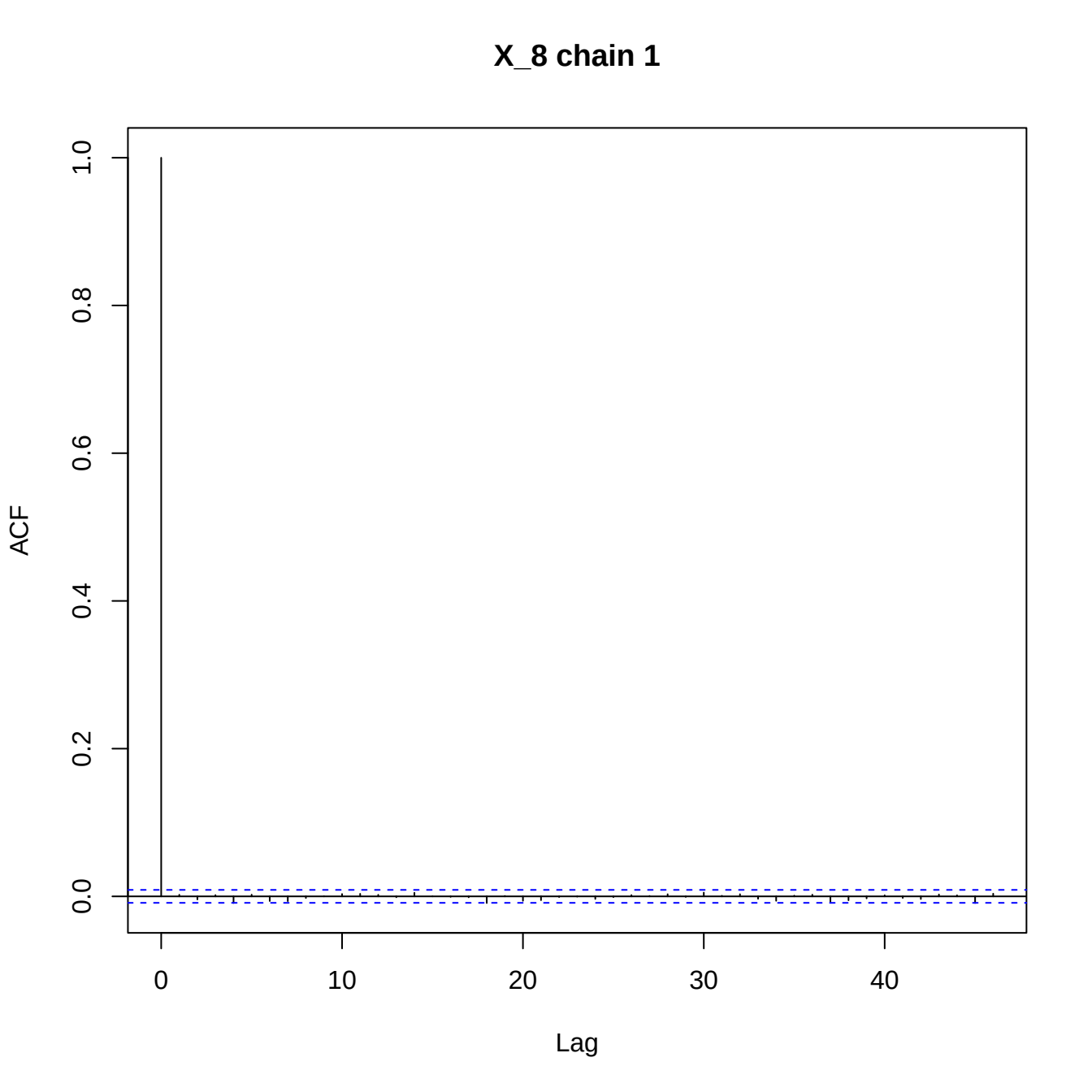
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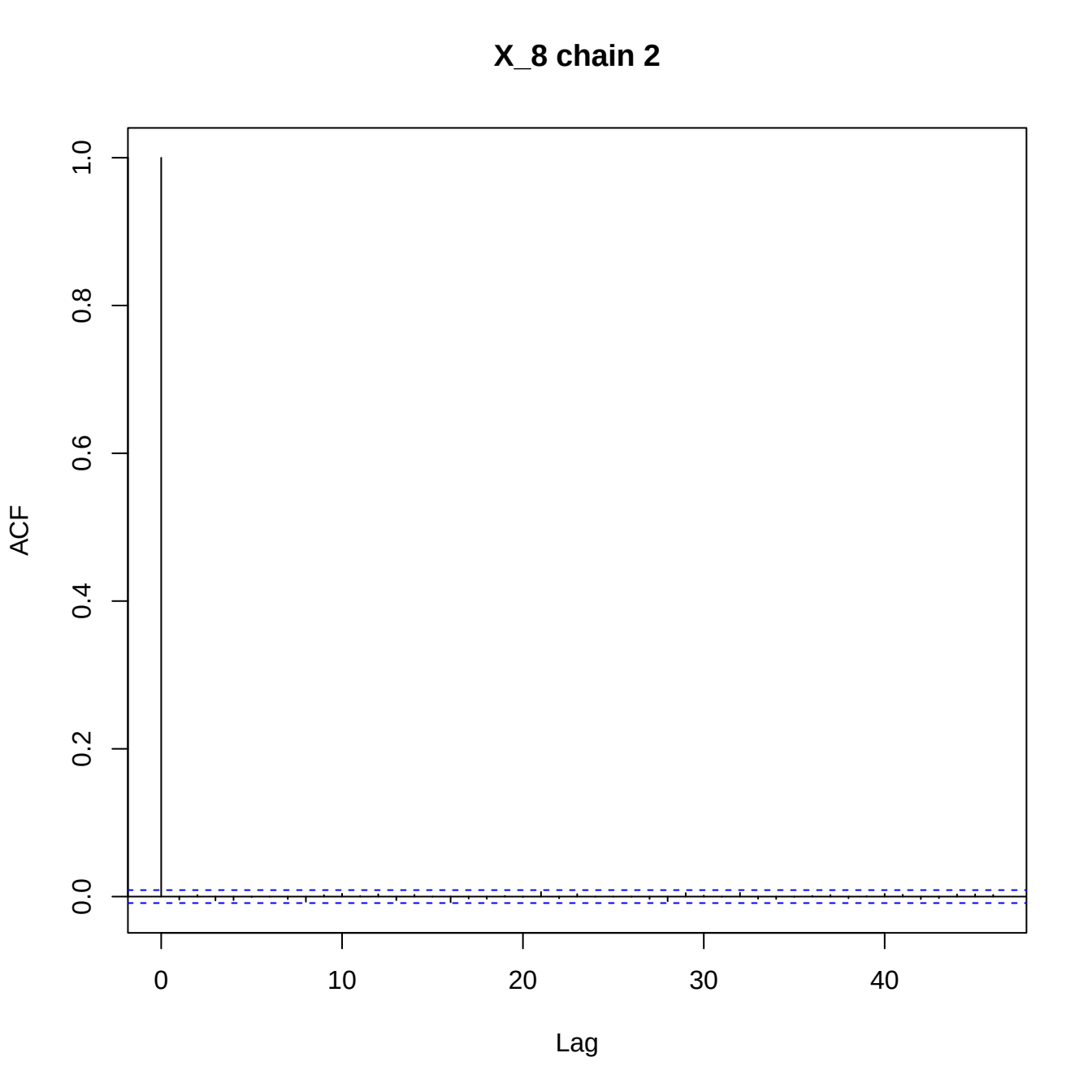
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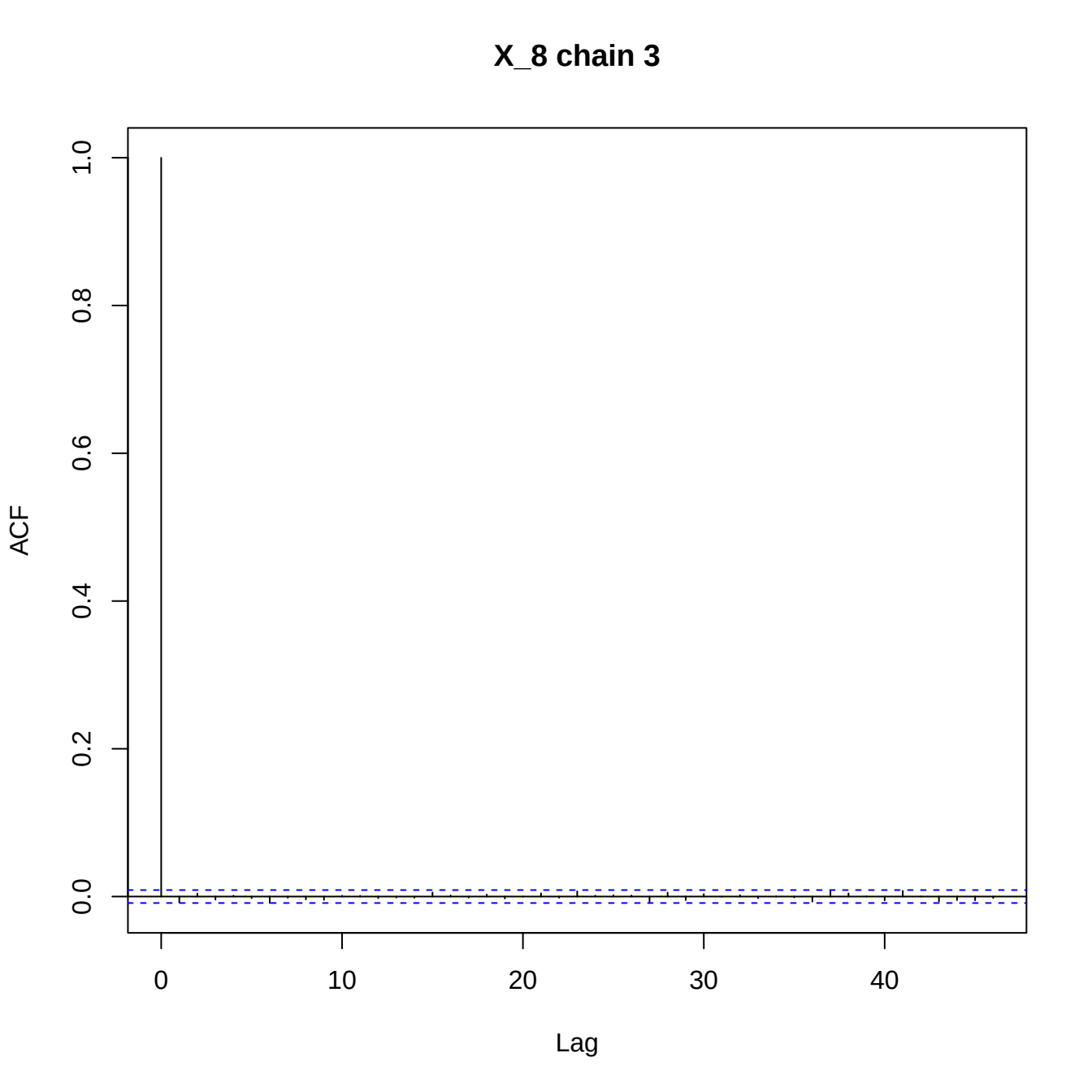
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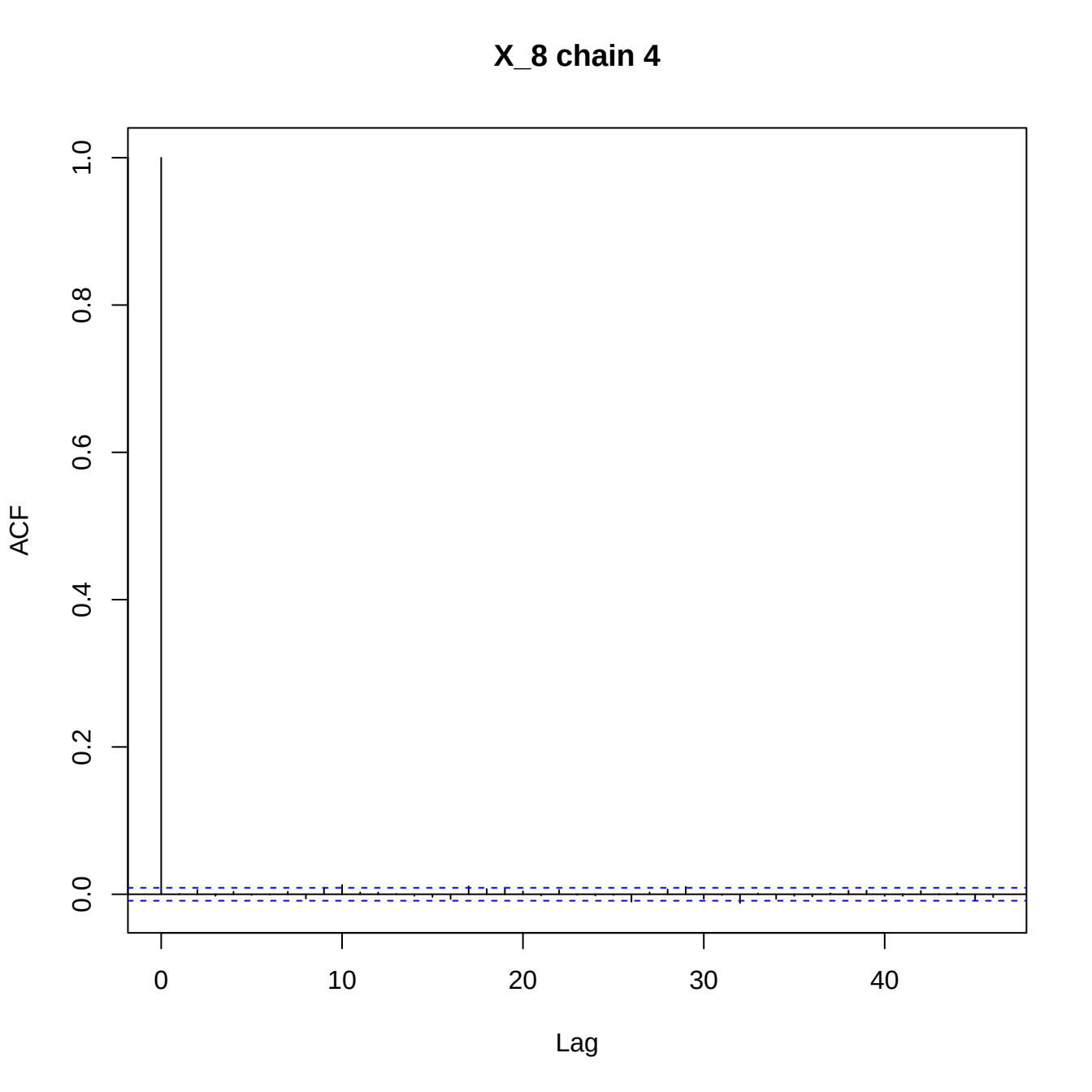
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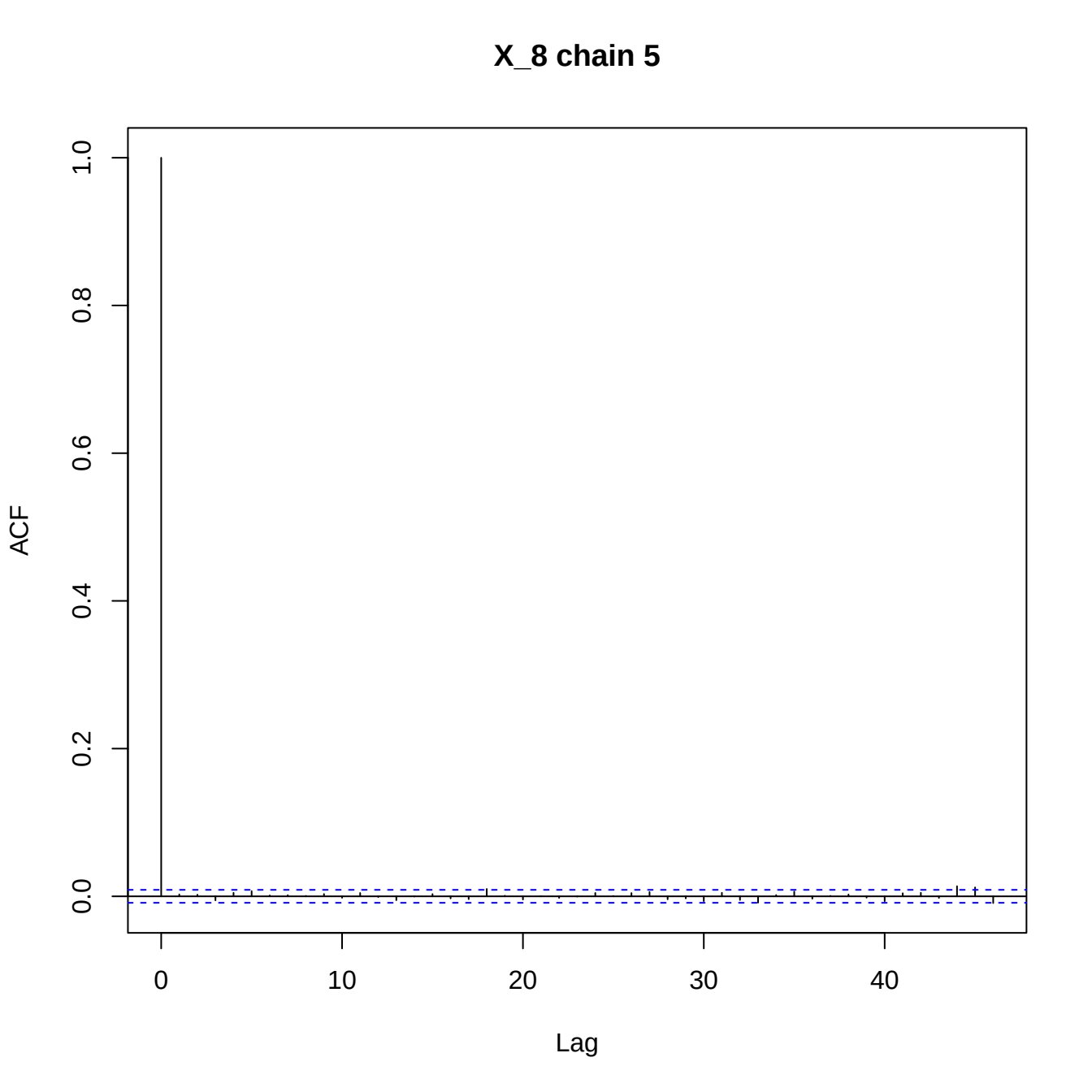
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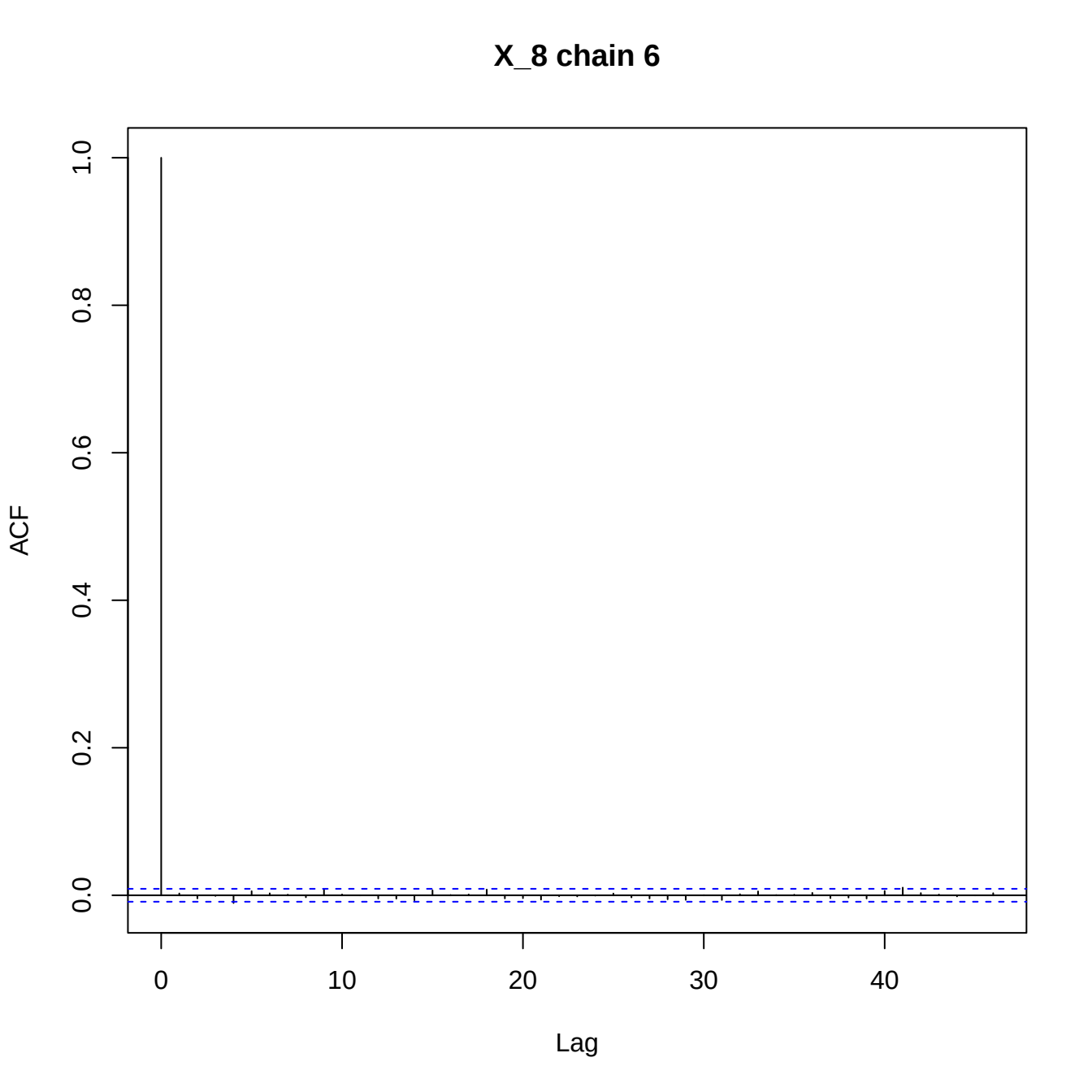
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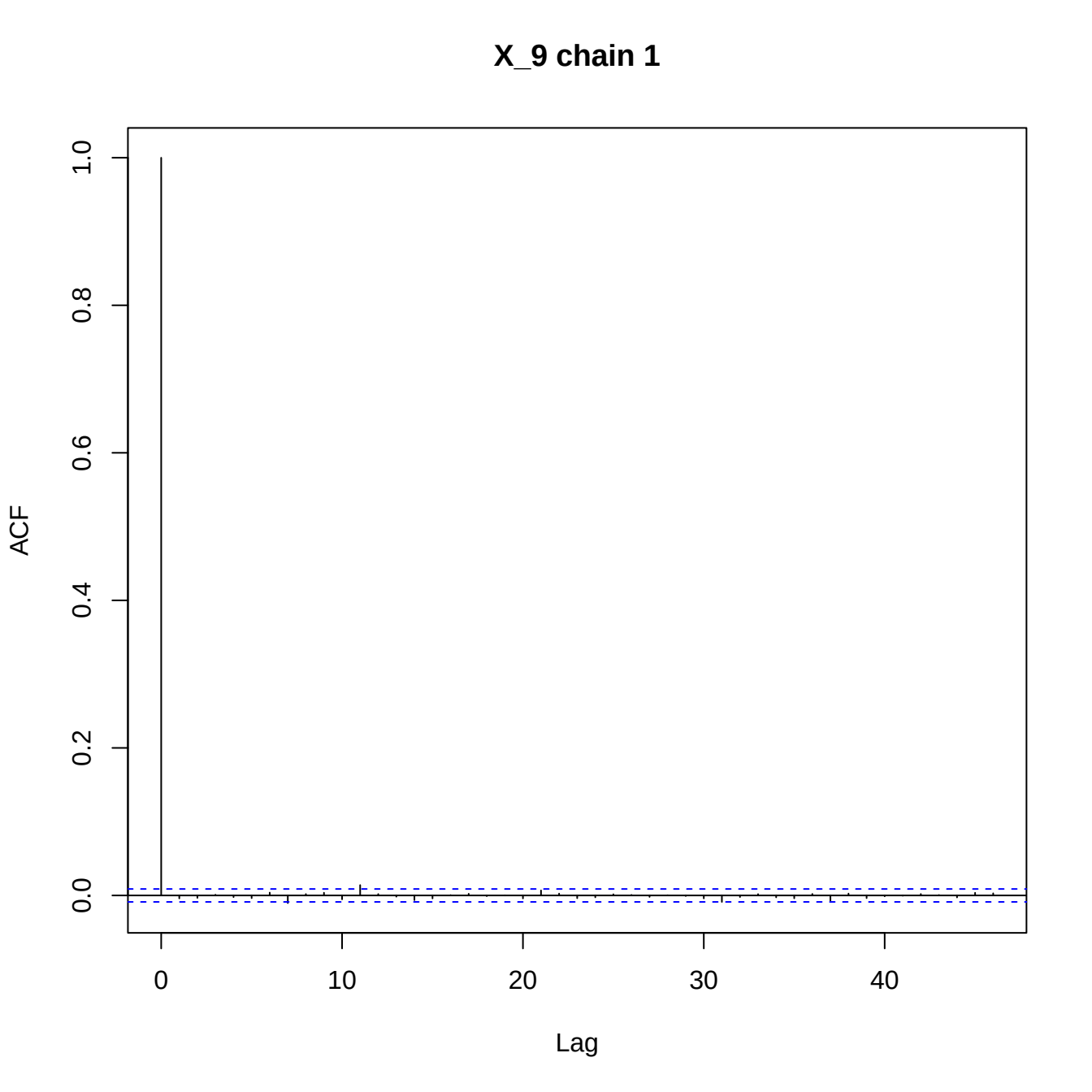
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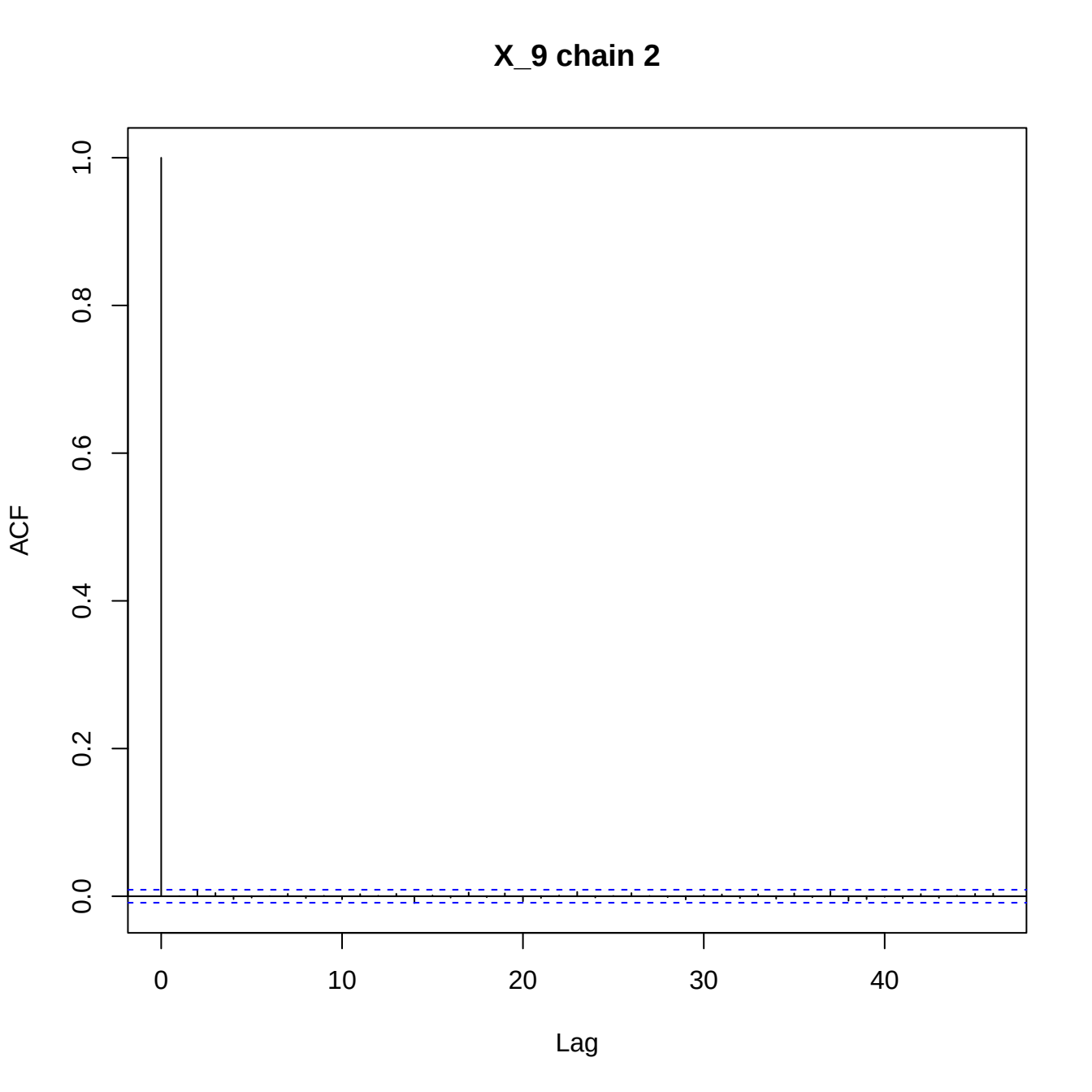
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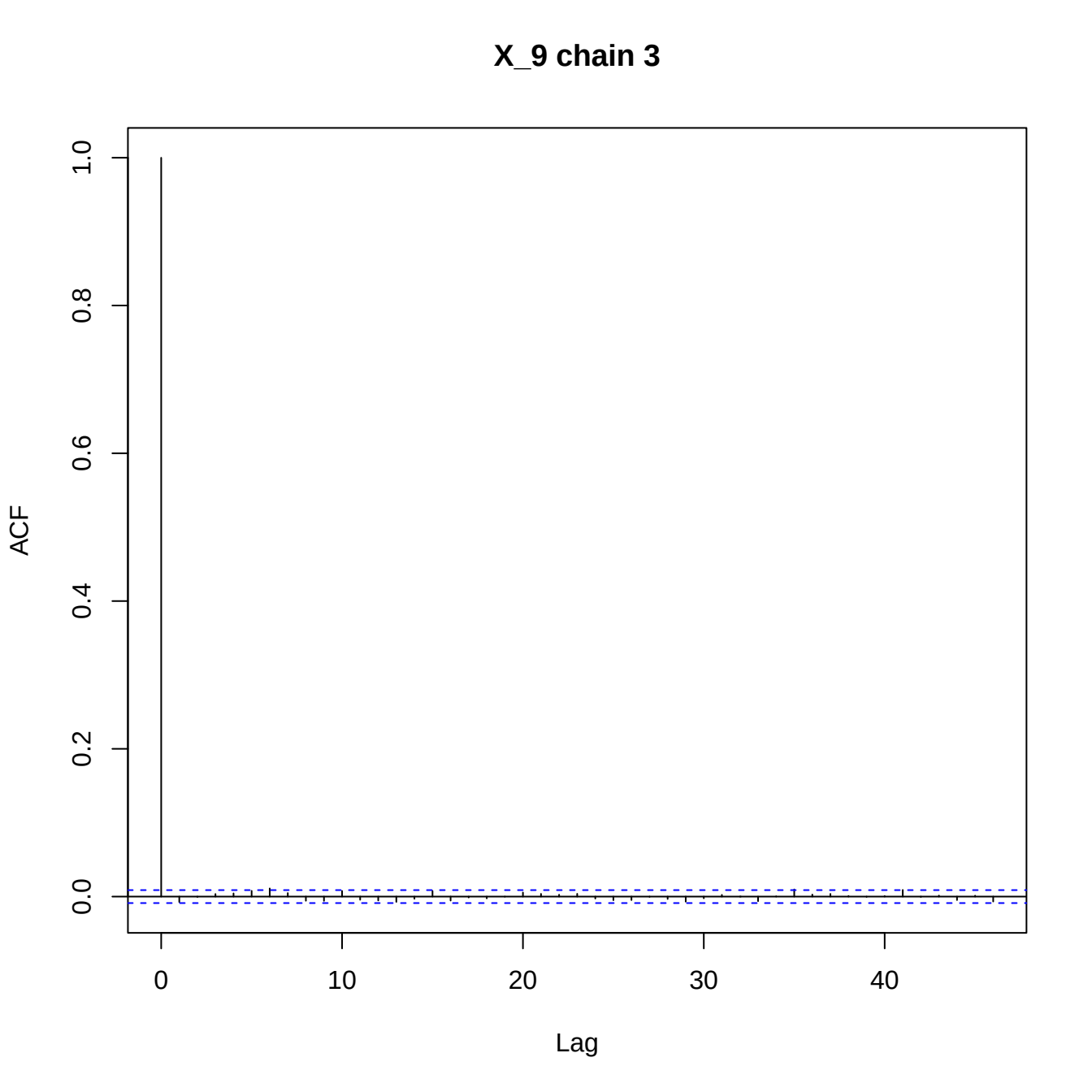
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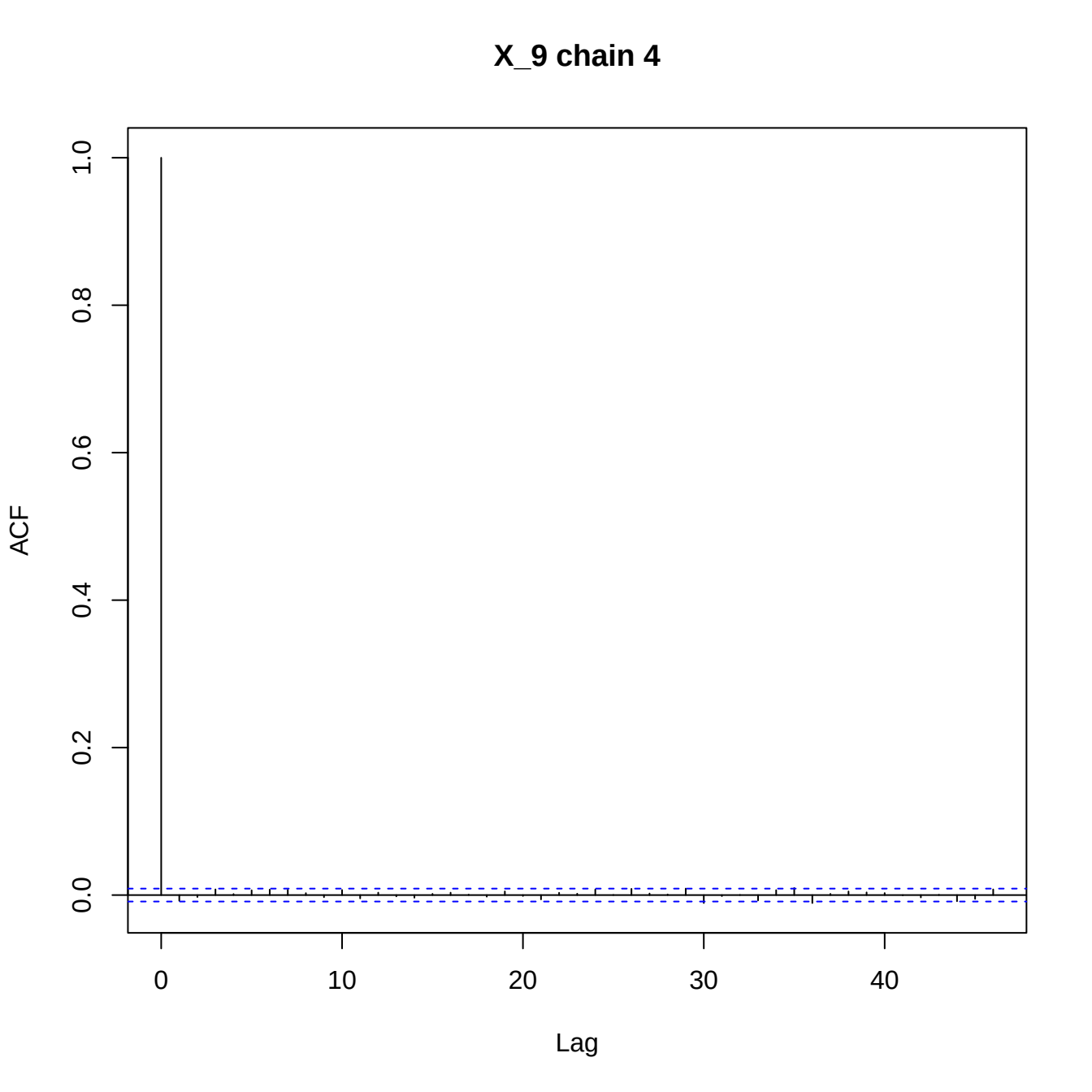
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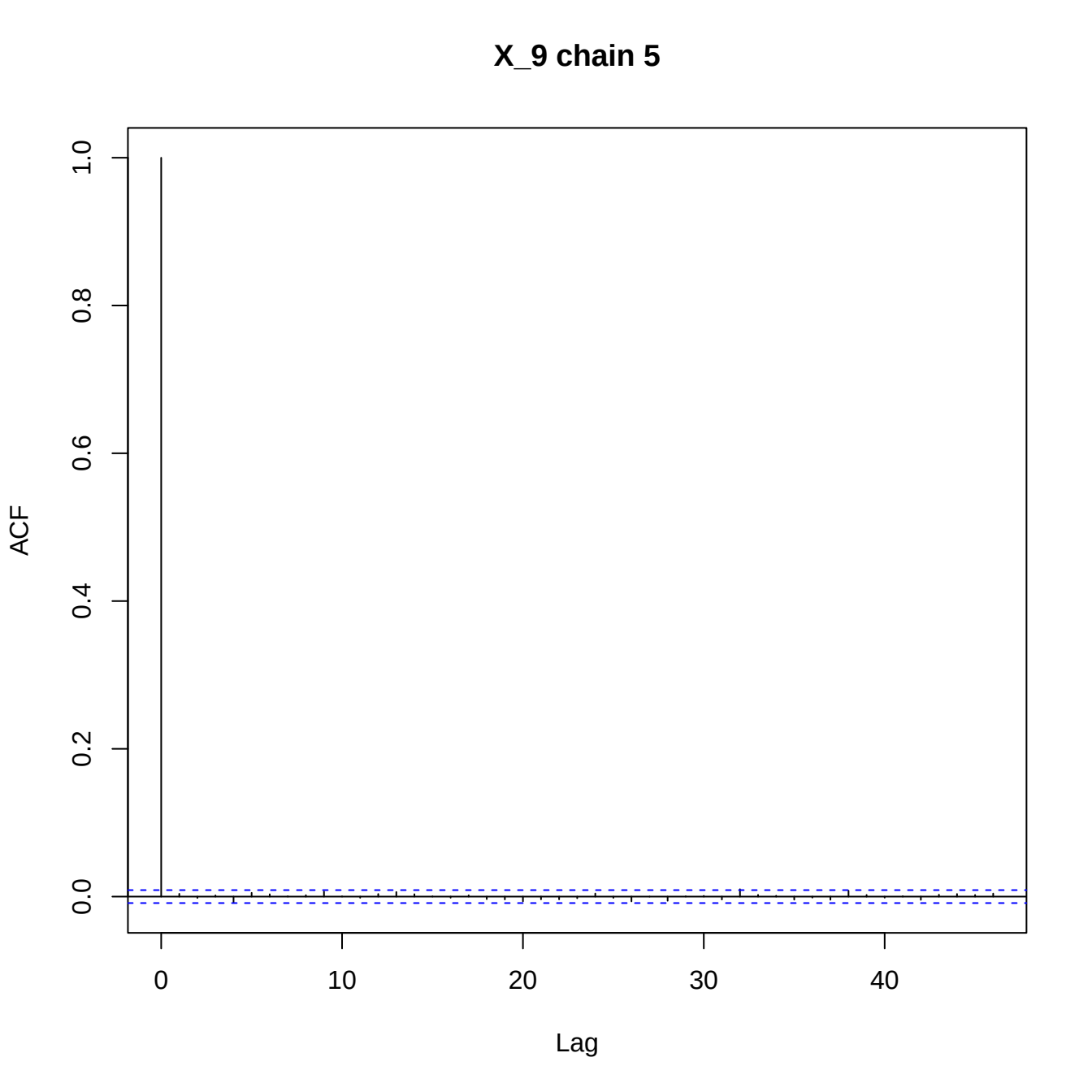
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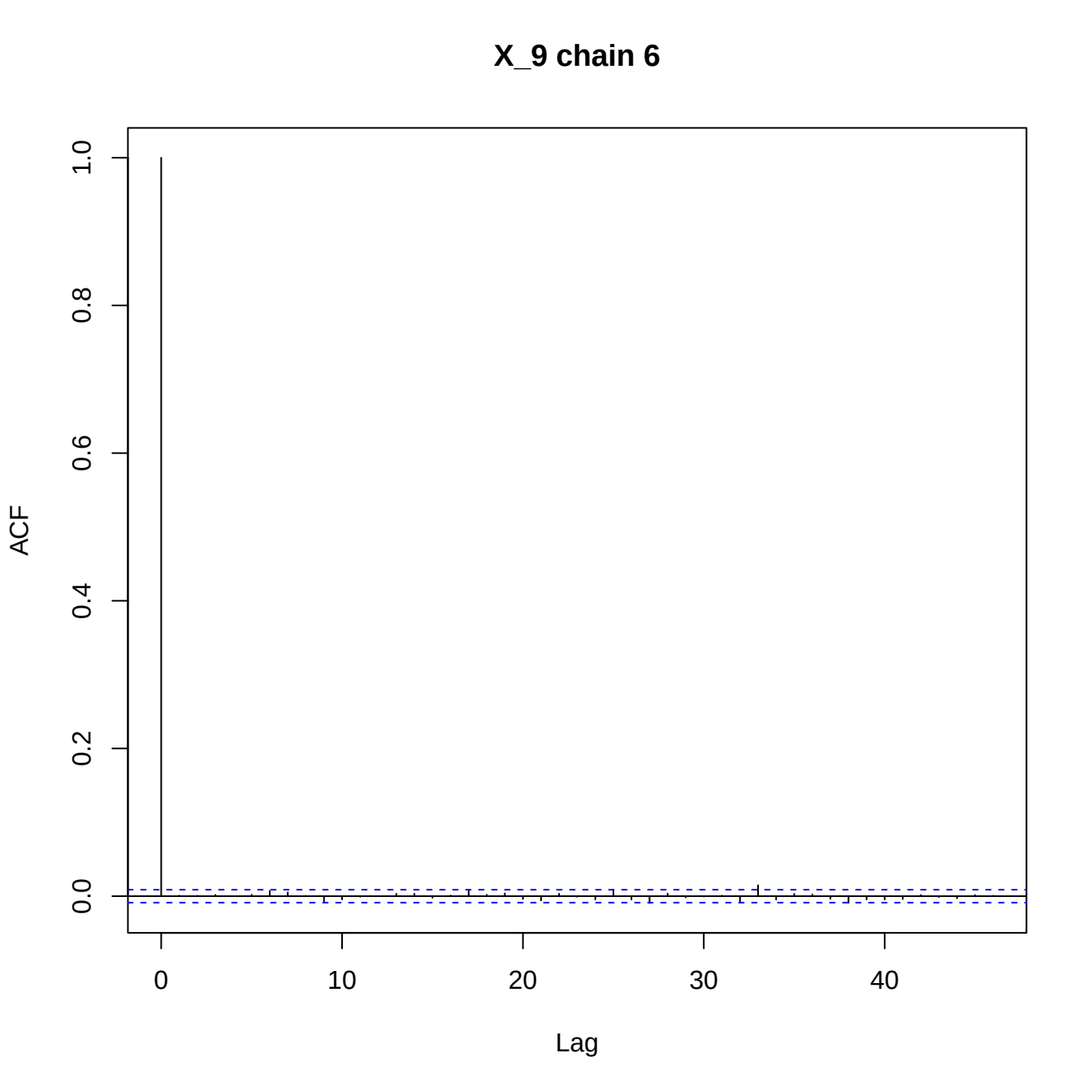
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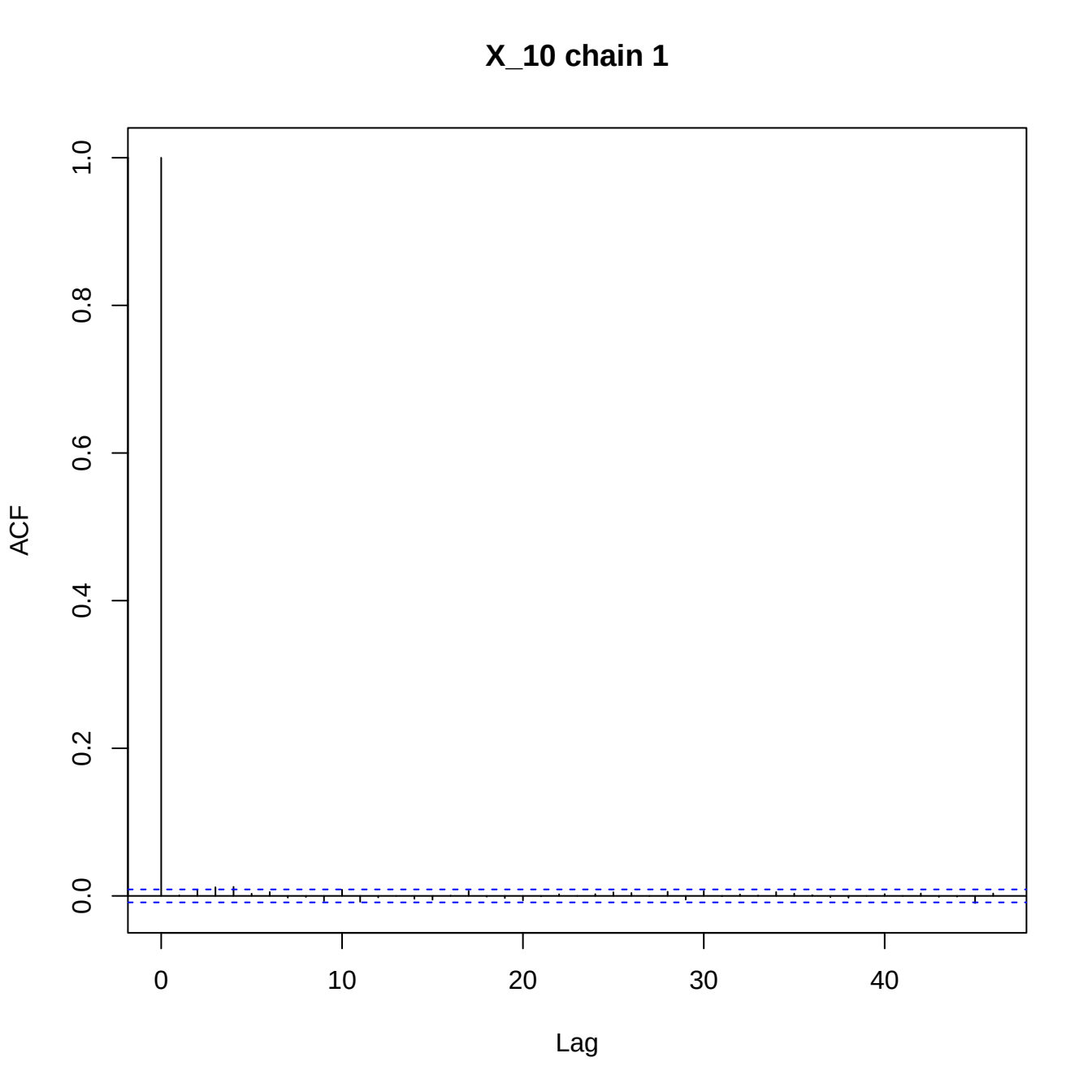
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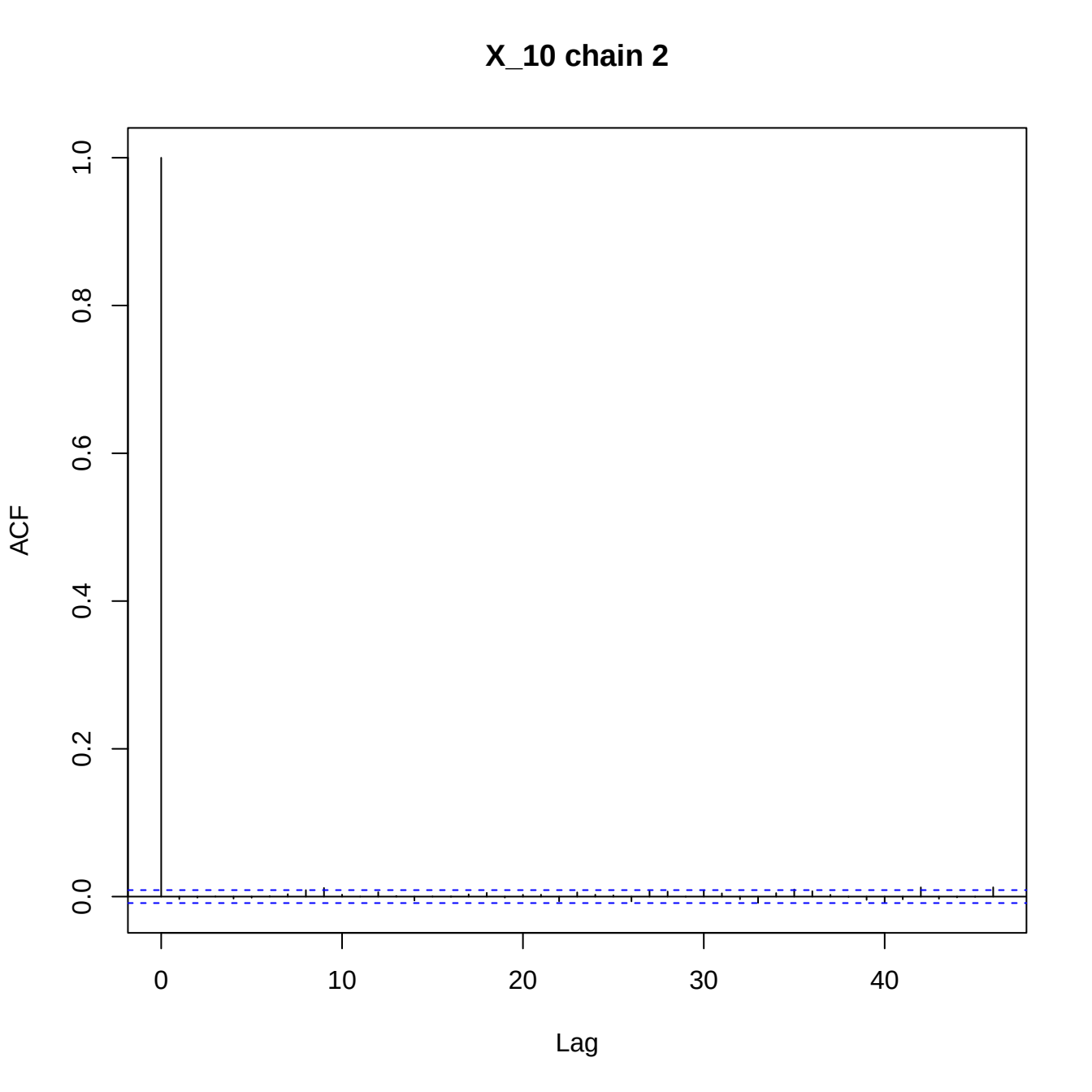
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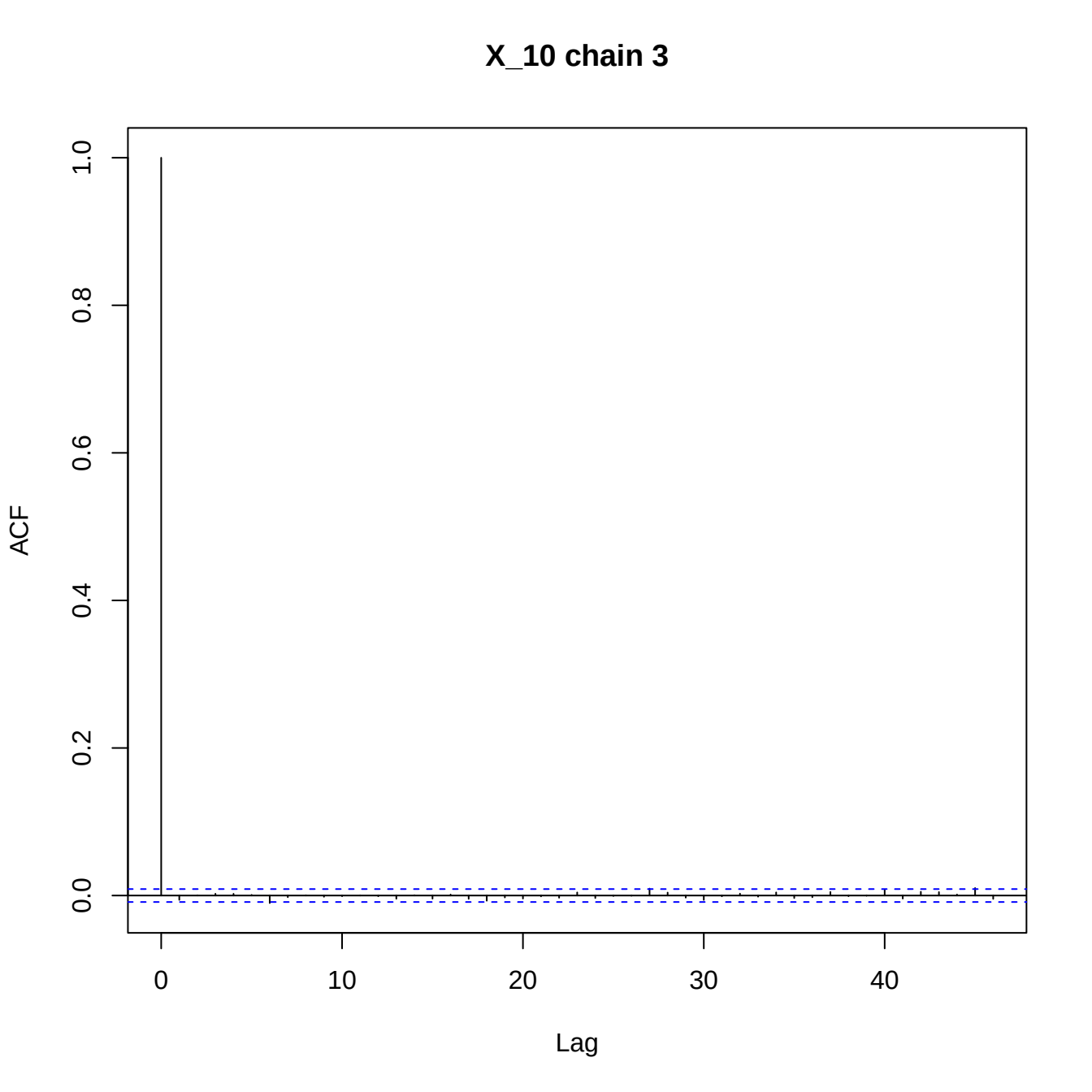
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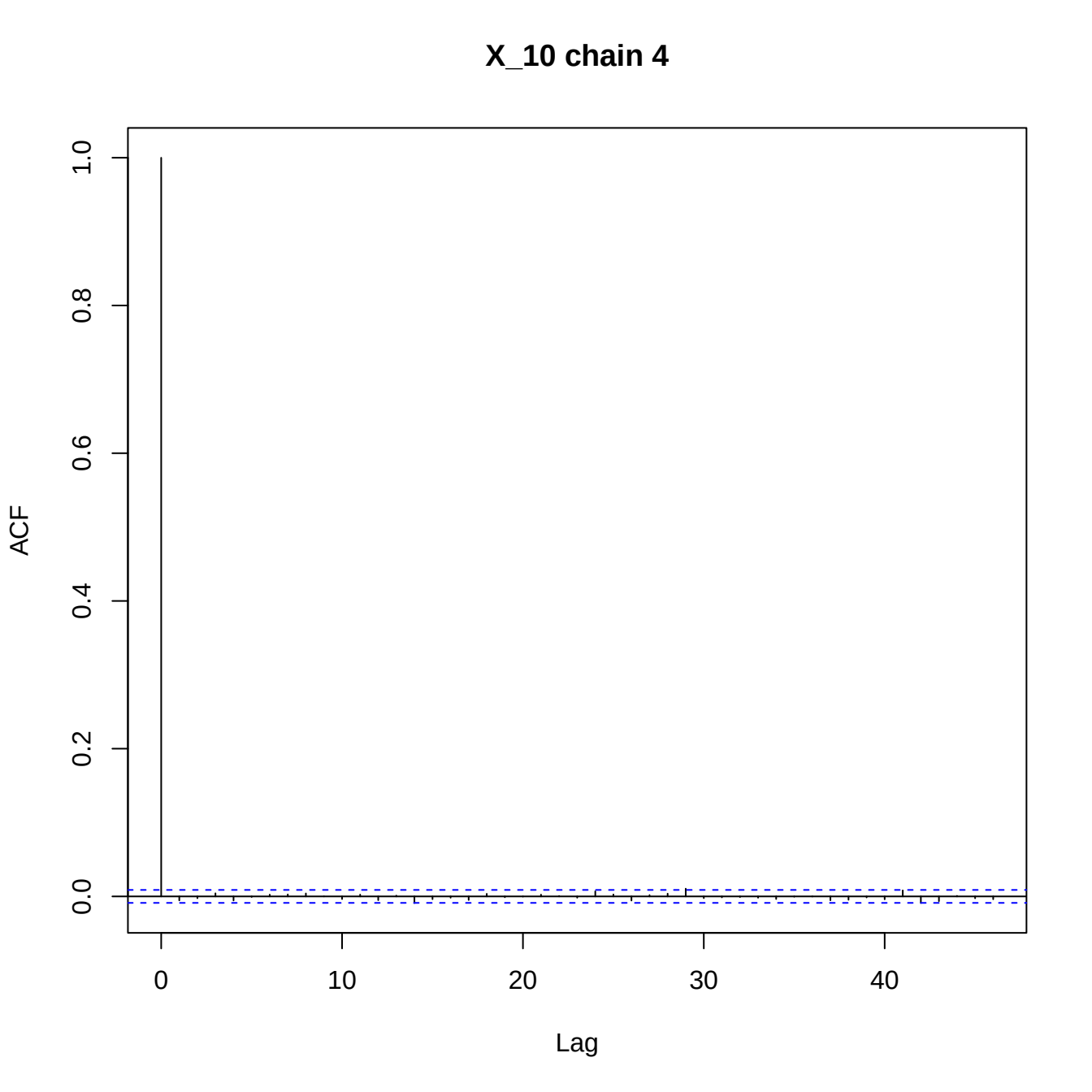
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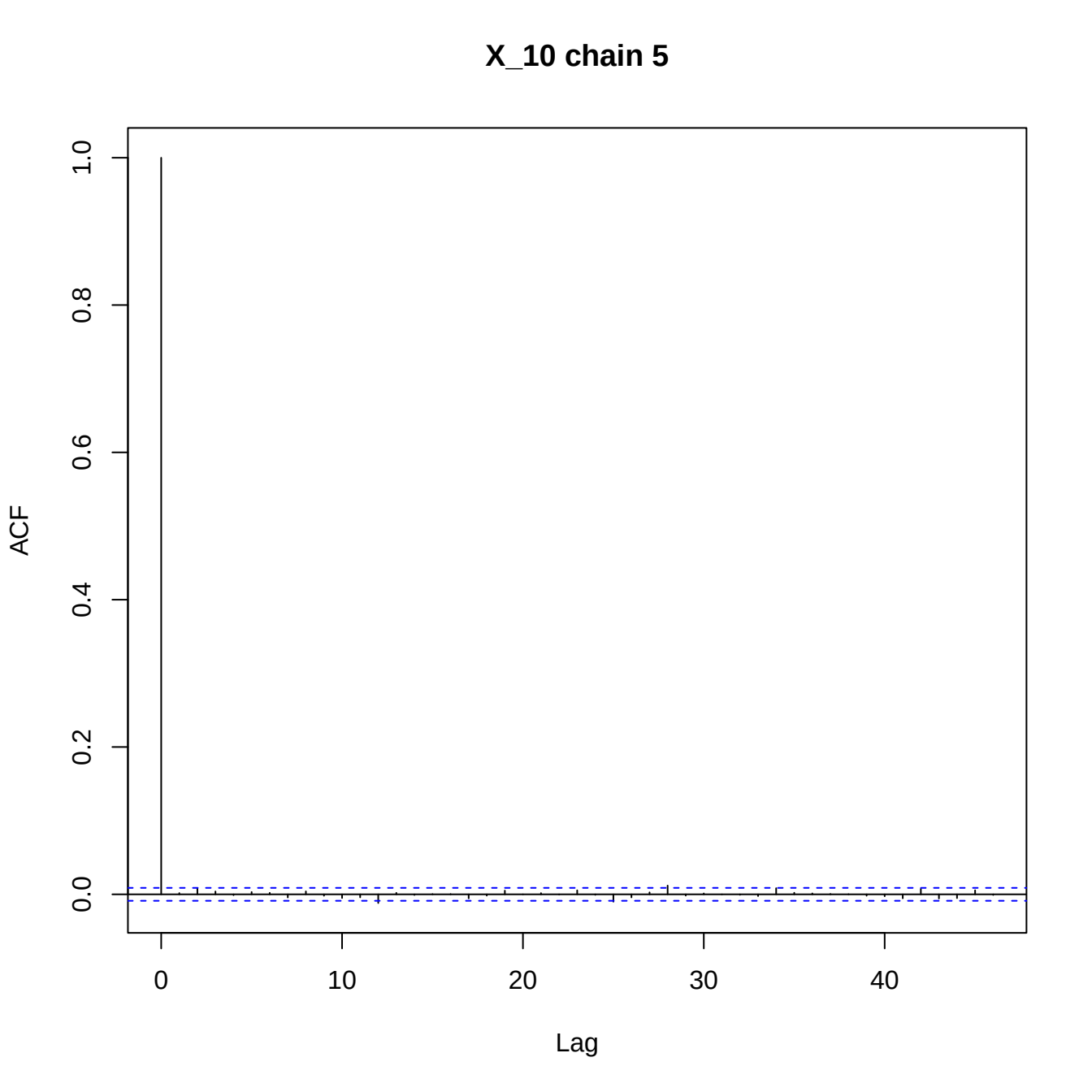
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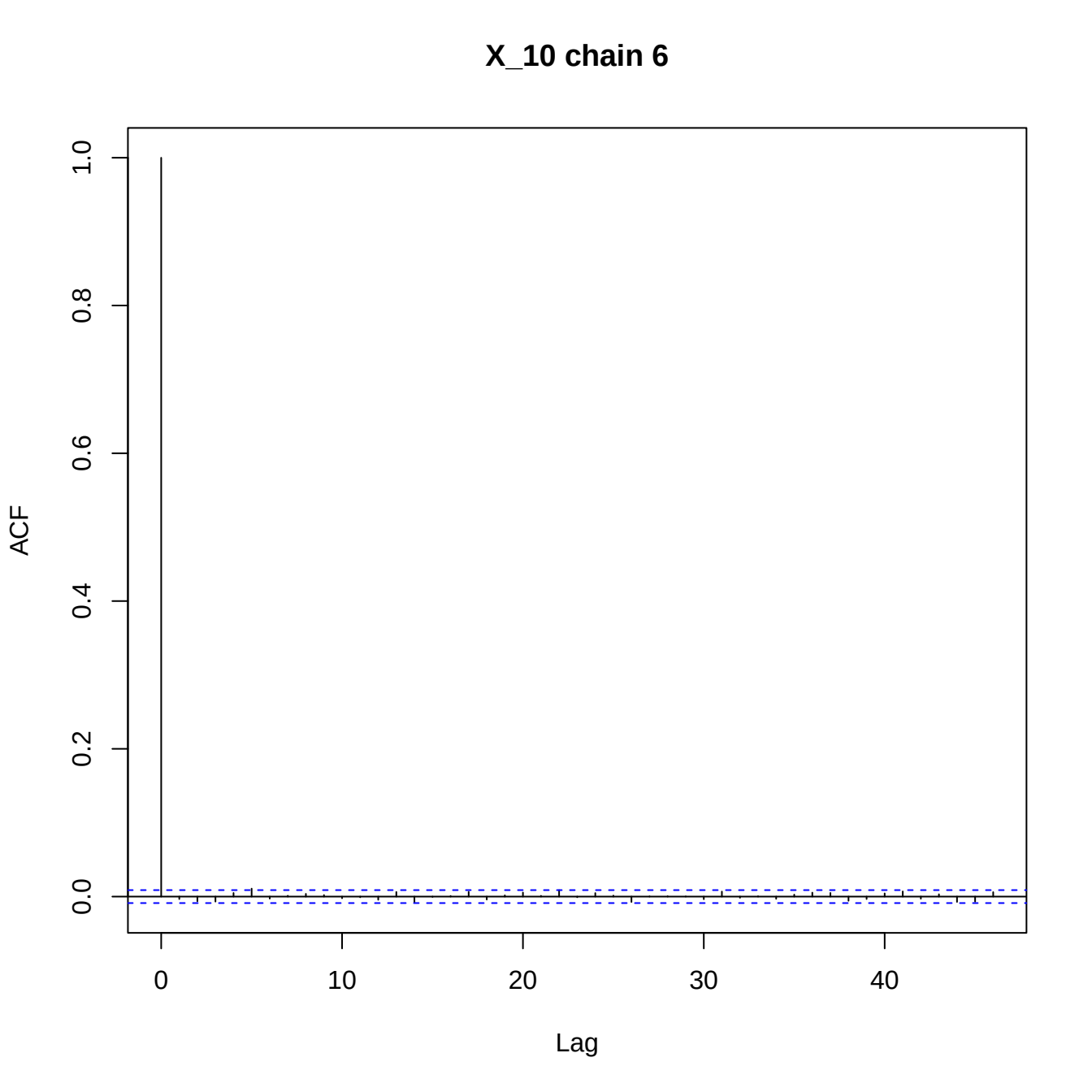
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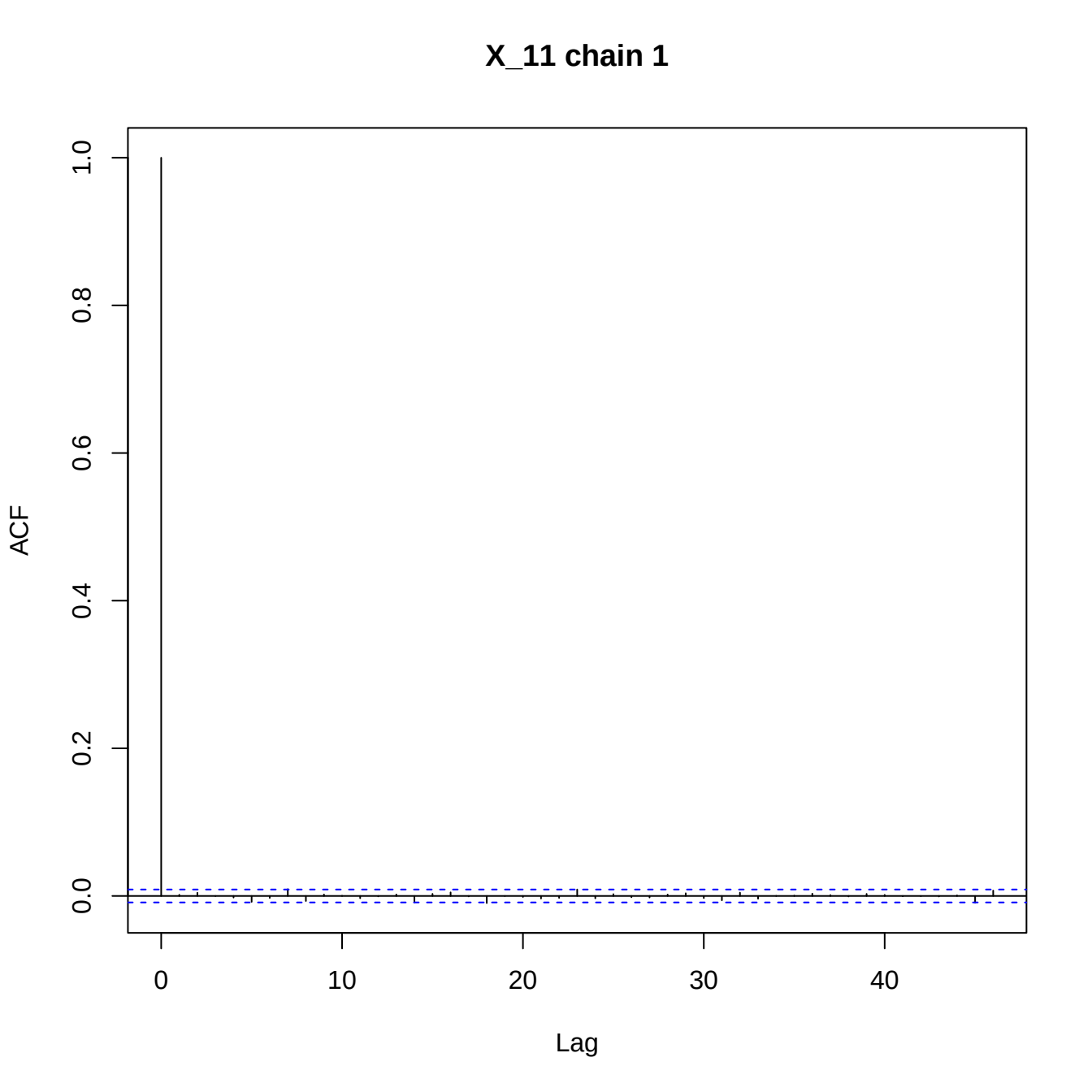
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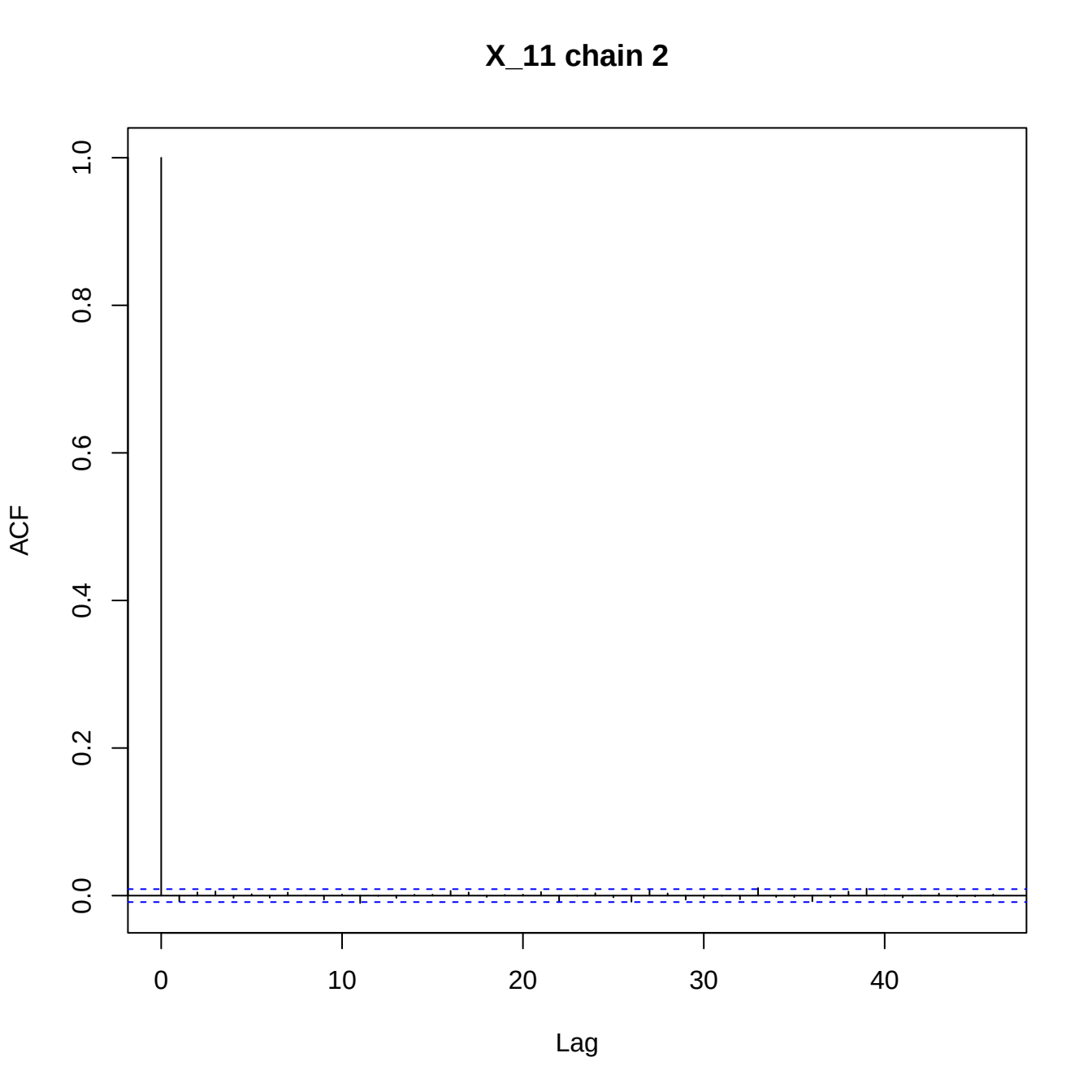
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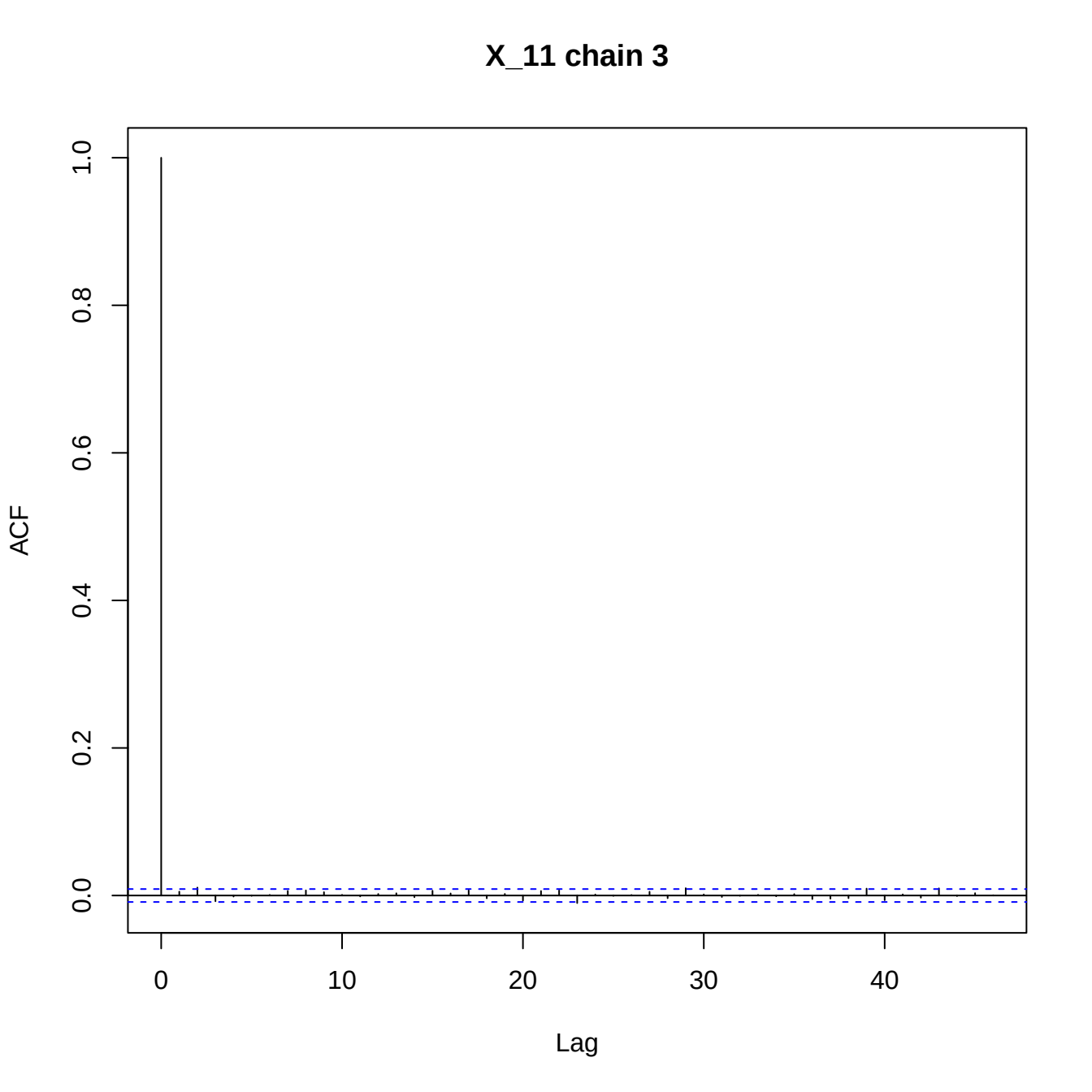
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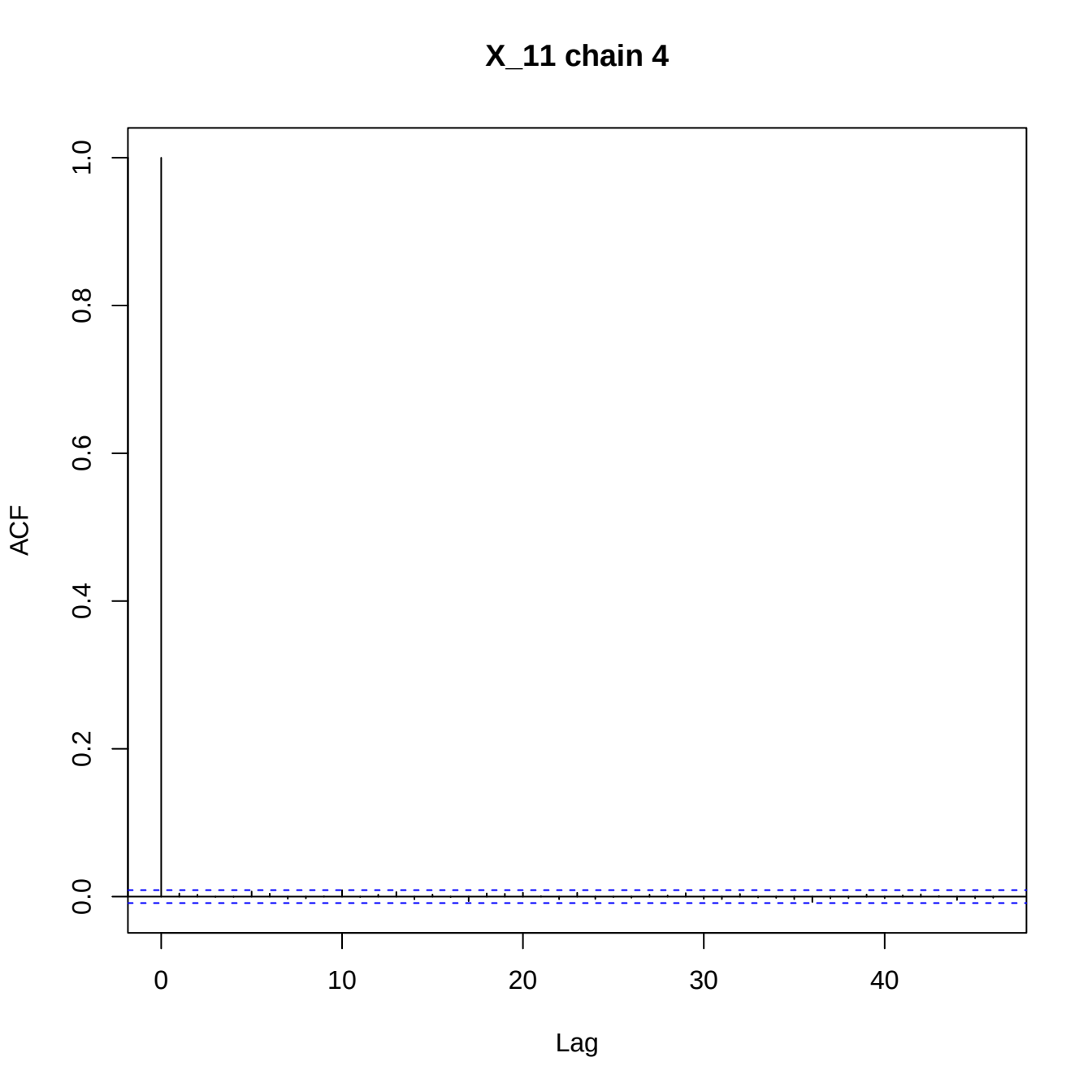
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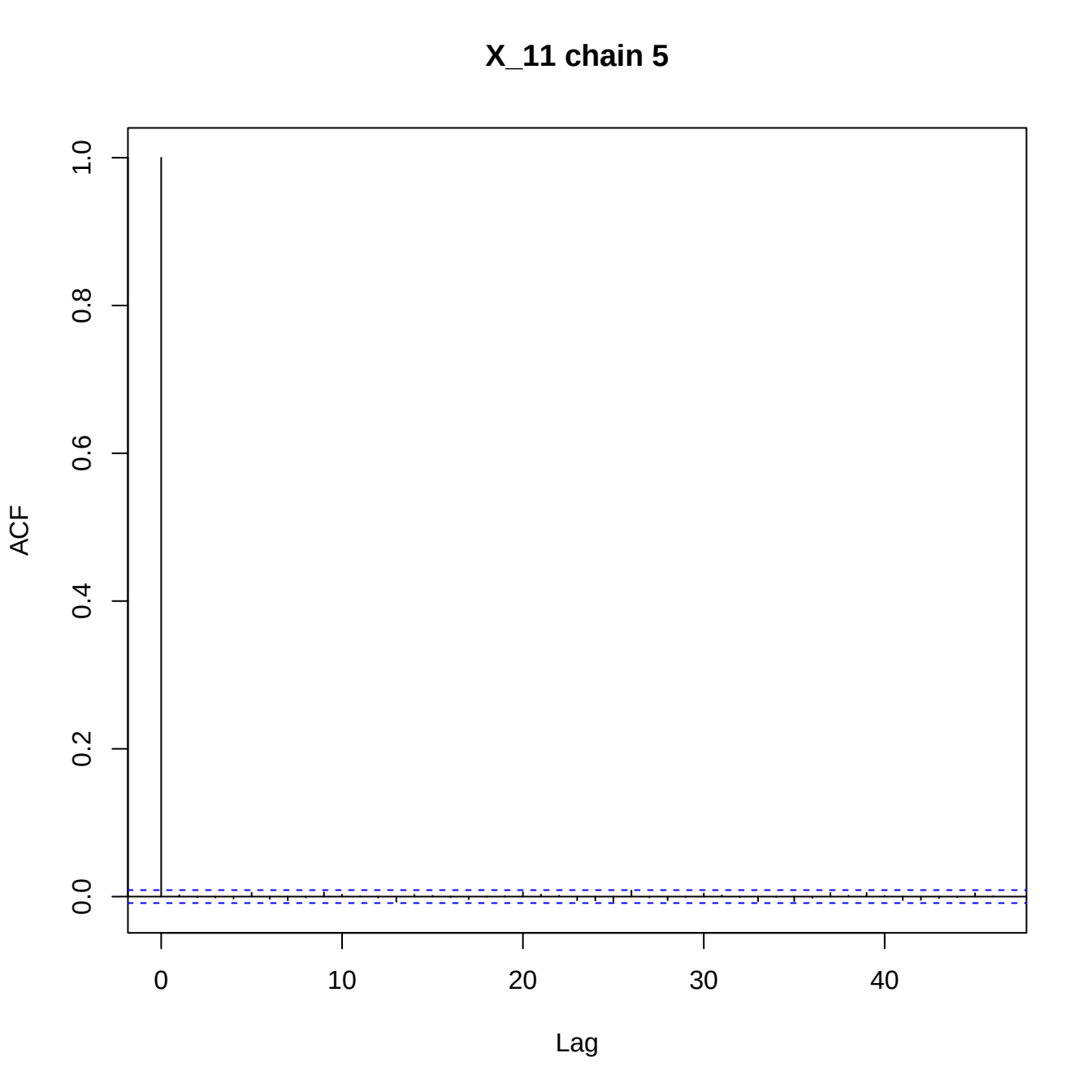
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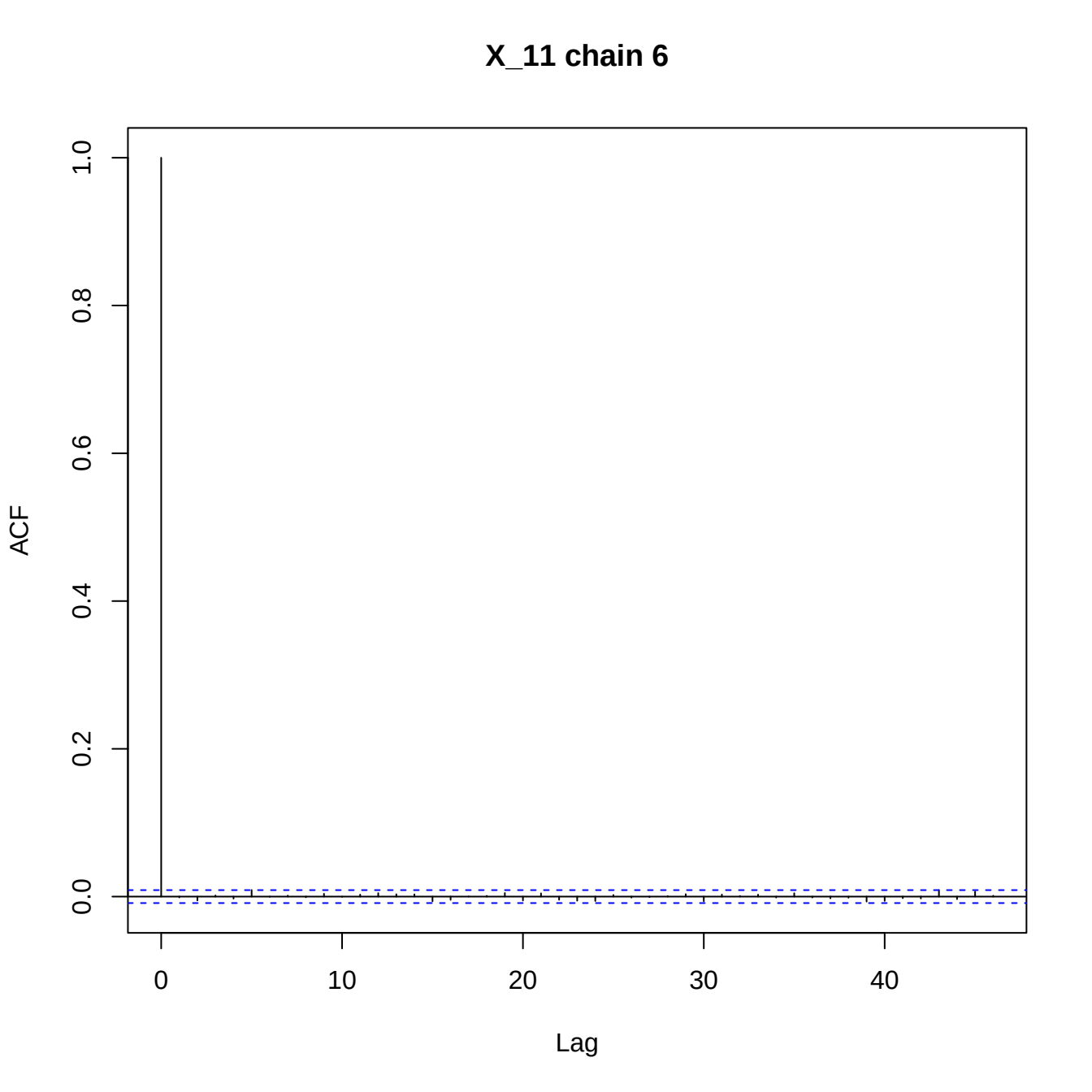
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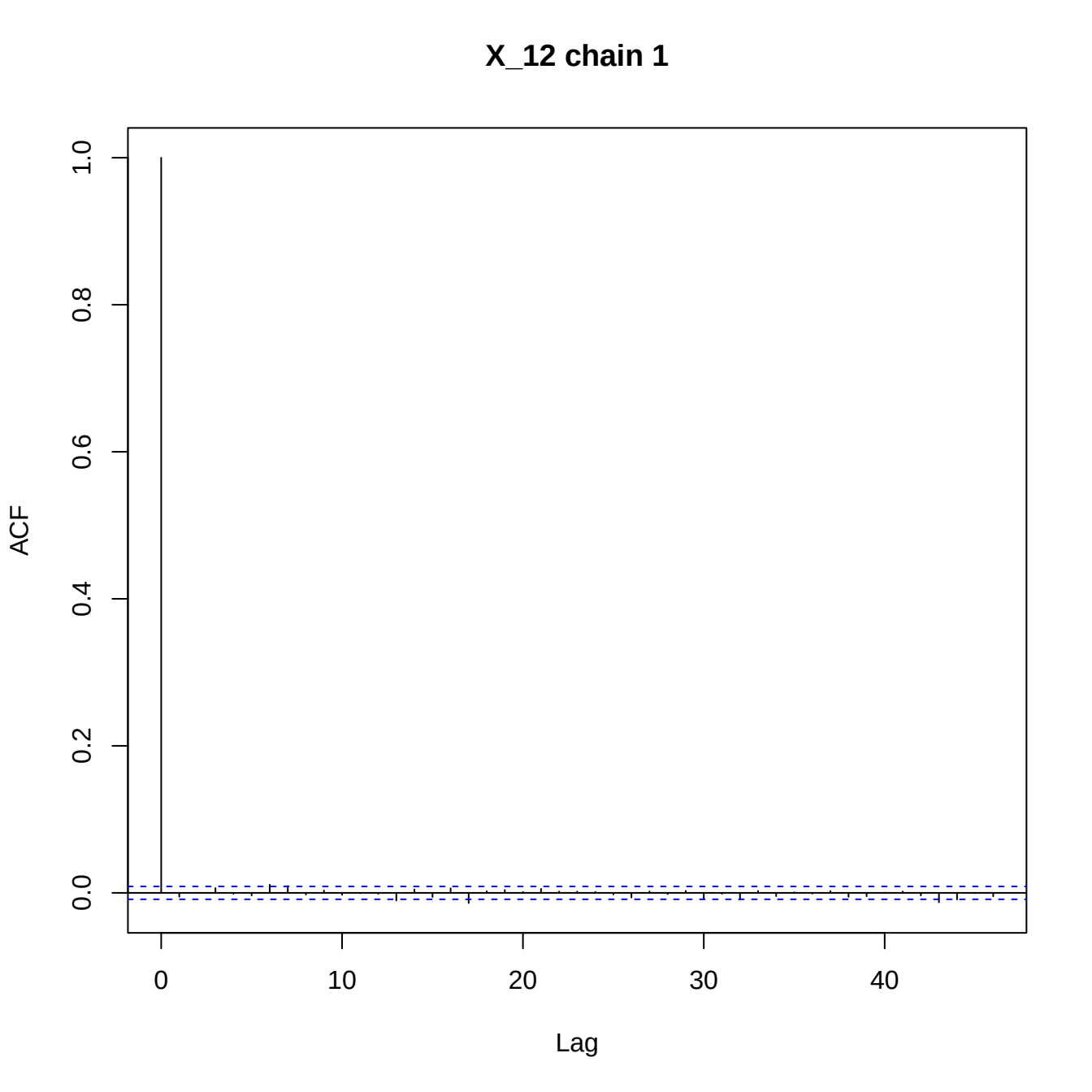
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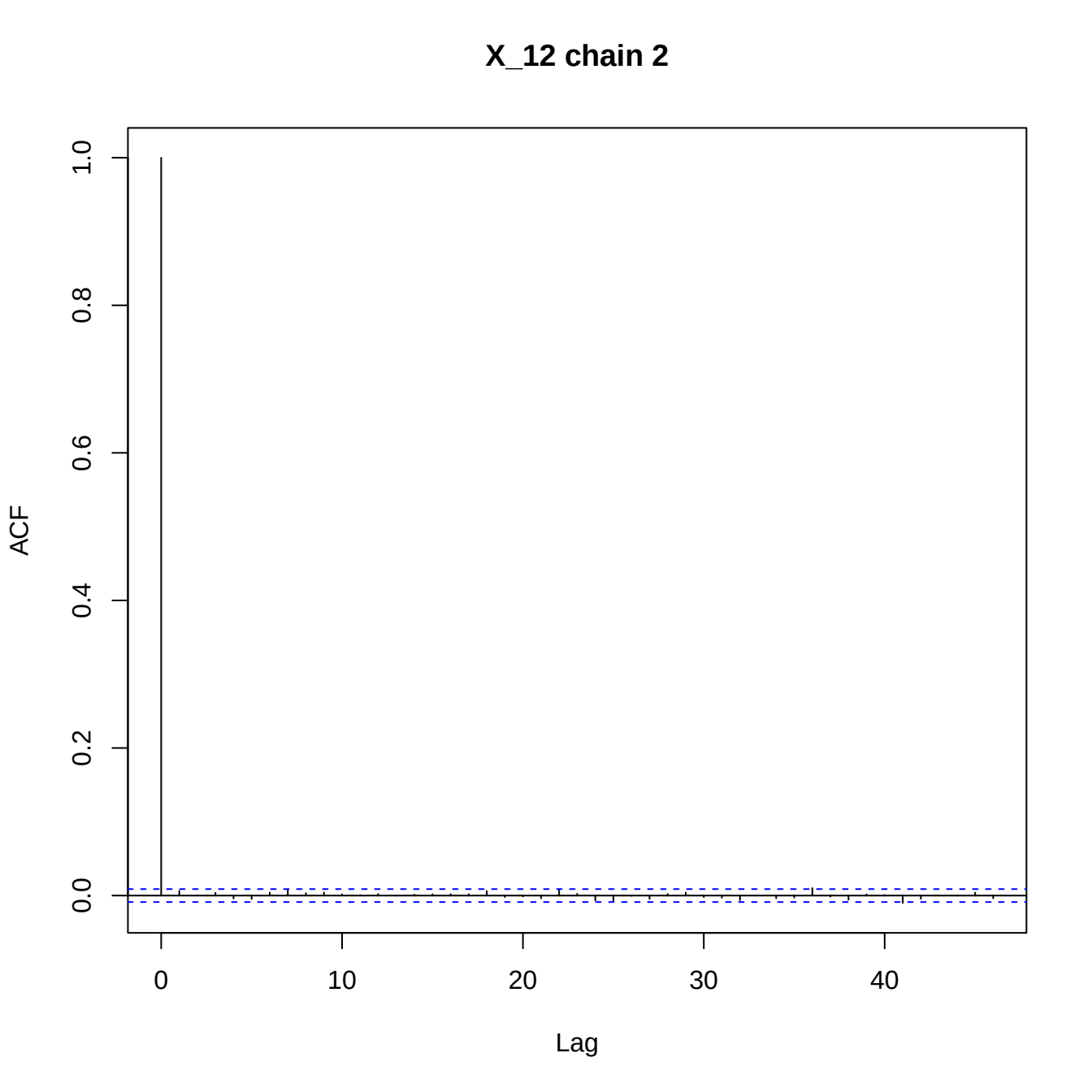
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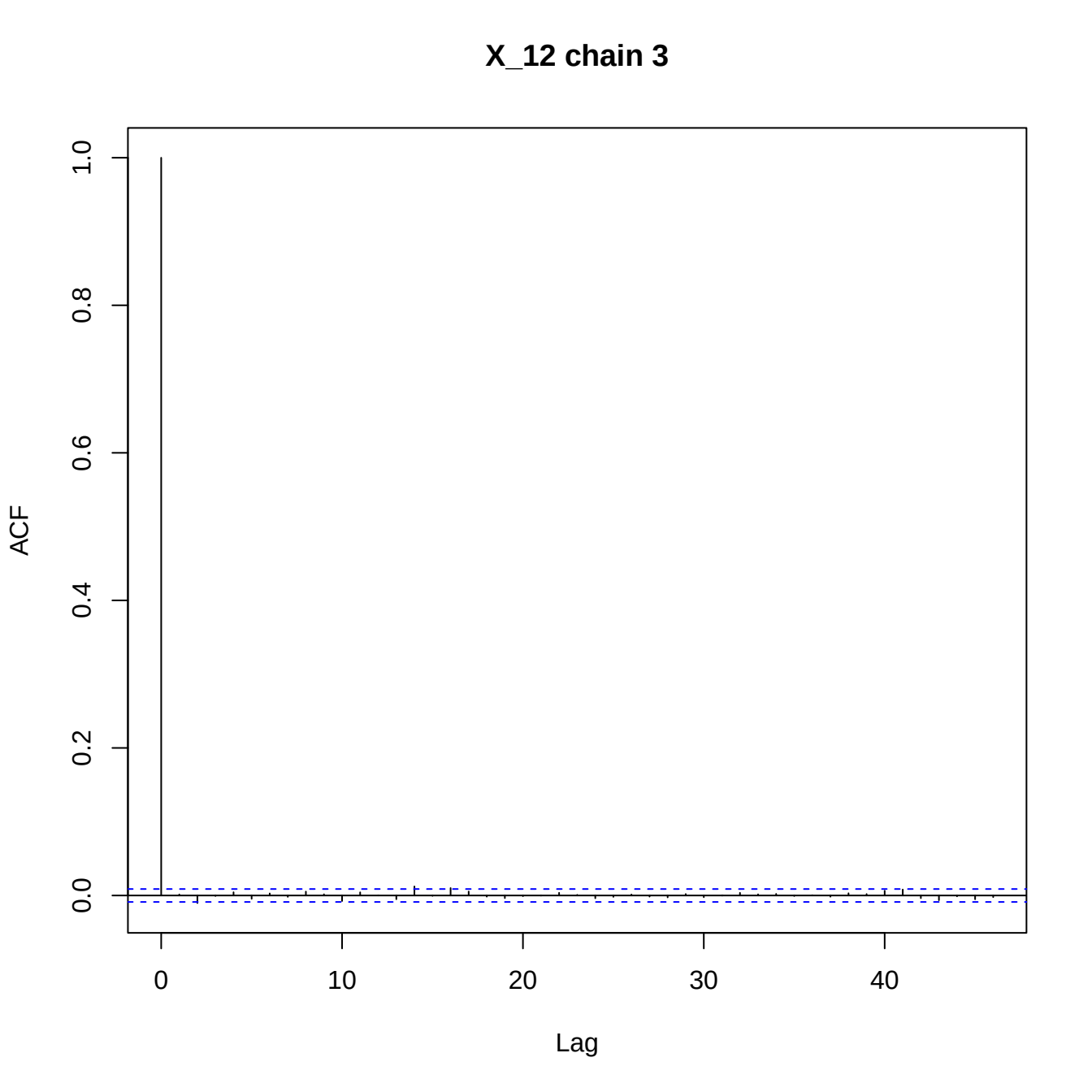
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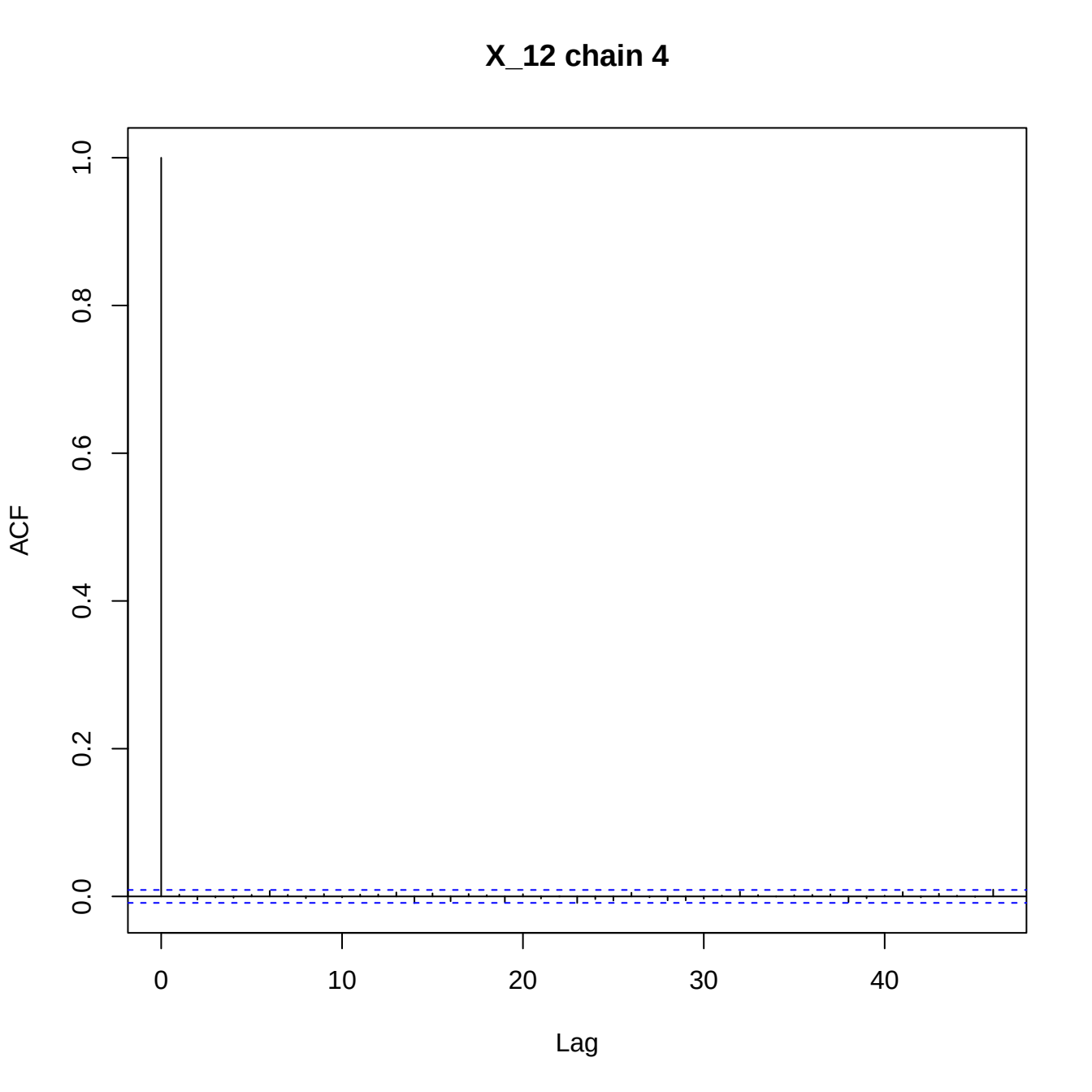
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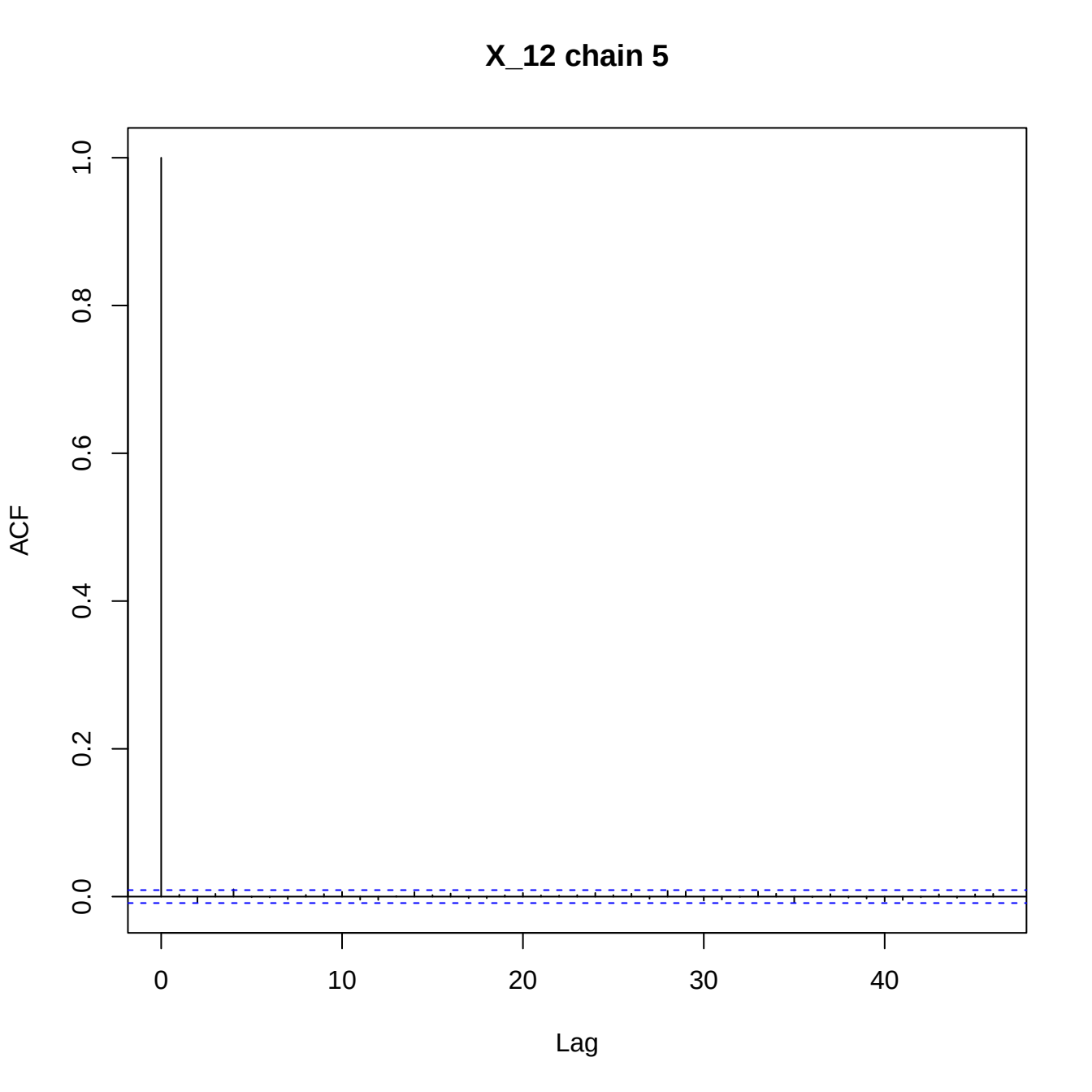
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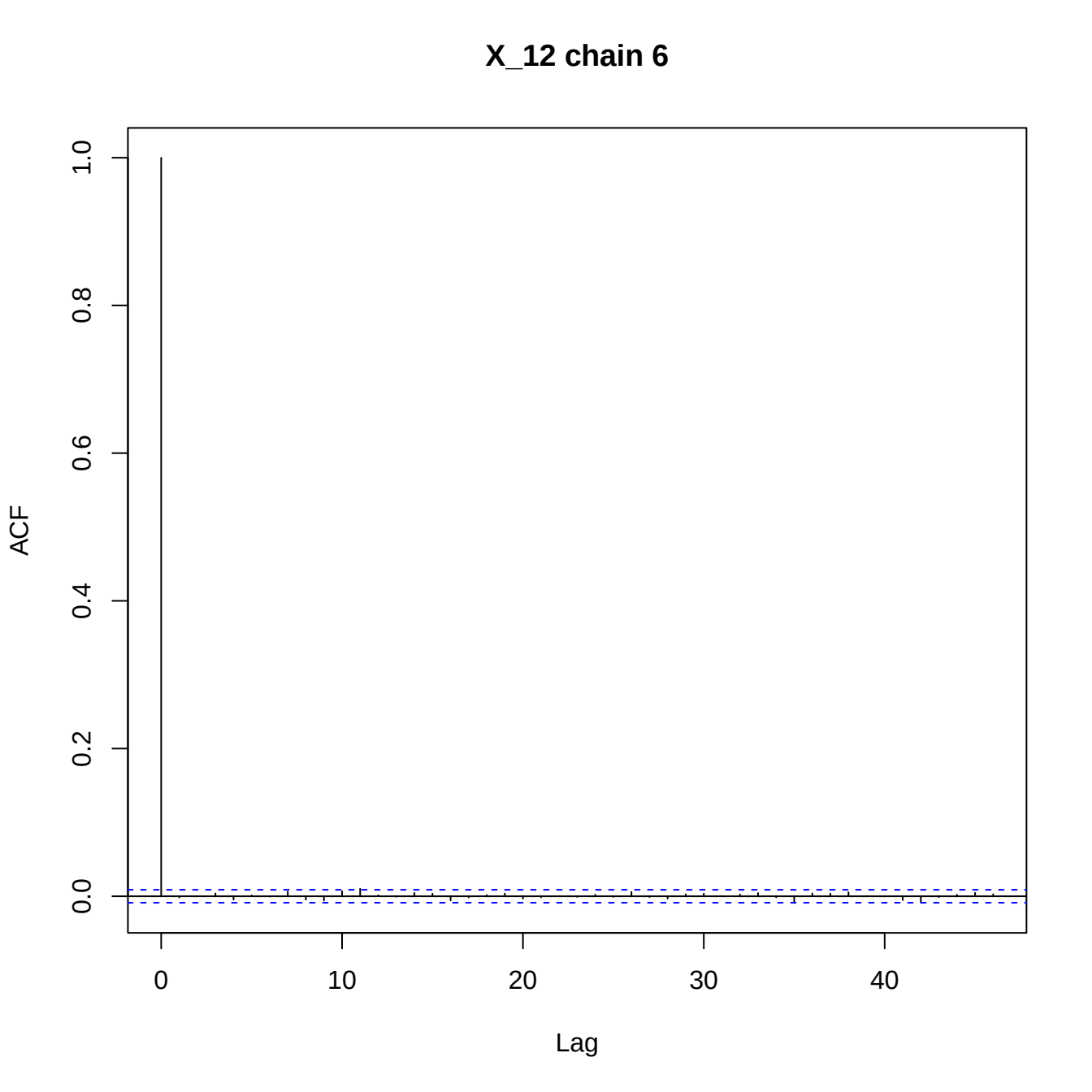
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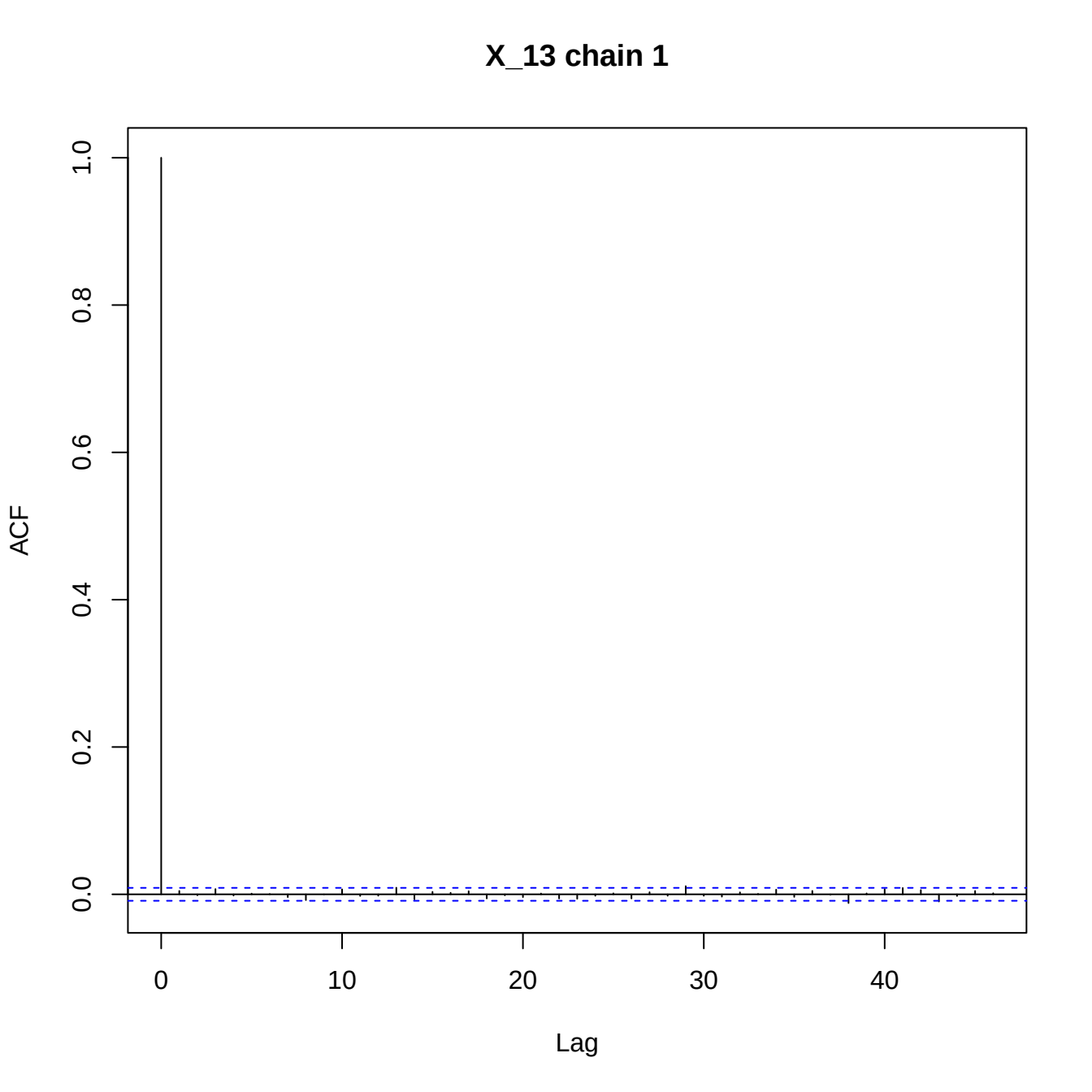
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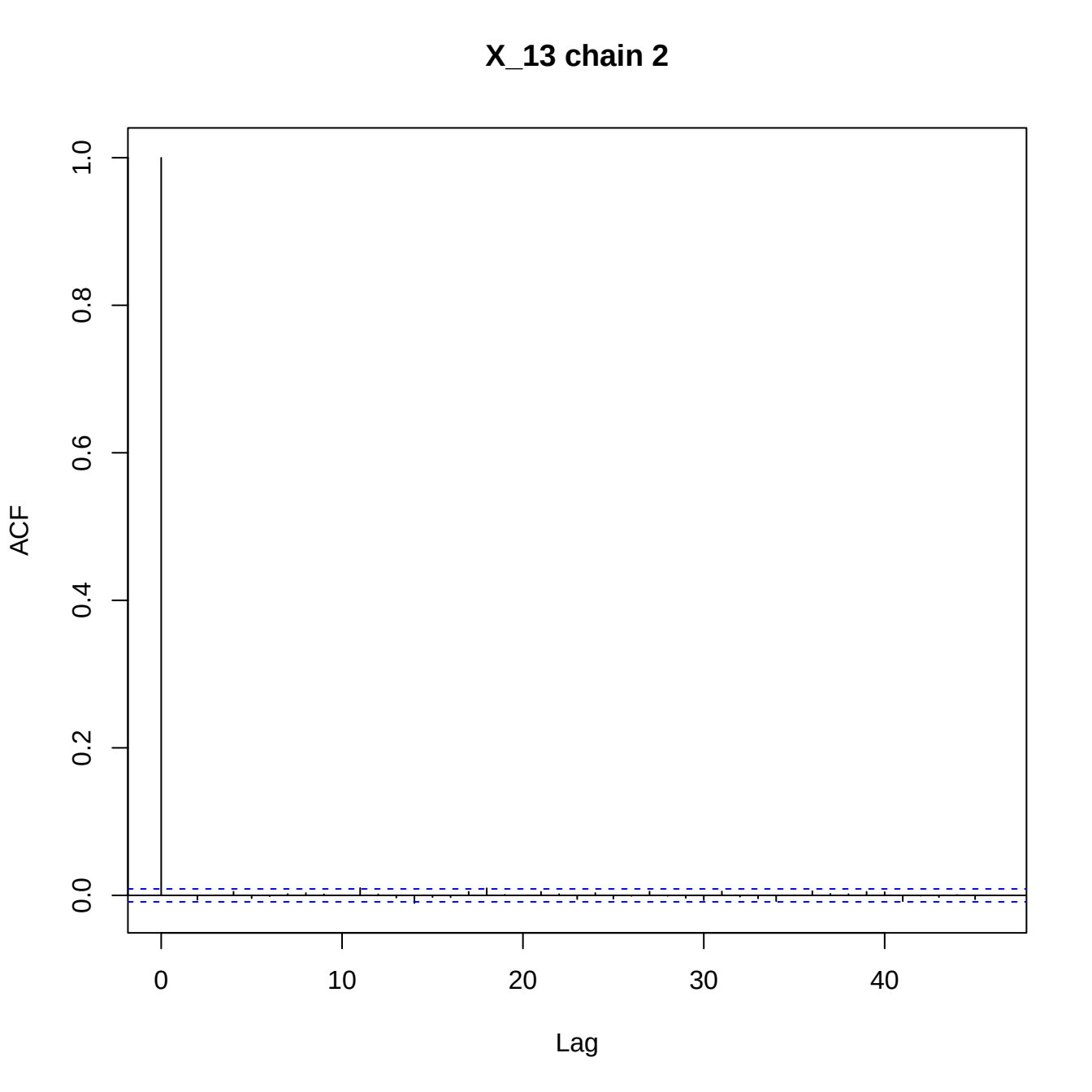
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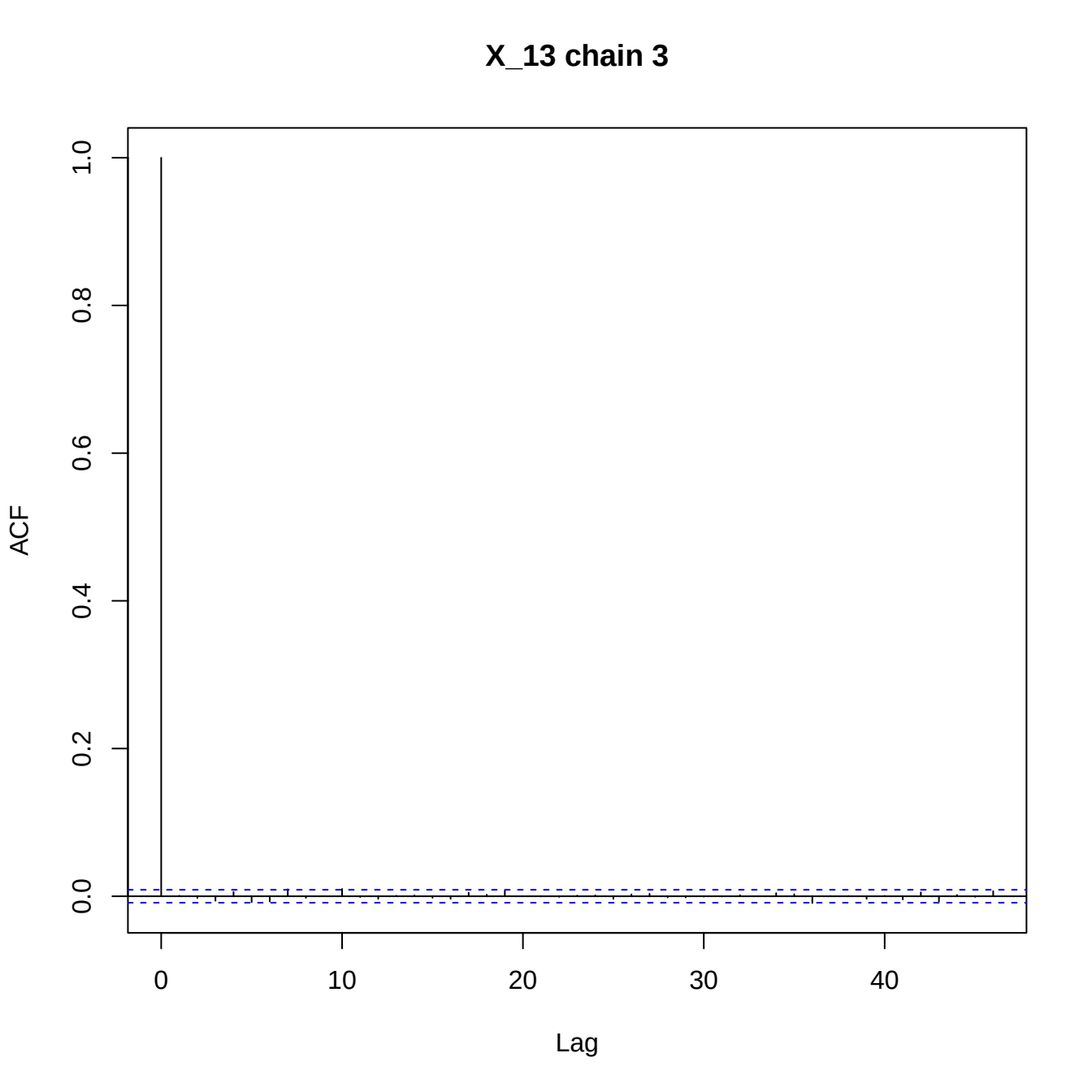
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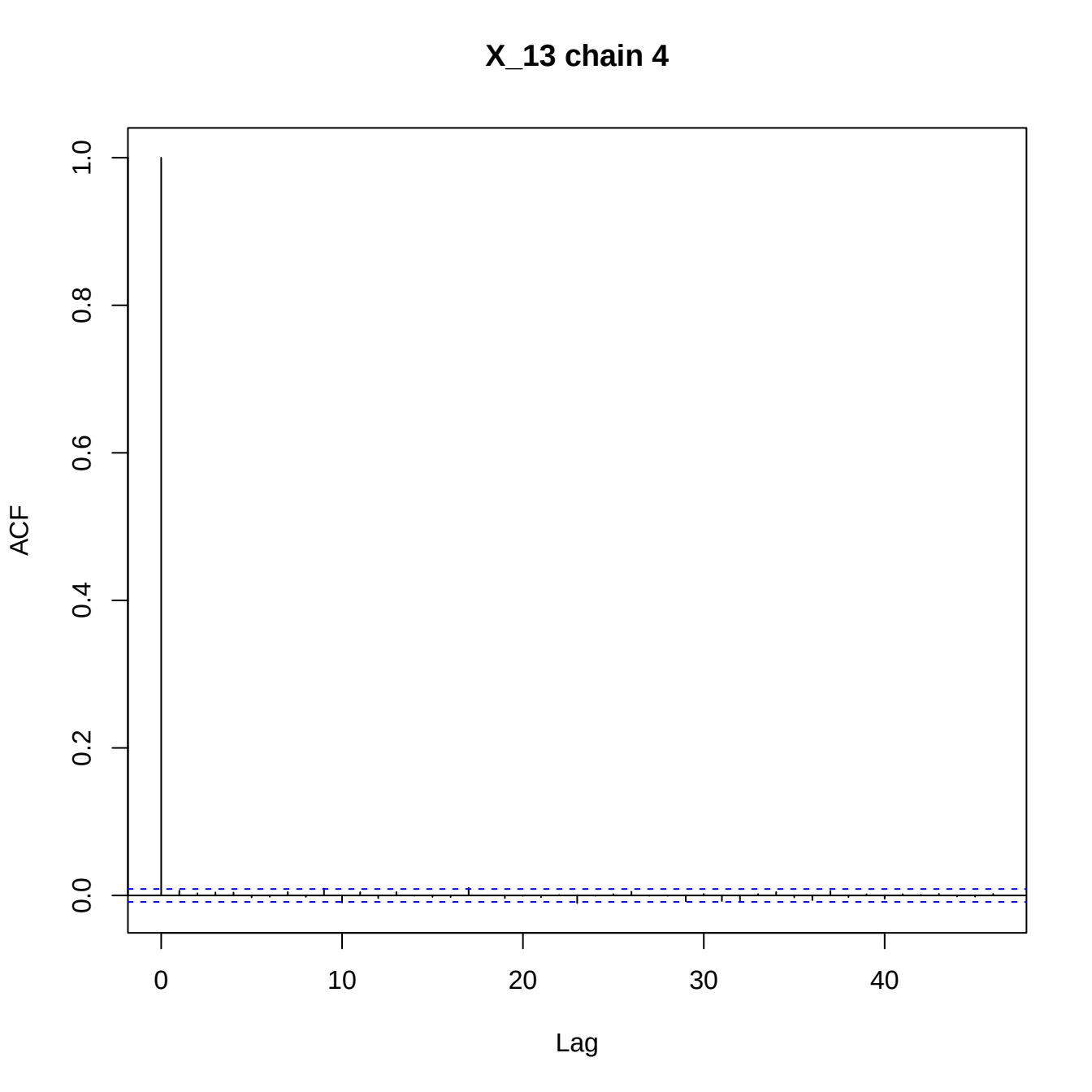
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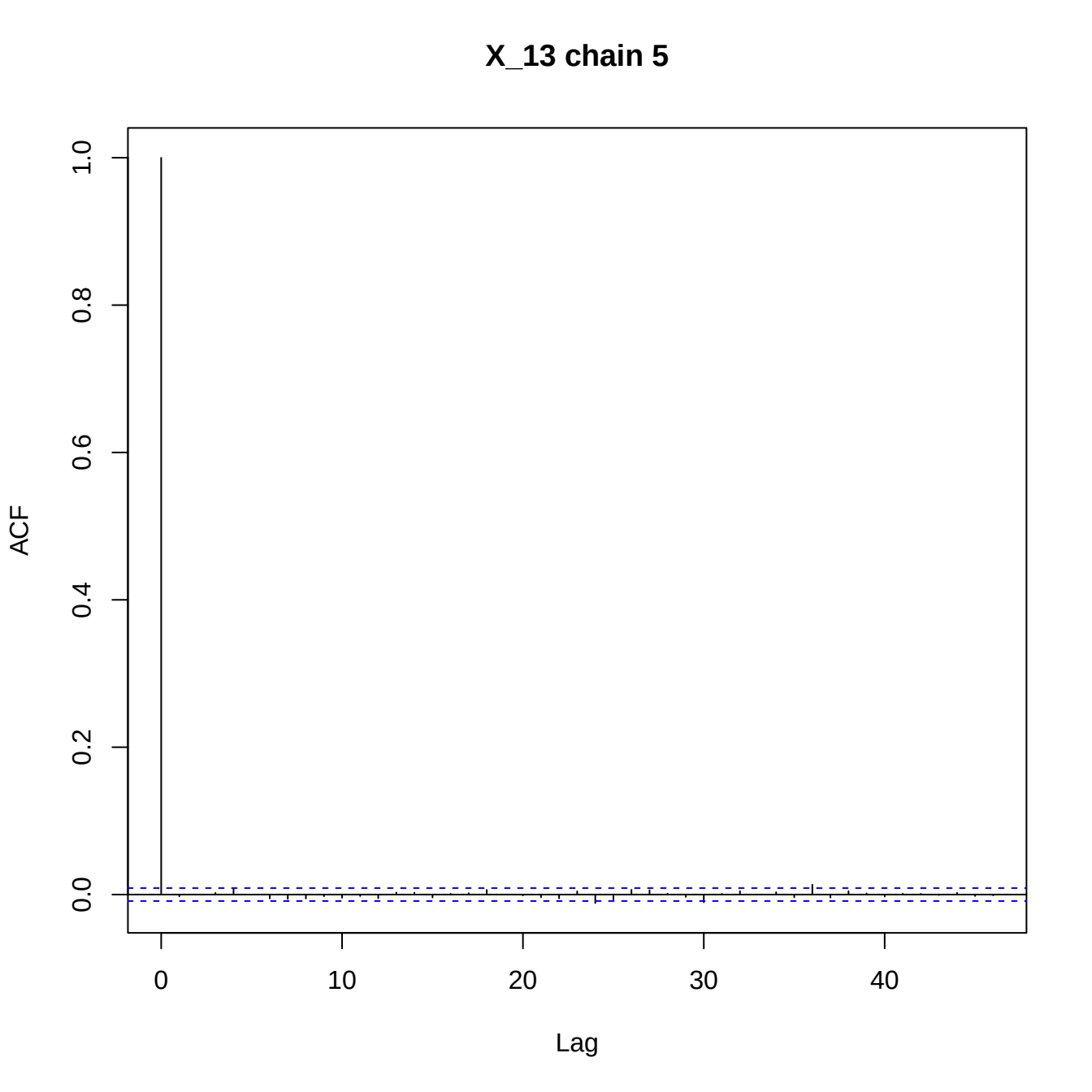
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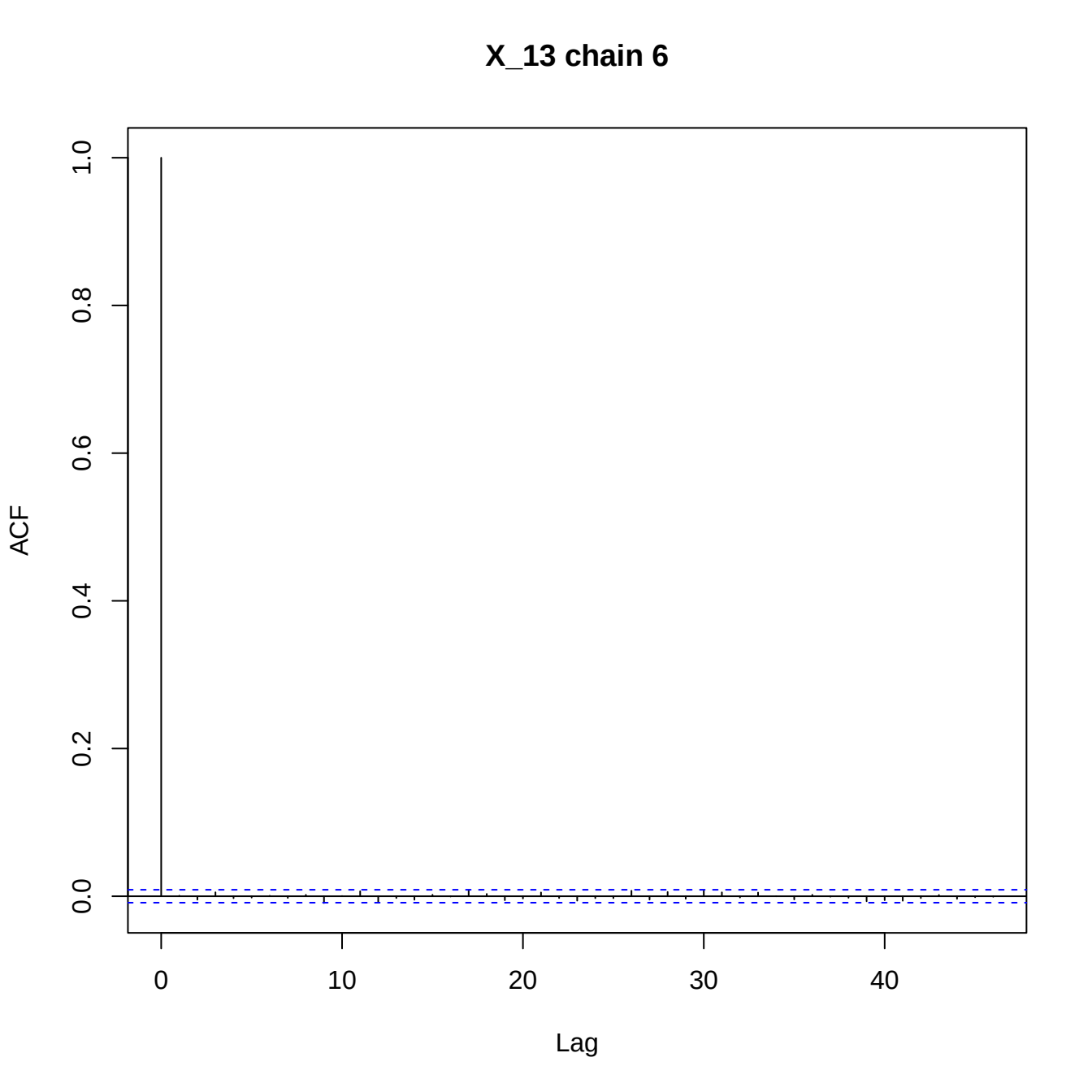
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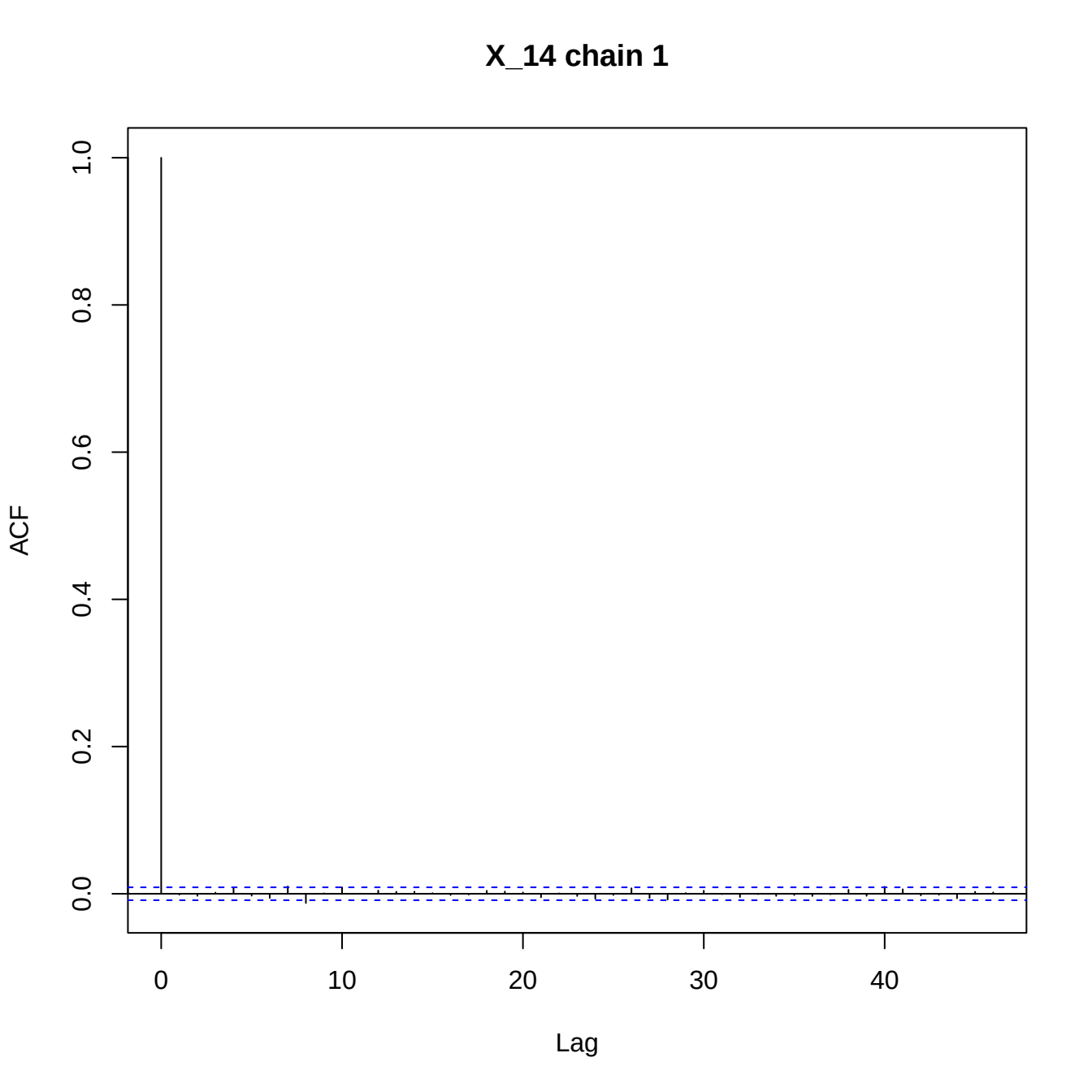
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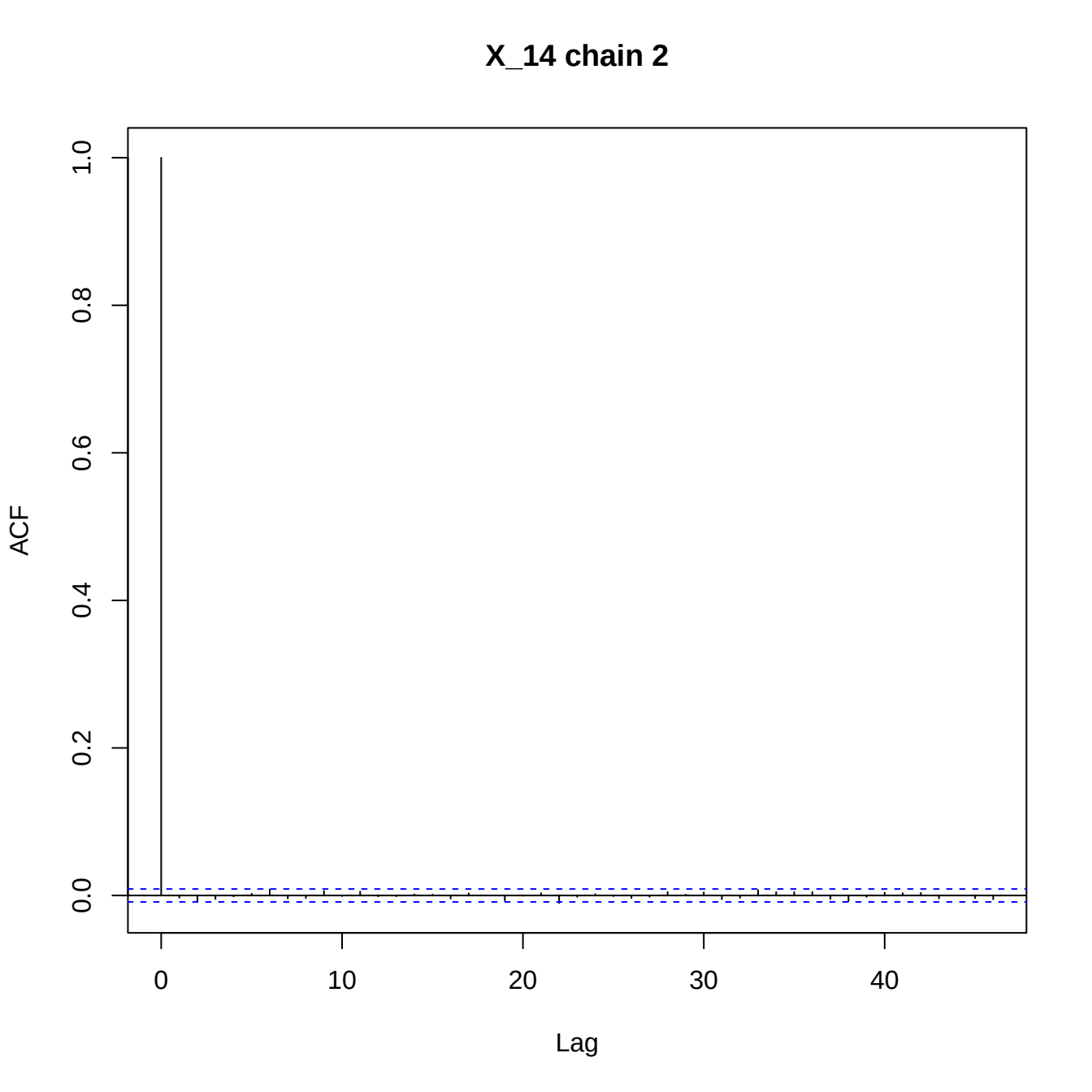
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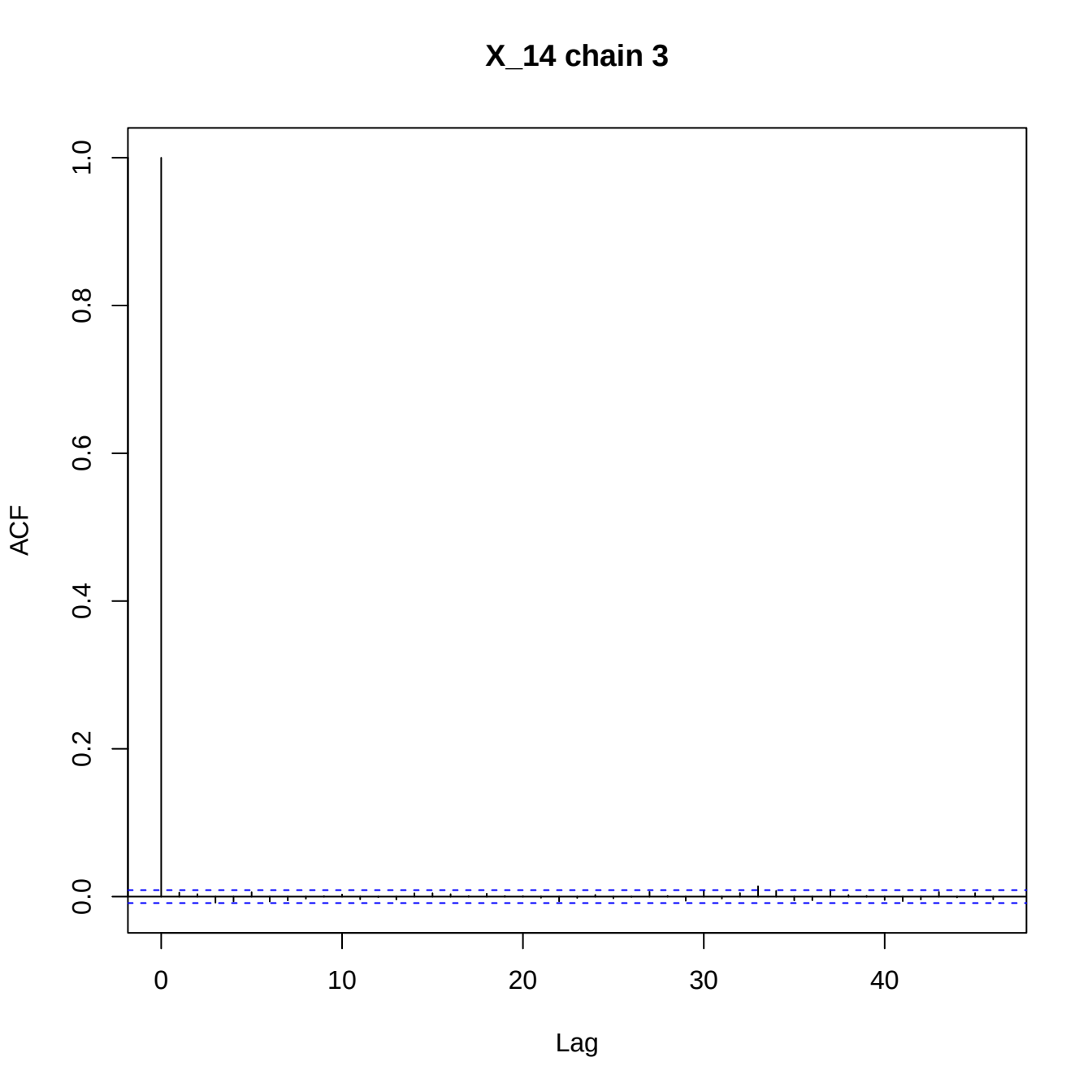
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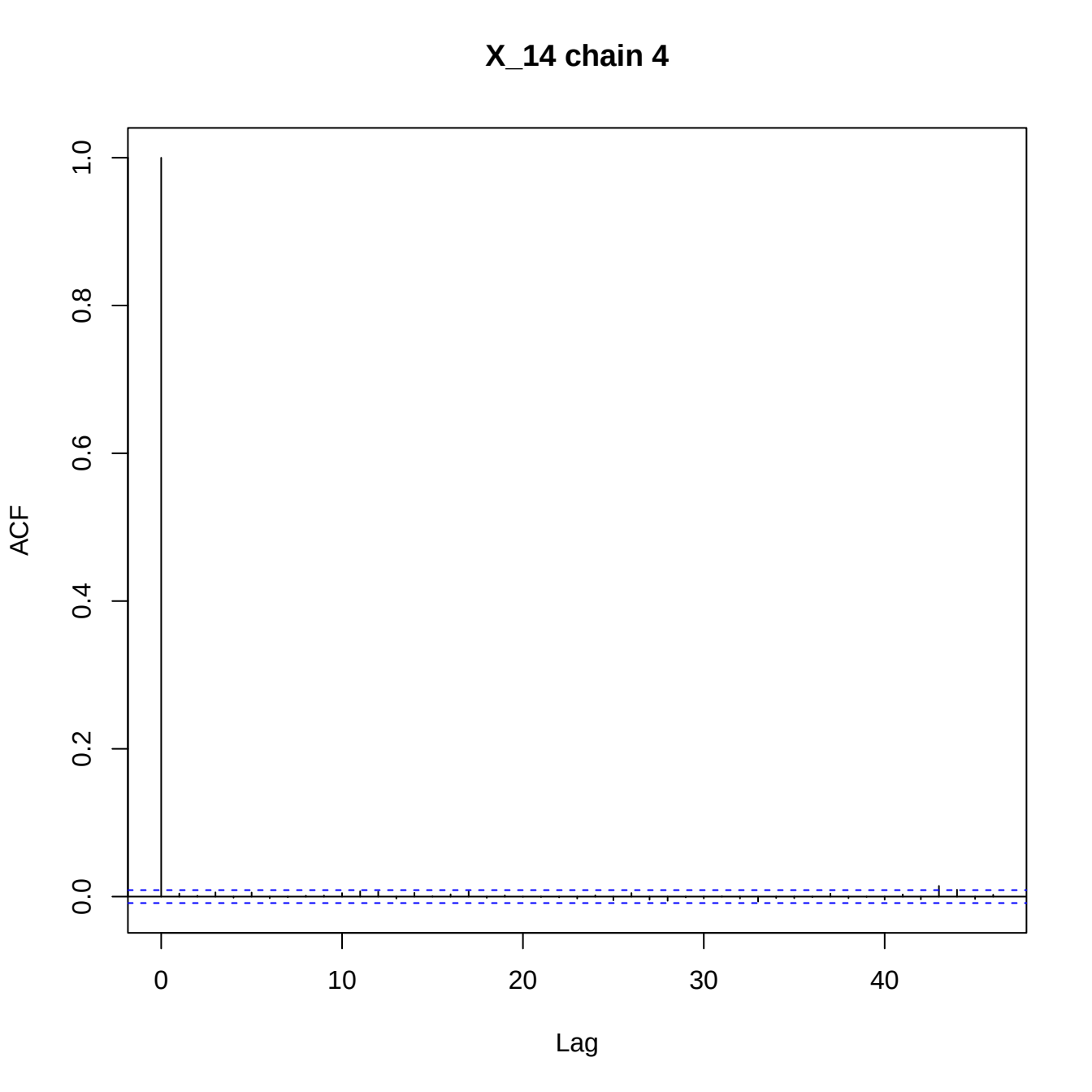
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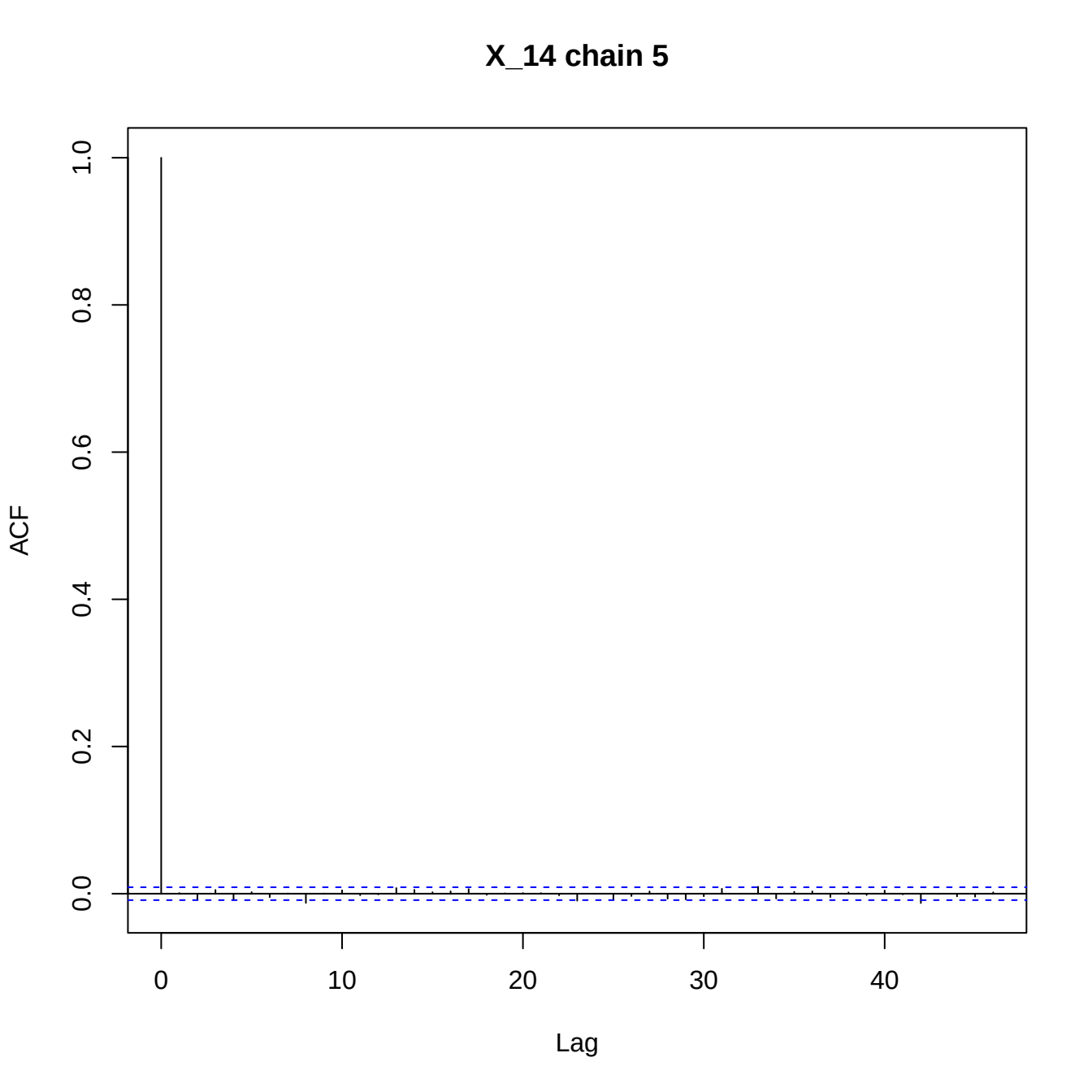
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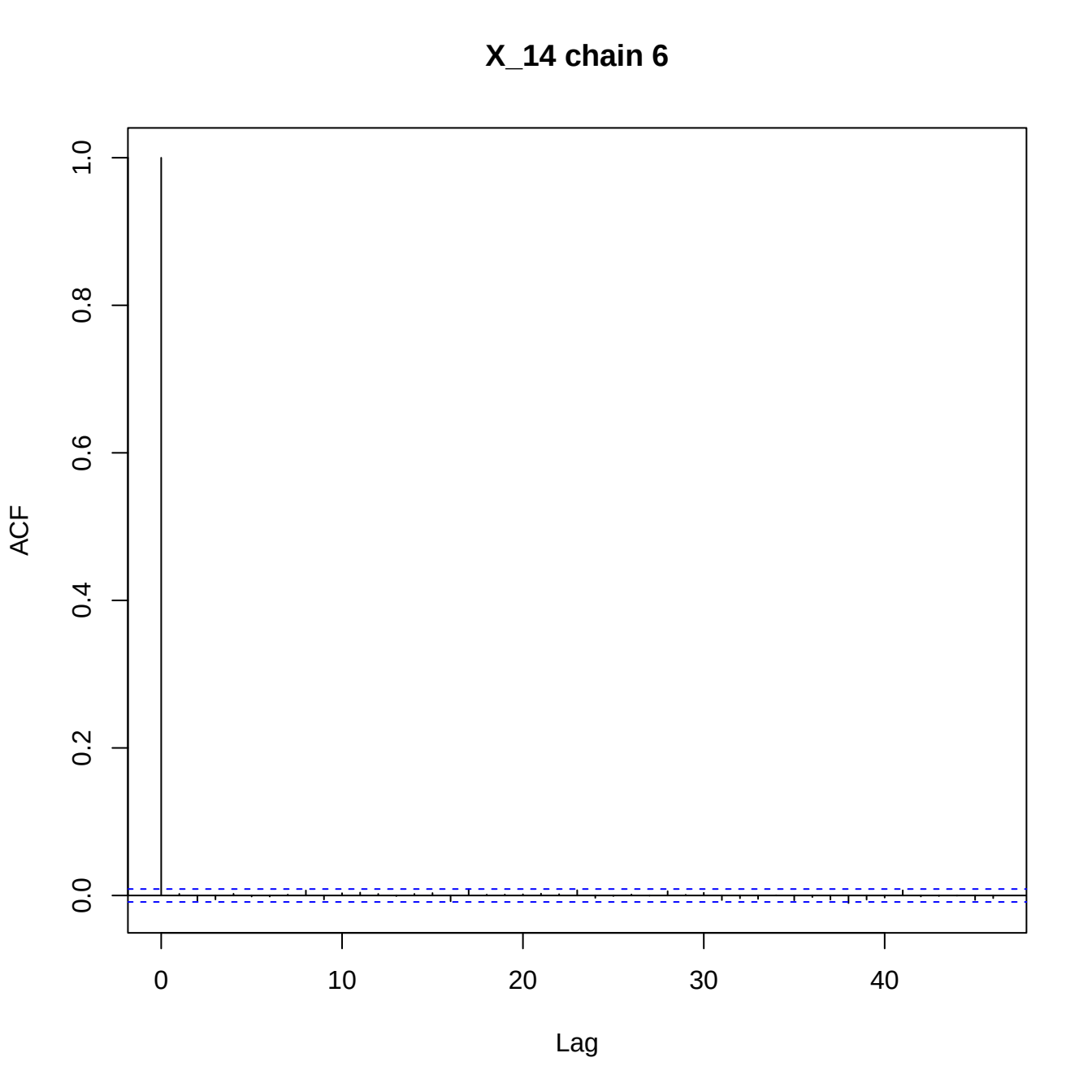
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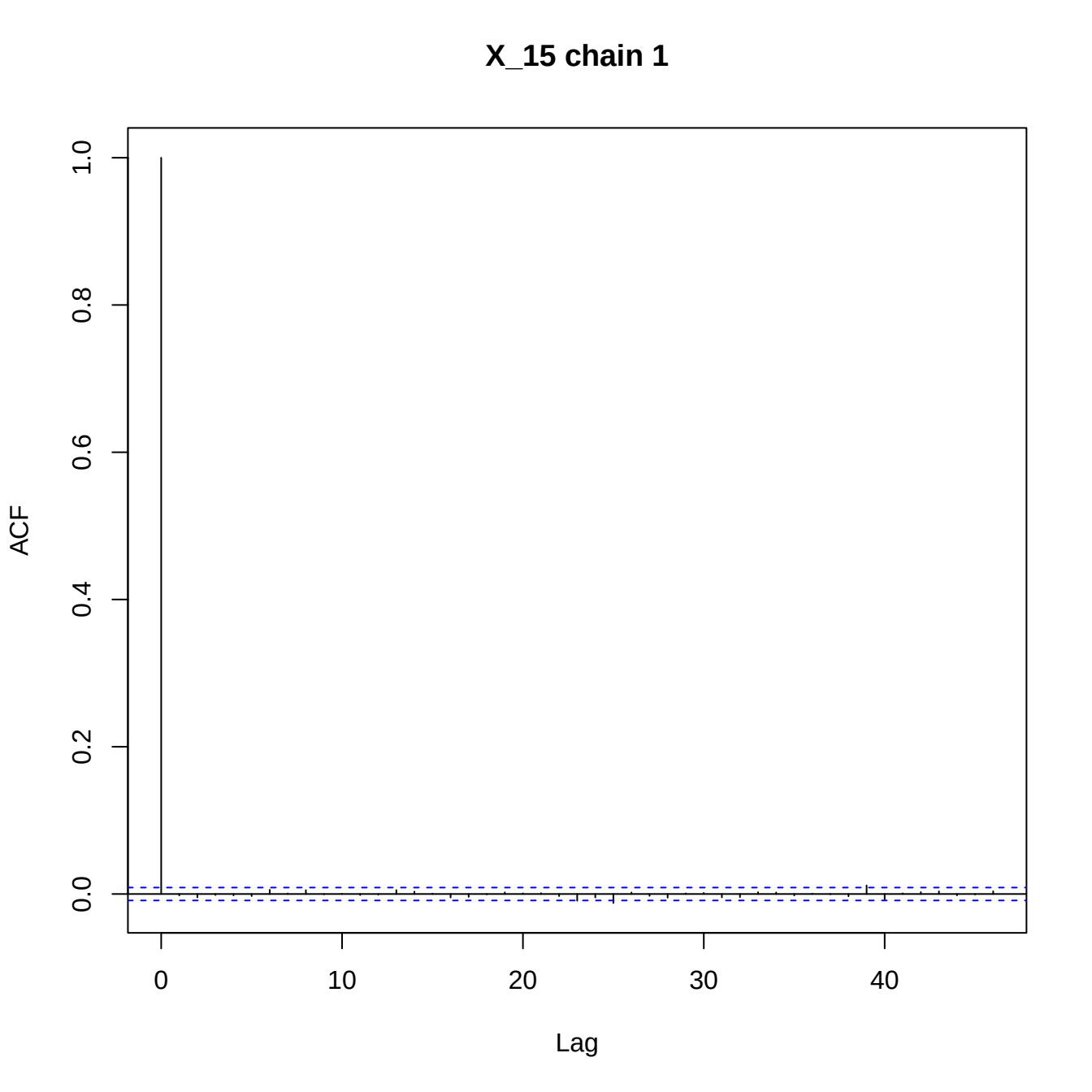
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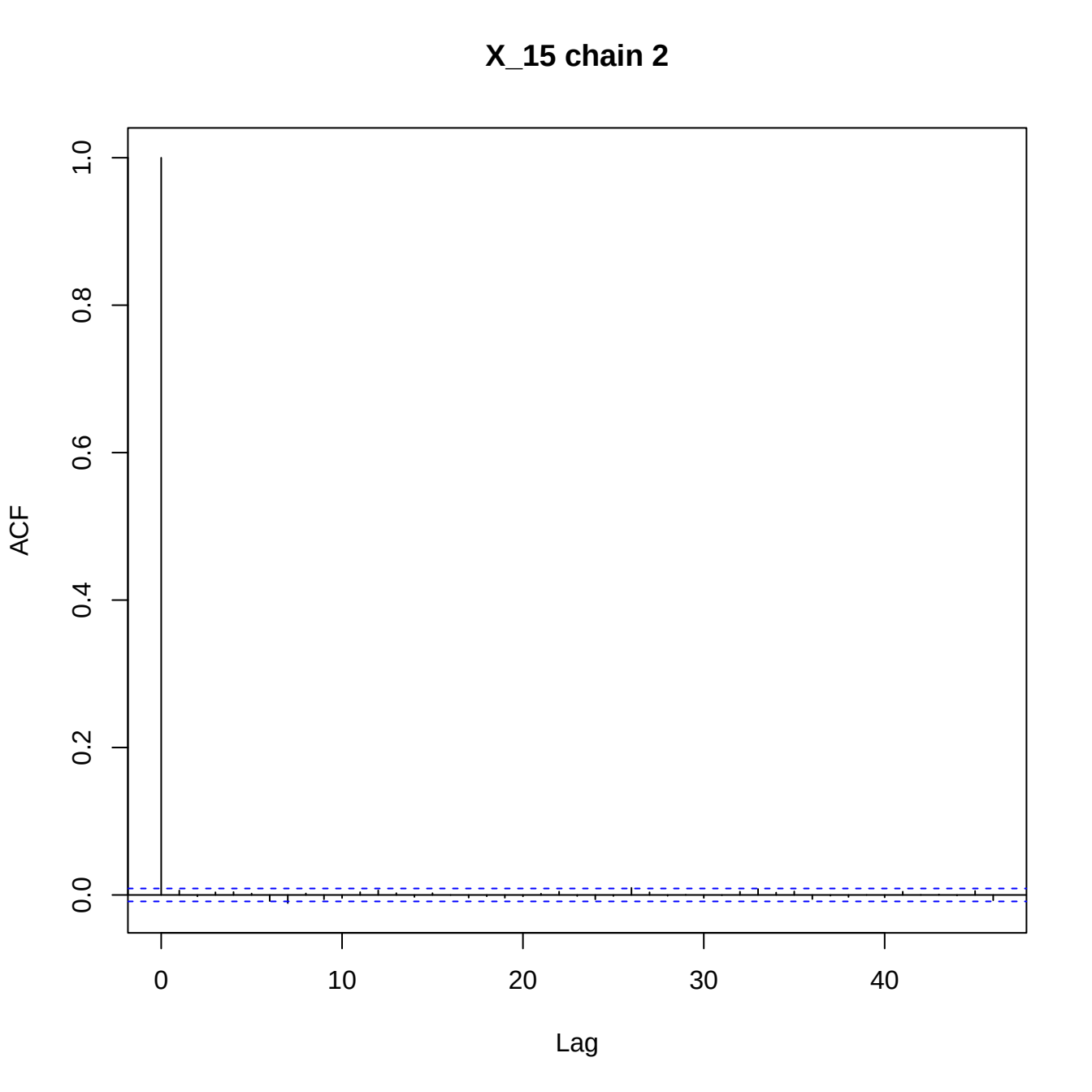
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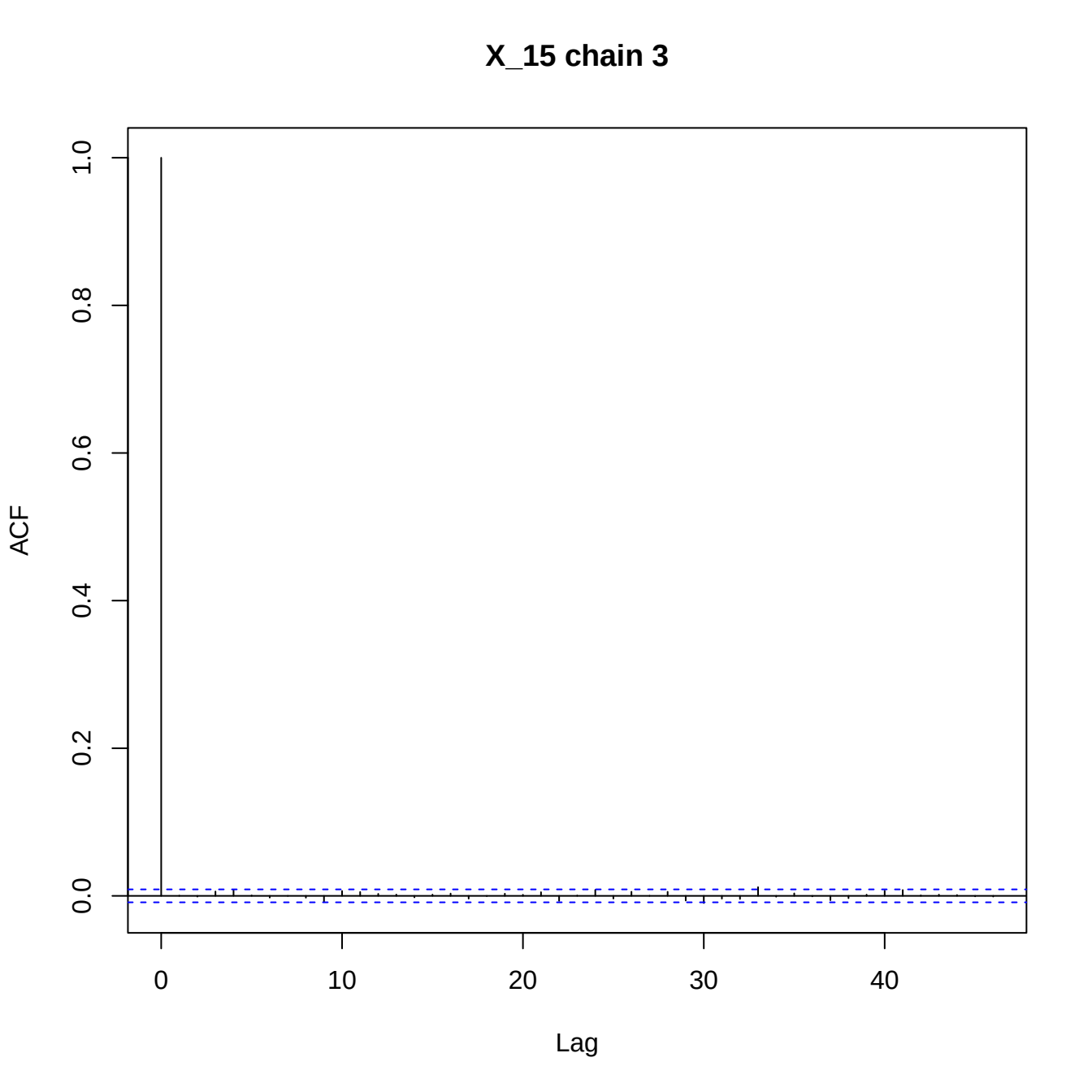
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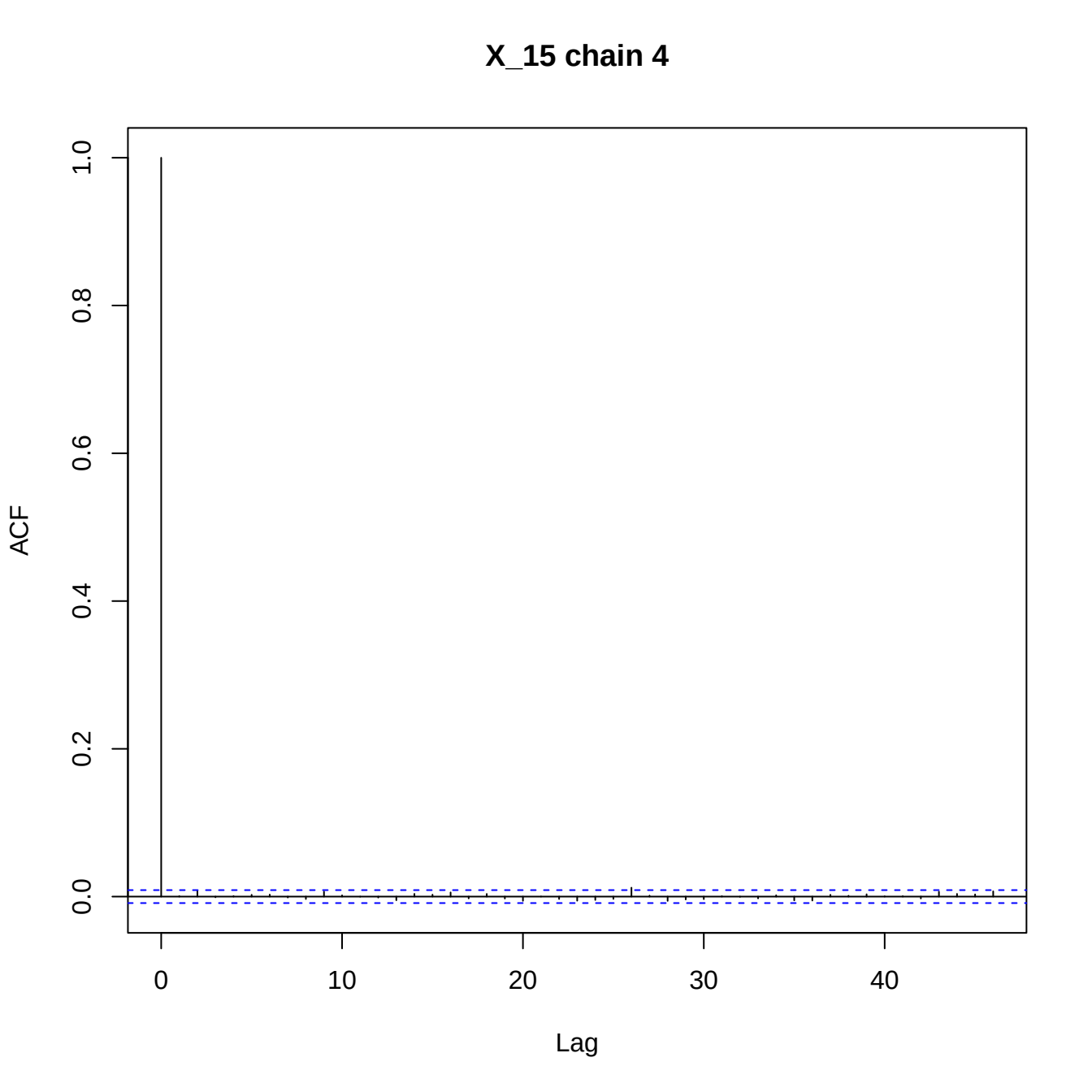
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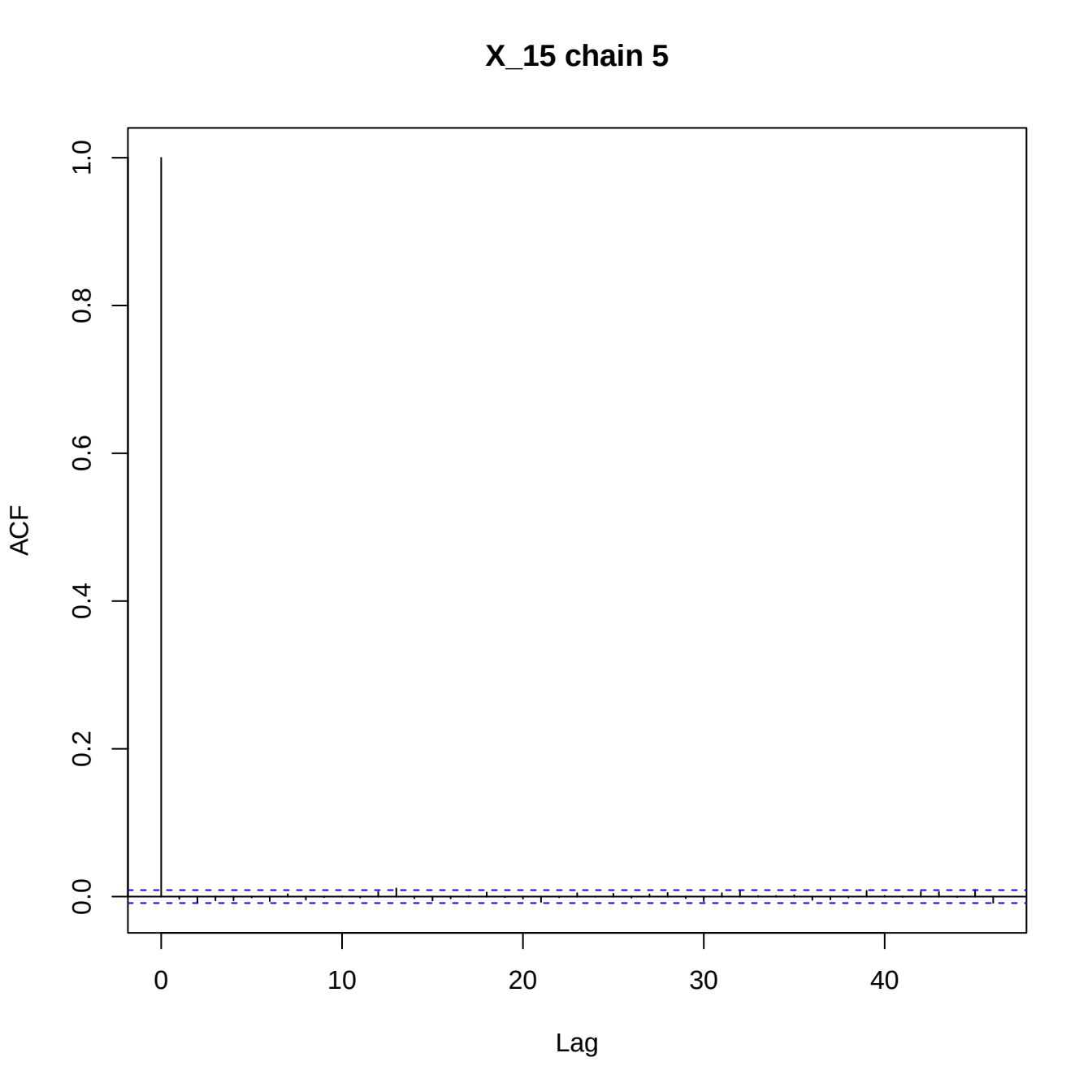
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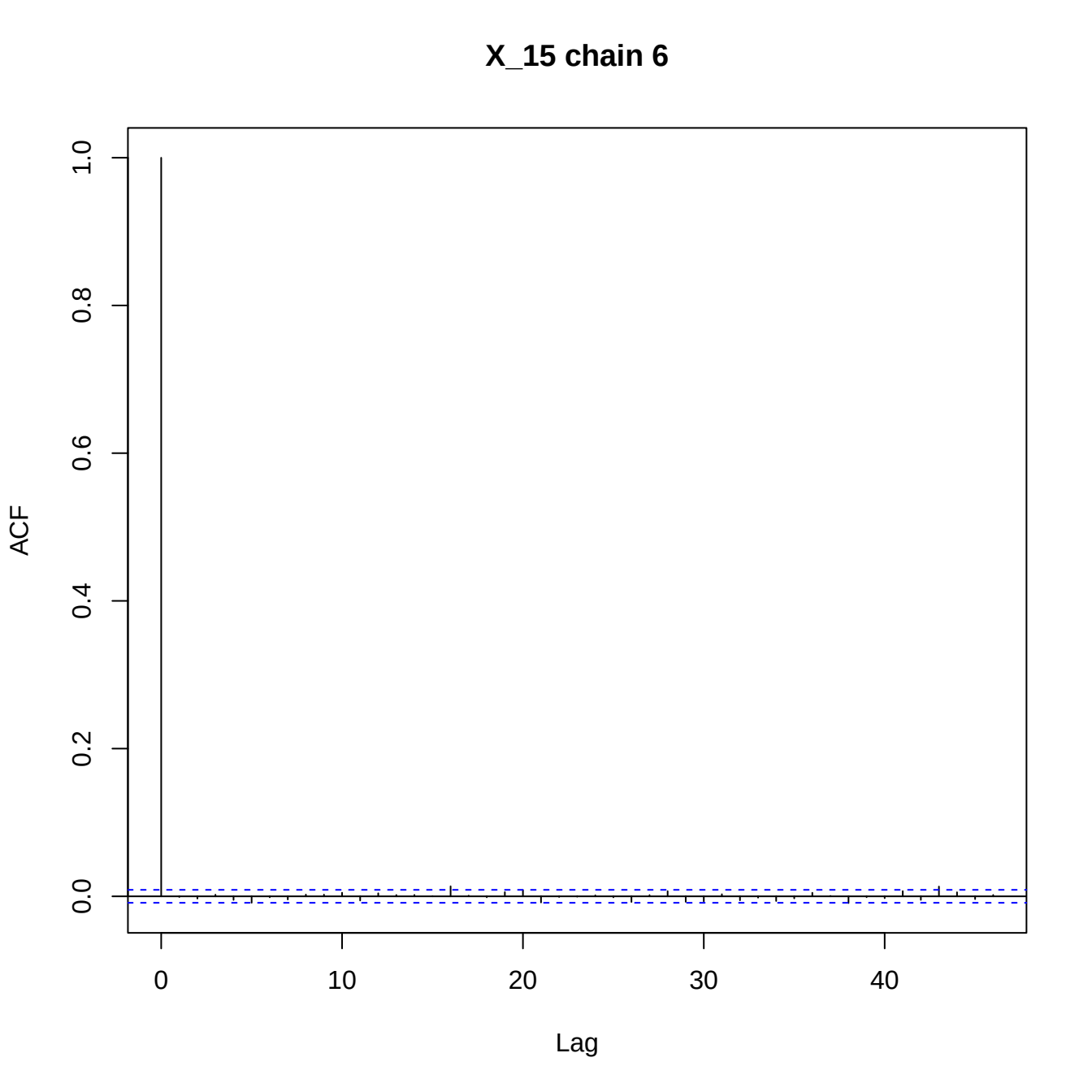
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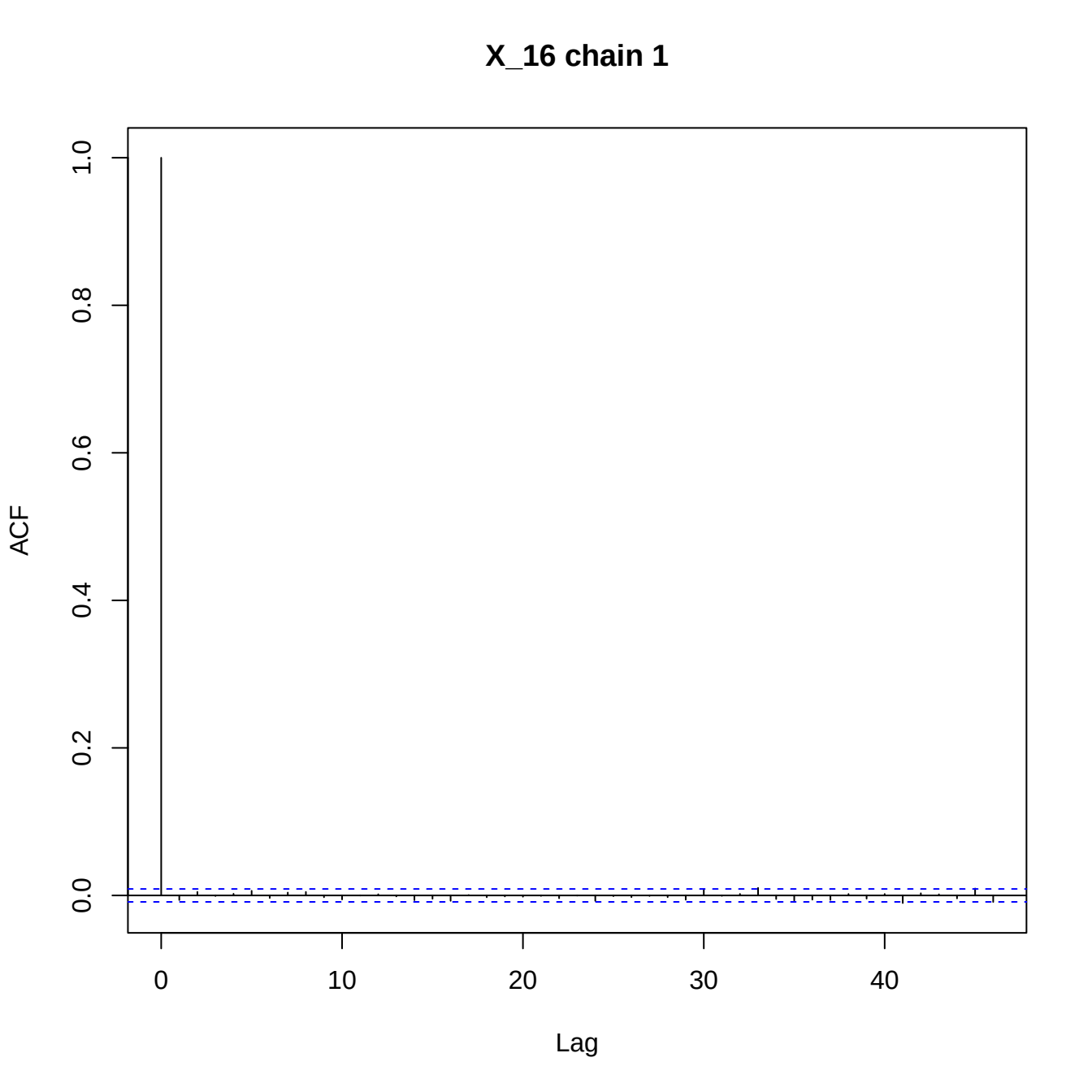
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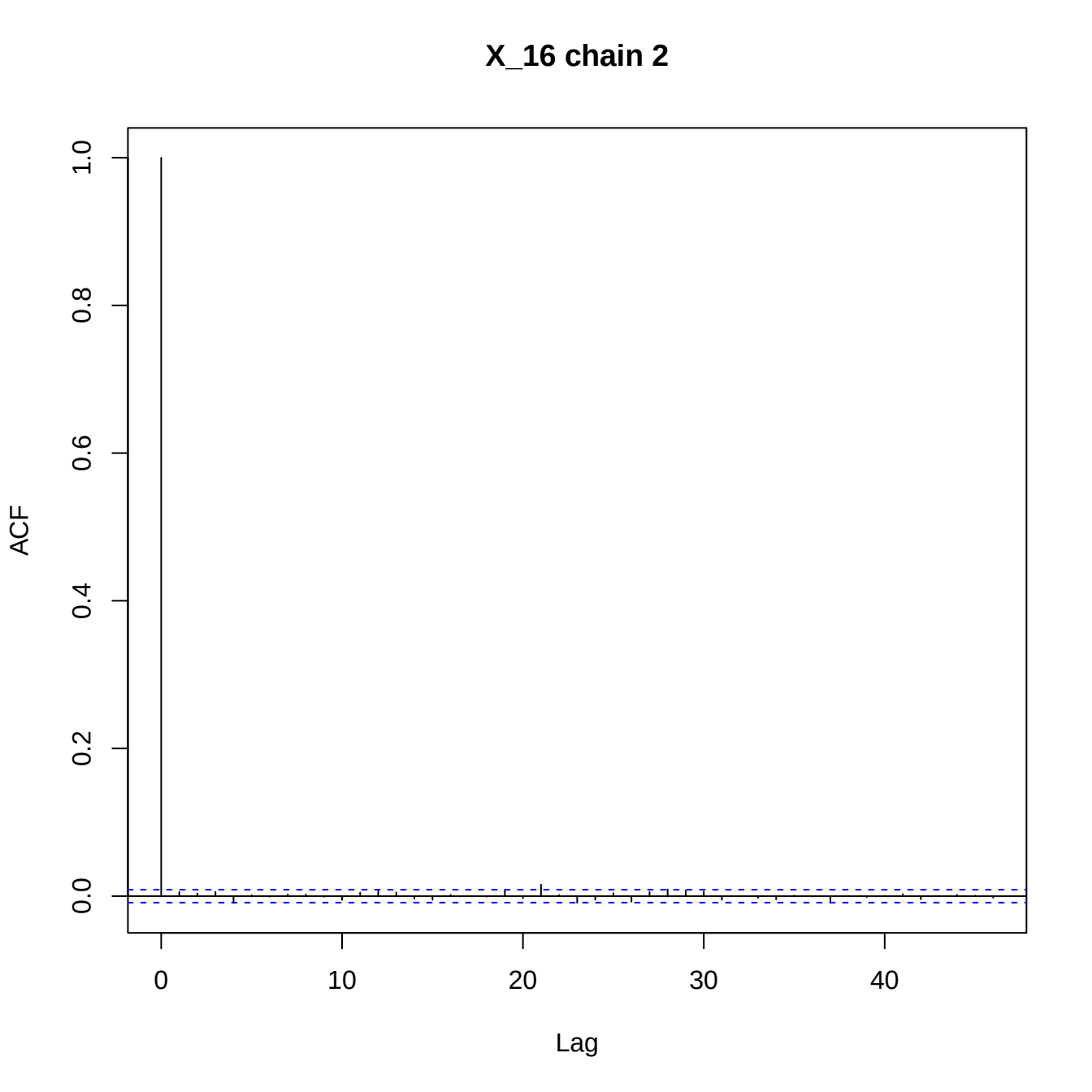
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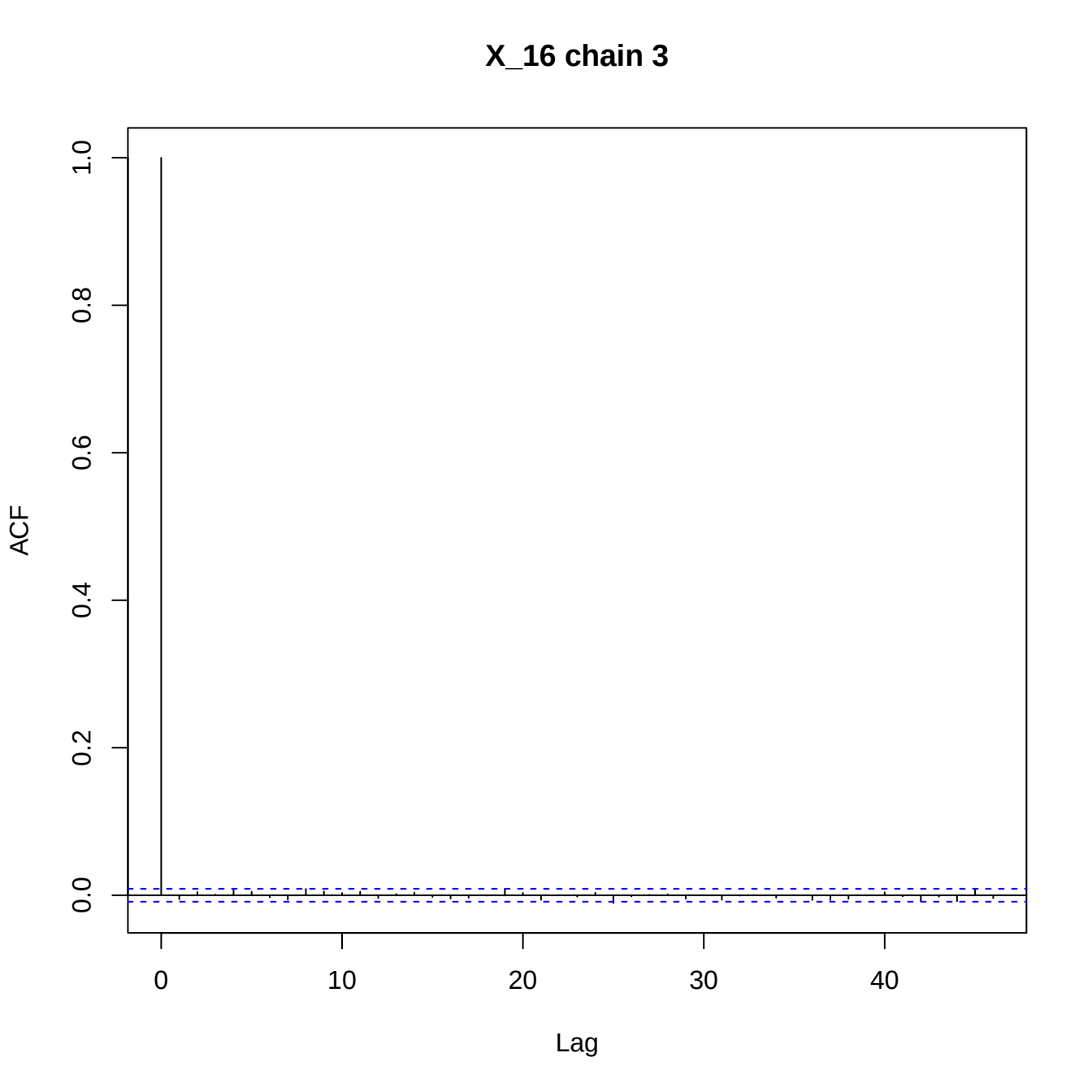
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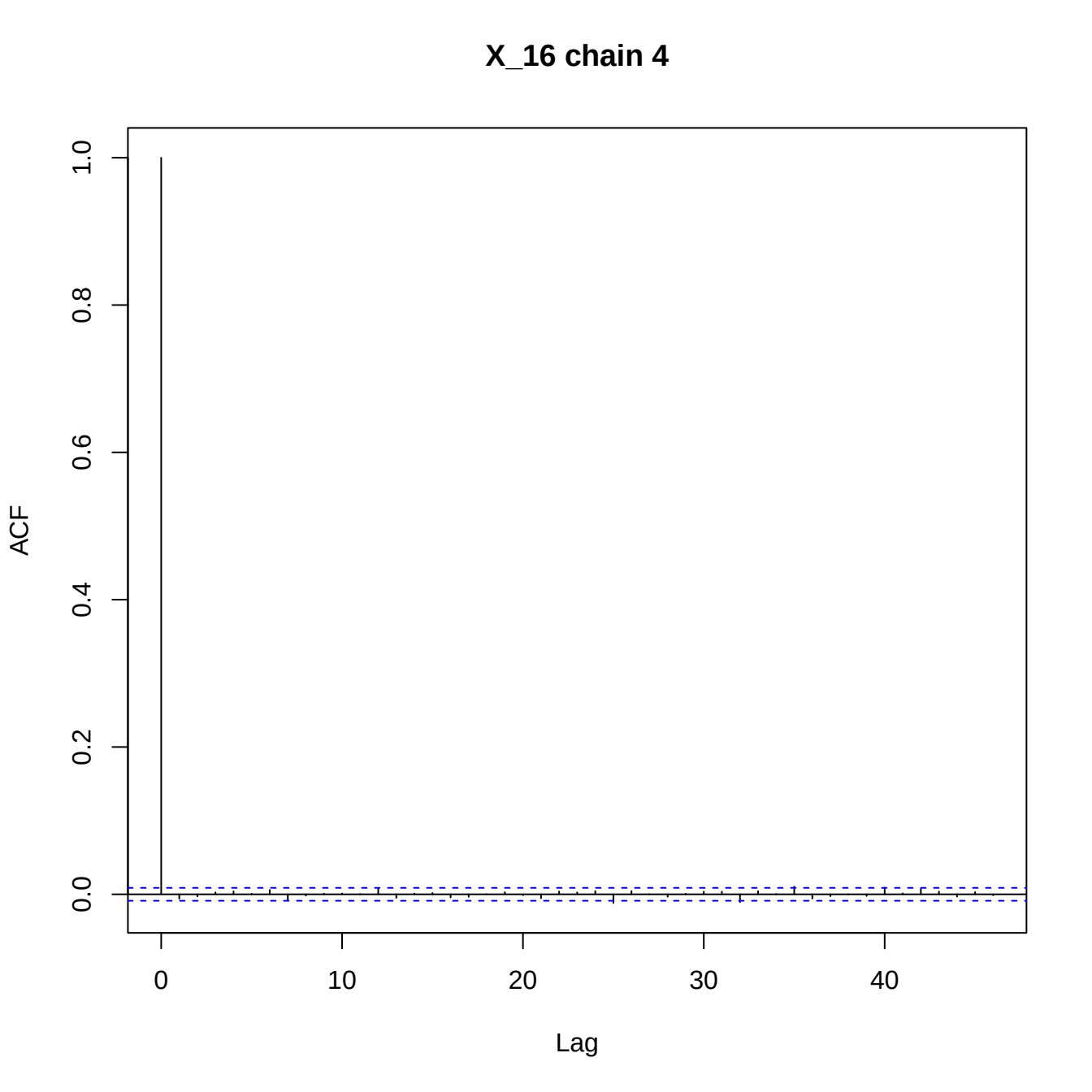
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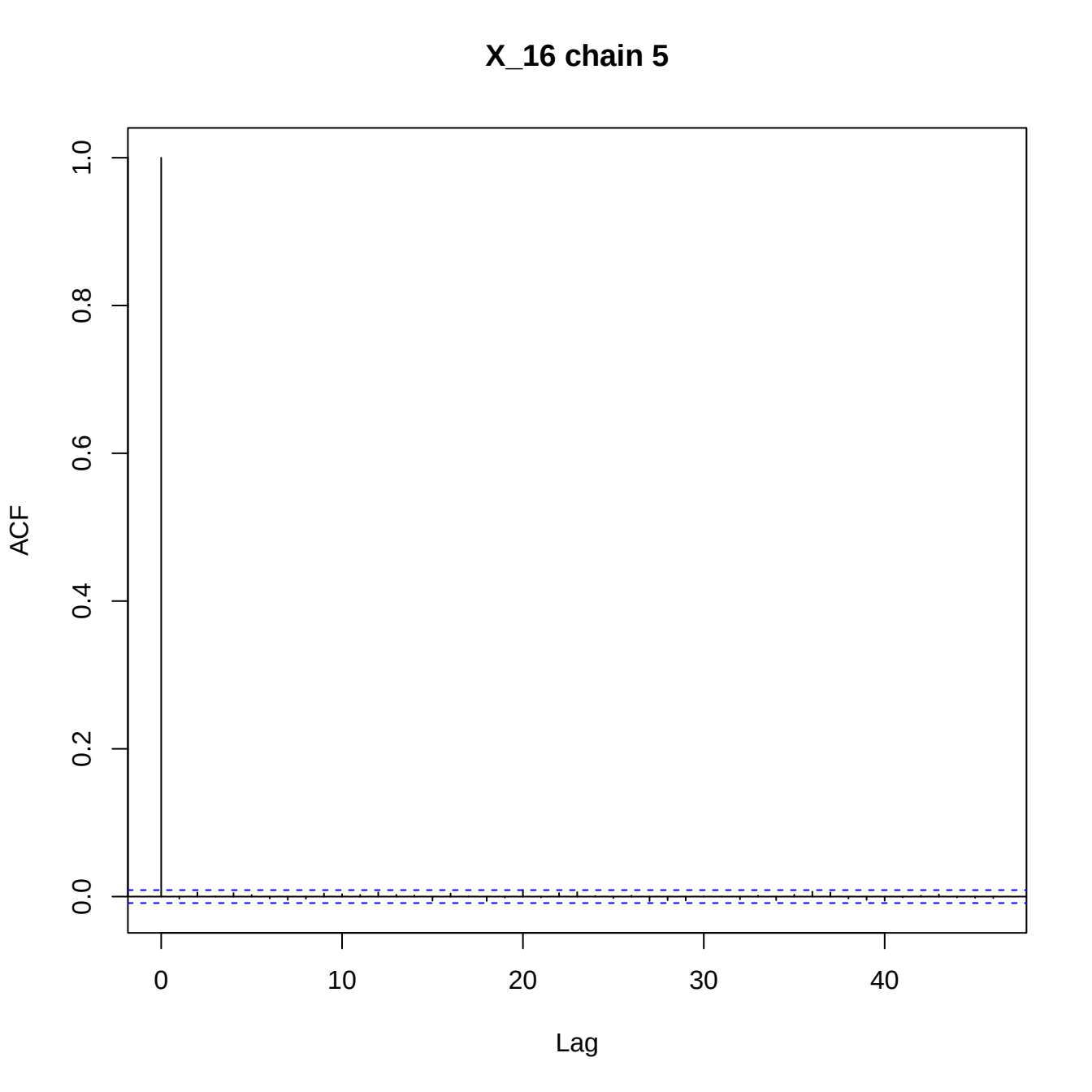
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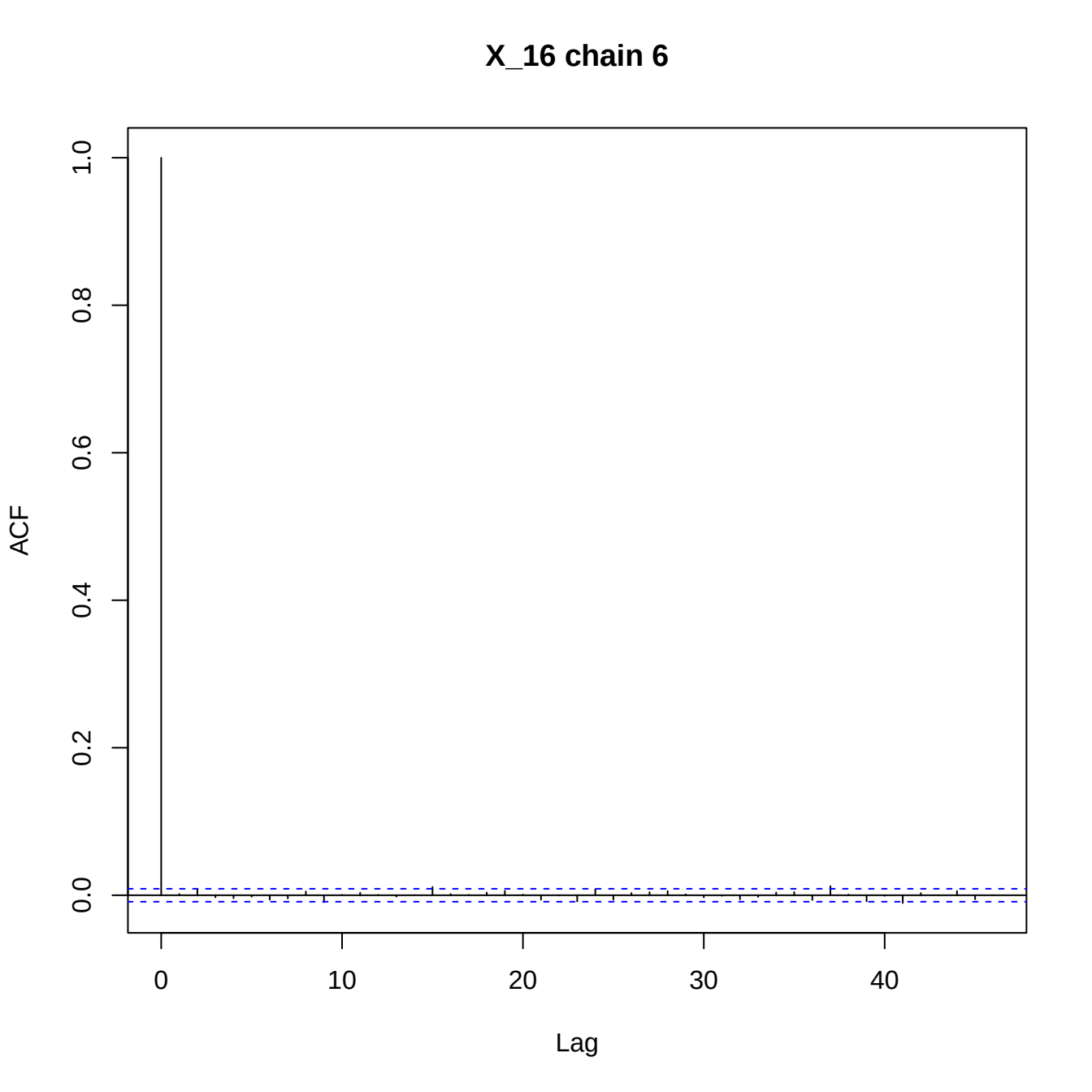
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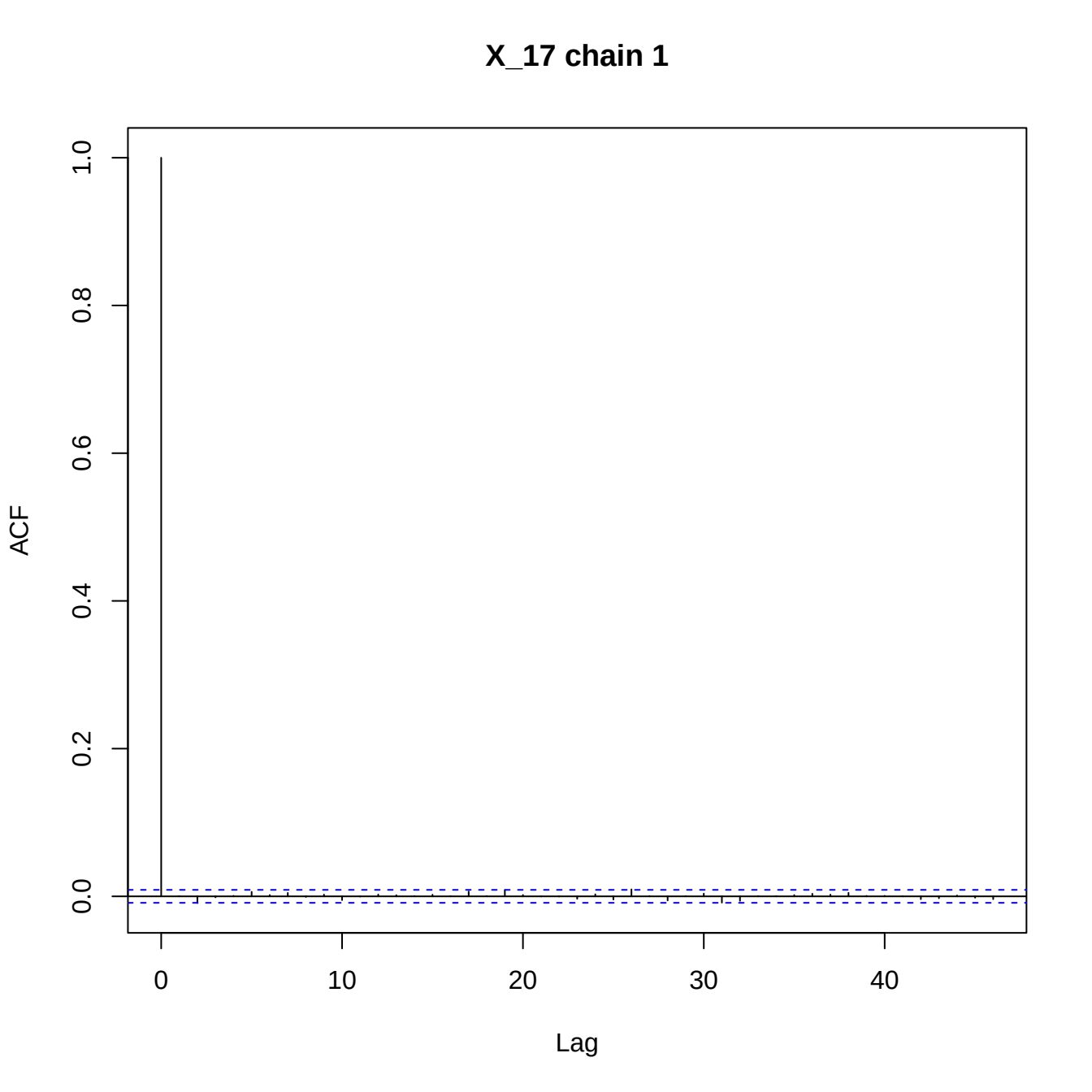
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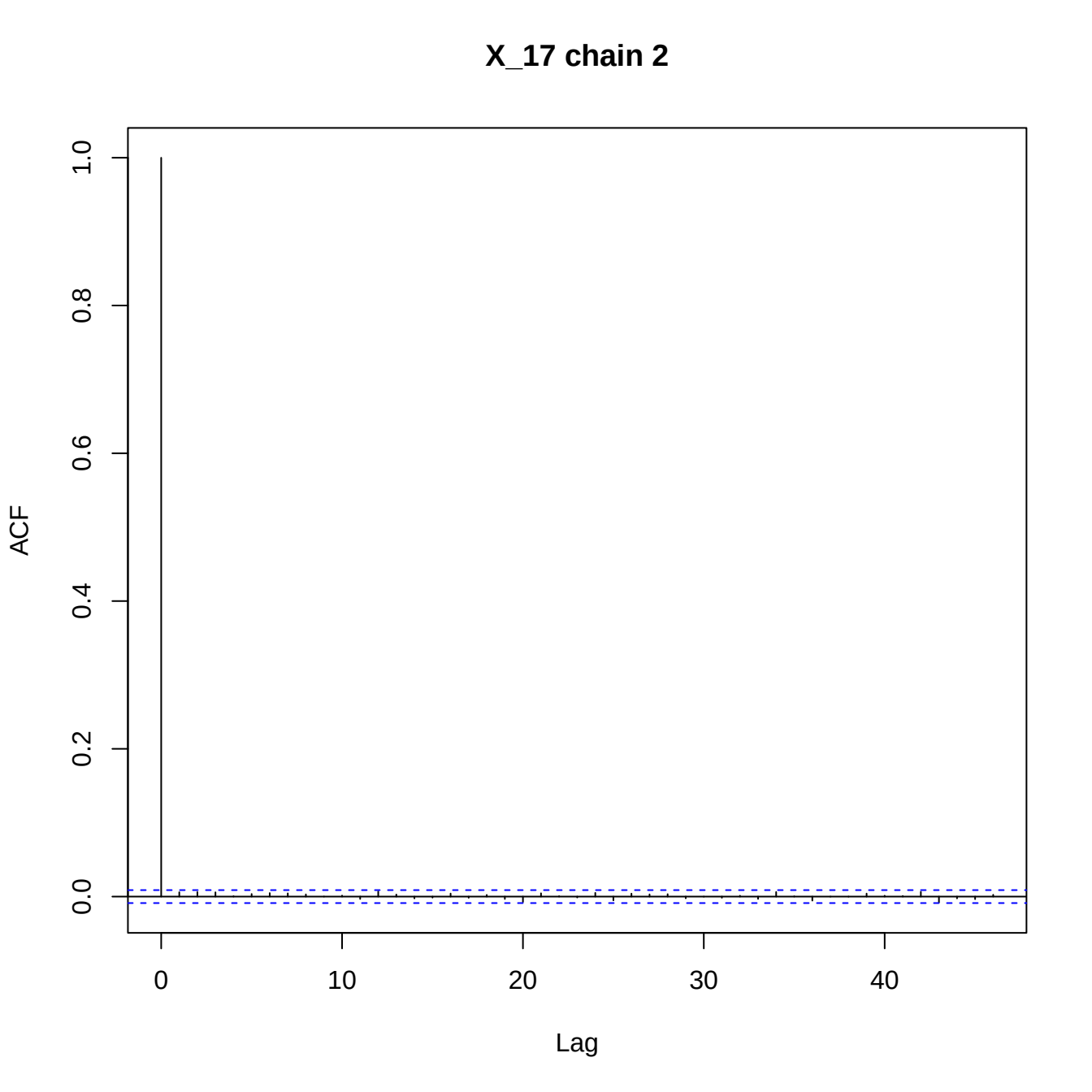
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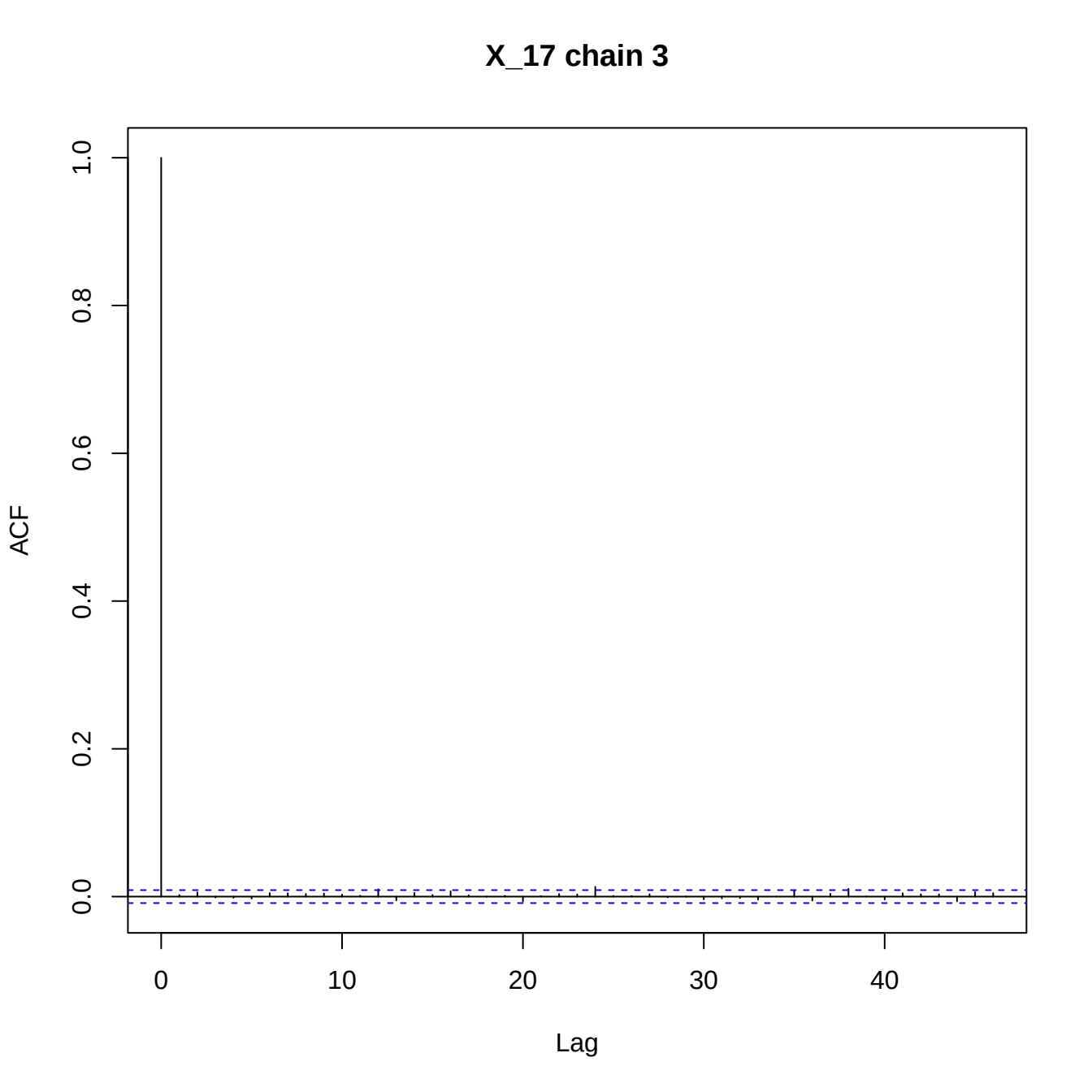
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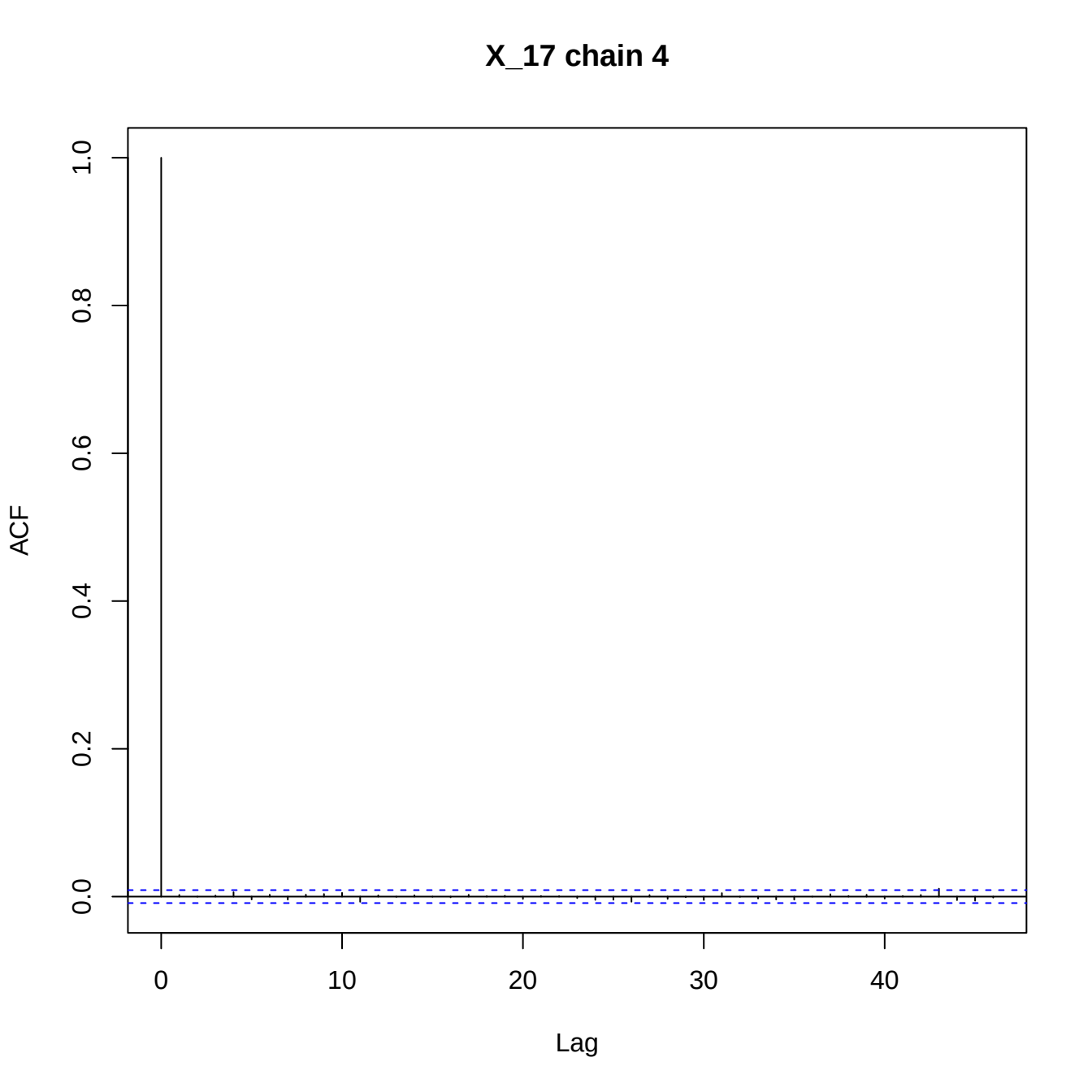
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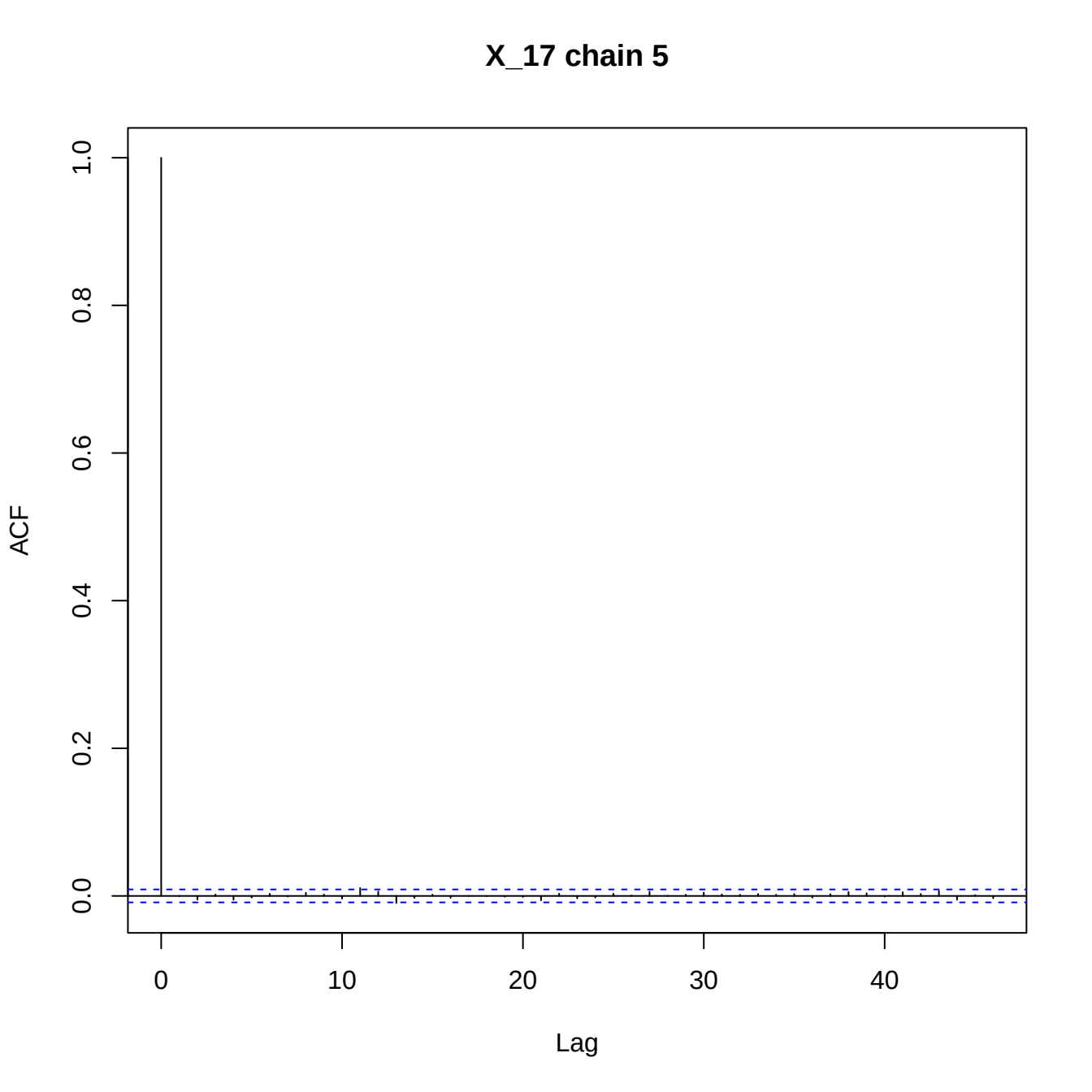
X_17 chain 5
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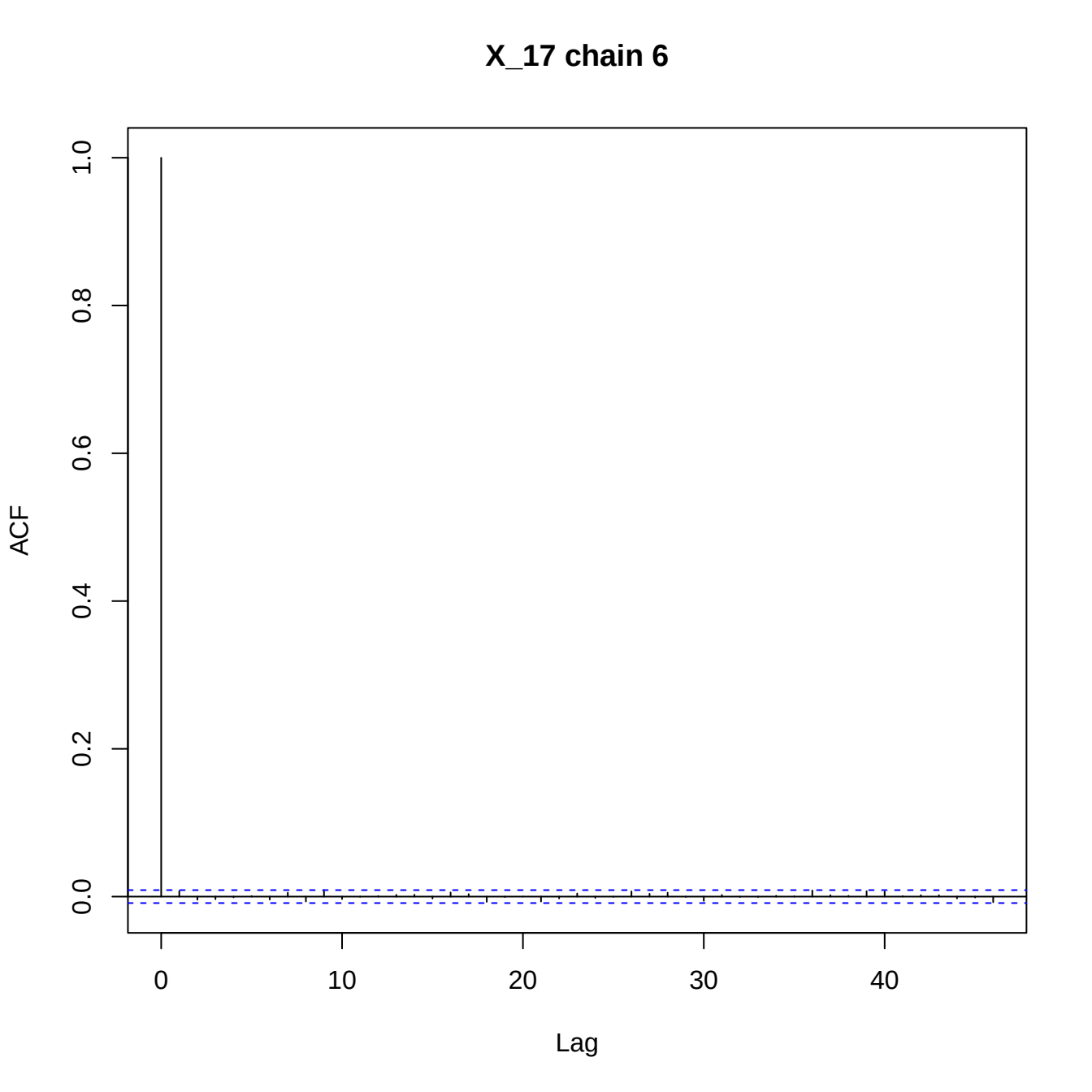
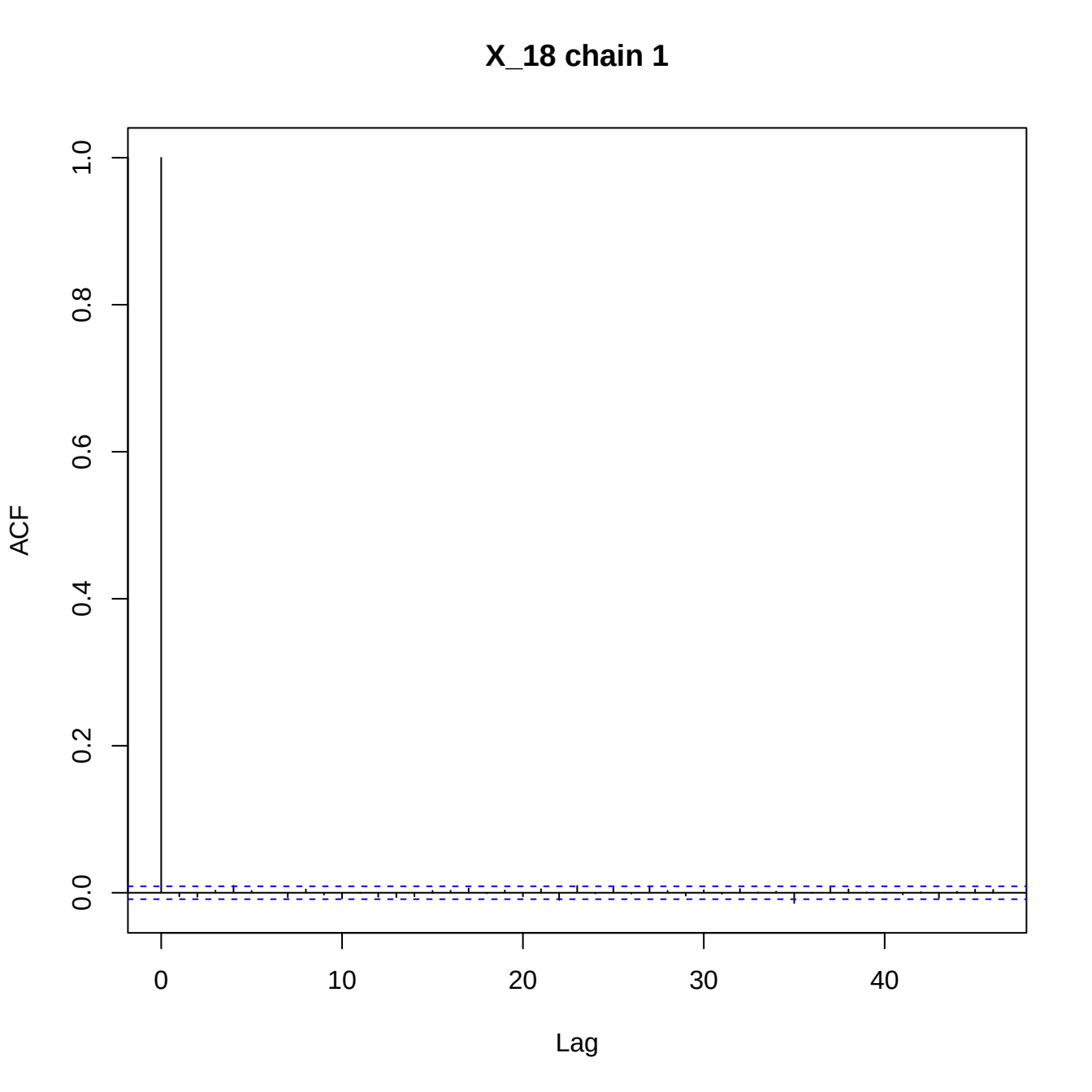
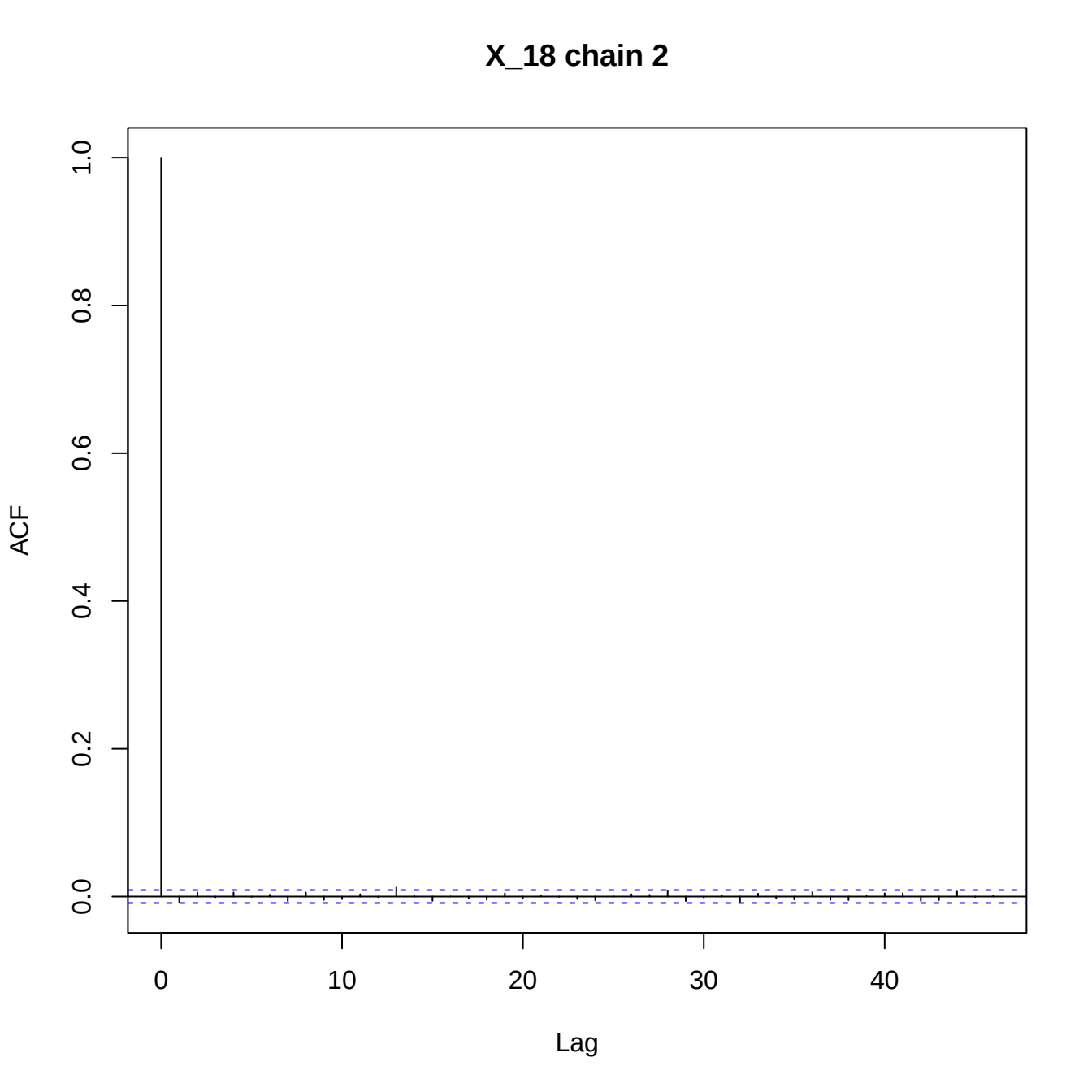
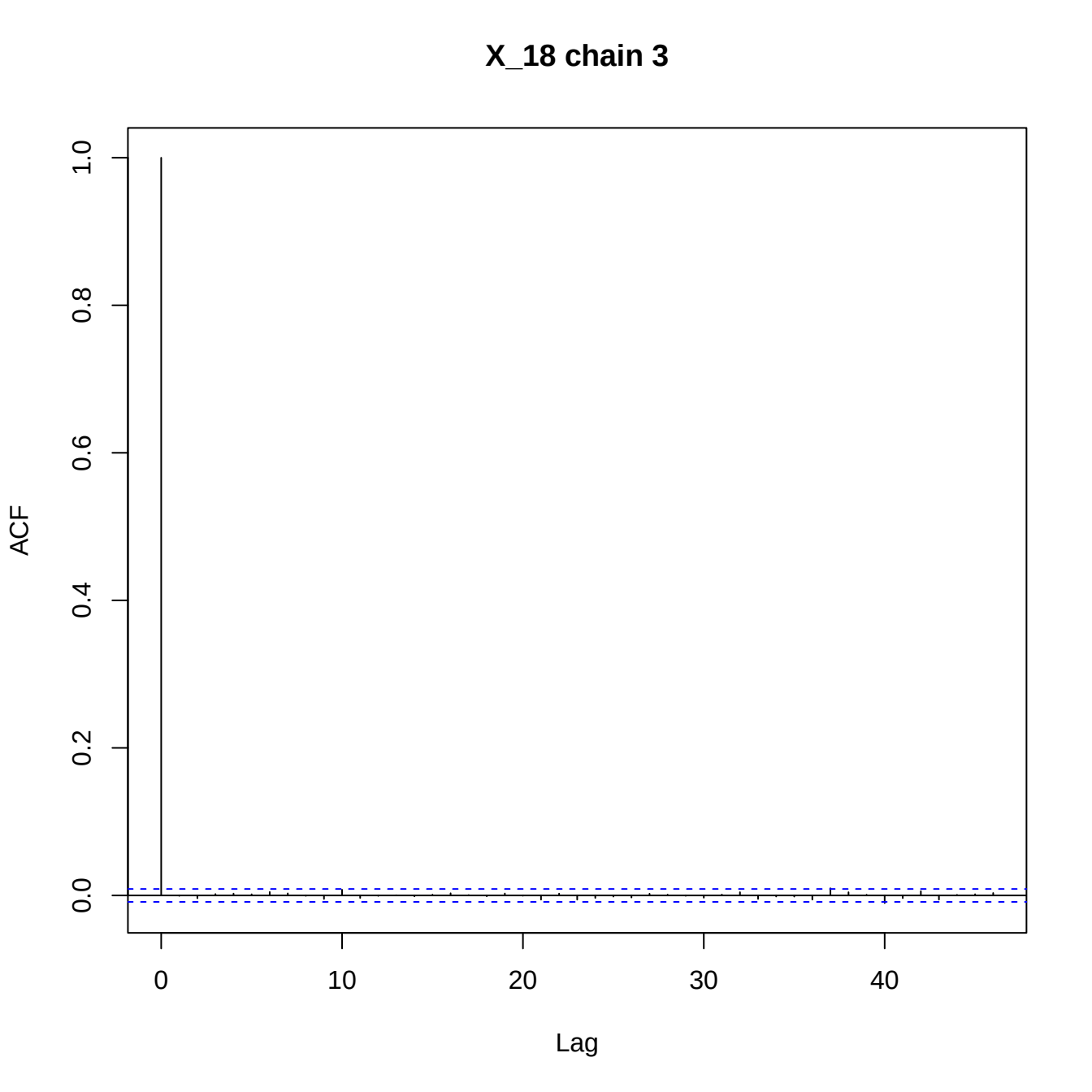
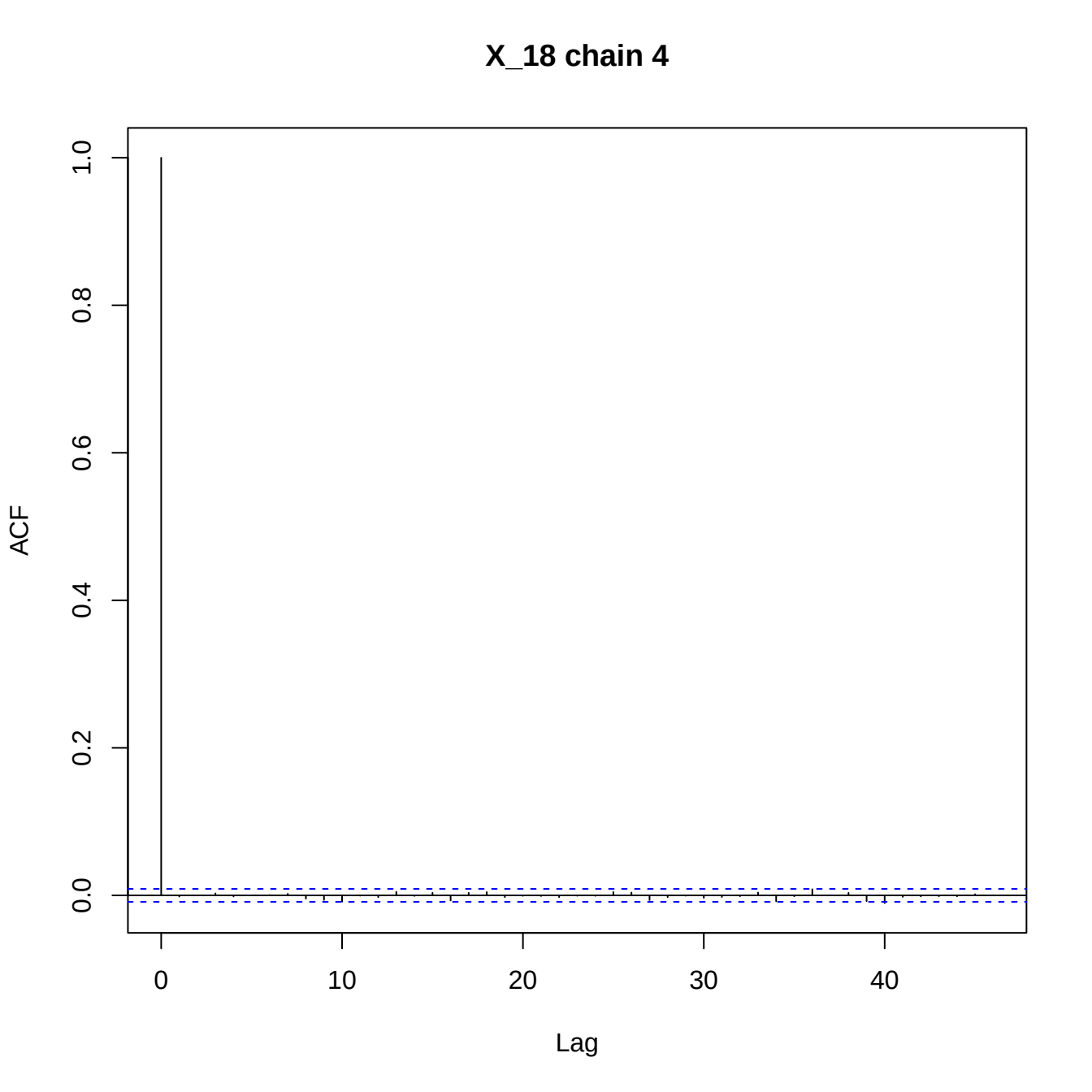
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

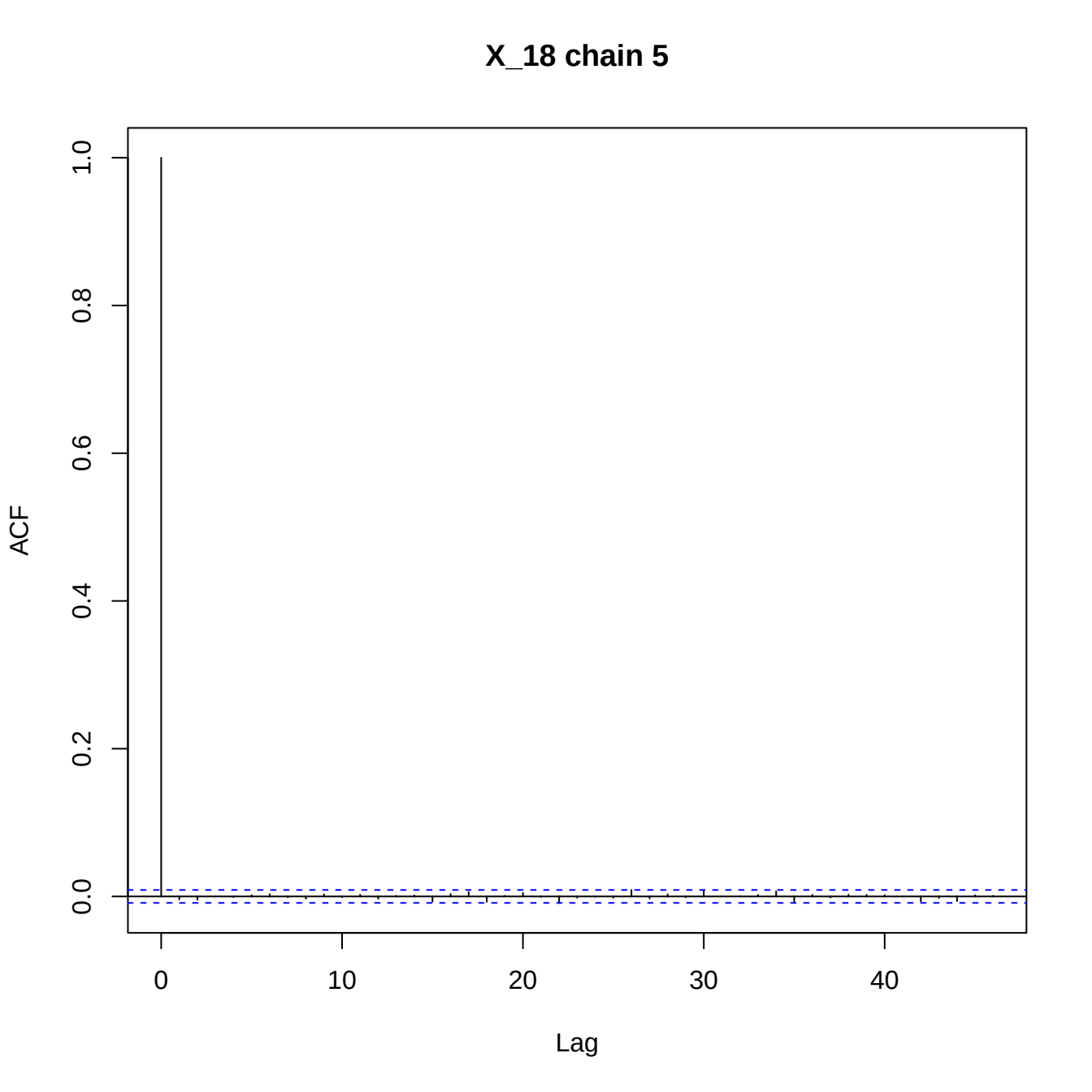

X_17 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

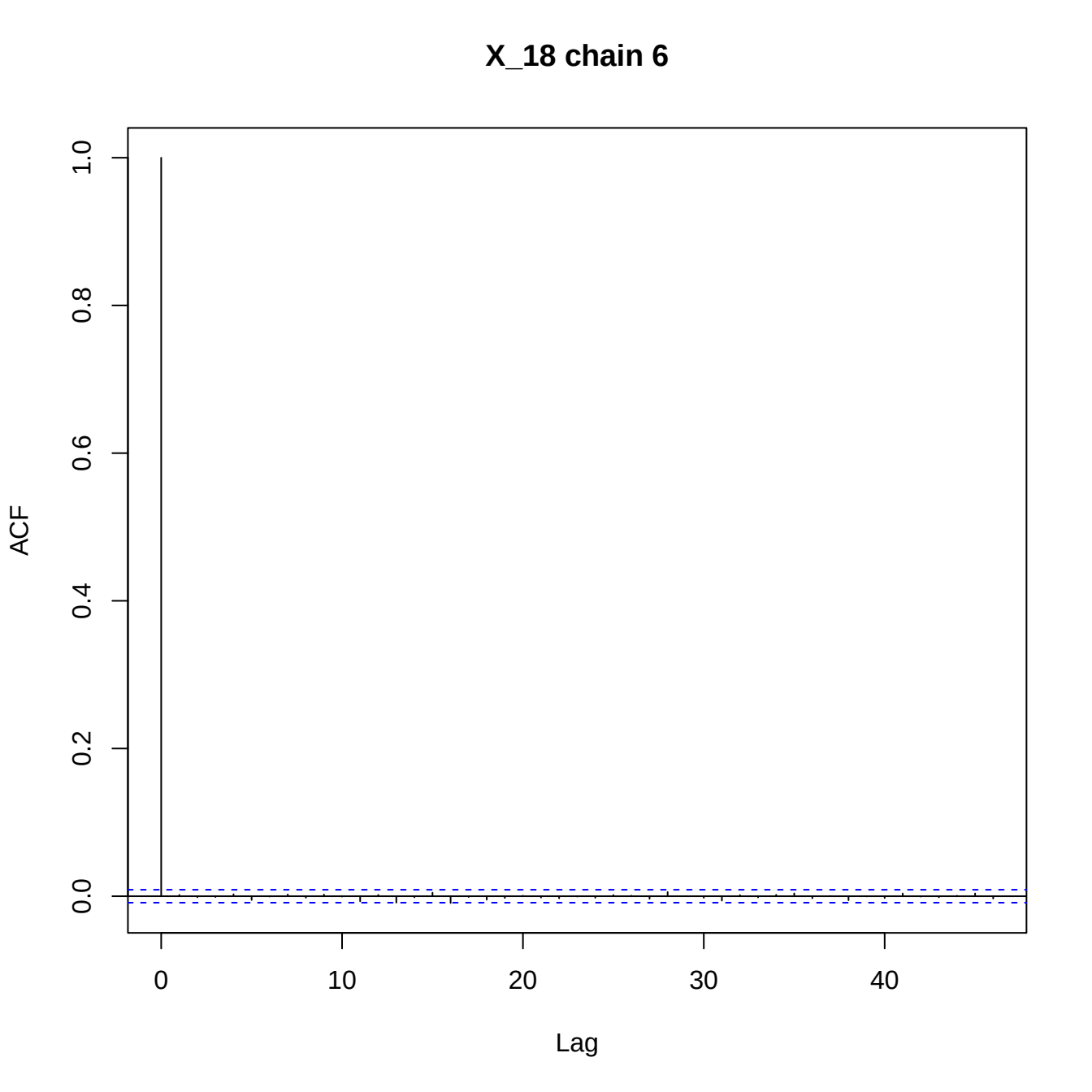

X_18 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

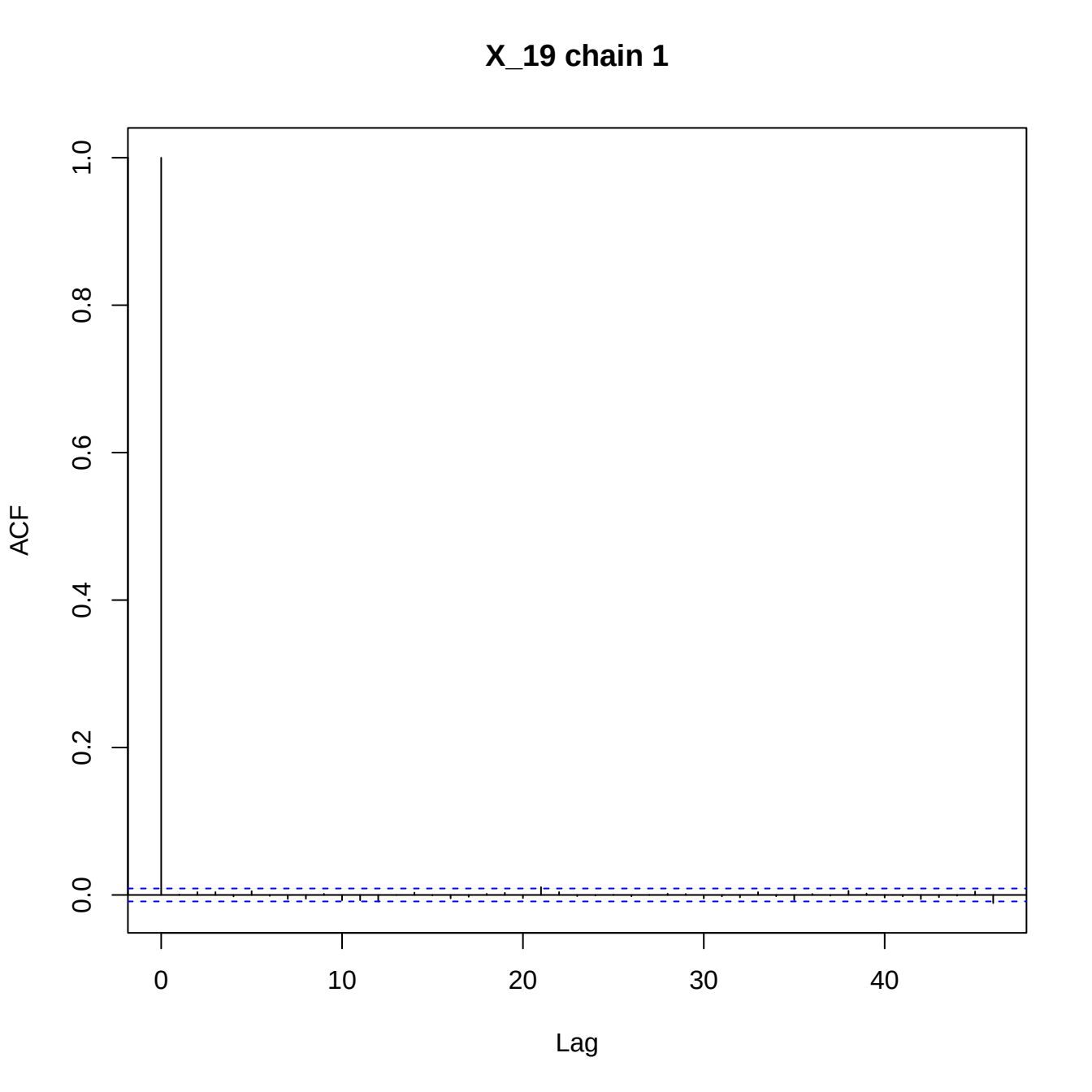

X_18 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

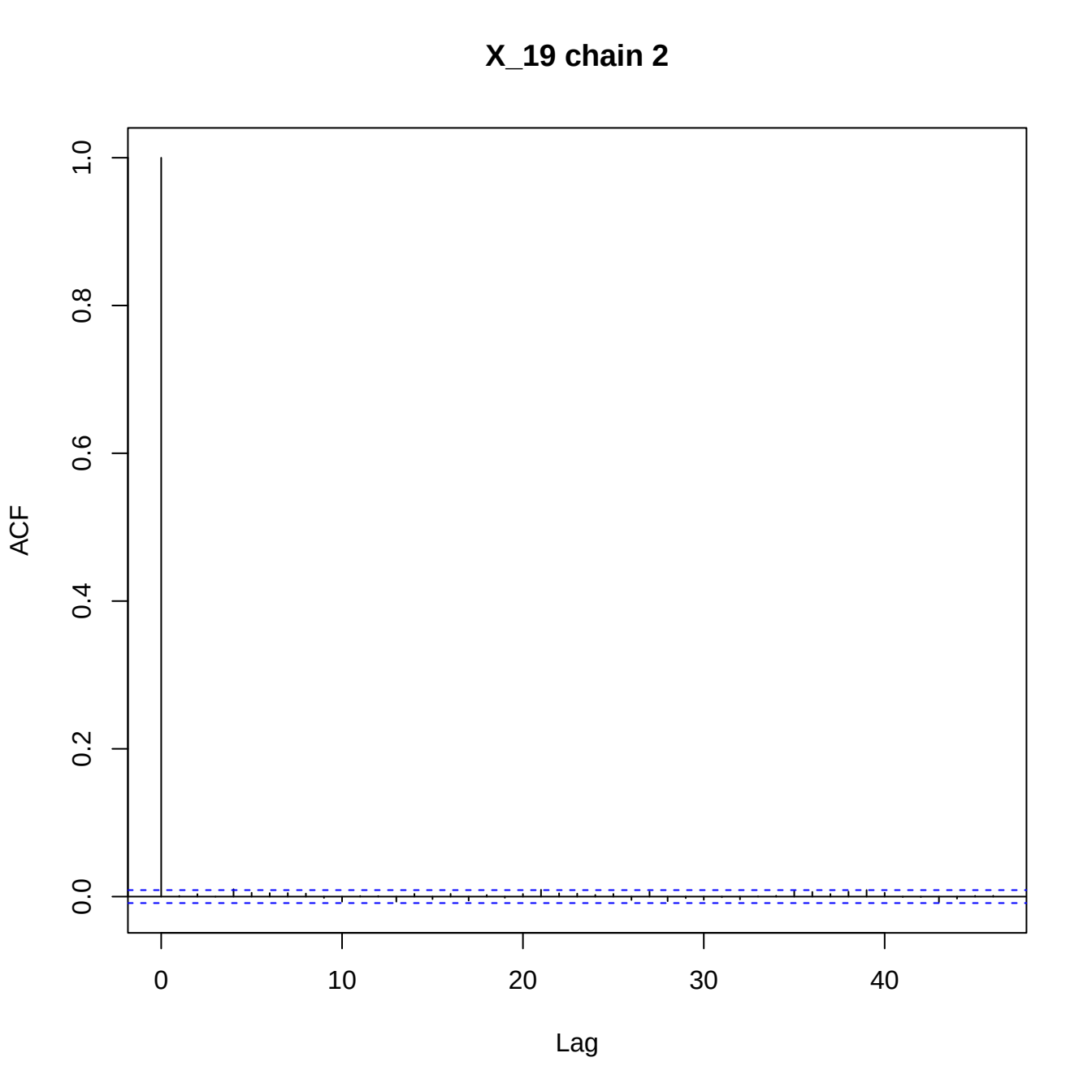

X_18 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

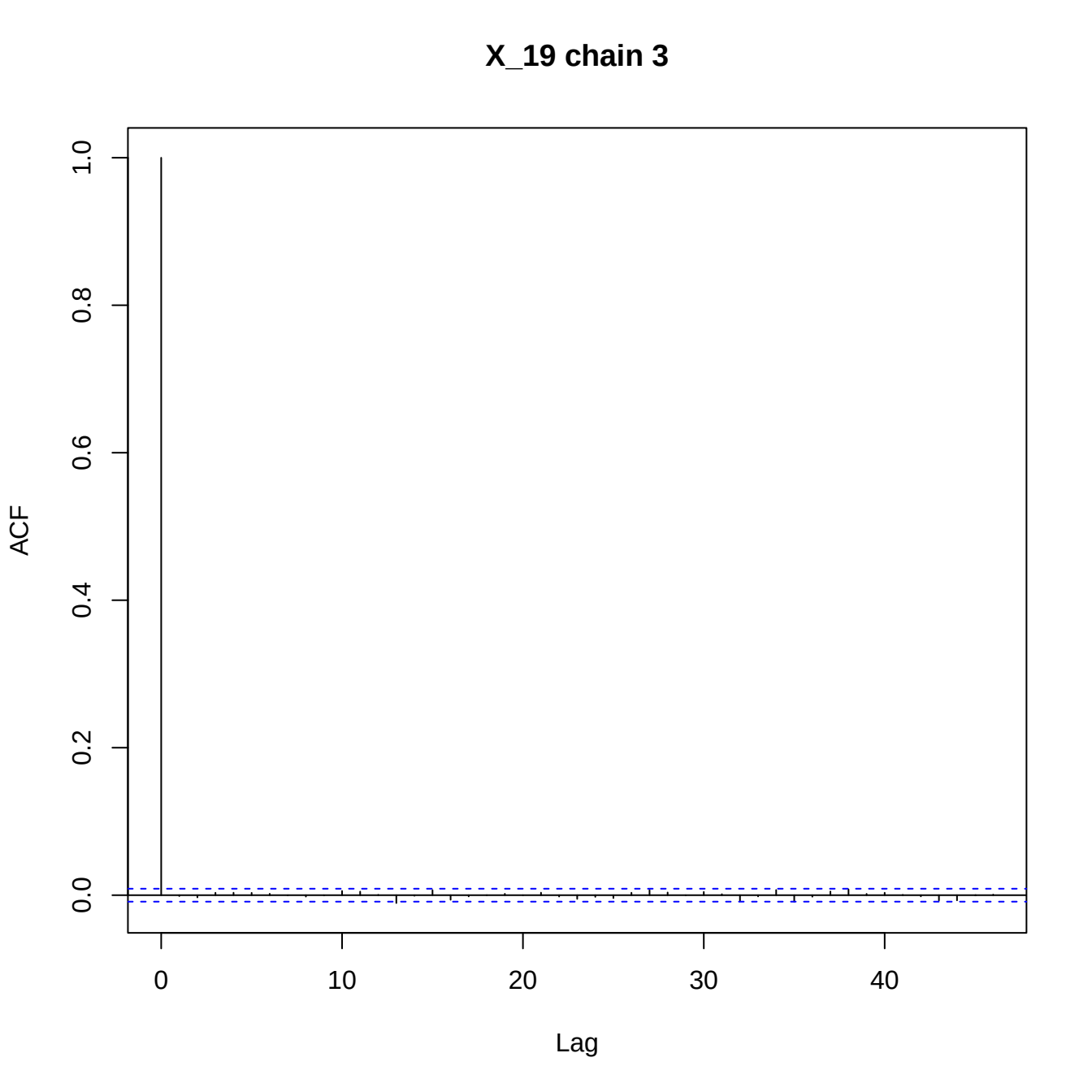

X_18 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

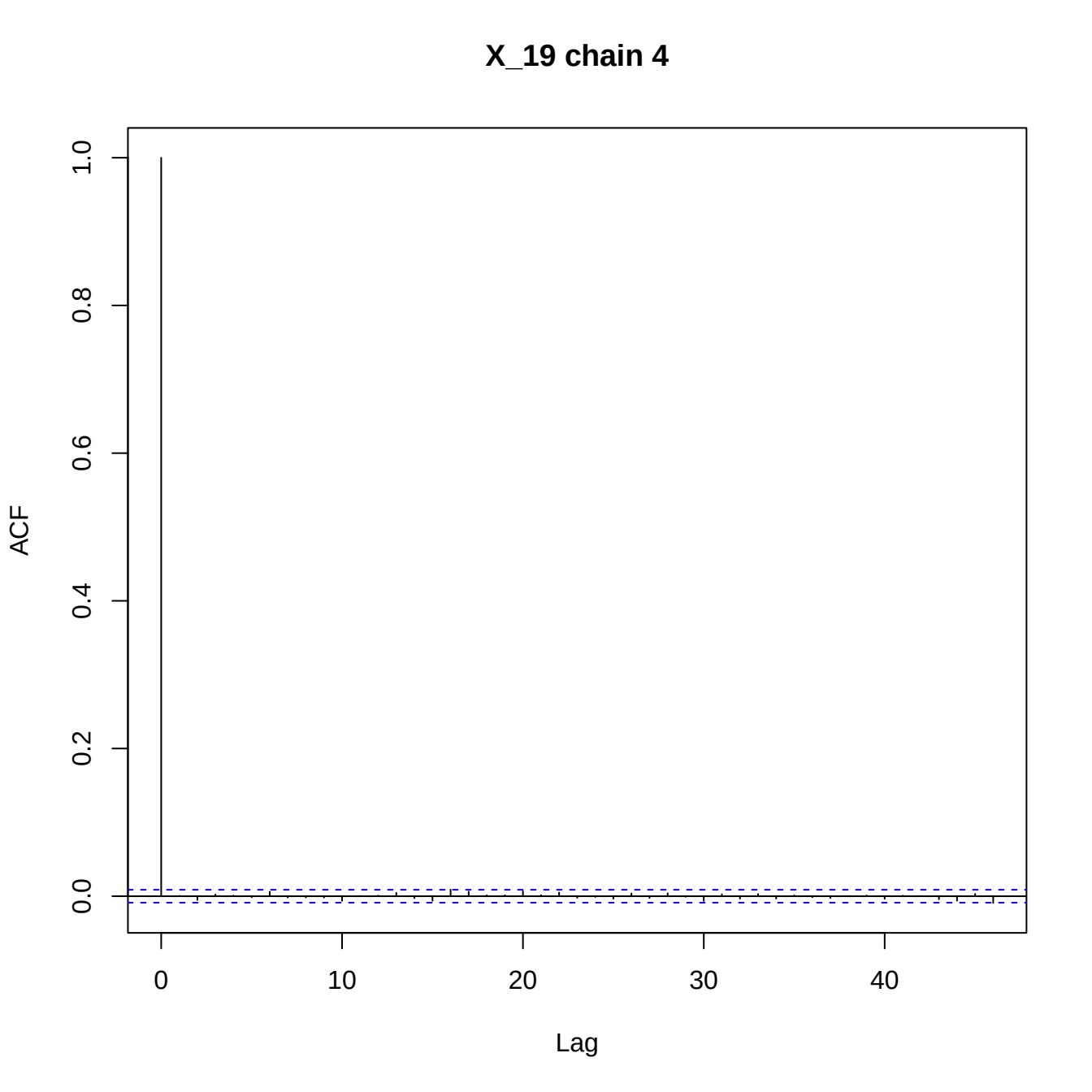

X_18 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

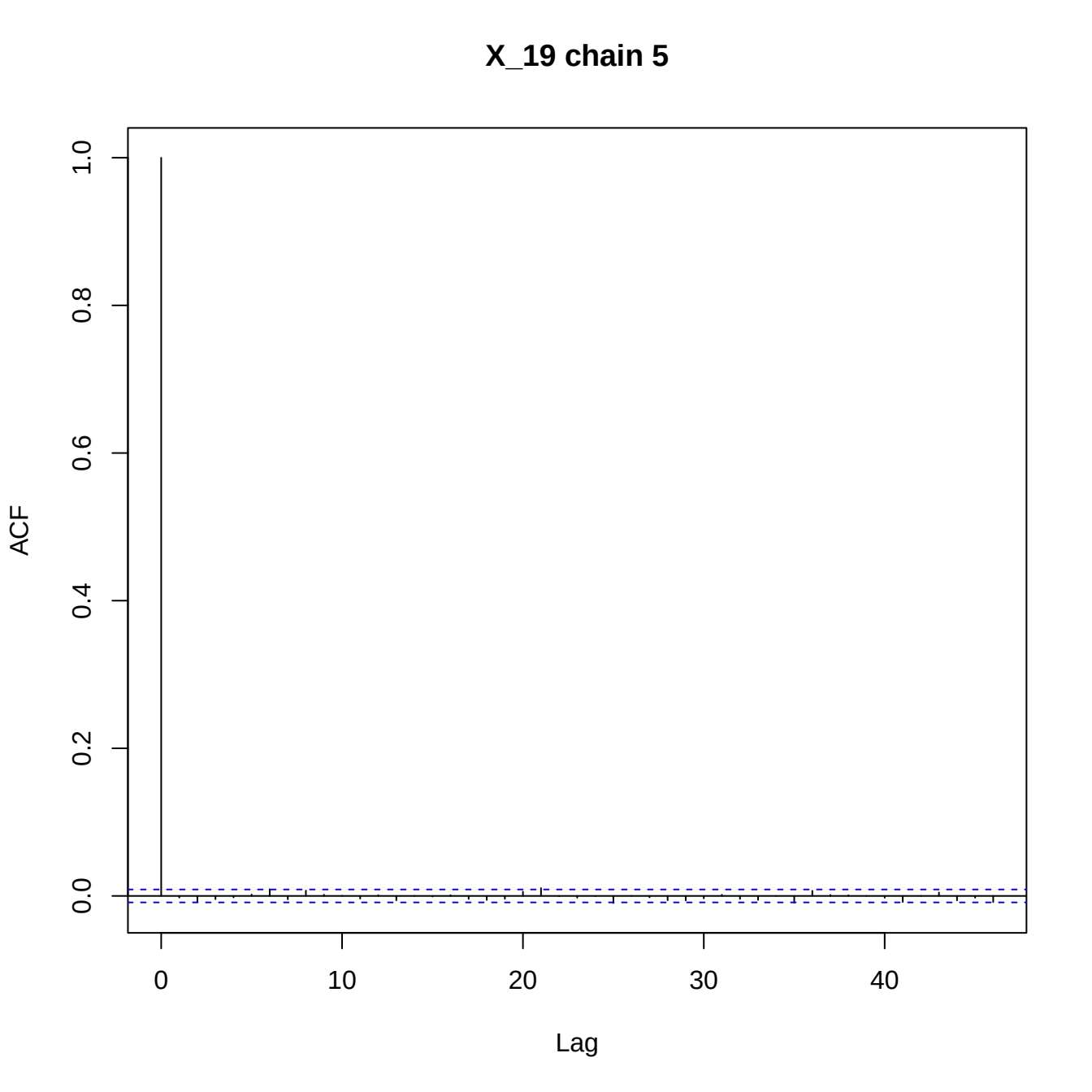

X_18 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

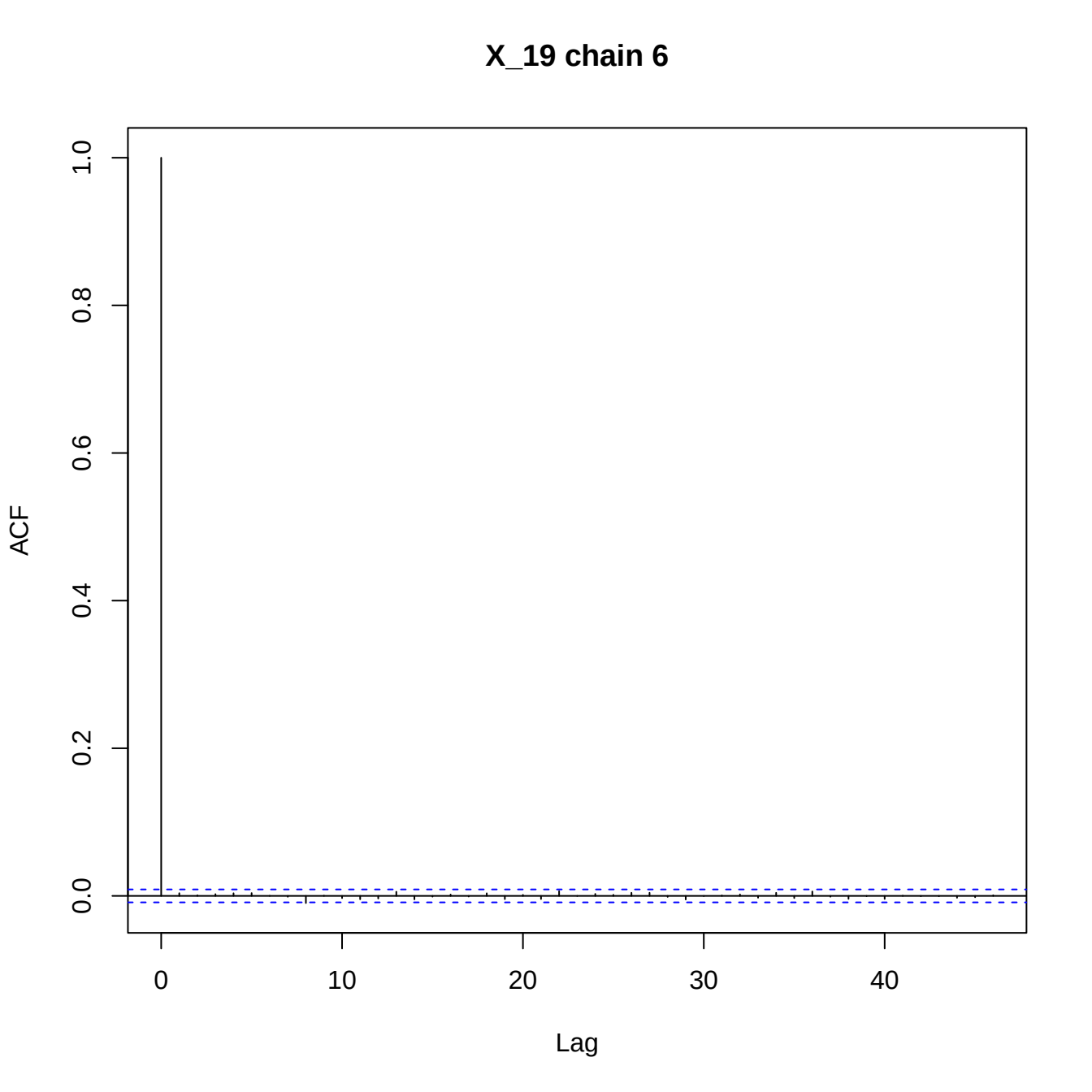

X_19 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

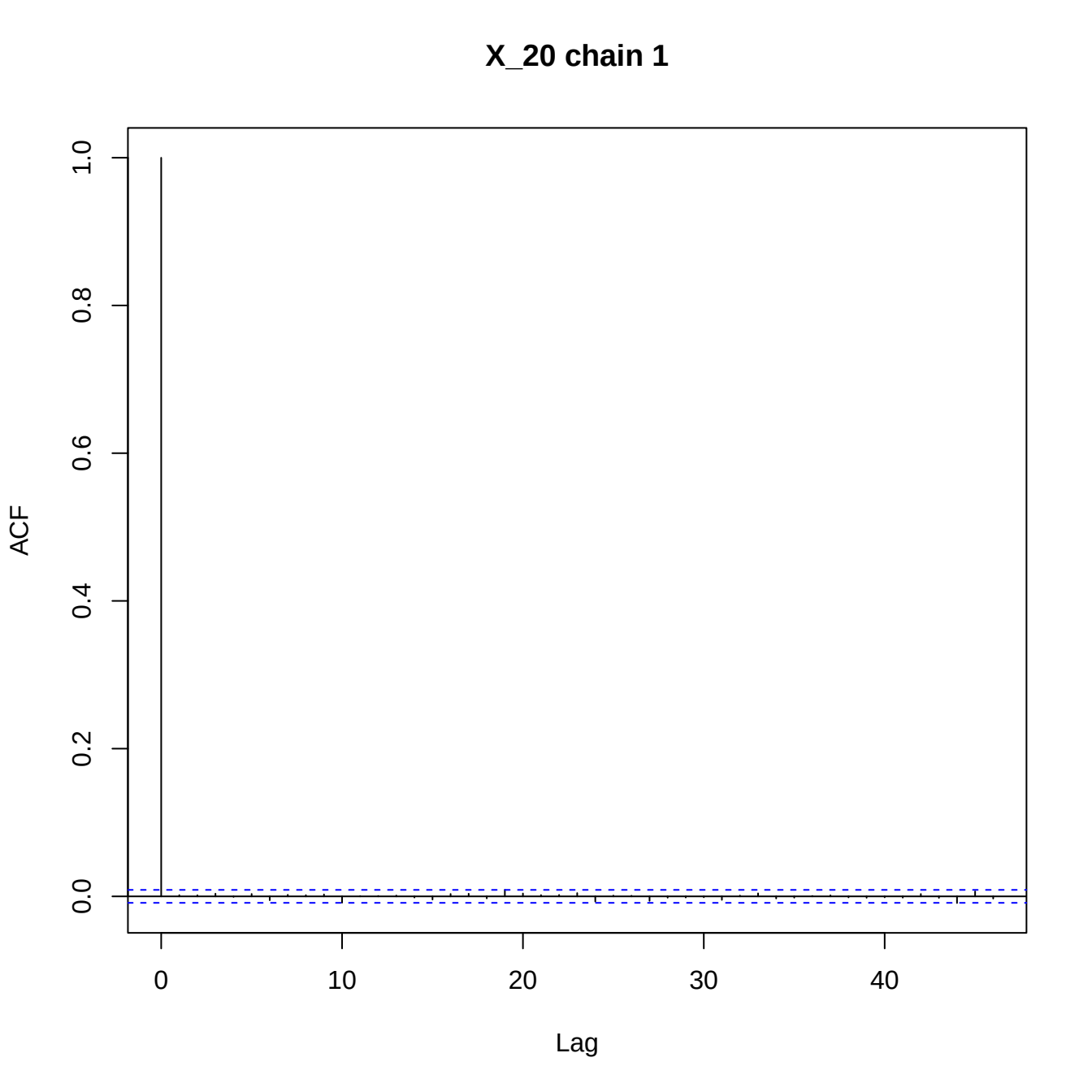

X_19 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

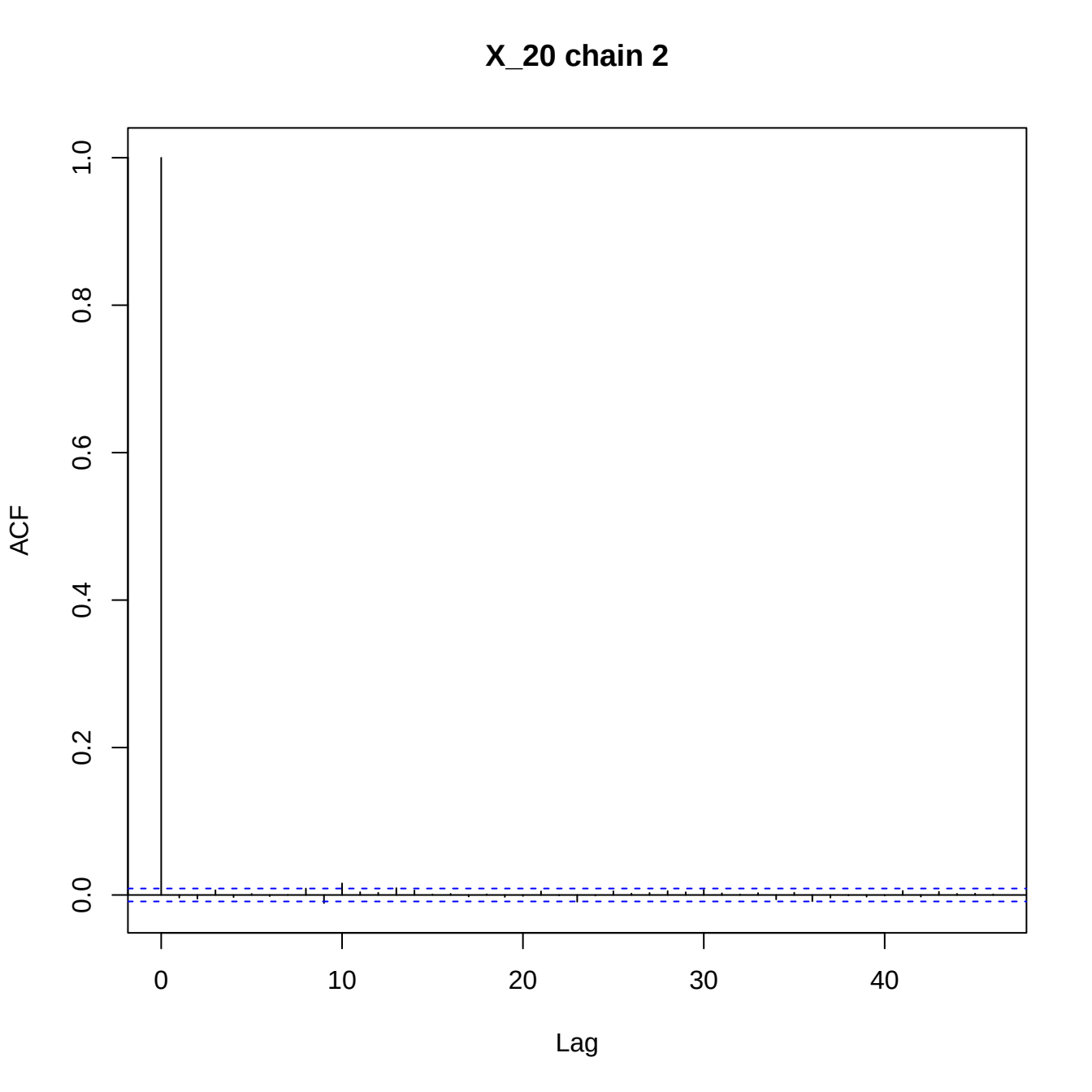

X_19 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

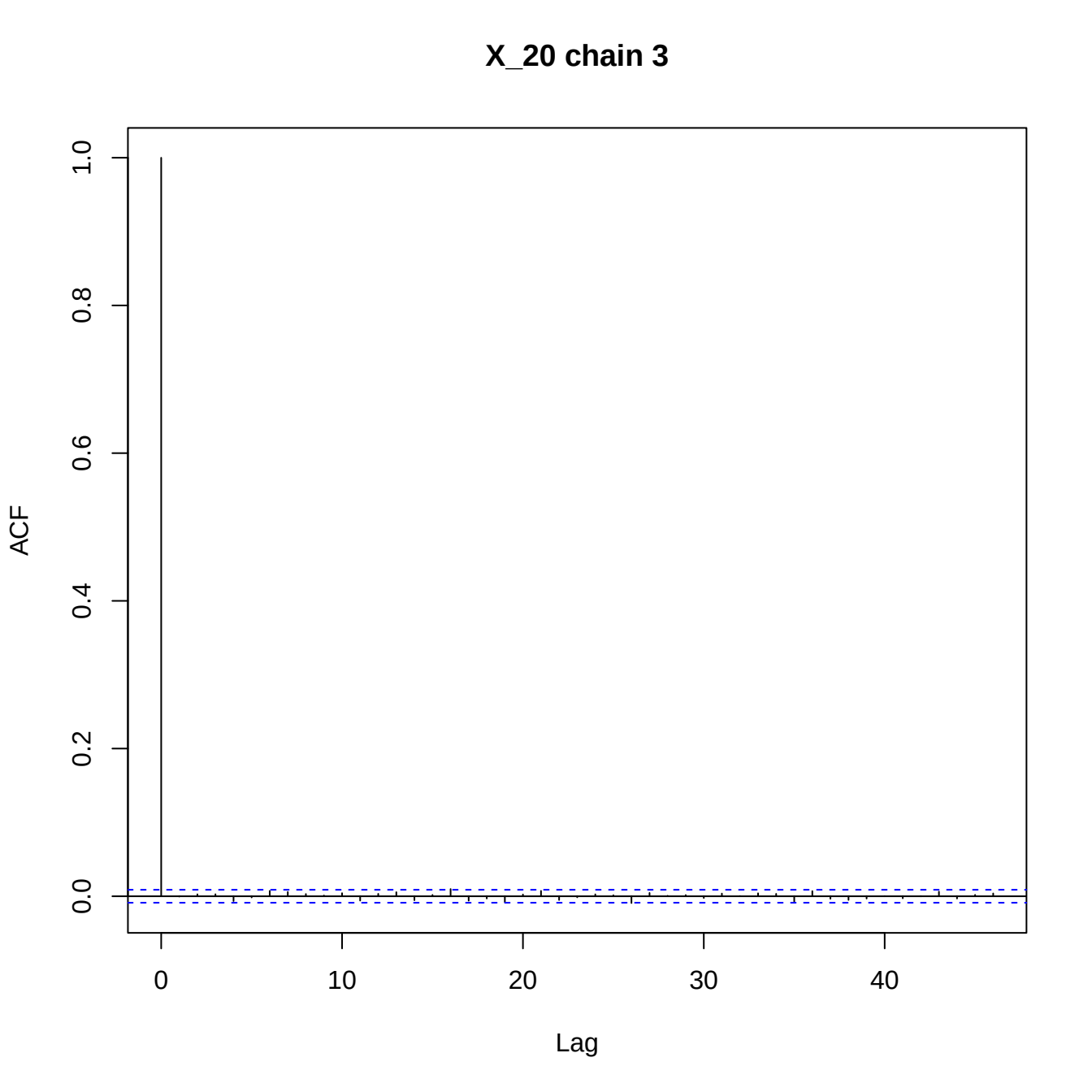

X_19 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

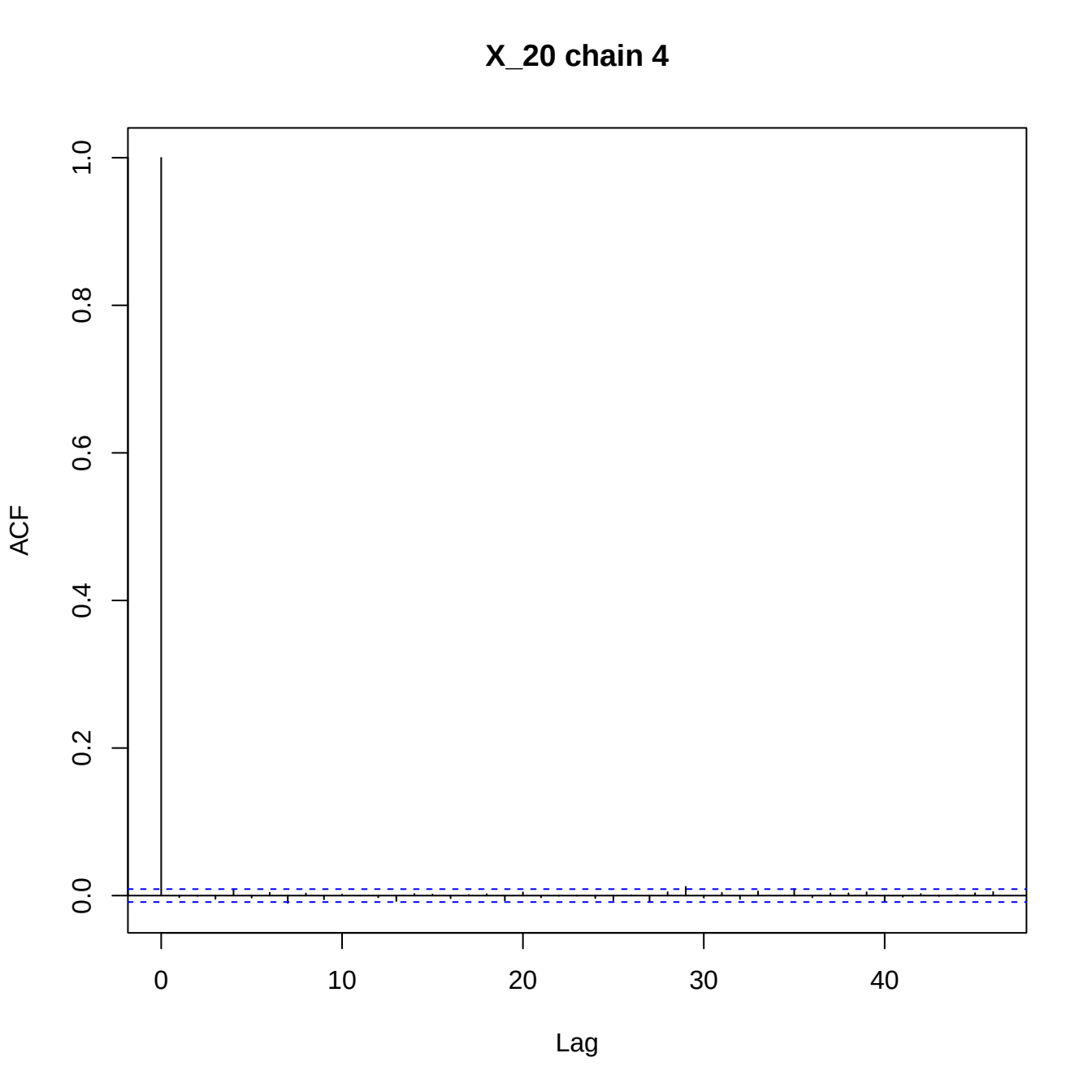

X_19 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

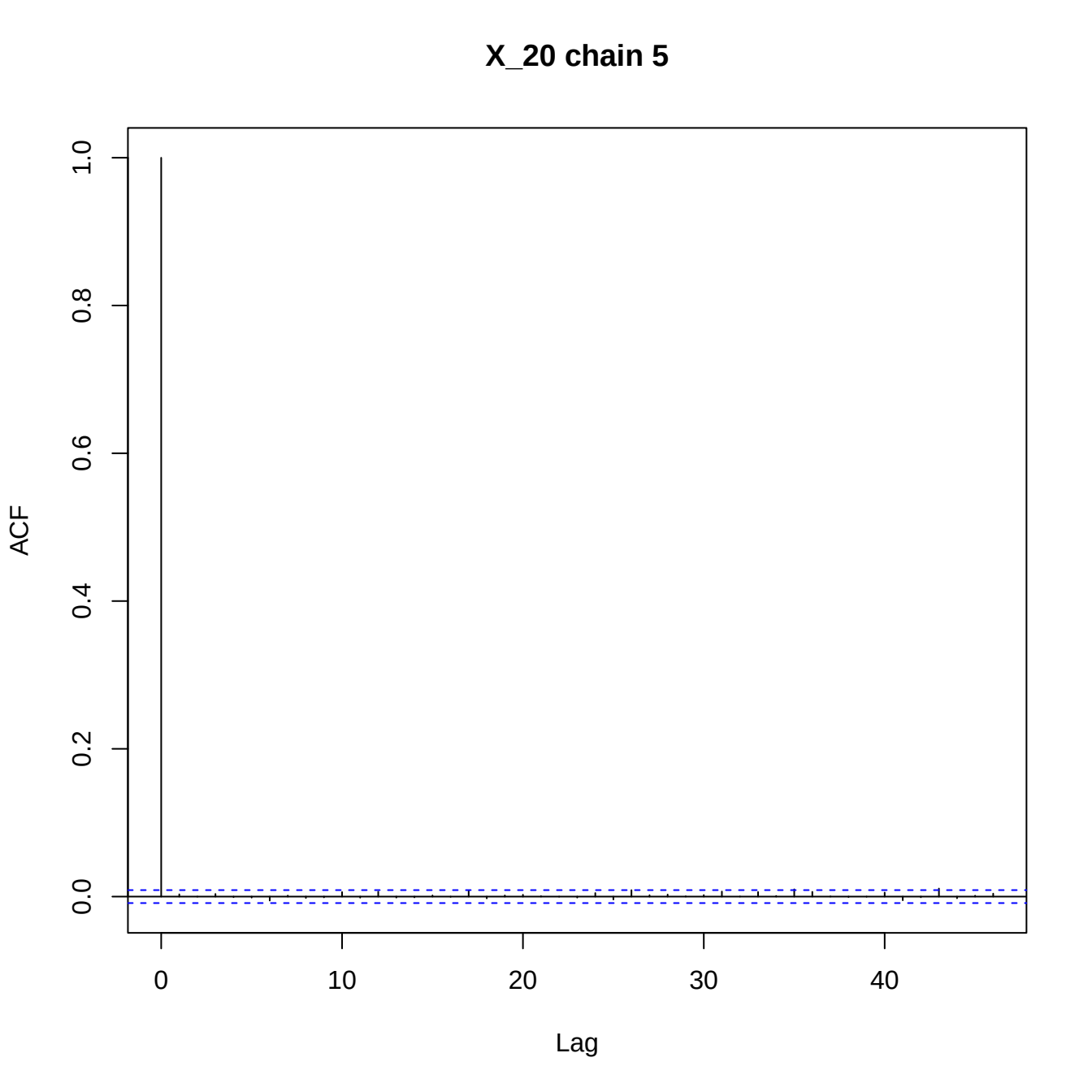

X_19 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

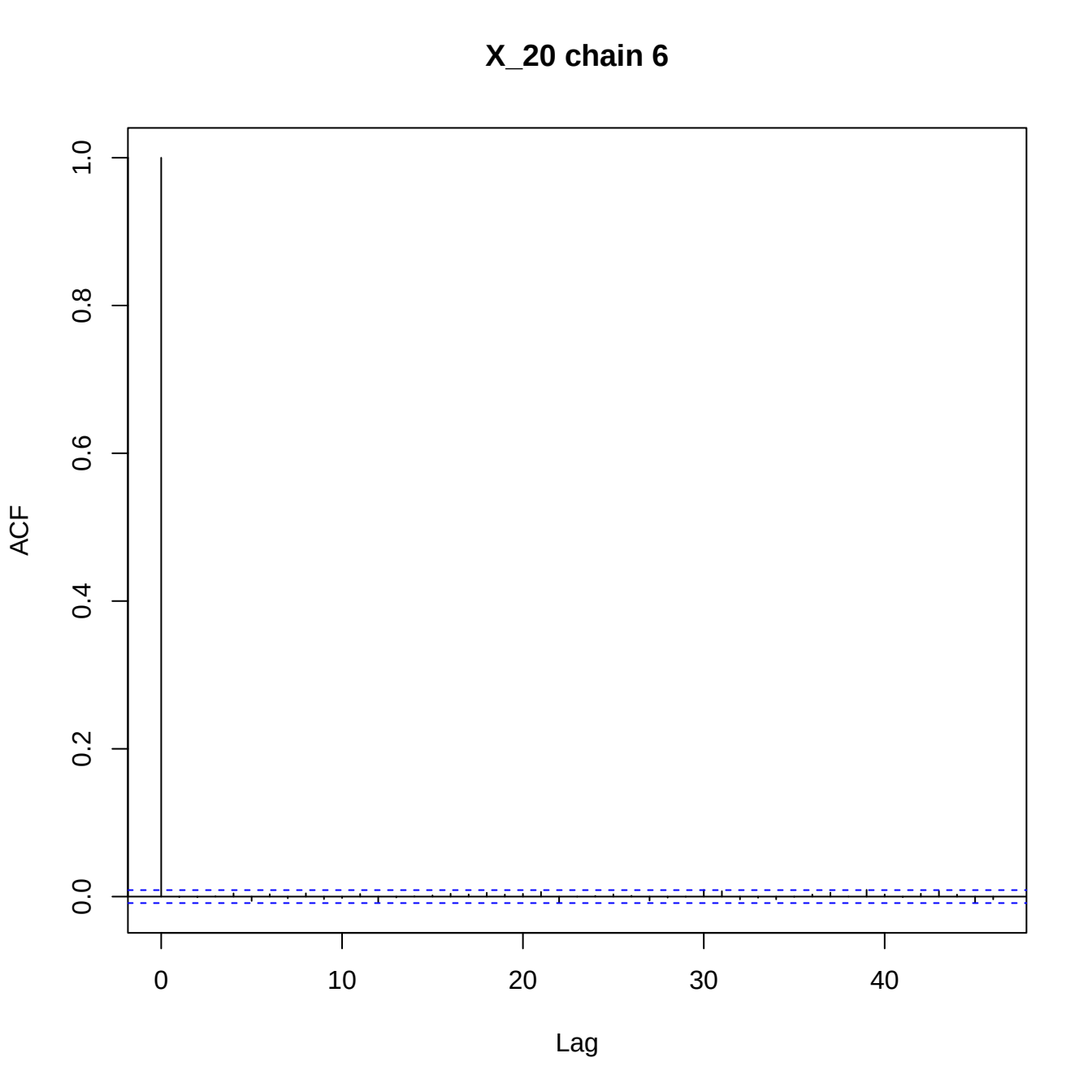

X_20 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

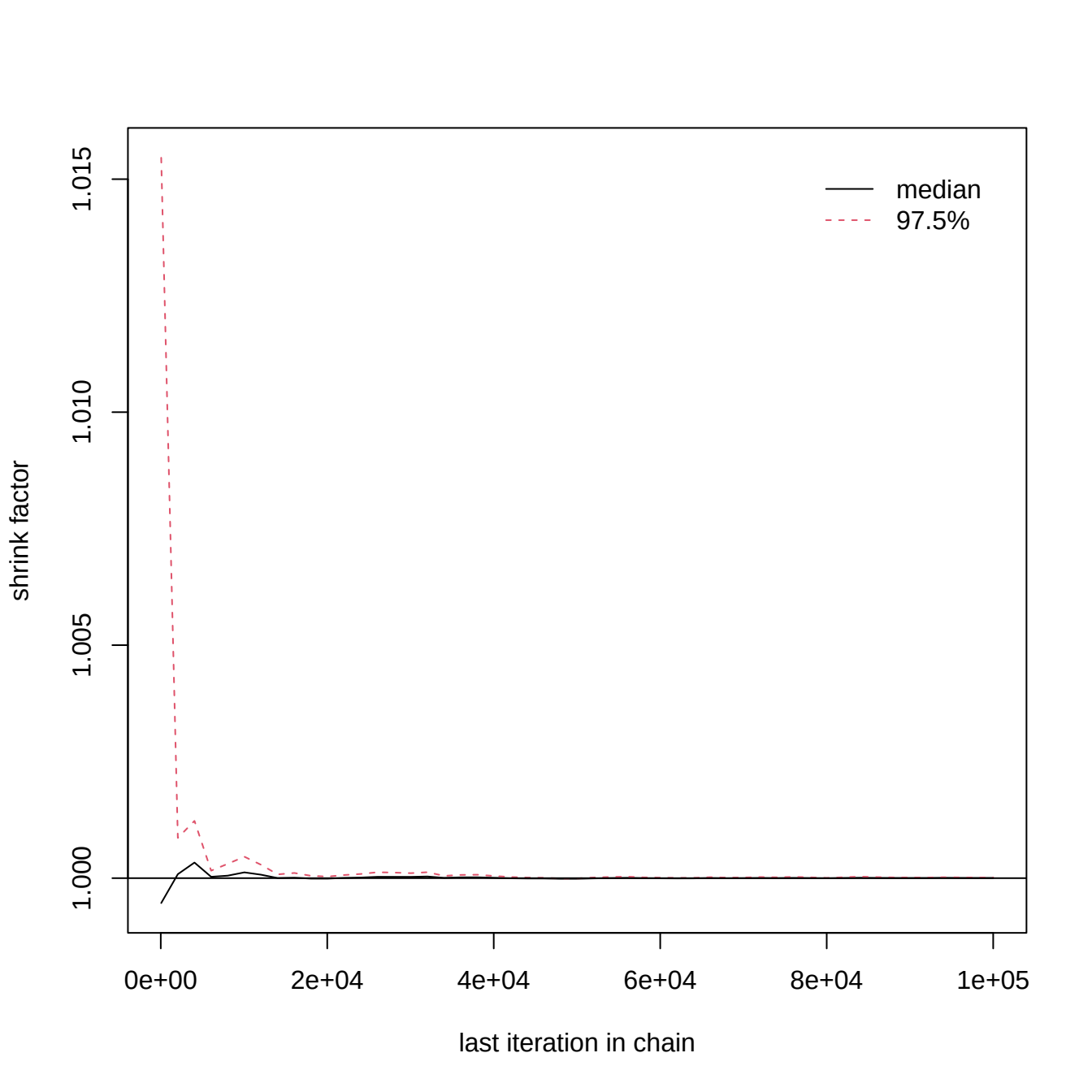

X_20 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

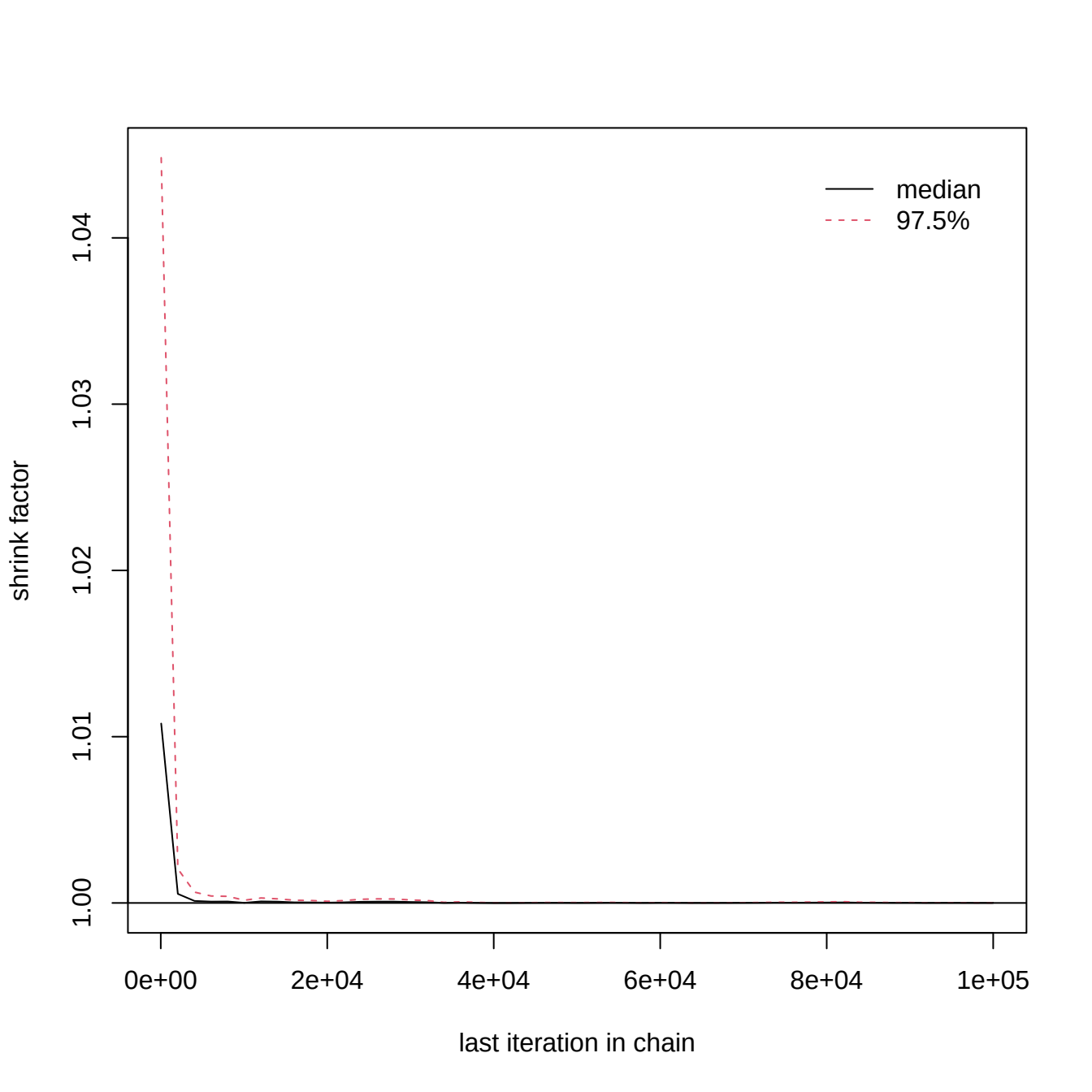

X_20 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

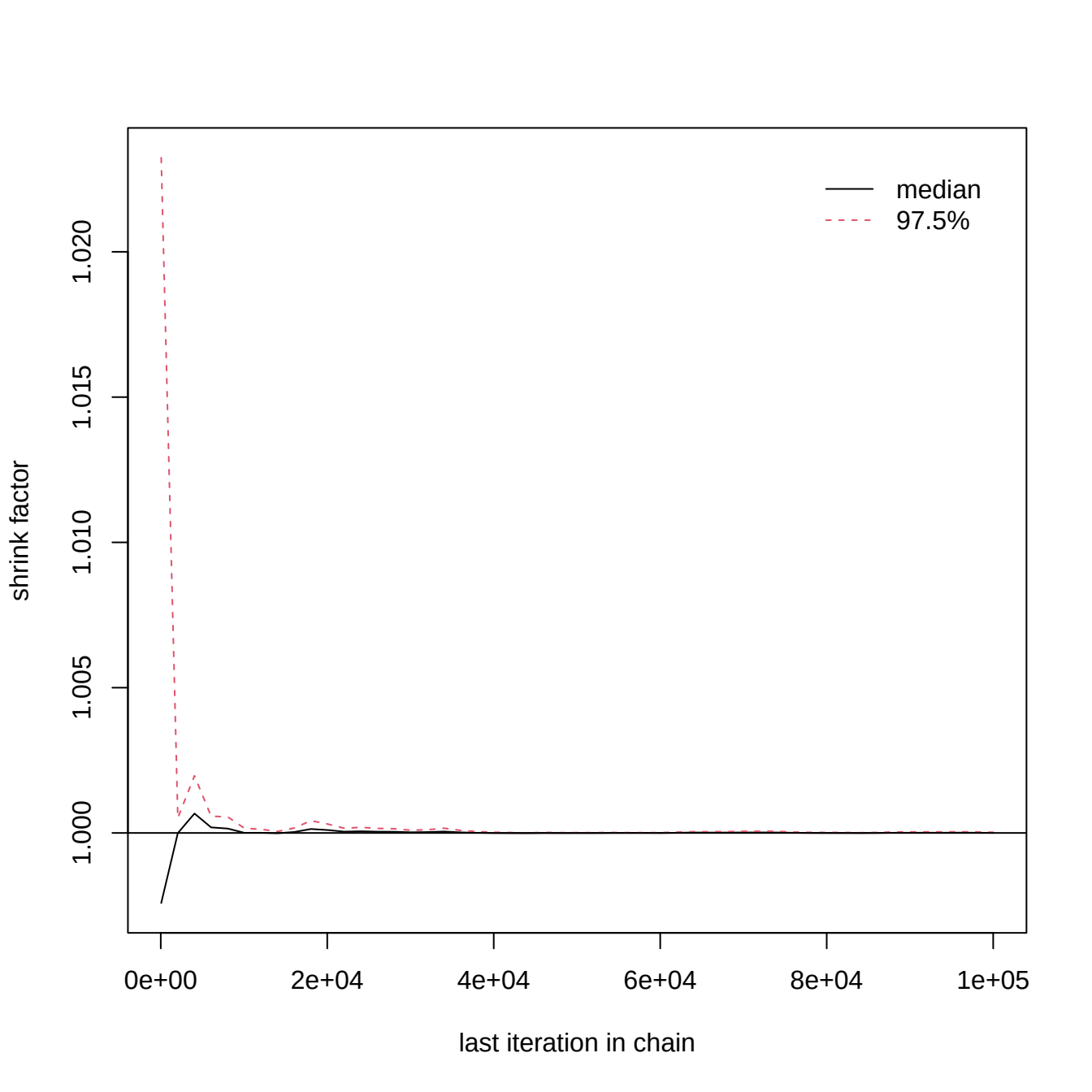

X_20 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

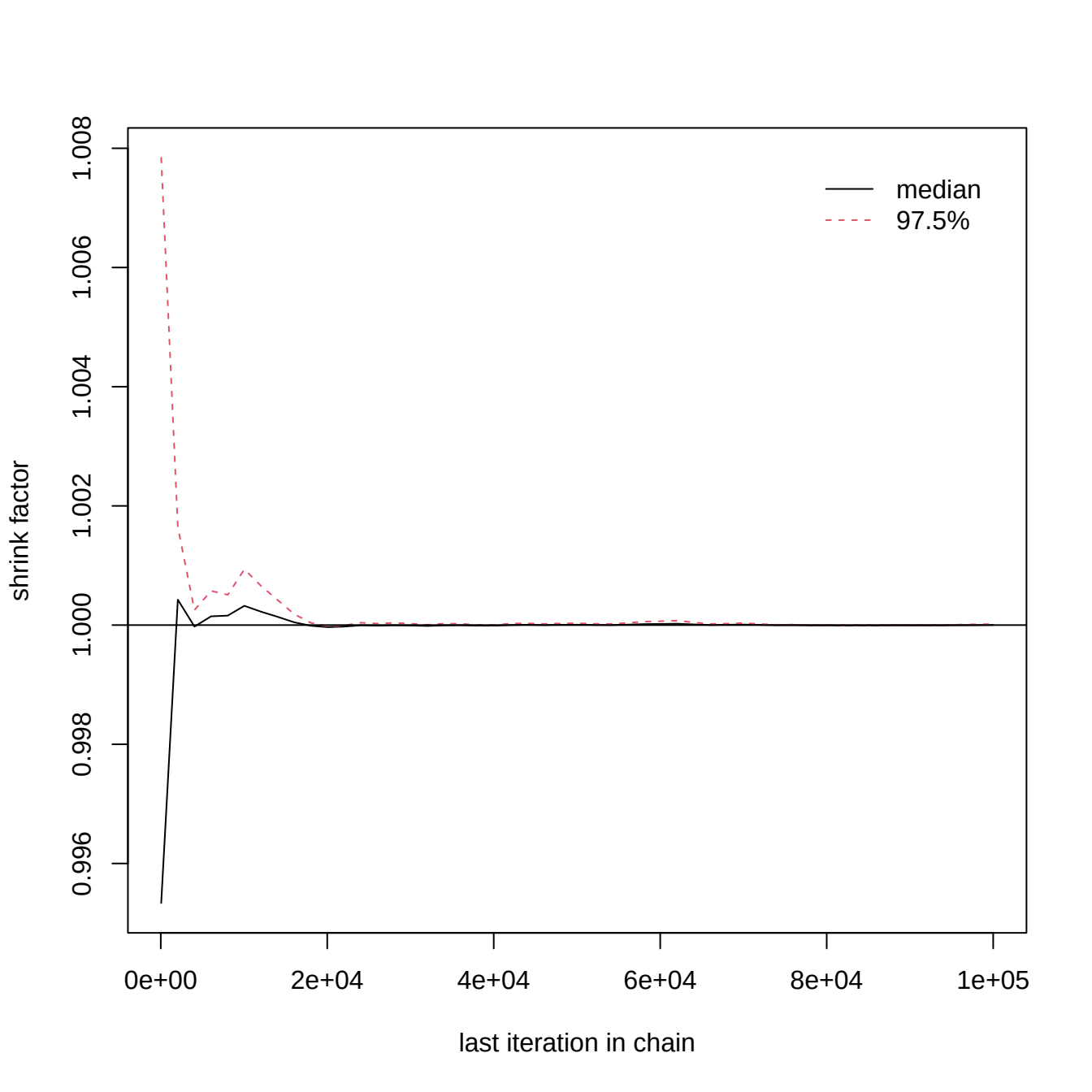

X_20 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

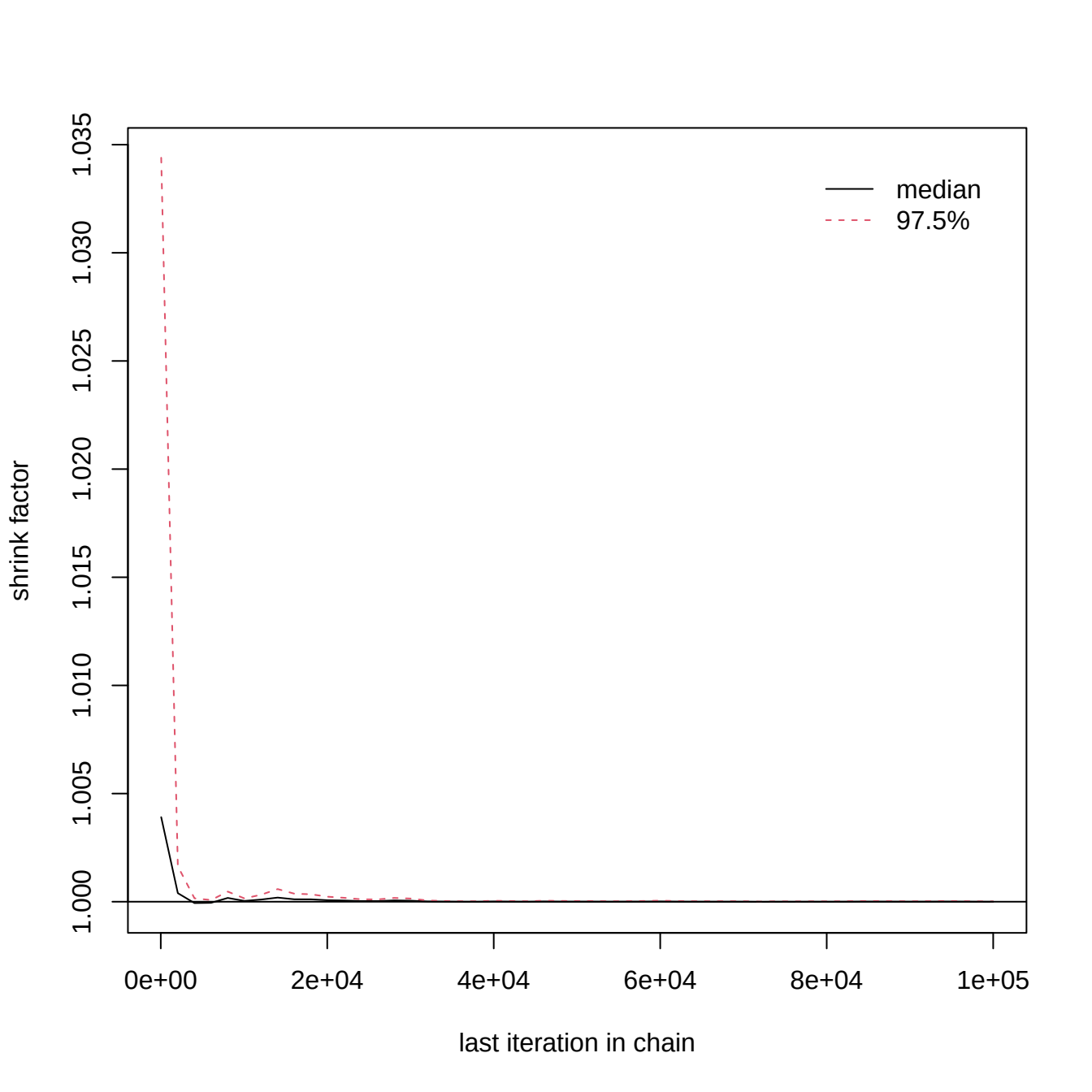

X_20 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
Lag

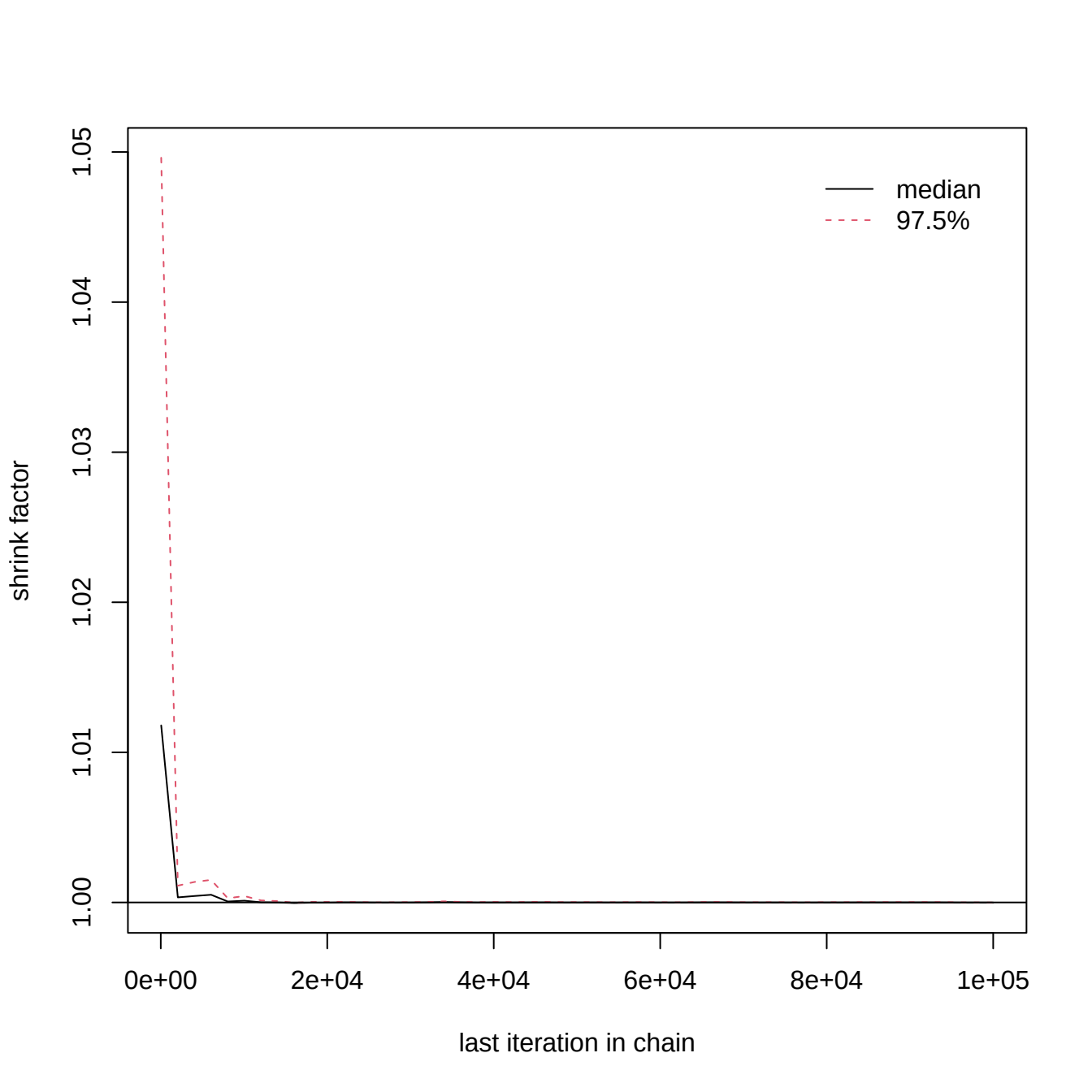

median
97.5%
shrink factor
1.000
1.005
1.010
1.015
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

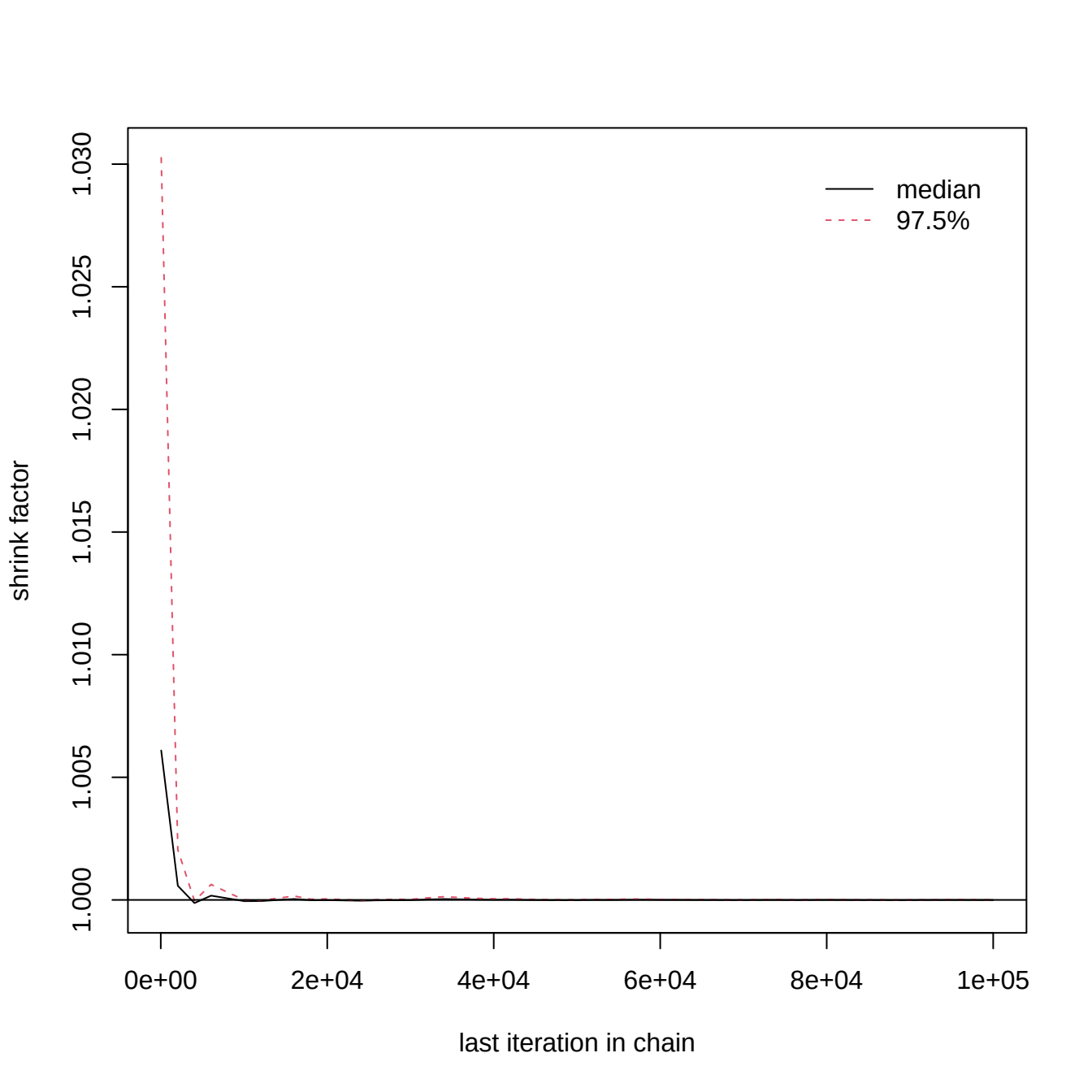

median
97.5%
shrink factor
1.00
1.01
1.02
1.03
1.04
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

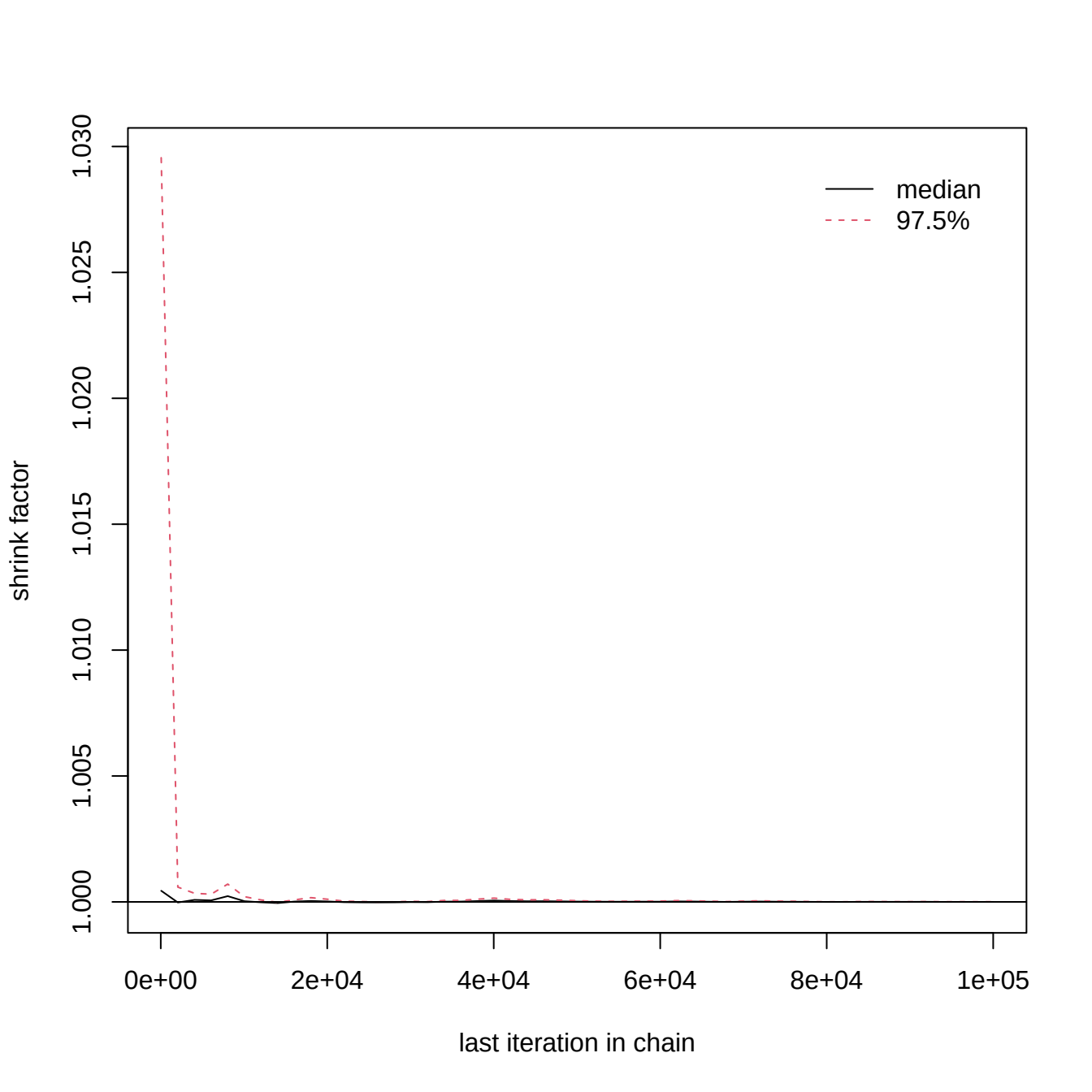

median
97.5%
shrink factor
1.000
1.005
1.010
1.015
1.020
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

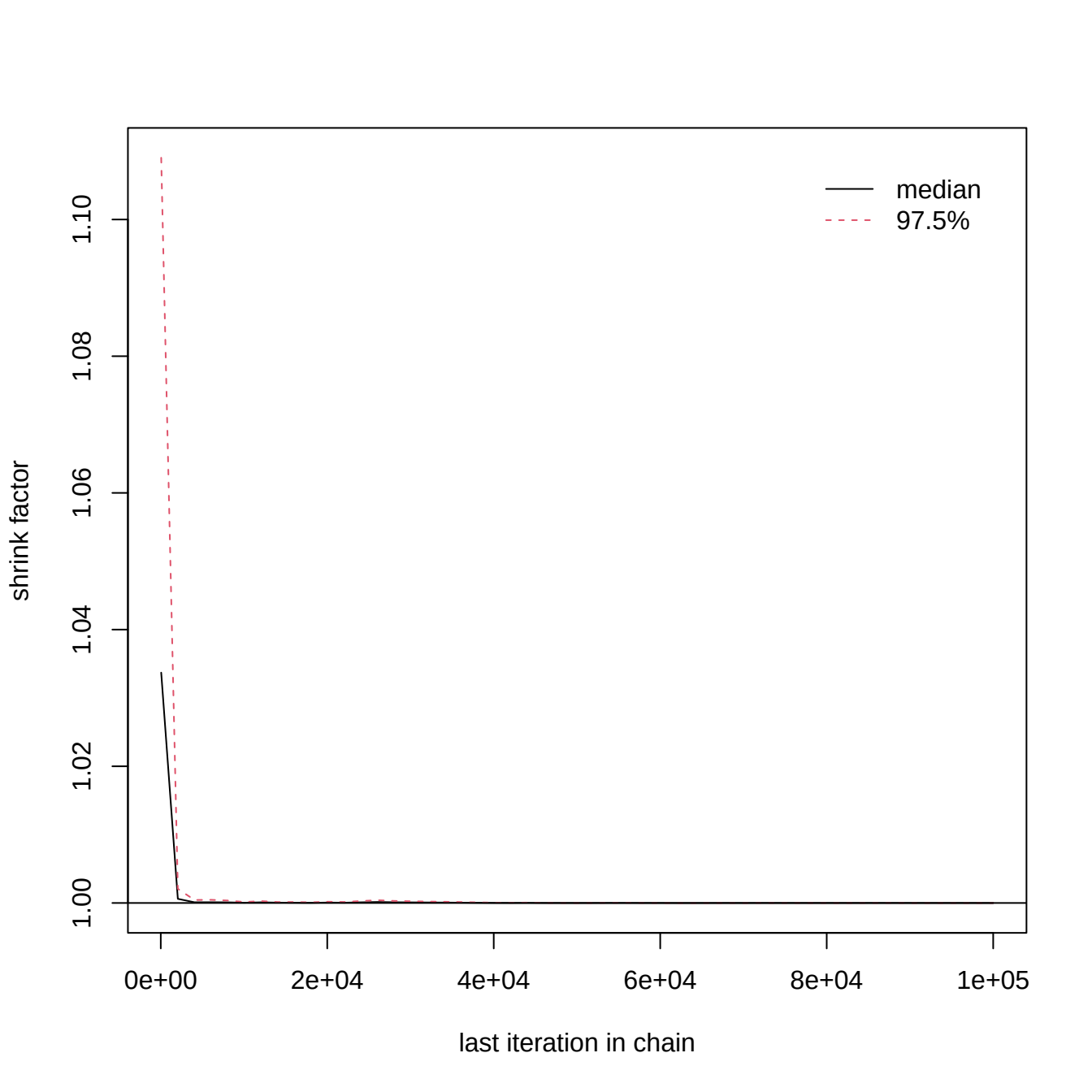

median
97.5%
shrink factor
1.008
1.006
1.004
1.002
1.000
0.998
0.996
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

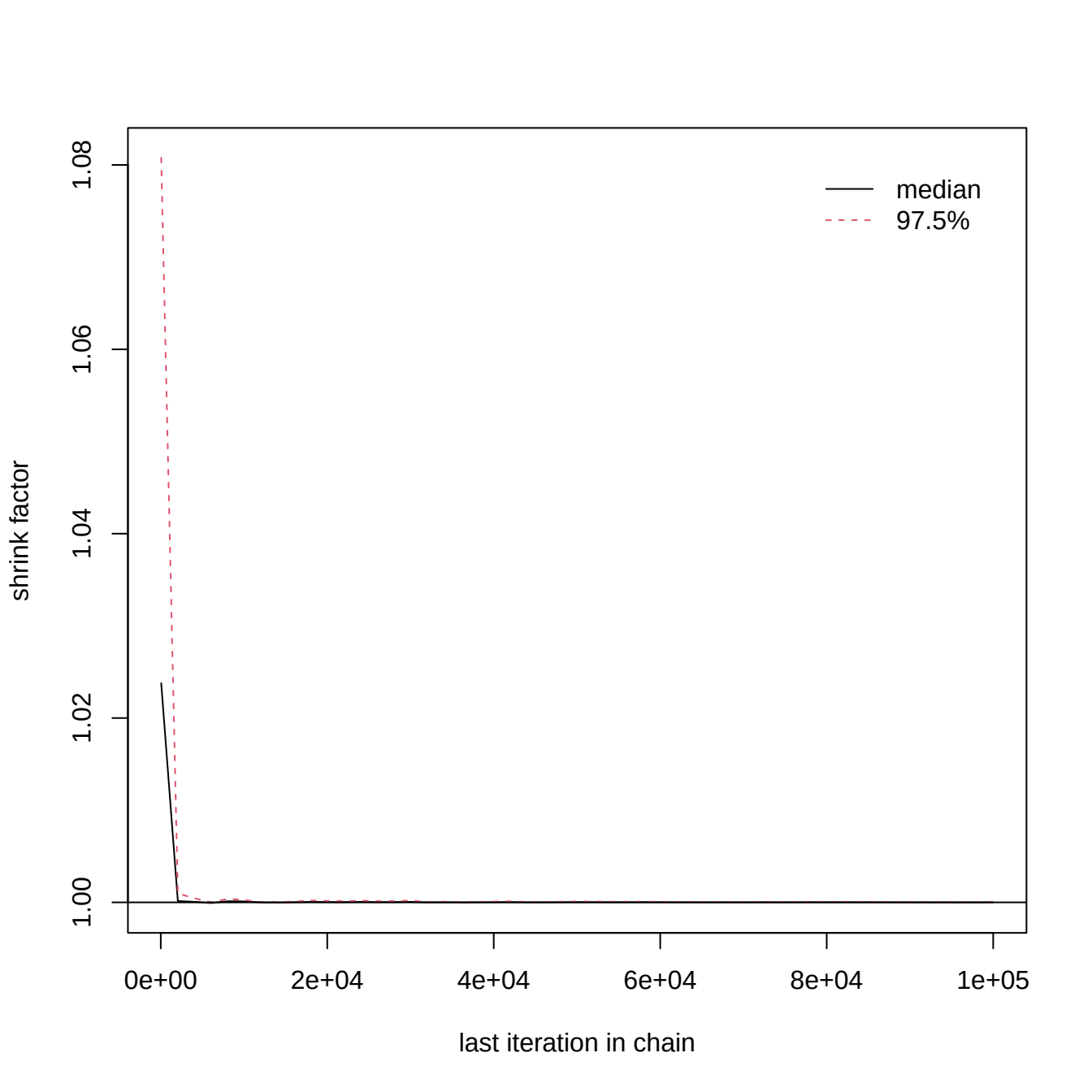

median
97.5%
shrink factor
1.000
1.005
1.010
1.015
1.020
1.025
1.030
1.035
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

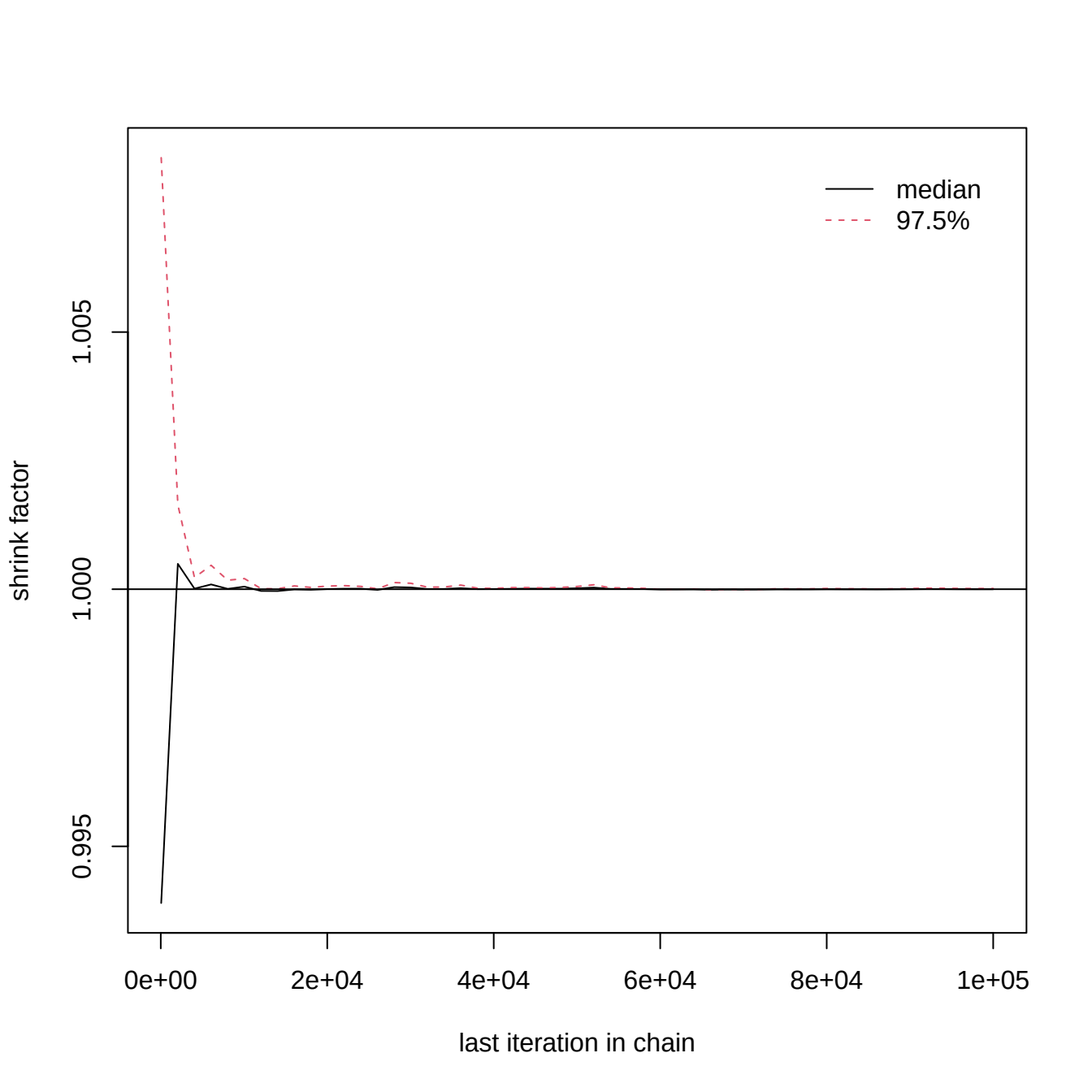

median
97.5%
shrink factor
1.00
1.01
1.02
1.03
1.04
1.05
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain

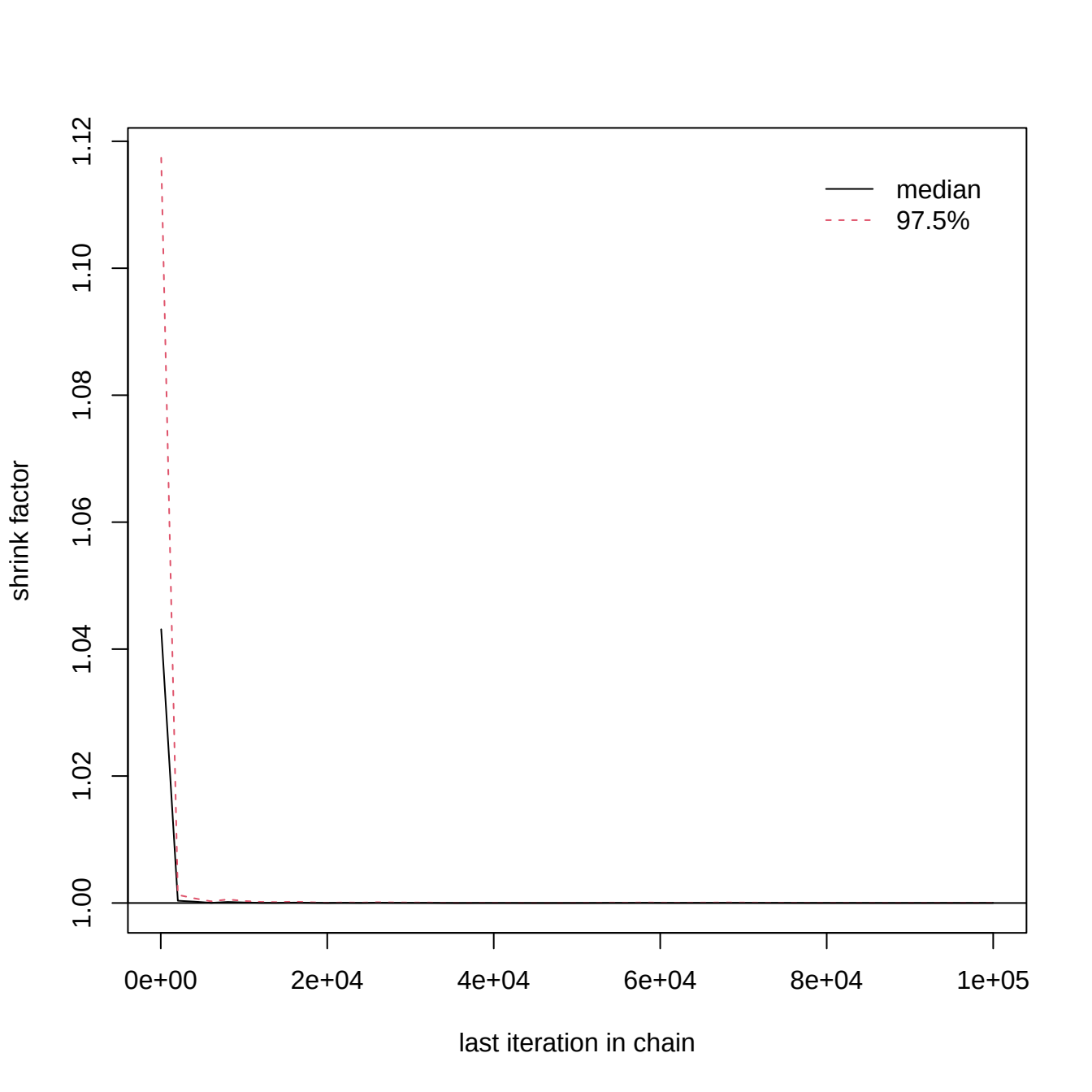

median
97.5%
shrink factor
1.000
1.005
1.010
1.015
1.020
1.025
1.030
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.000
1.005
1.010
1.015
1.020
1.025
1.030
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.02
1.04
1.06
1.08
1.10
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.02
1.04
1.06
1.08
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.005
1.000
0.995
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
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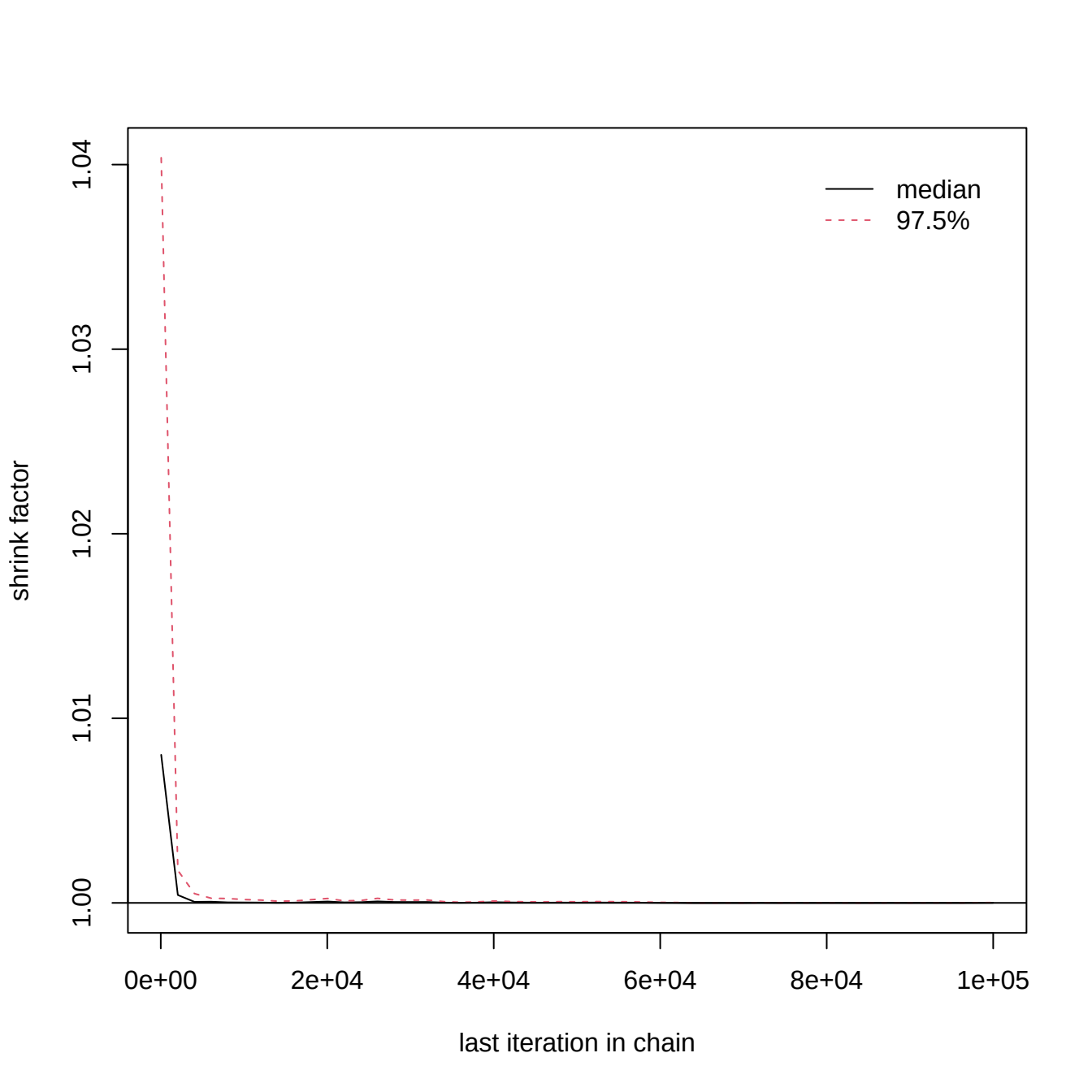
1.02
1.04
1.06
1.08
1.10
1.12
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
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1.01
1.02
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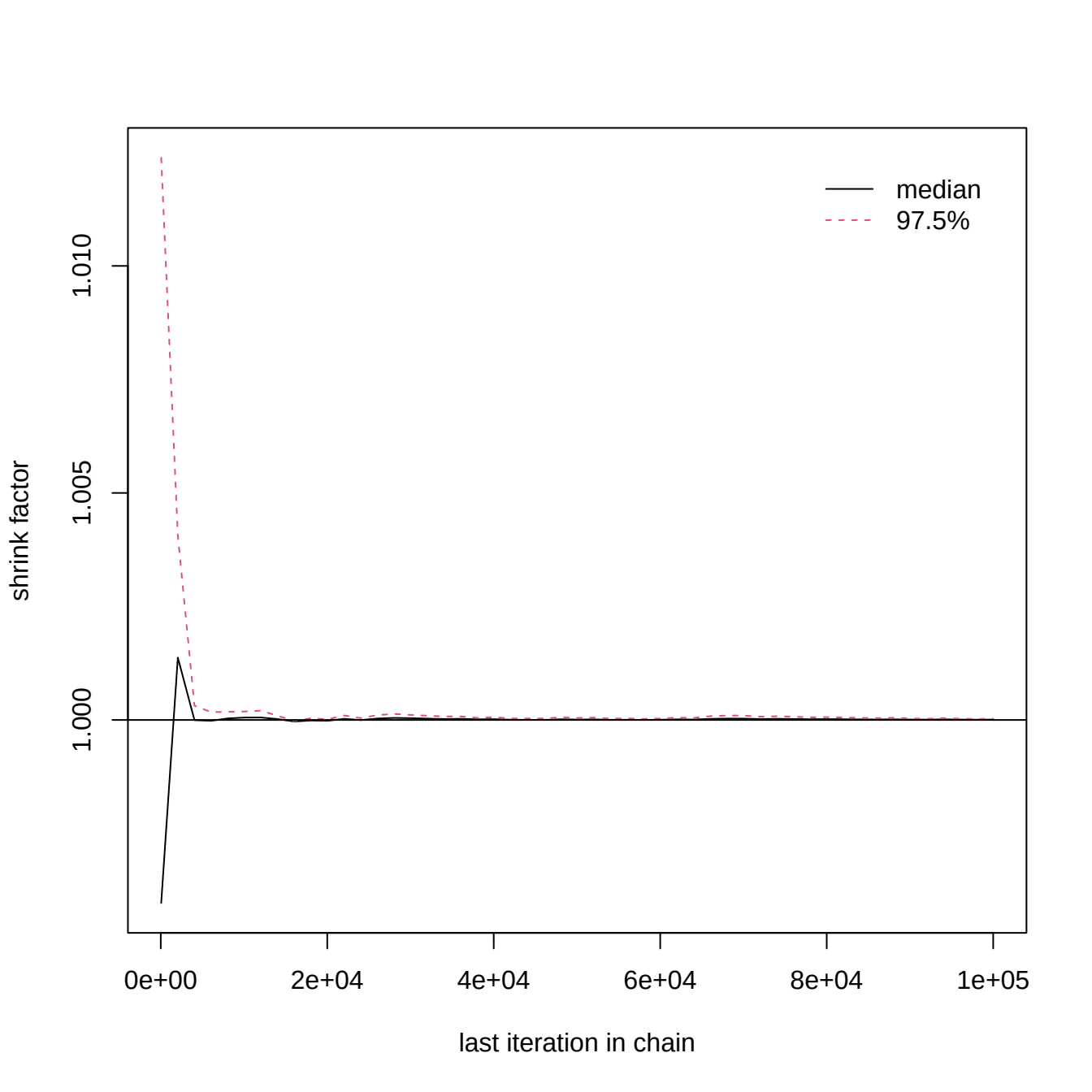
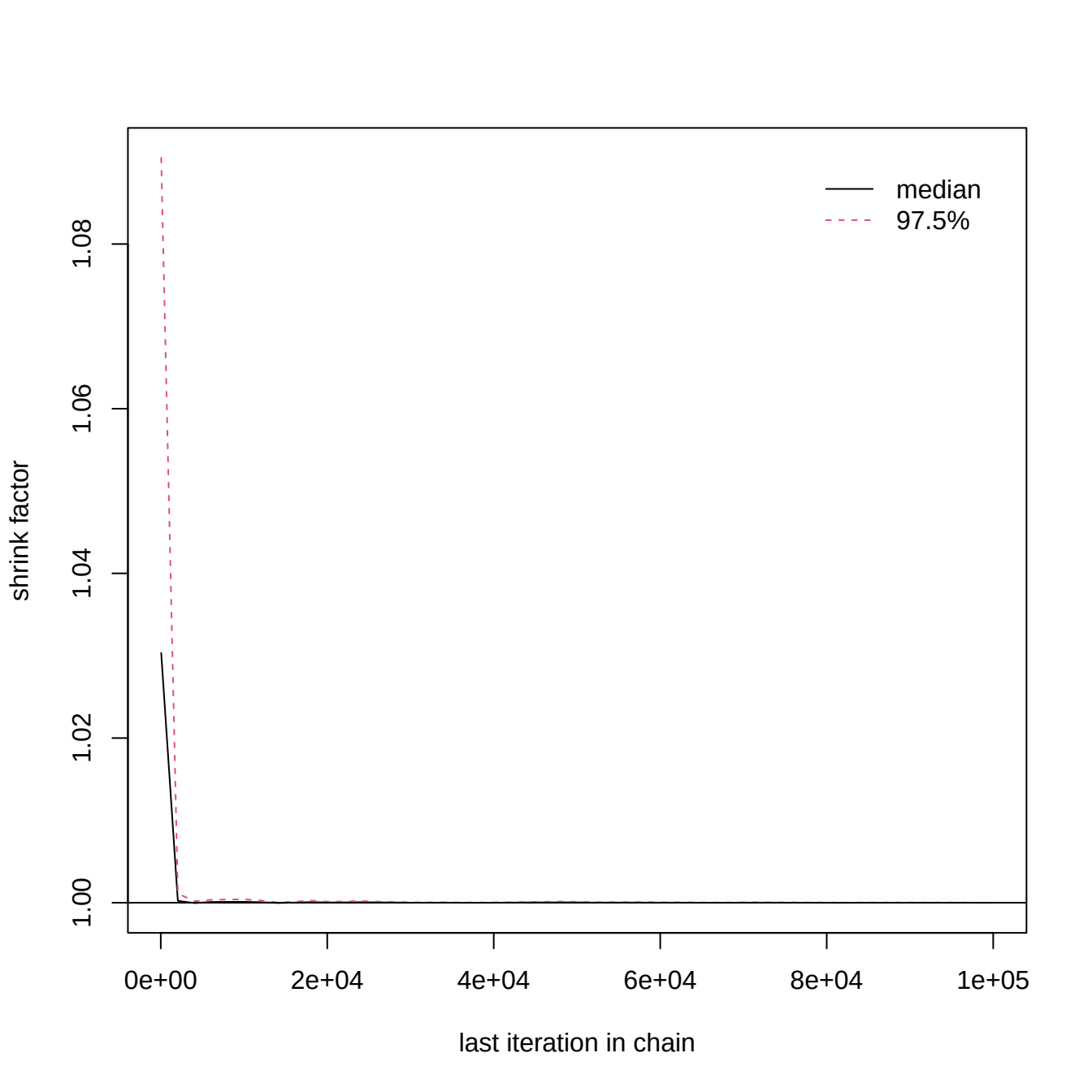
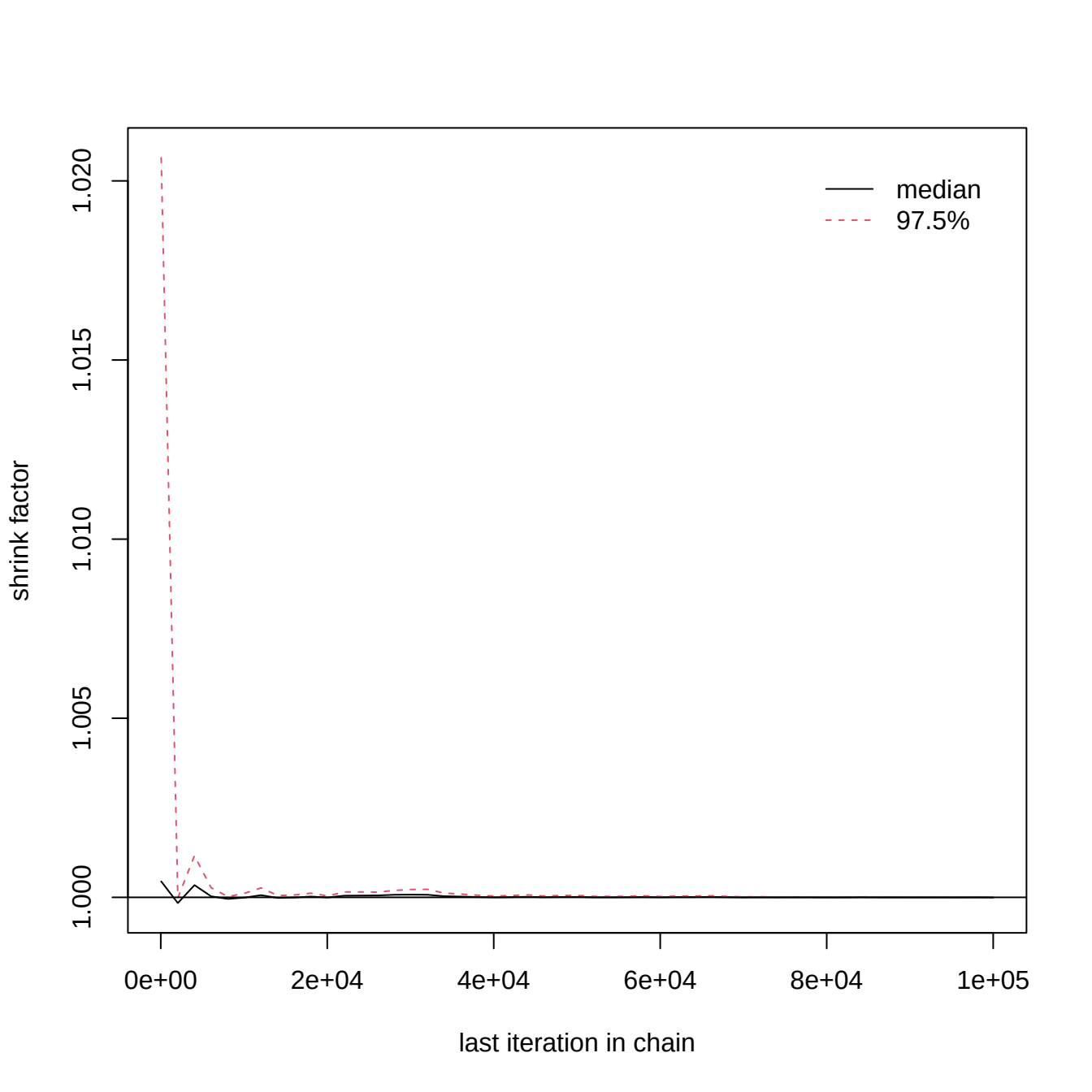
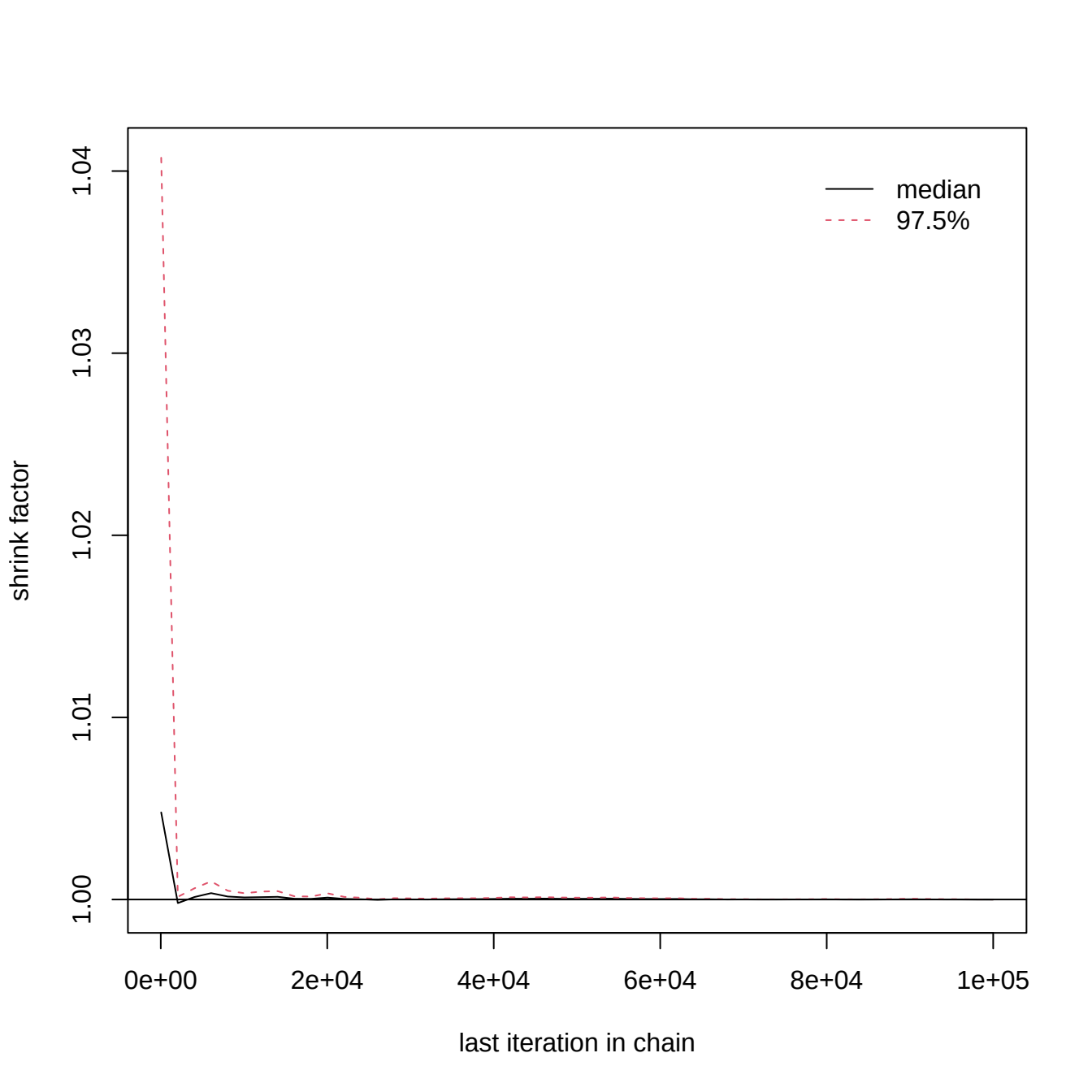
1.04
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.000
1.005
1.010
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.02
1.04
1.06
1.08
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.000
1.005
1.010
1.015
1.020
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.01
1.02
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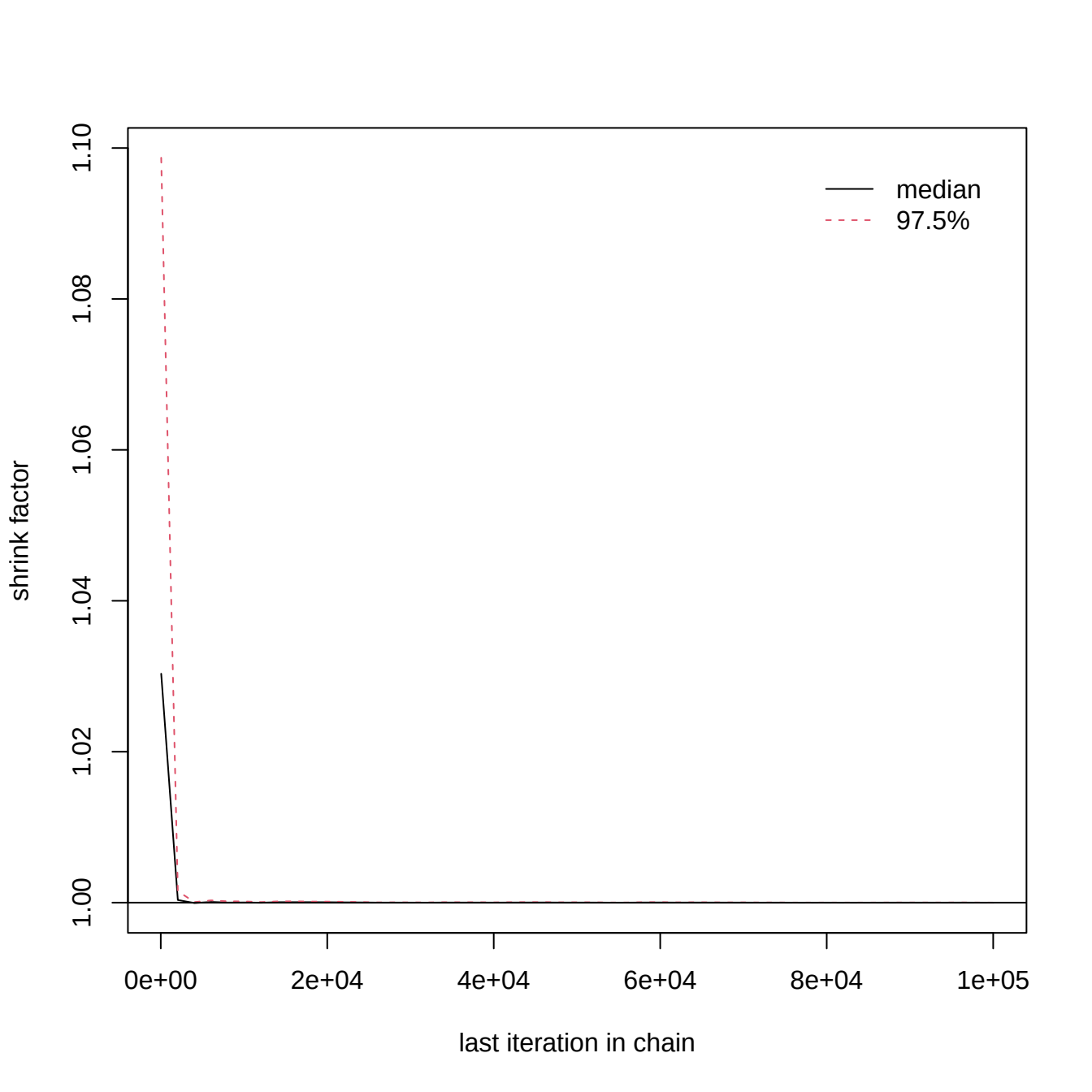
1.04
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.02
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1.10
0e+00
2e+04
4e+04
6e+04
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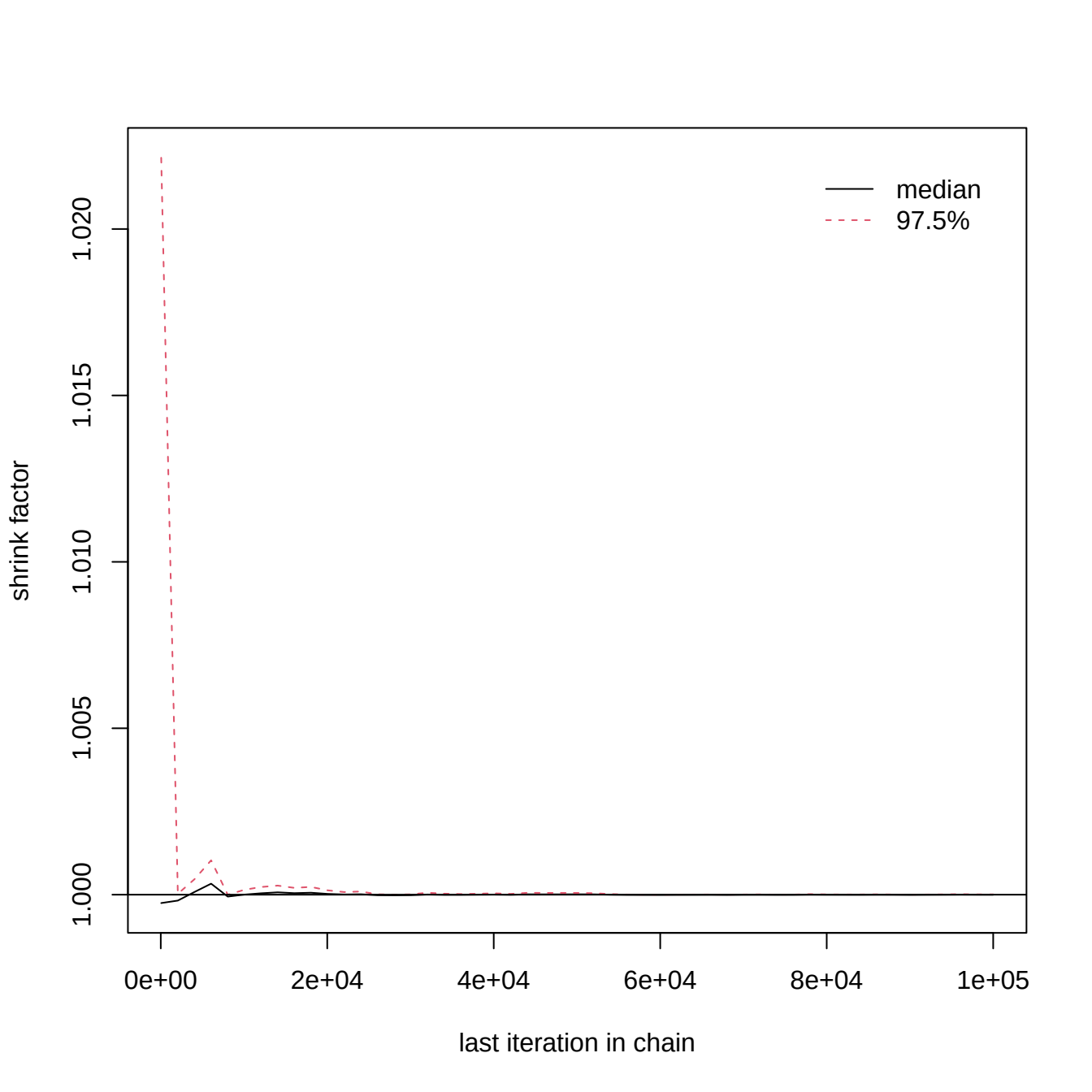
1e+05
last iteration in chain


median
97.5%
shrink factor
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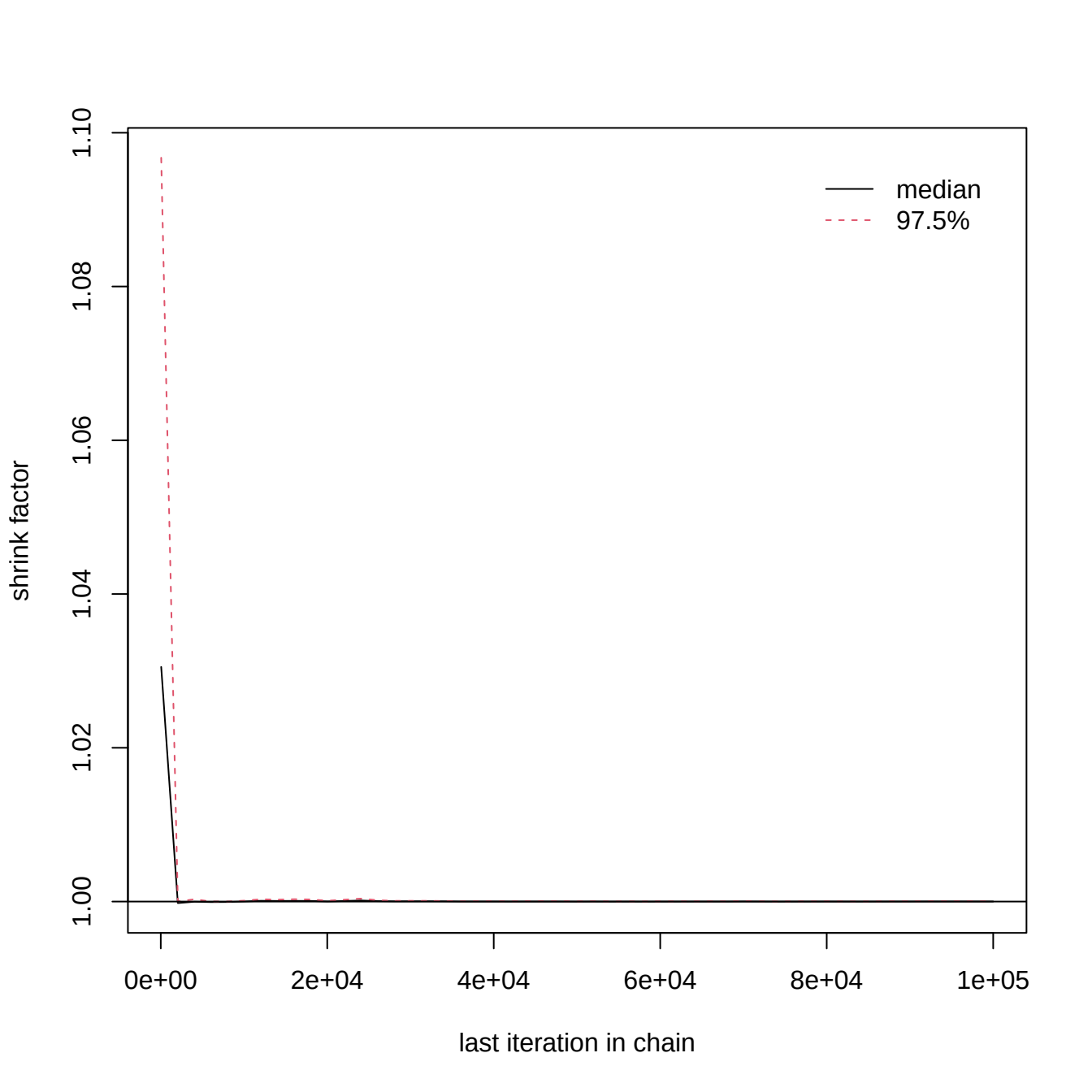
1.005
1.010
1.015
1.020
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain


median
97.5%
shrink factor
1.00
1.02
1.04
1.06
1.08
1.10
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
last iteration in chain