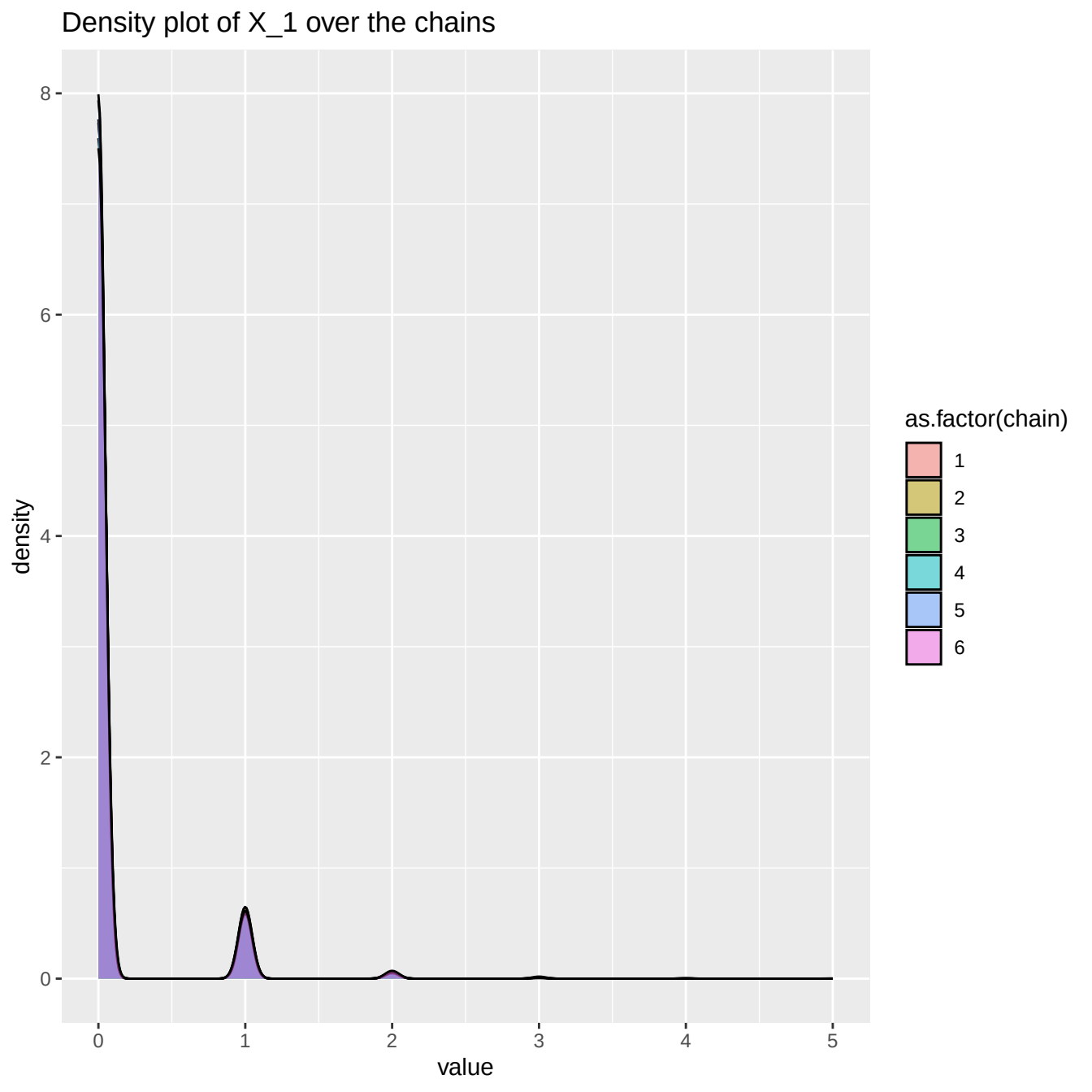
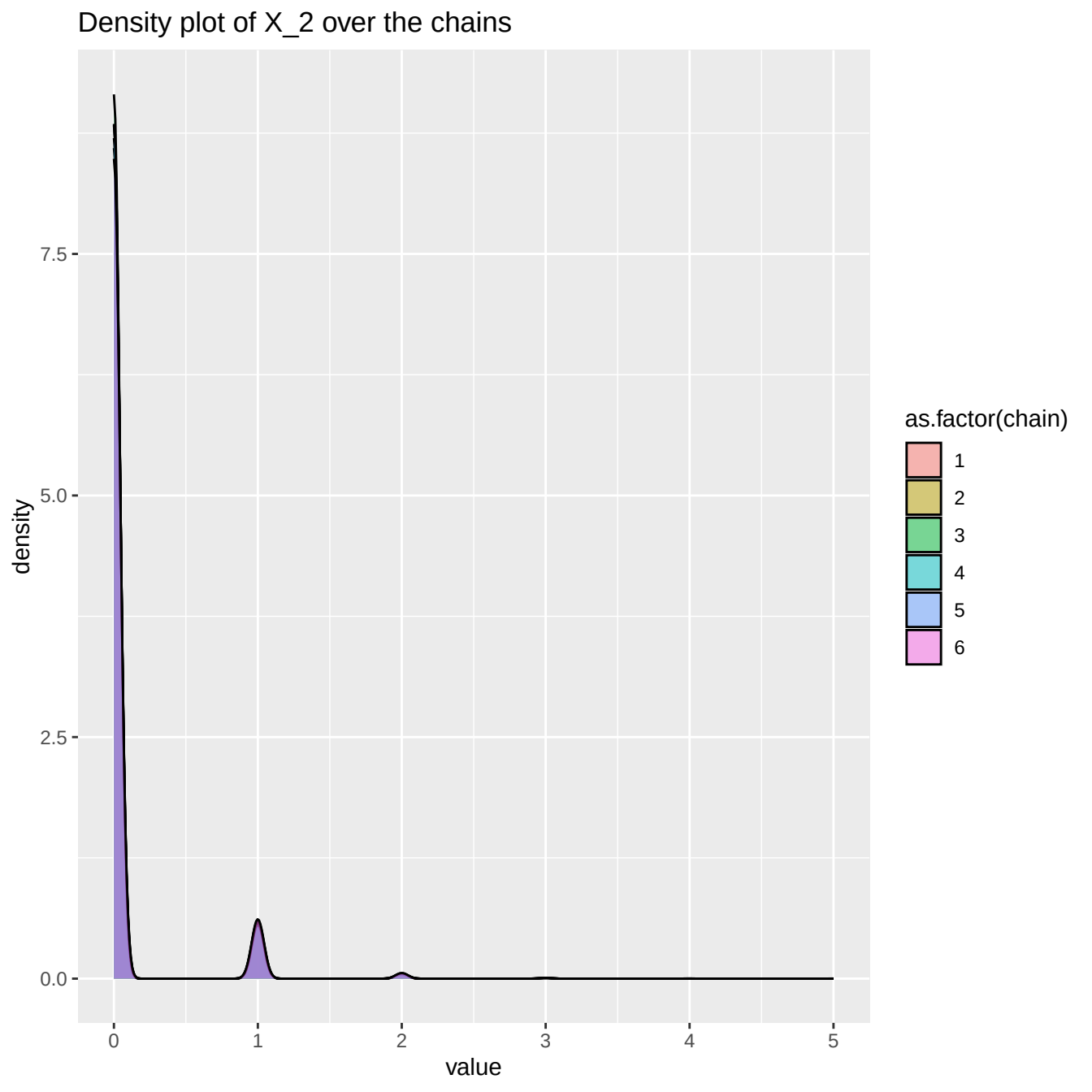
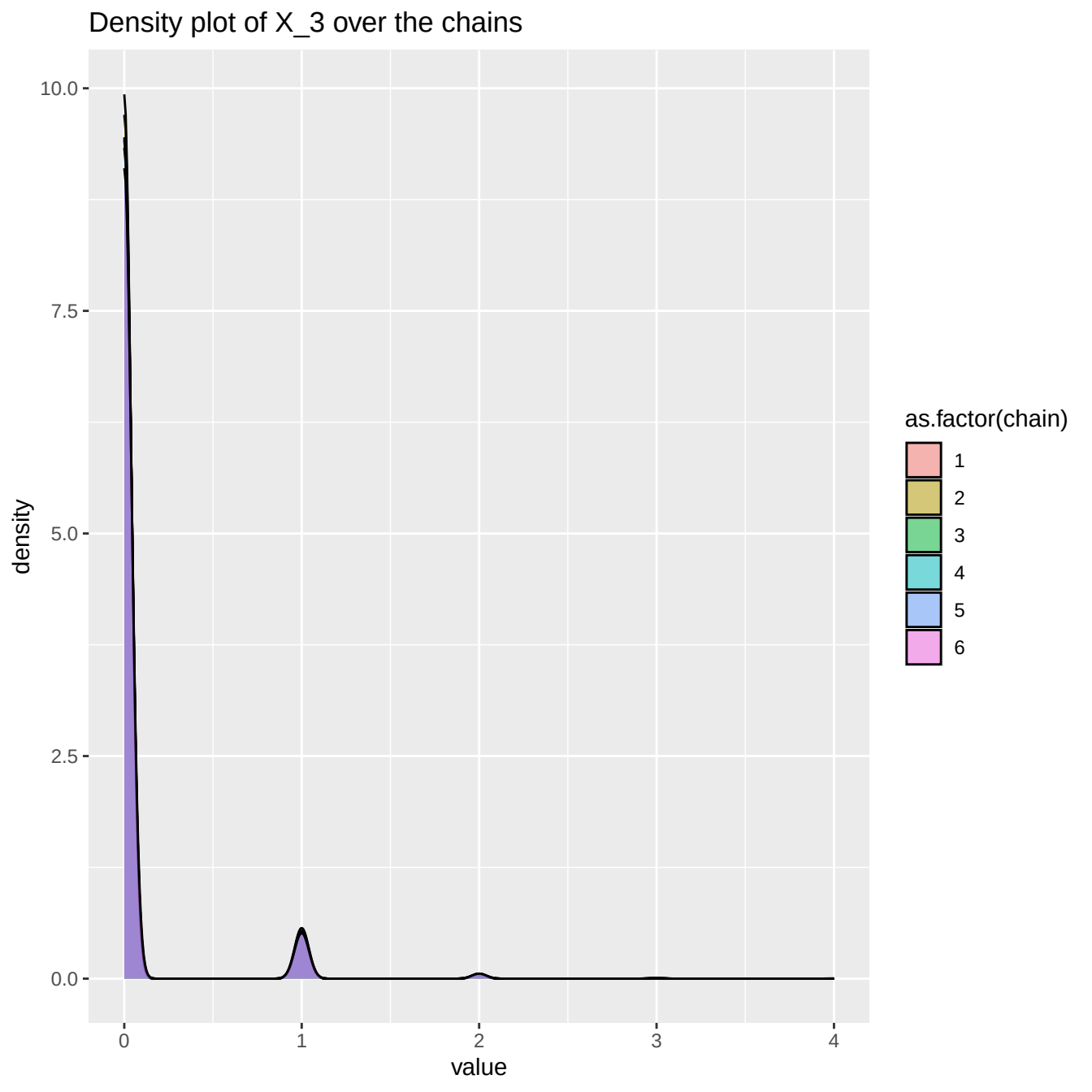
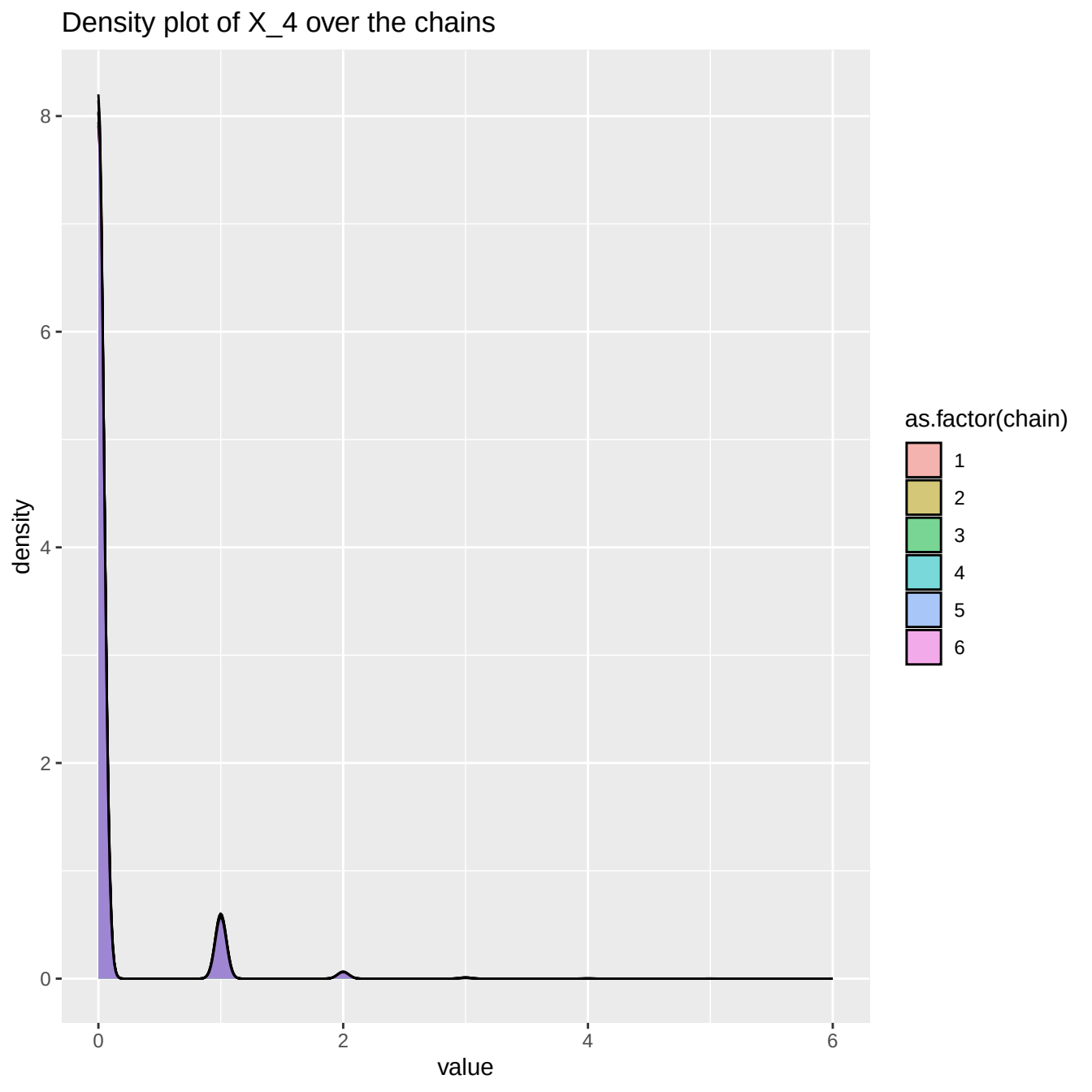
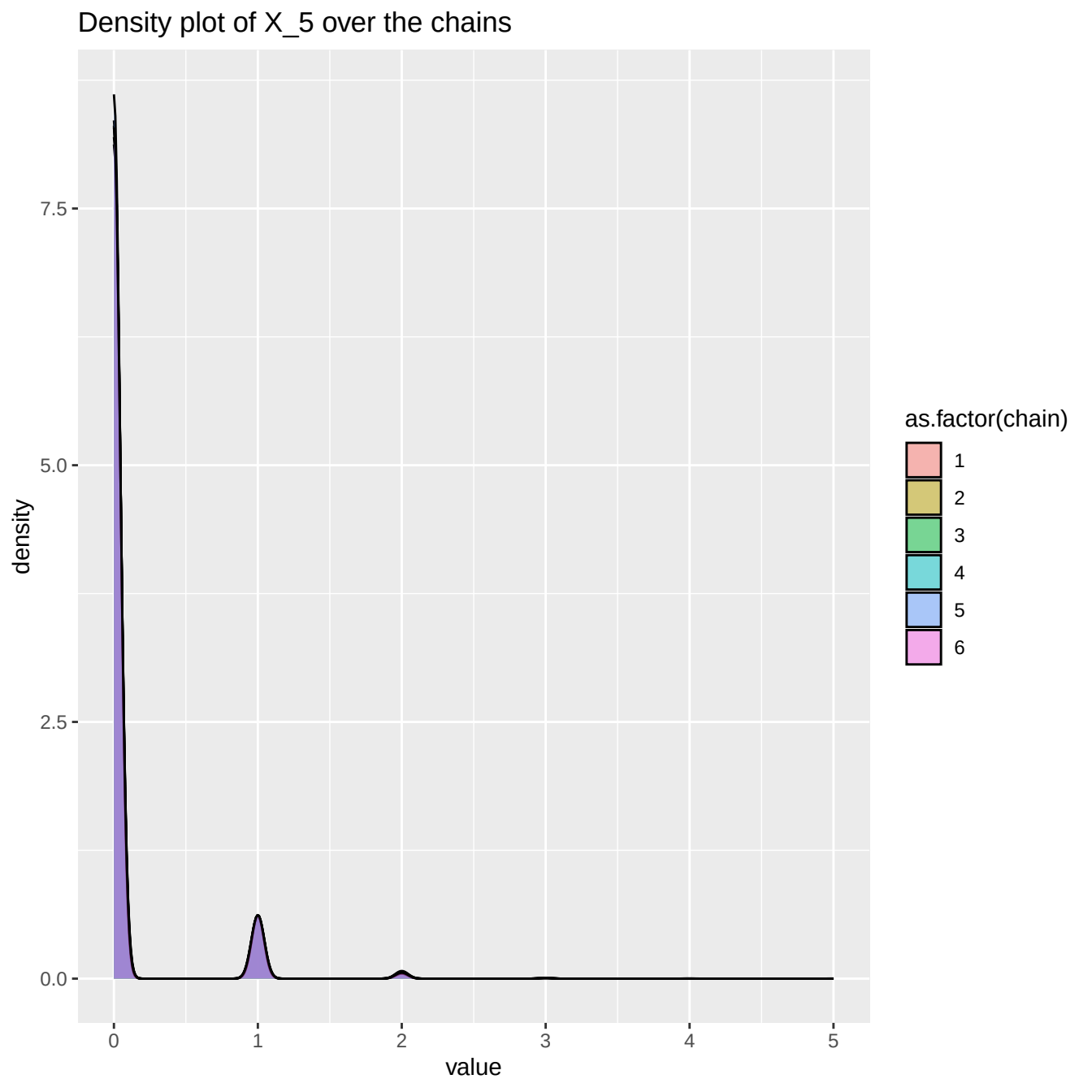
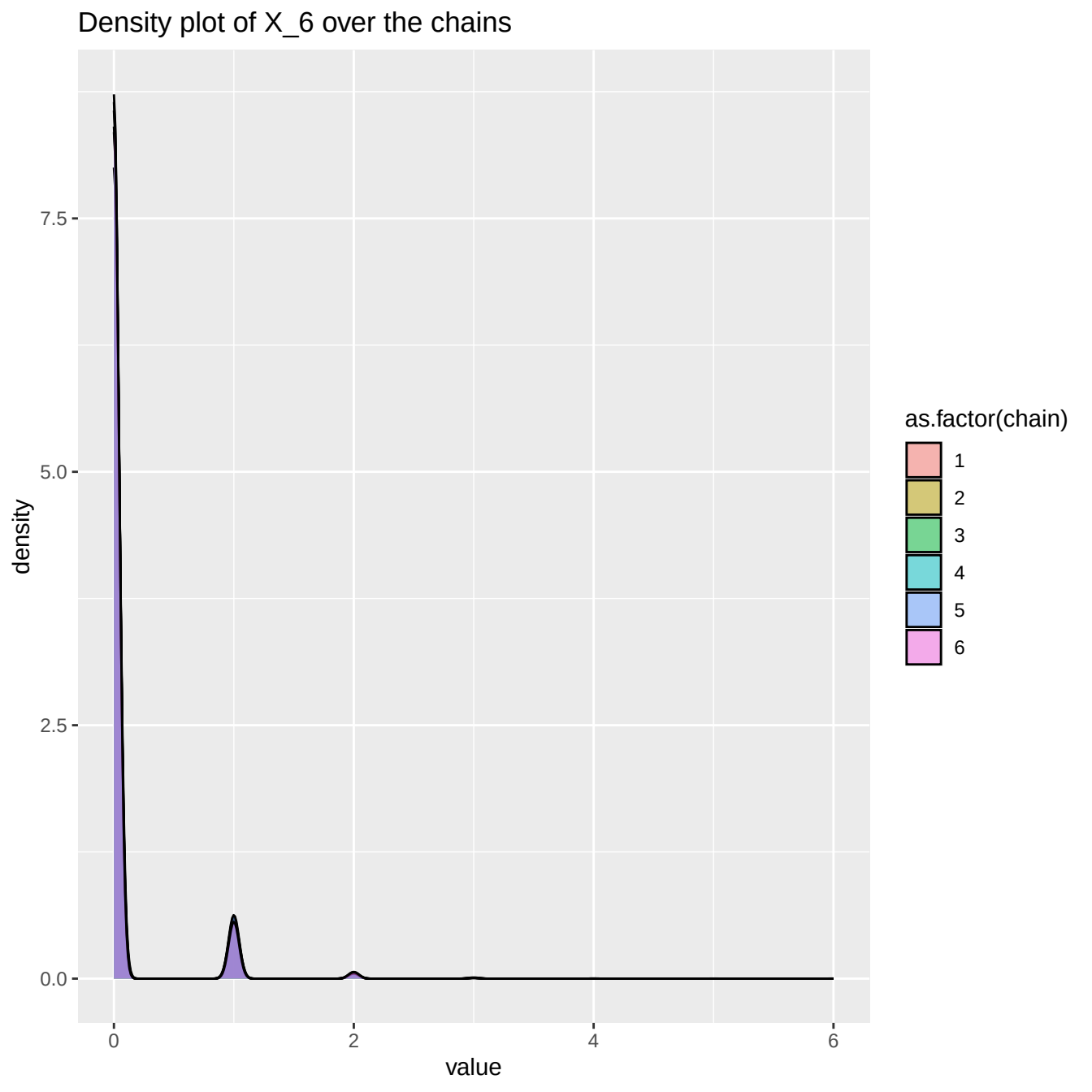

Density plot of X_1 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

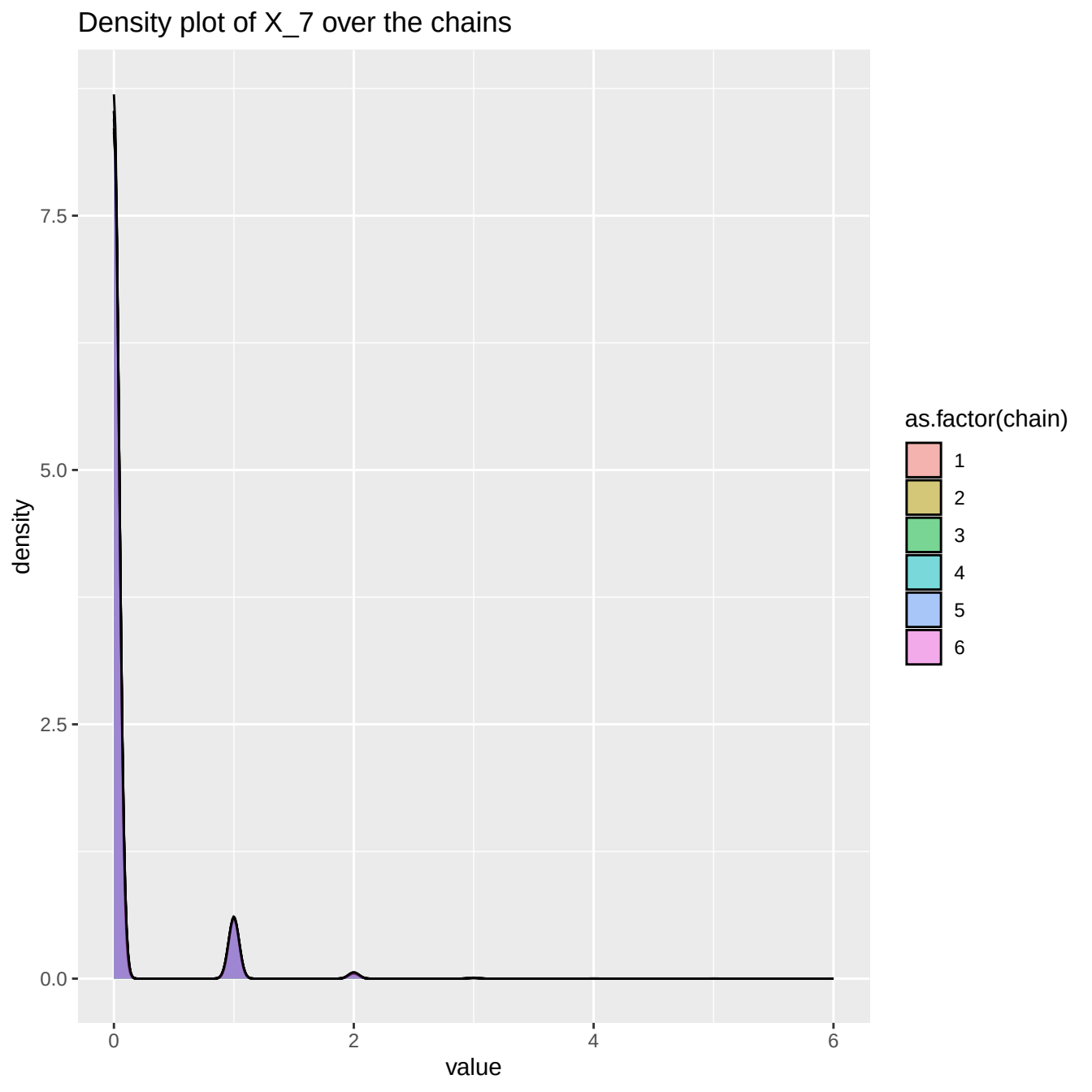

Density plot of X_2 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

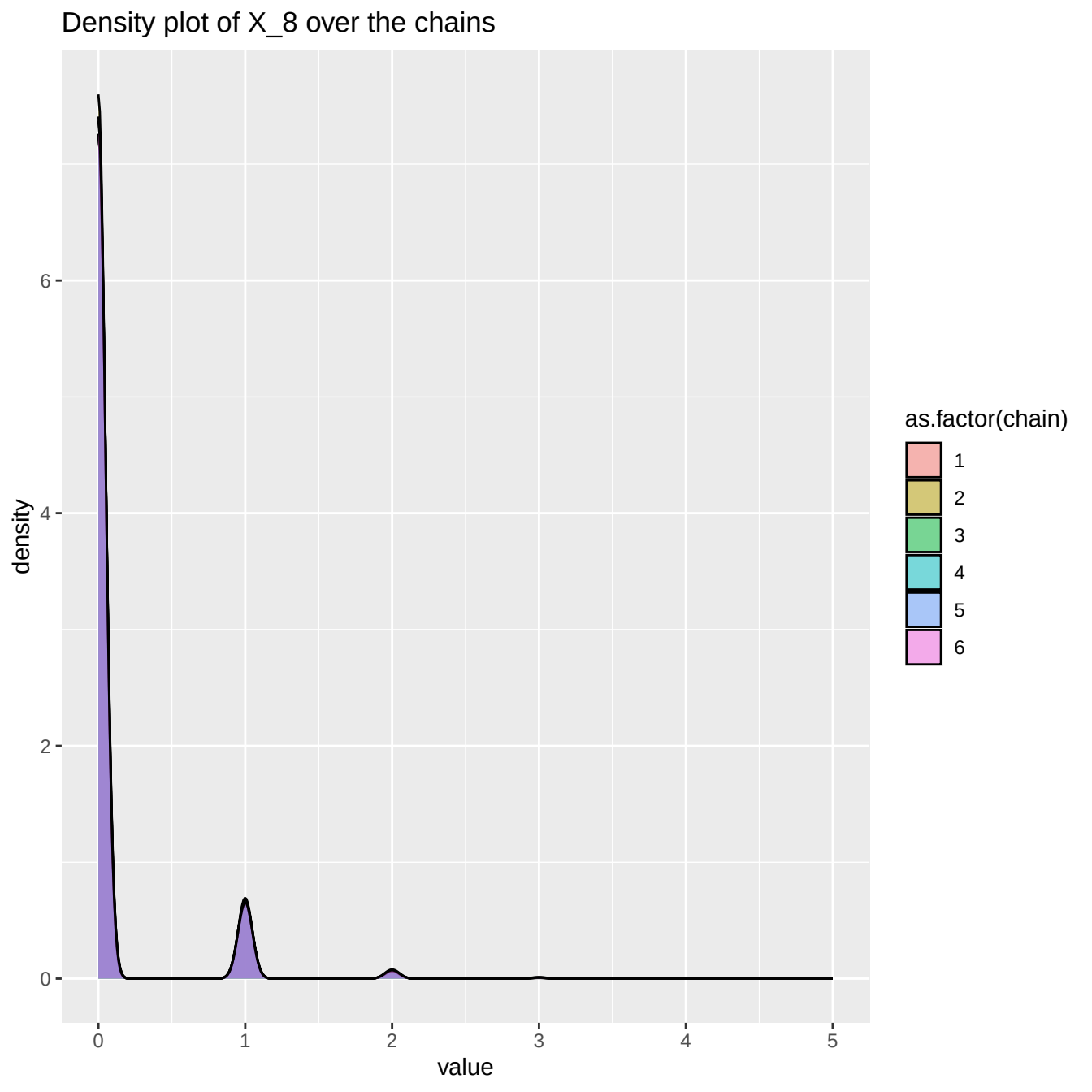

Density plot of X_3 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

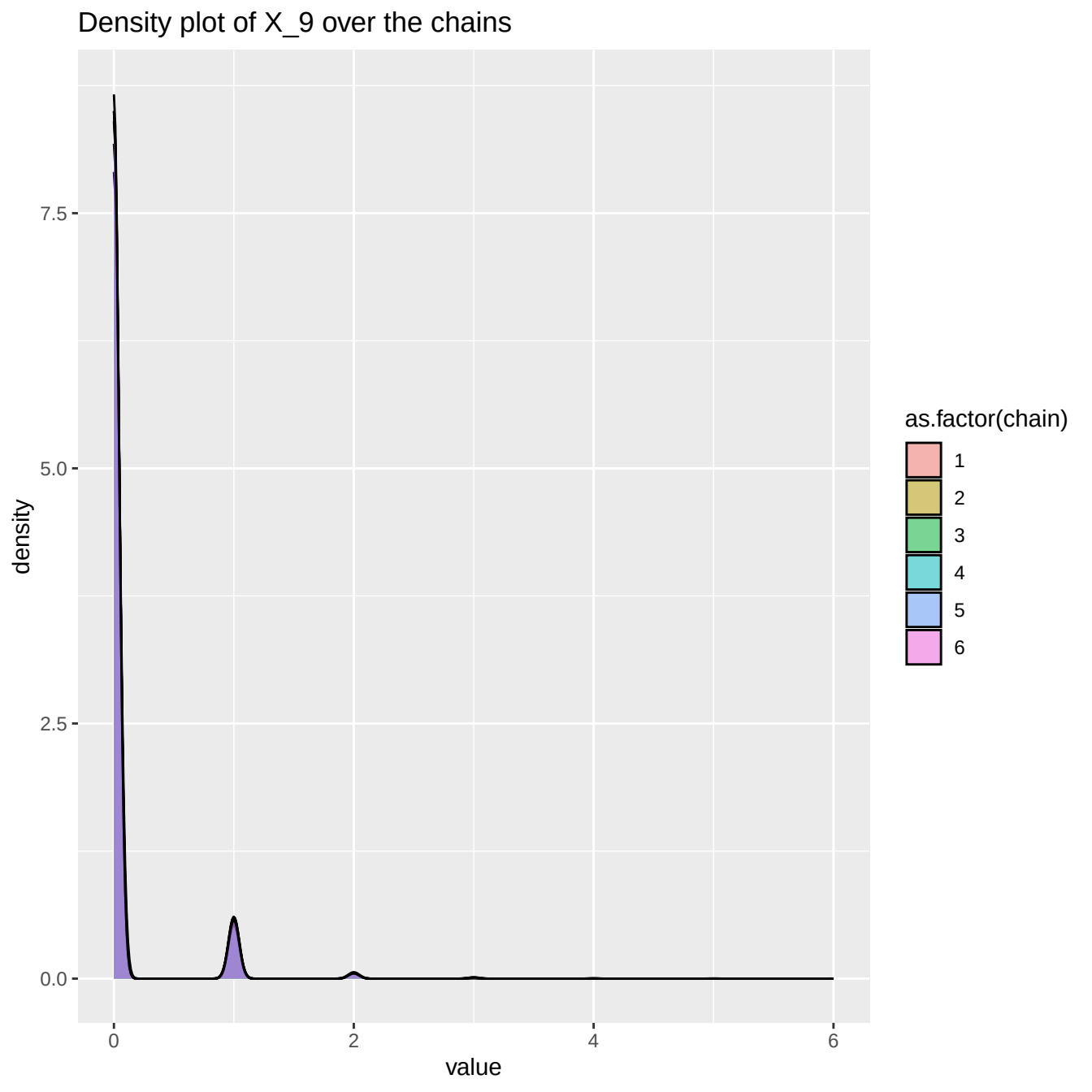

Density plot of X_4 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

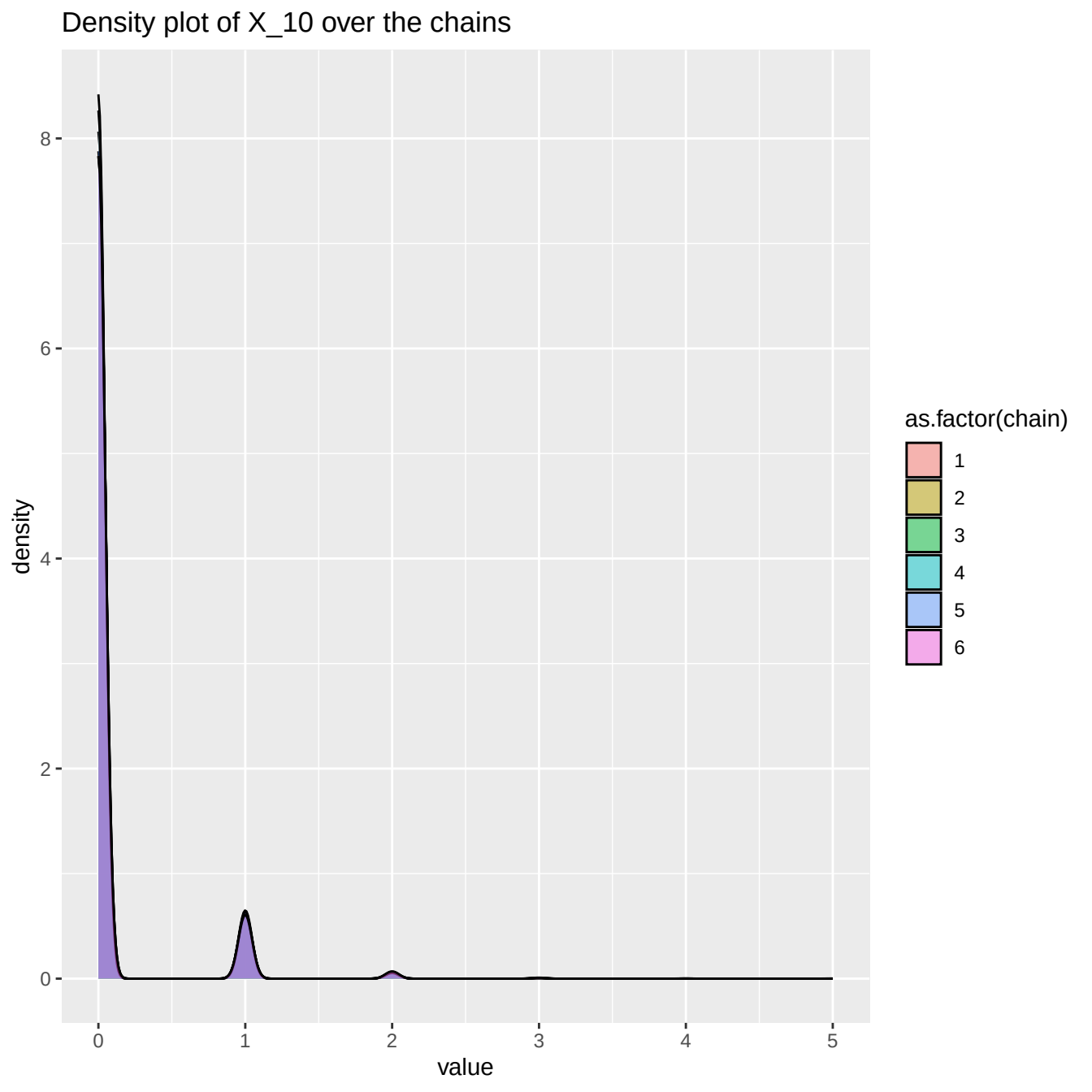

Density plot of X_5 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

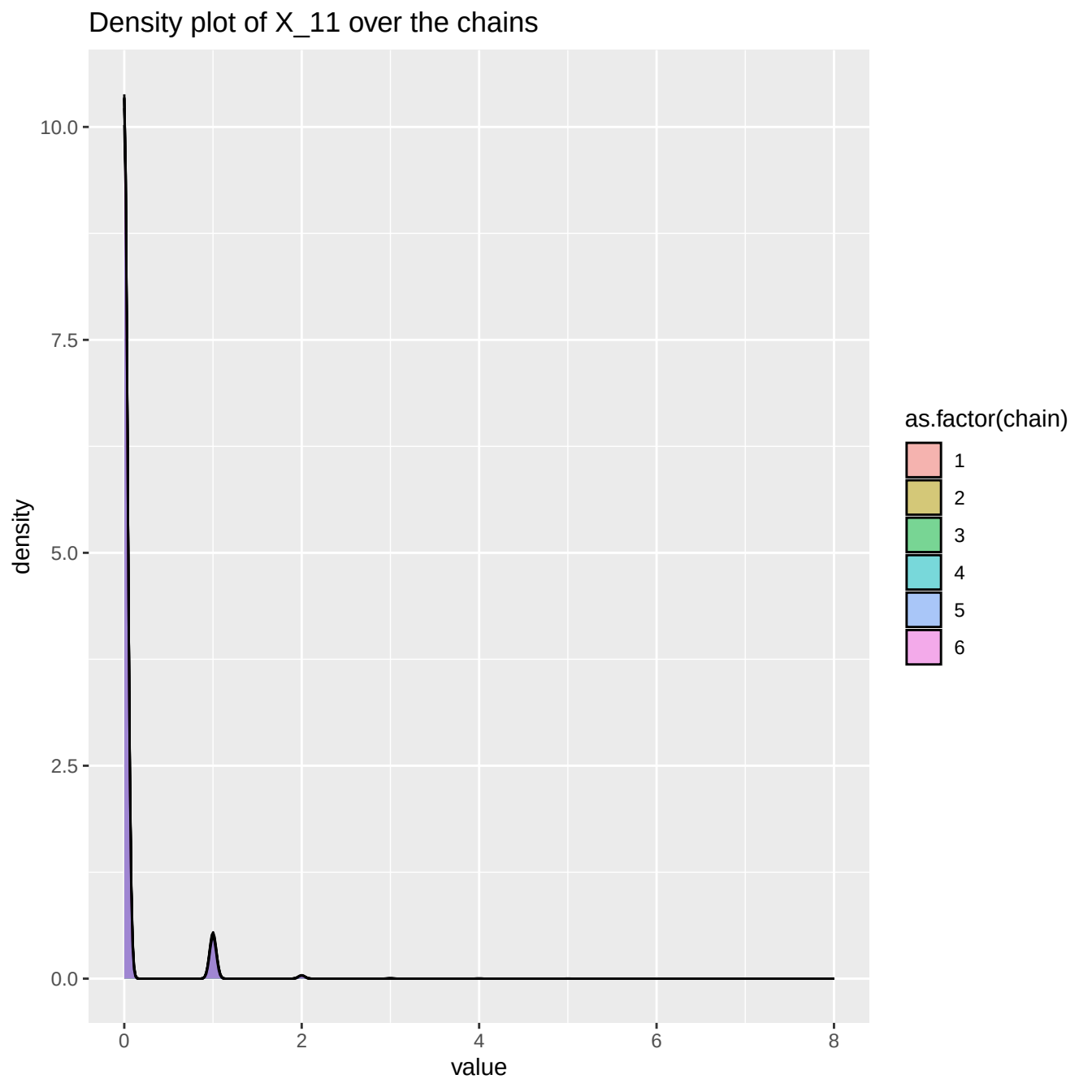

Density plot of X_6 over the chains
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

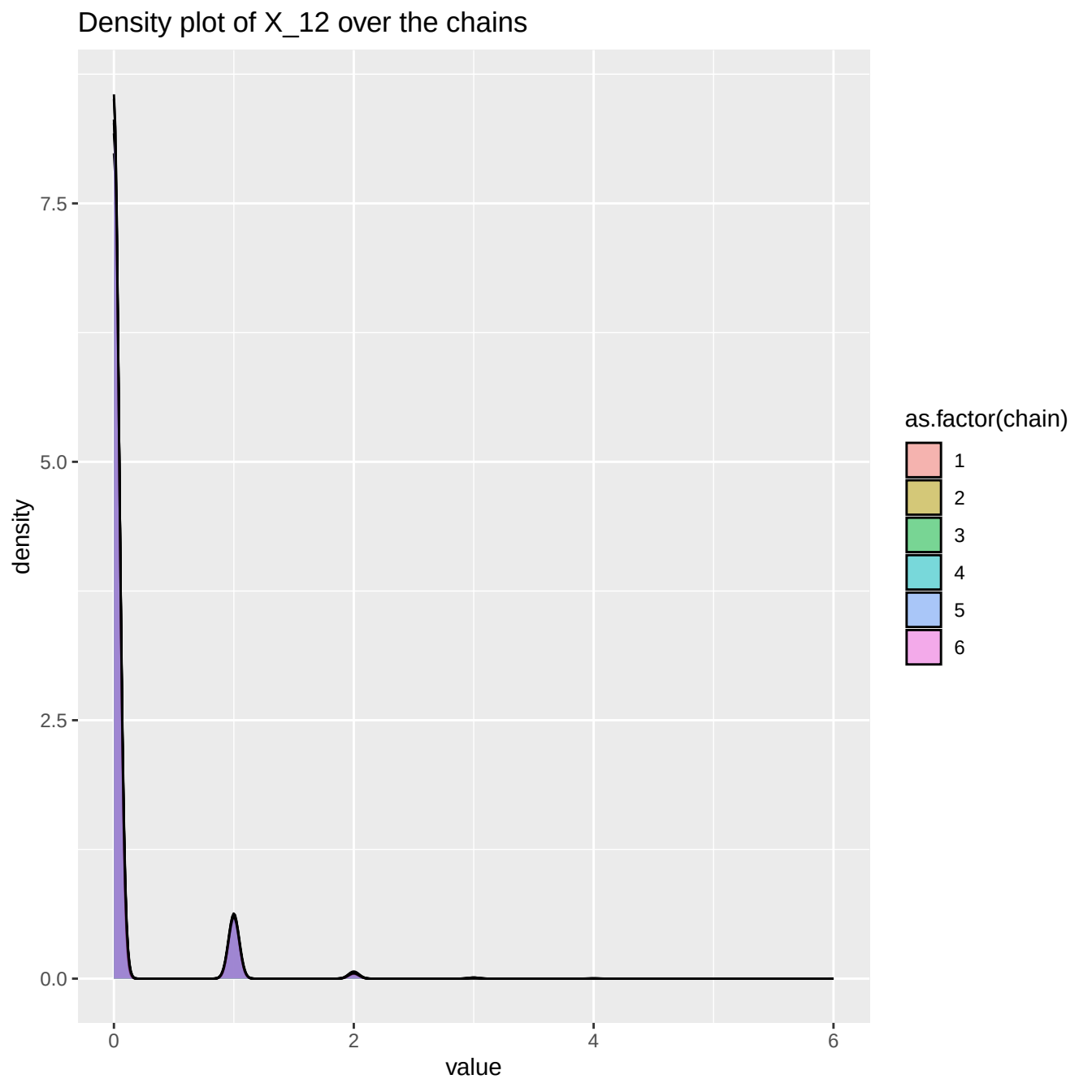

Density plot of X_7 over the chains
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

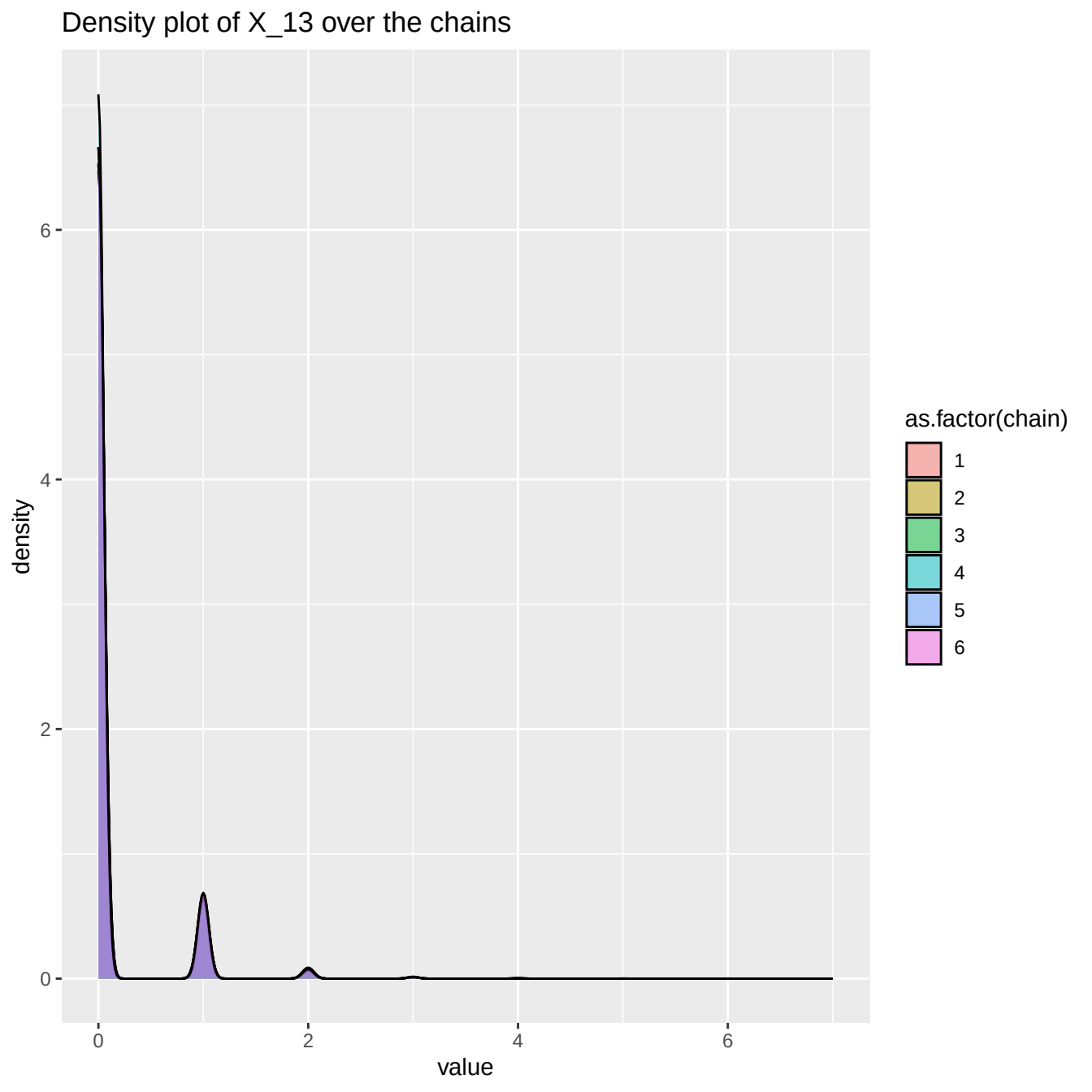

Density plot of X_8 over the chains
density
value
0
2
4
6
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

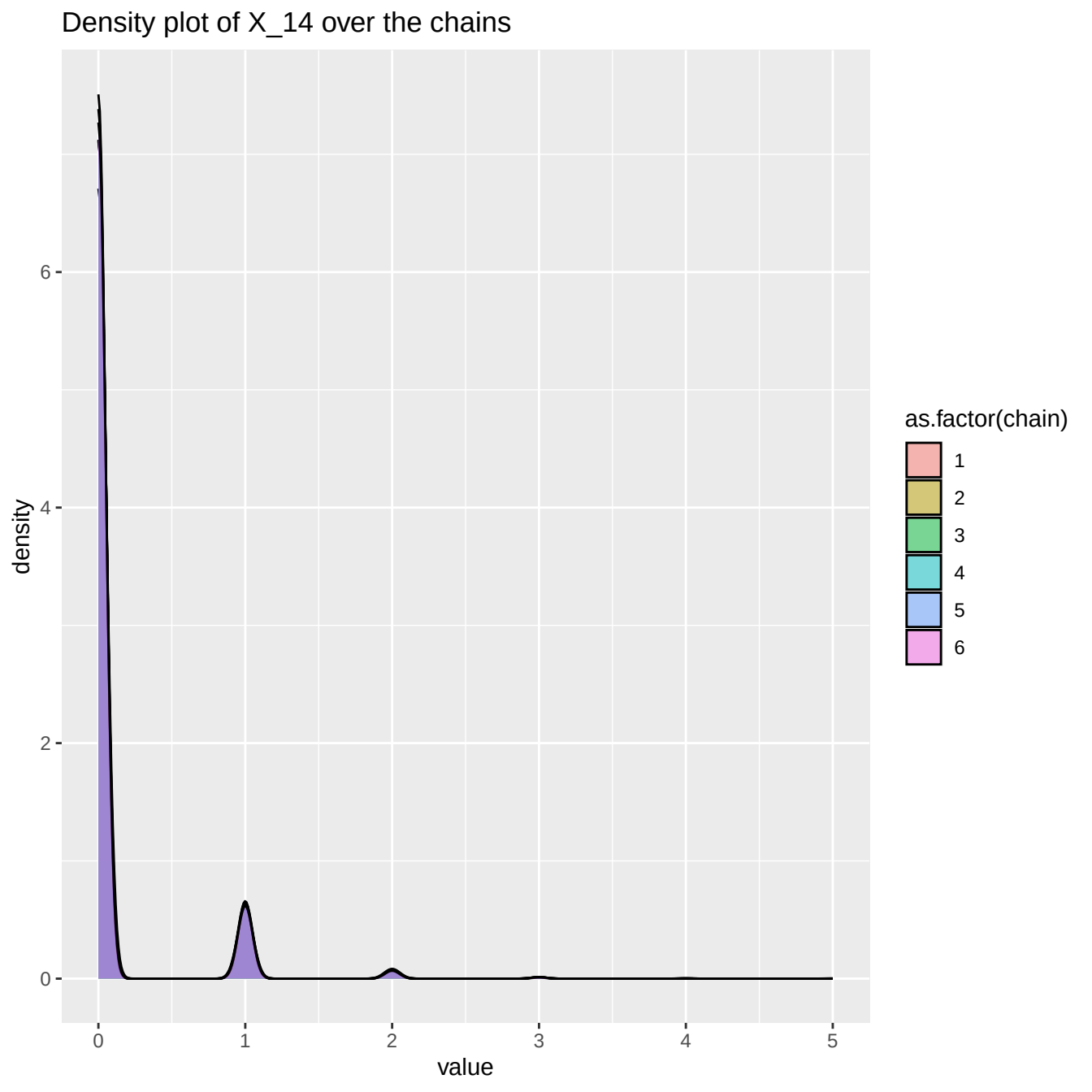

Density plot of X_9 over the chains
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

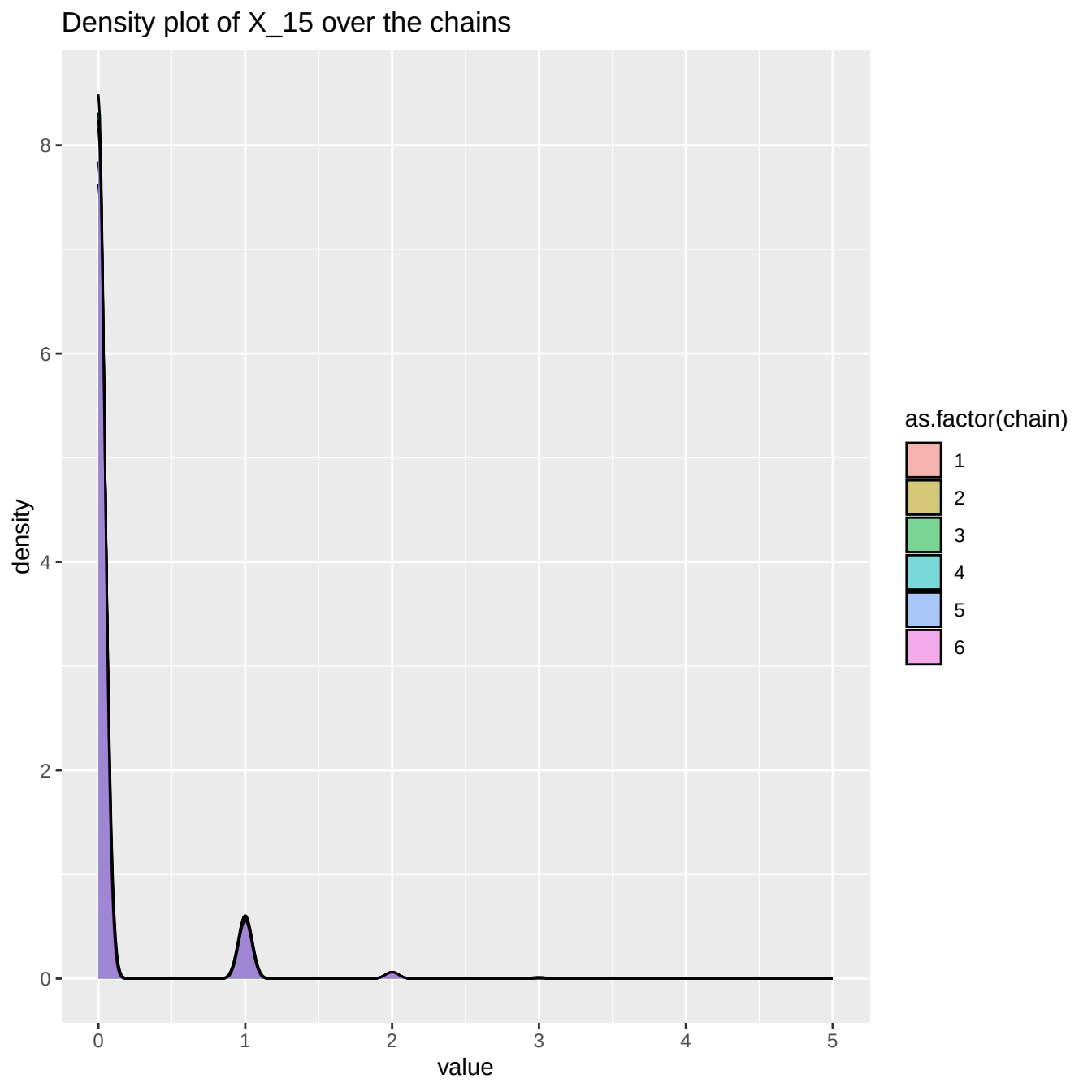

Density plot of X_10 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

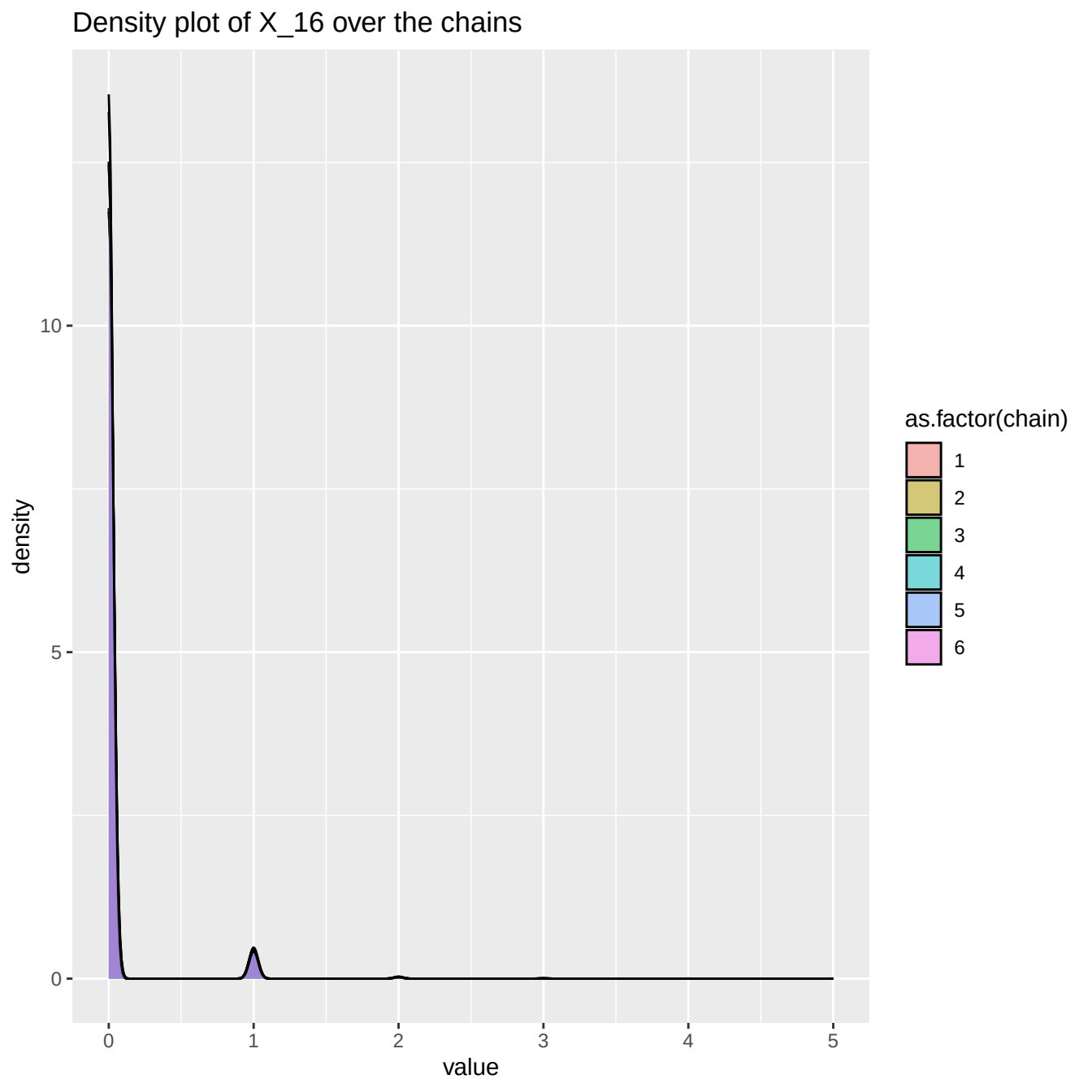

Density plot of X_11 over the chains
density
10.0
7.5
5.0
2.5
0.0
0
2
4
6
8
value
as.factor(chain)
1
2
3
4
5
6

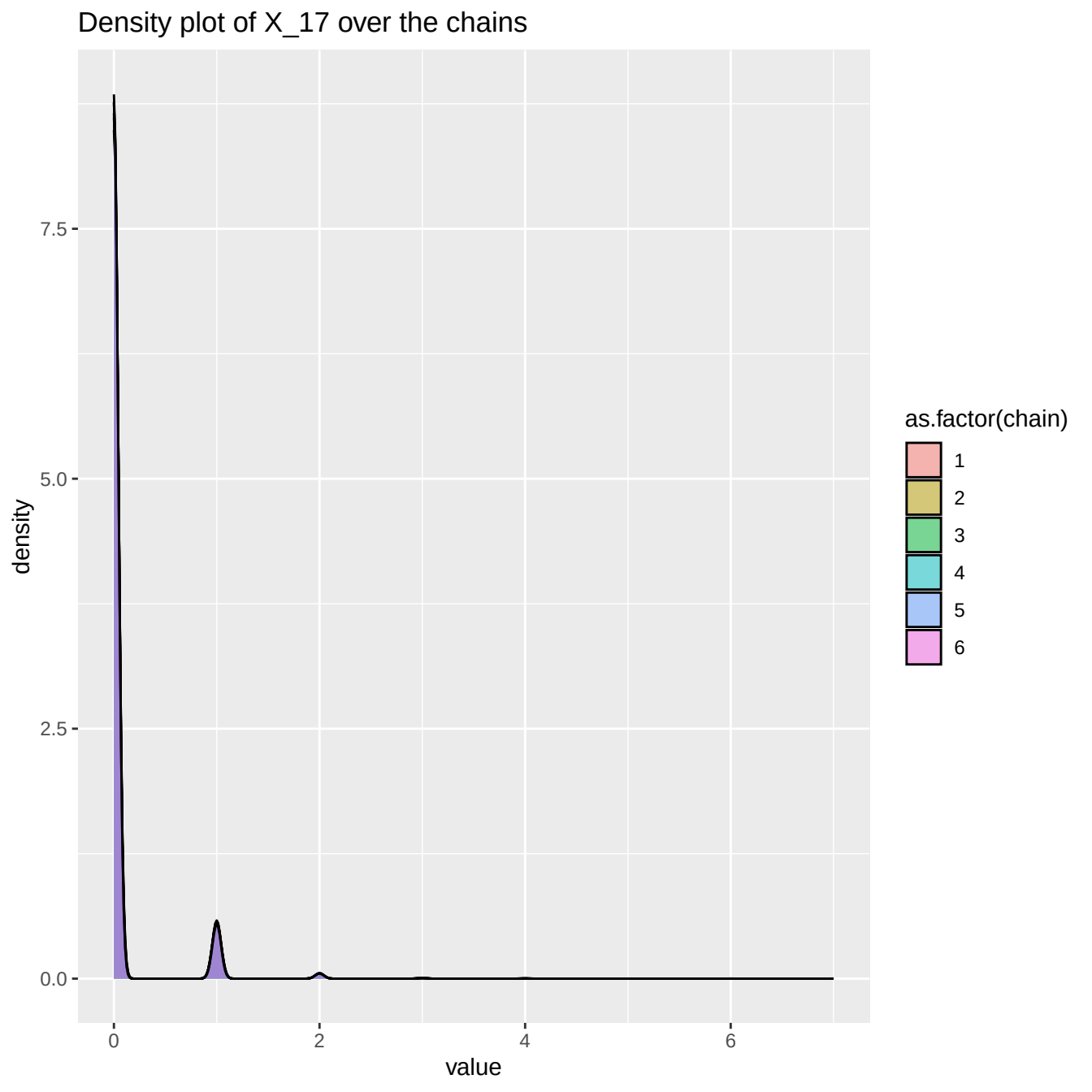

Density plot of X_12 over the chains
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

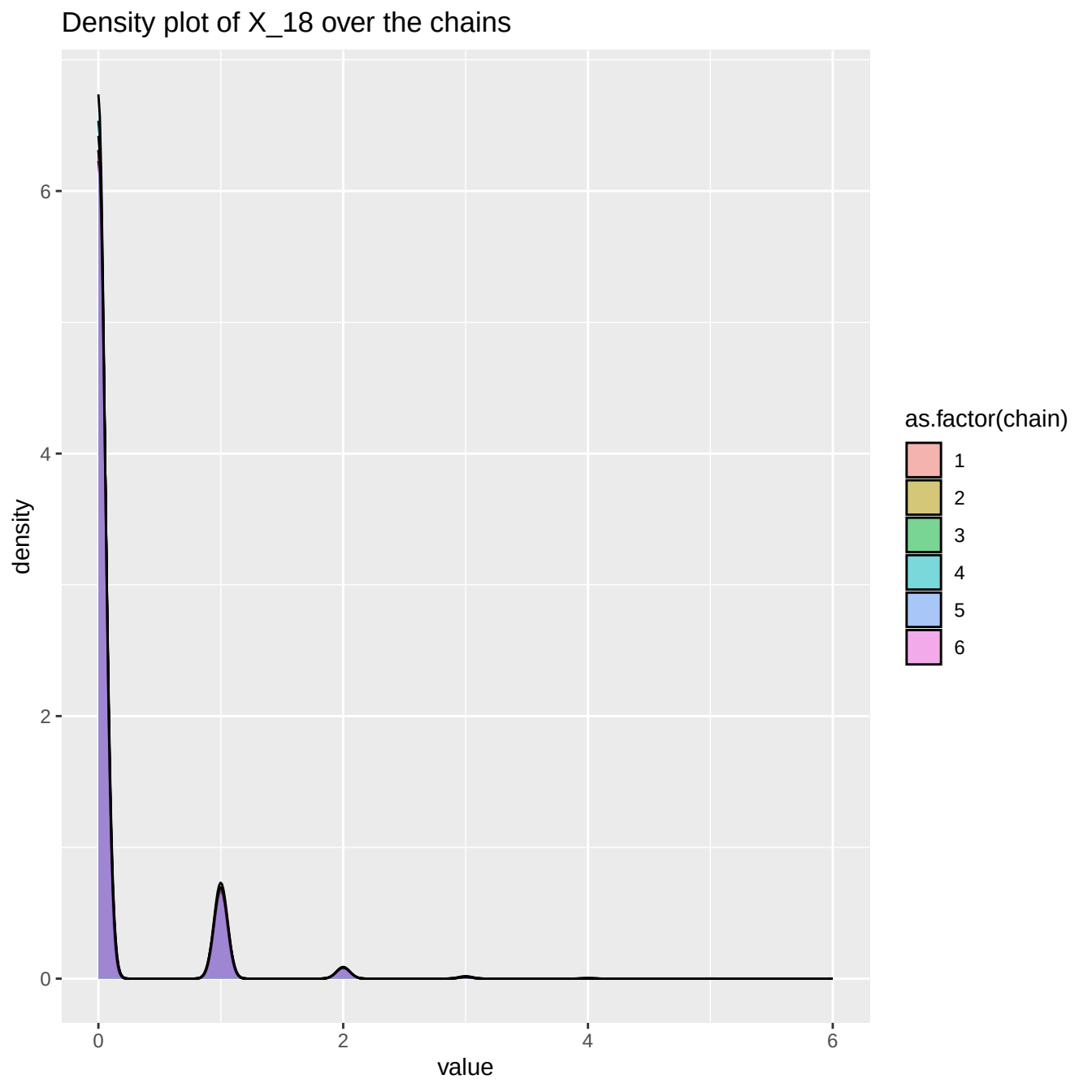

Density plot of X_13 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

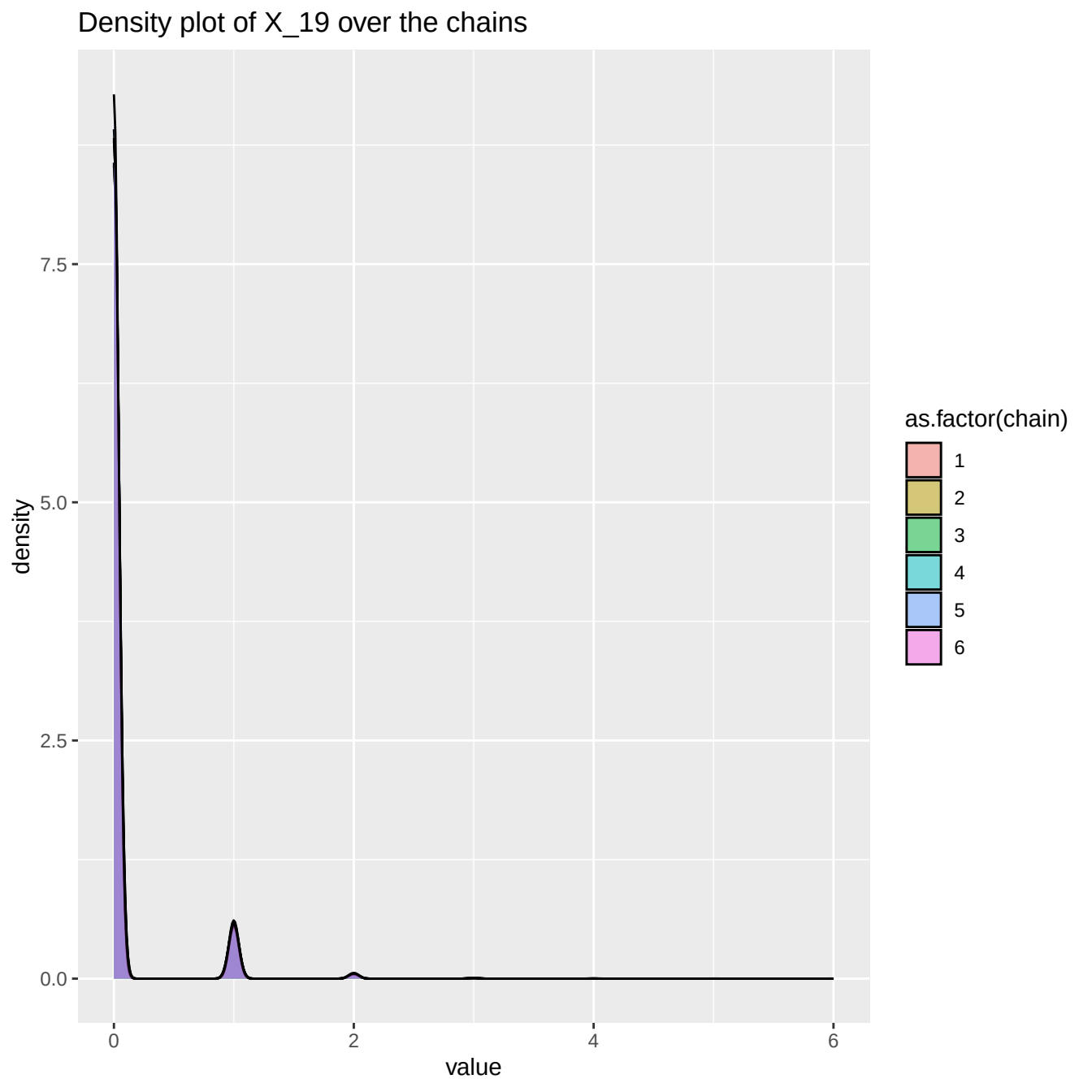

Density plot of X_14 over the chains
density
value
0
2
4
6
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

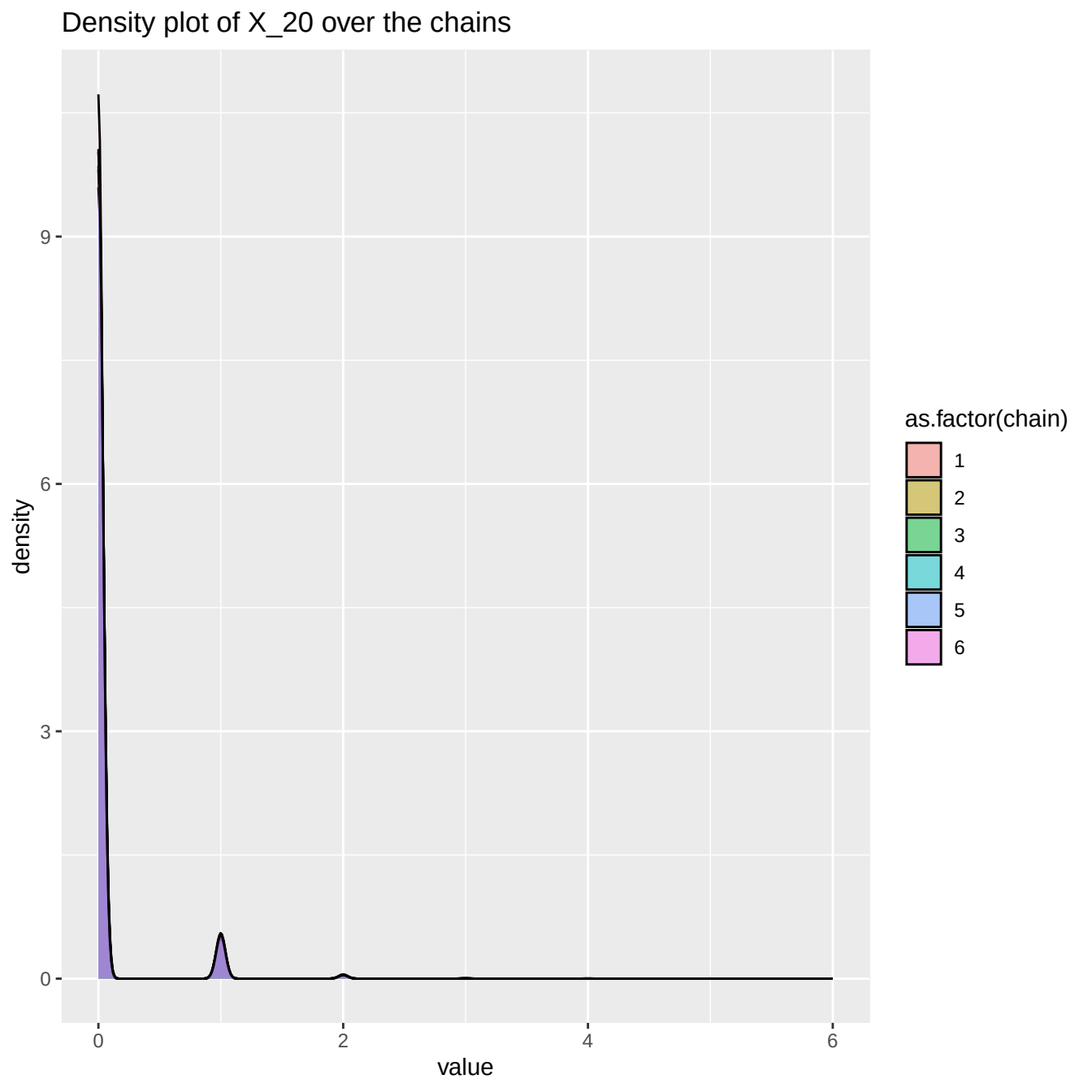

Density plot of X_15 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

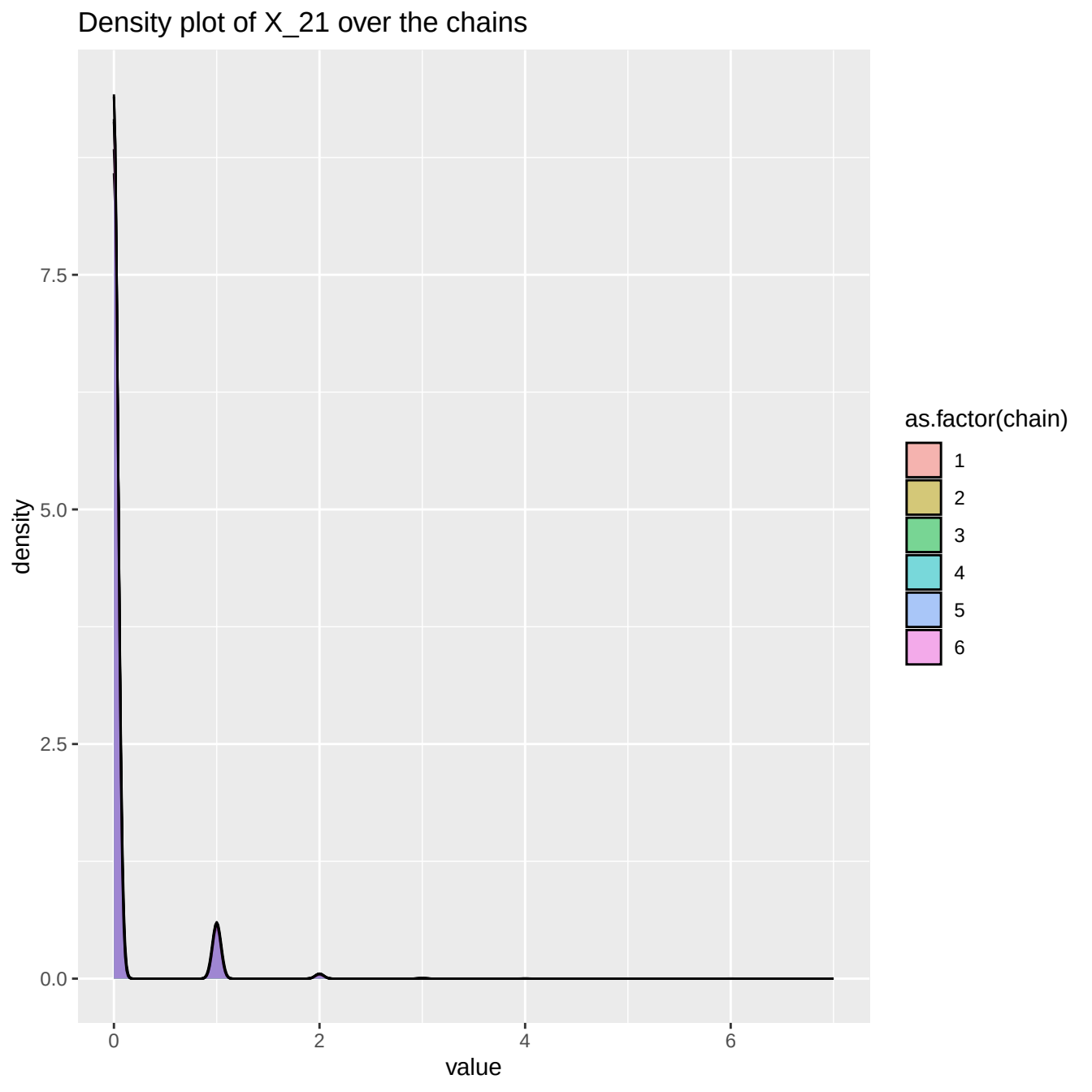

Density plot of X_16 over the chains
density
10
5
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

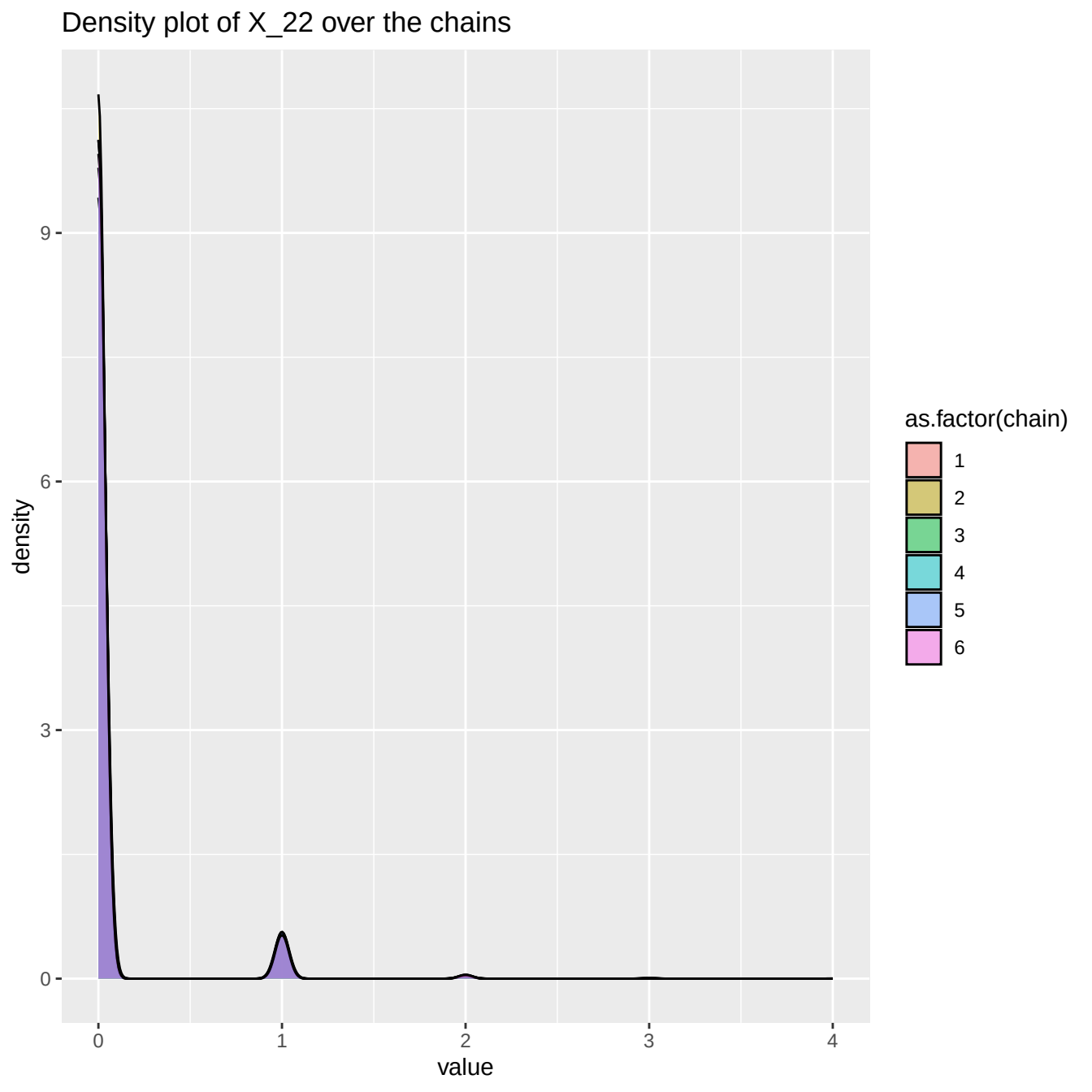

Density plot of X_17 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

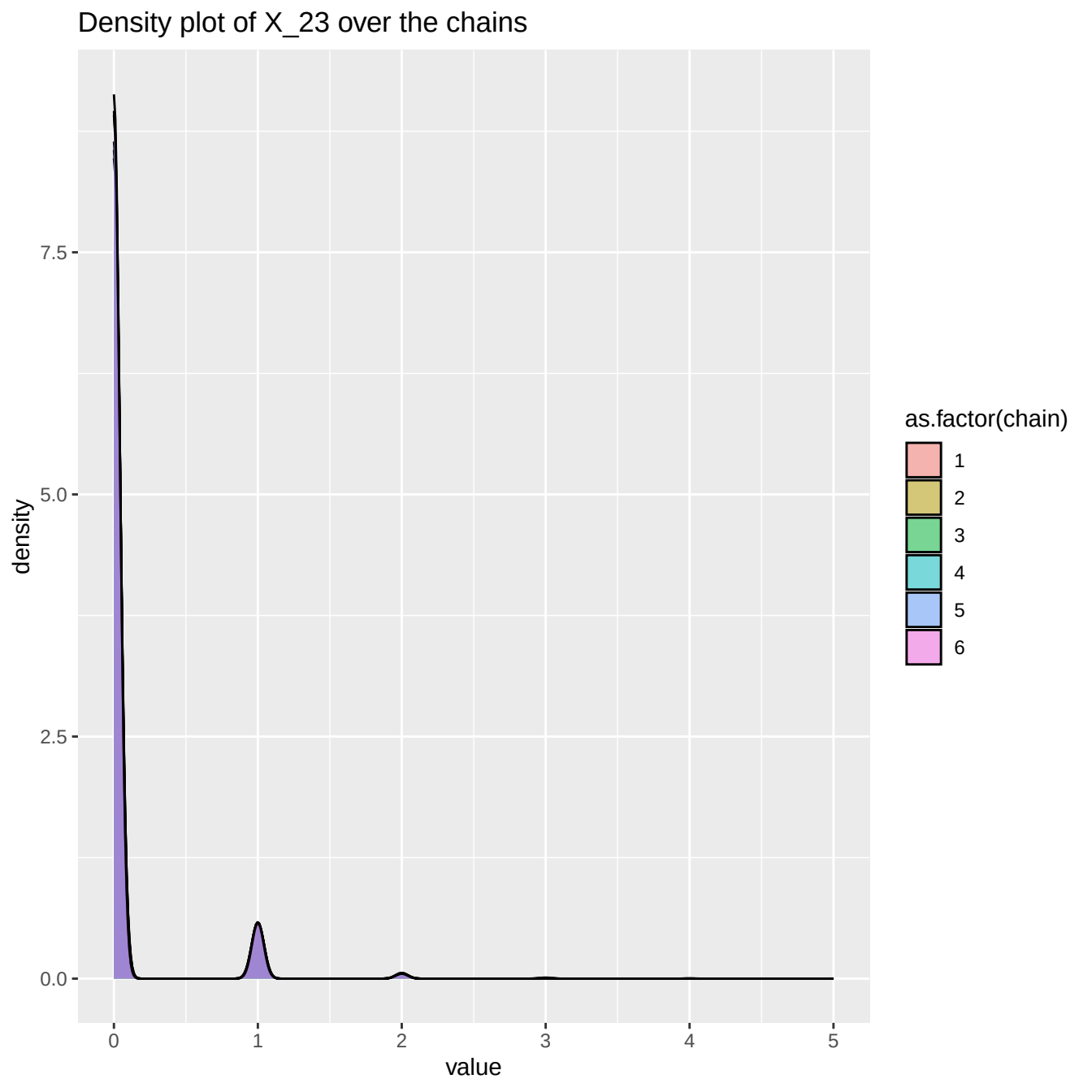

Density plot of X_18 over the chains
density
value
0
2
4
6
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

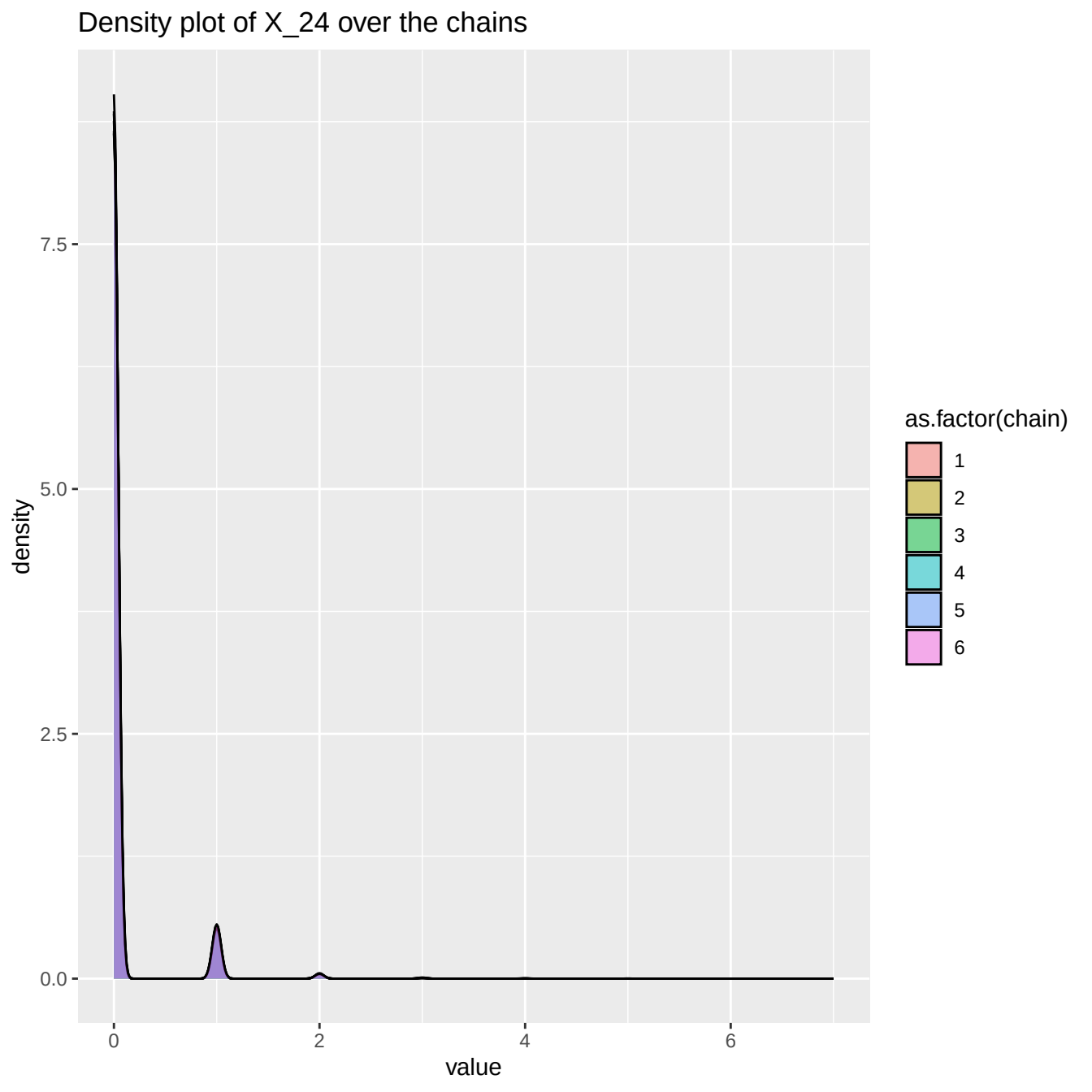

Density plot of X_19 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

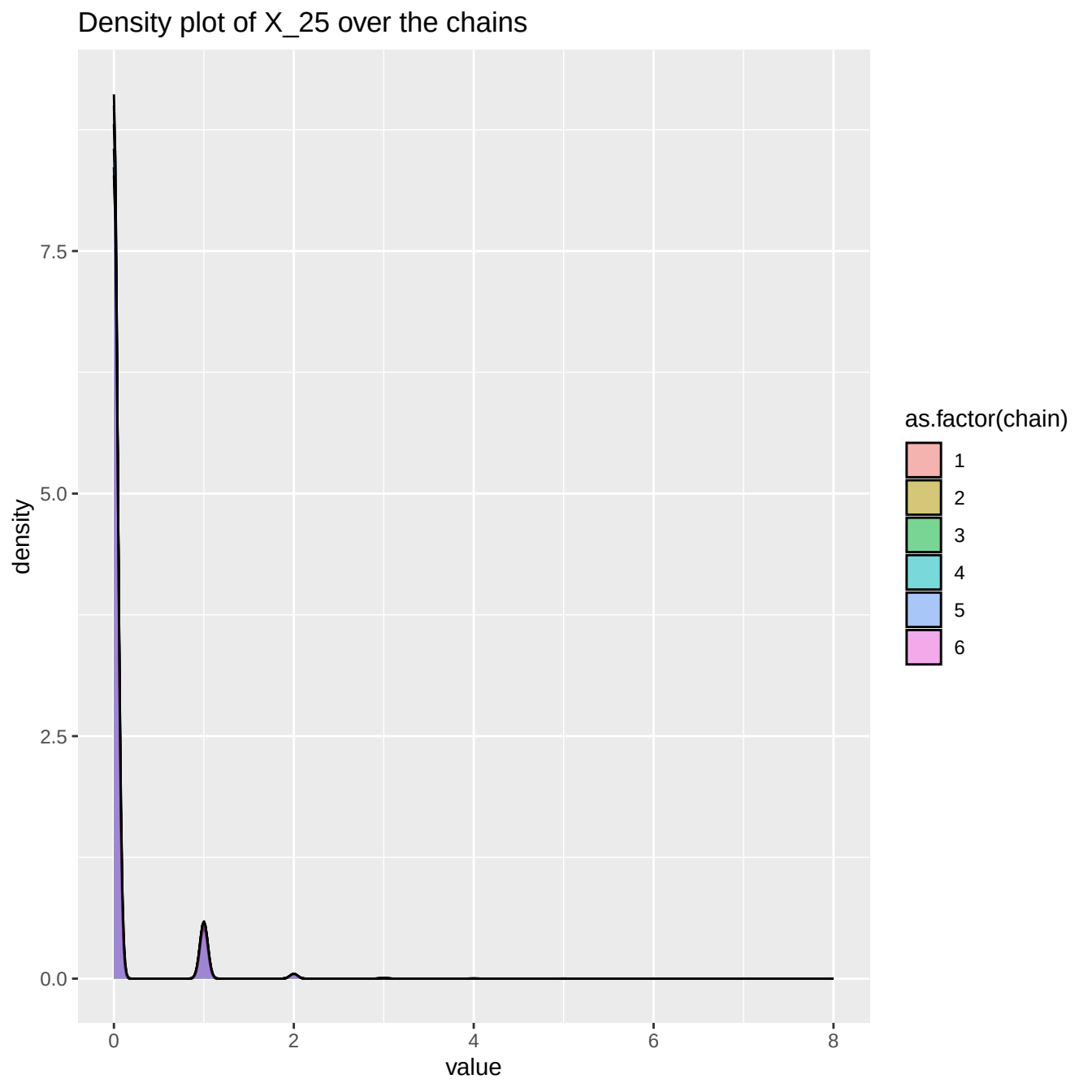

Density plot of X_20 over the chains
density
9
6
3
0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

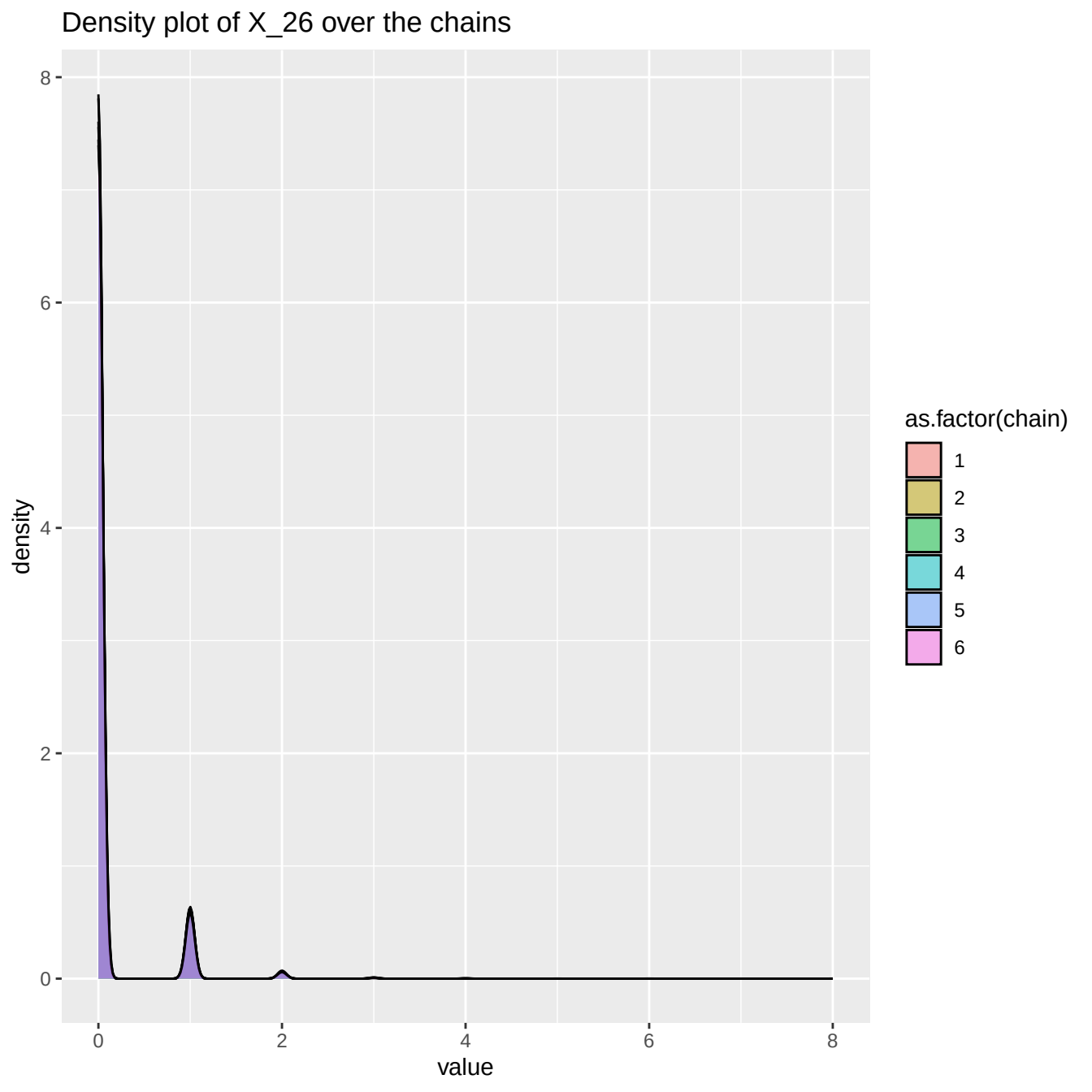

Density plot of X_21 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

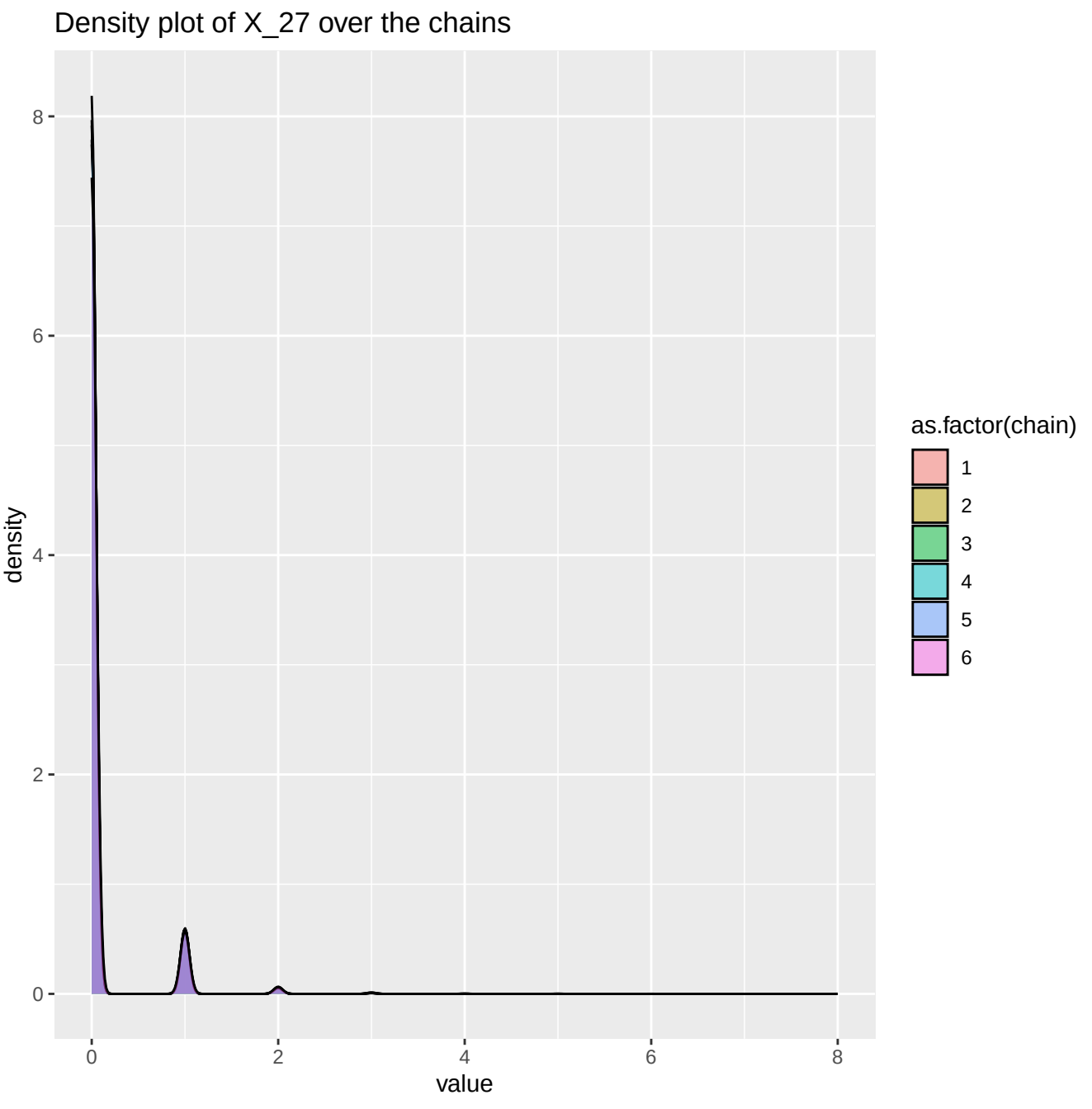

Density plot of X_22 over the chains
density
9
6
3
0
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

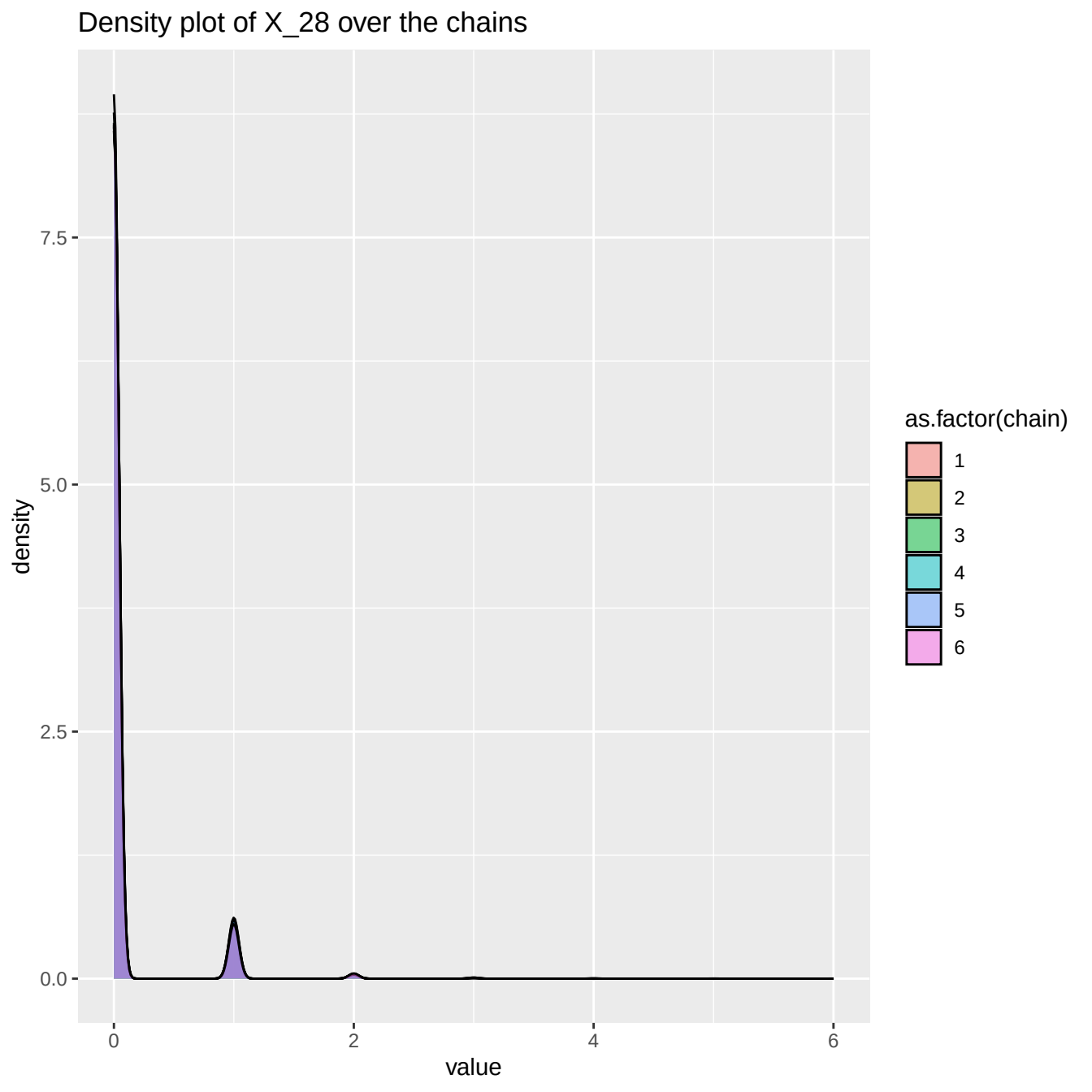

Density plot of X_23 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

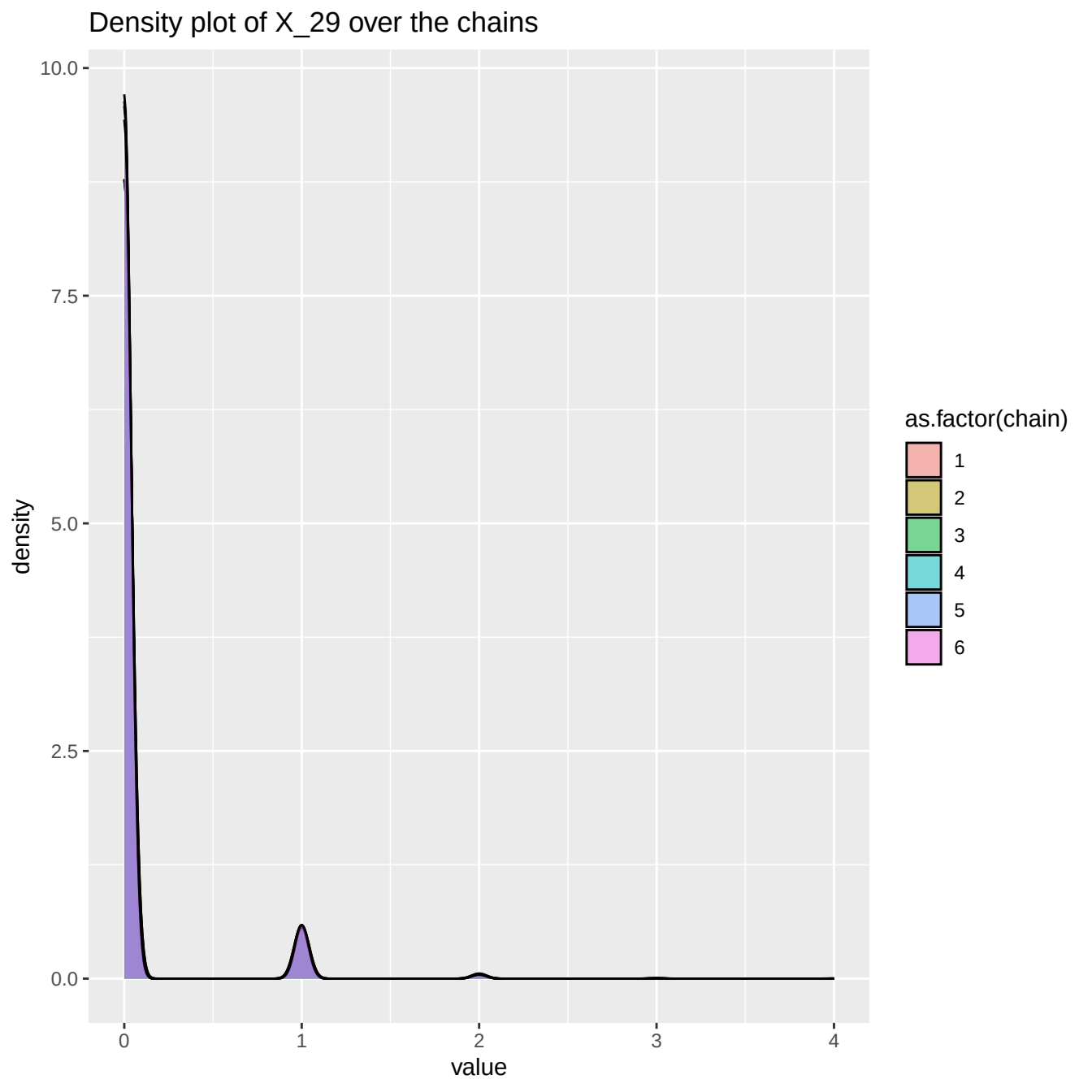

Density plot of X_24 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

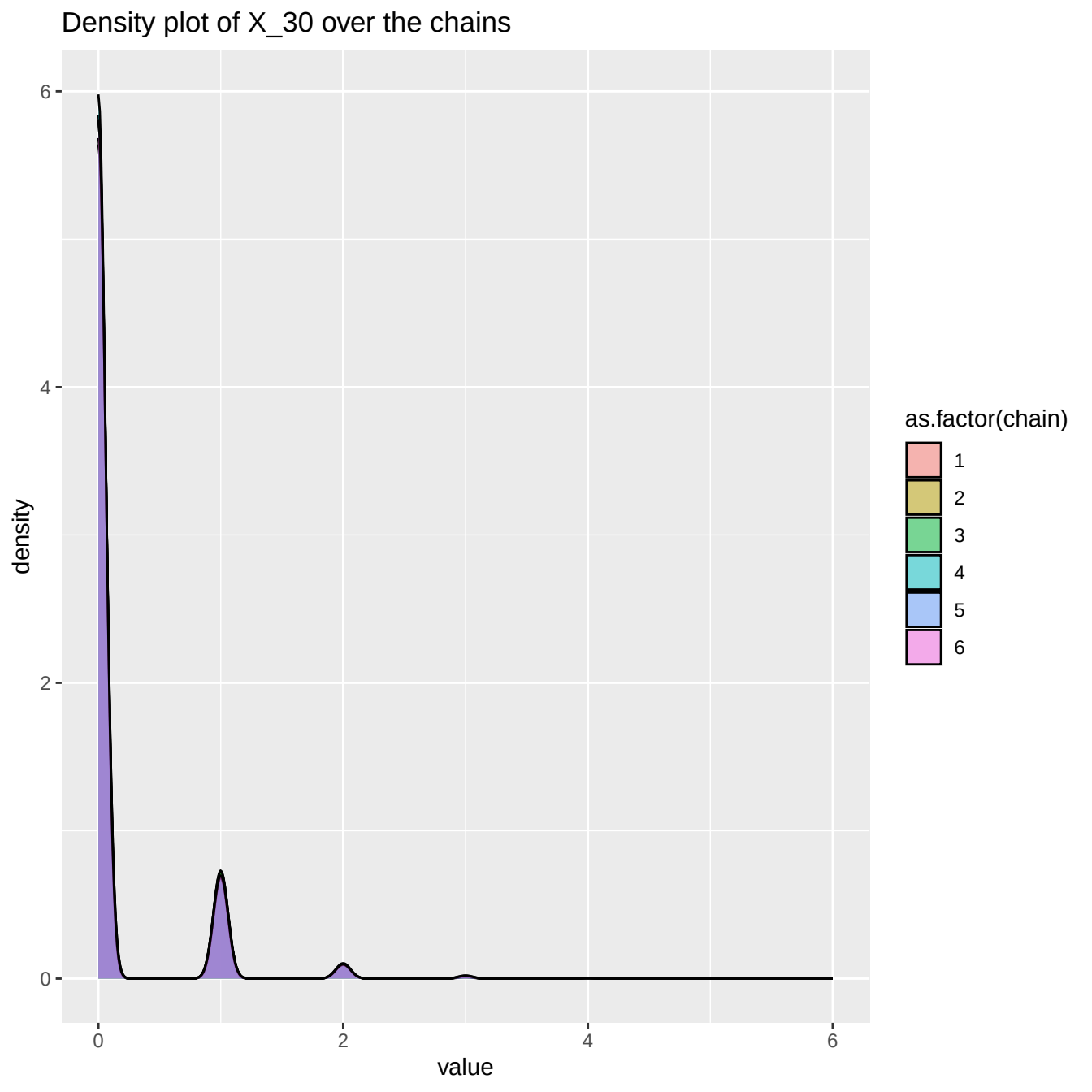

Density plot of X_25 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
8
value
as.factor(chain)
1
2
3
4
5
6

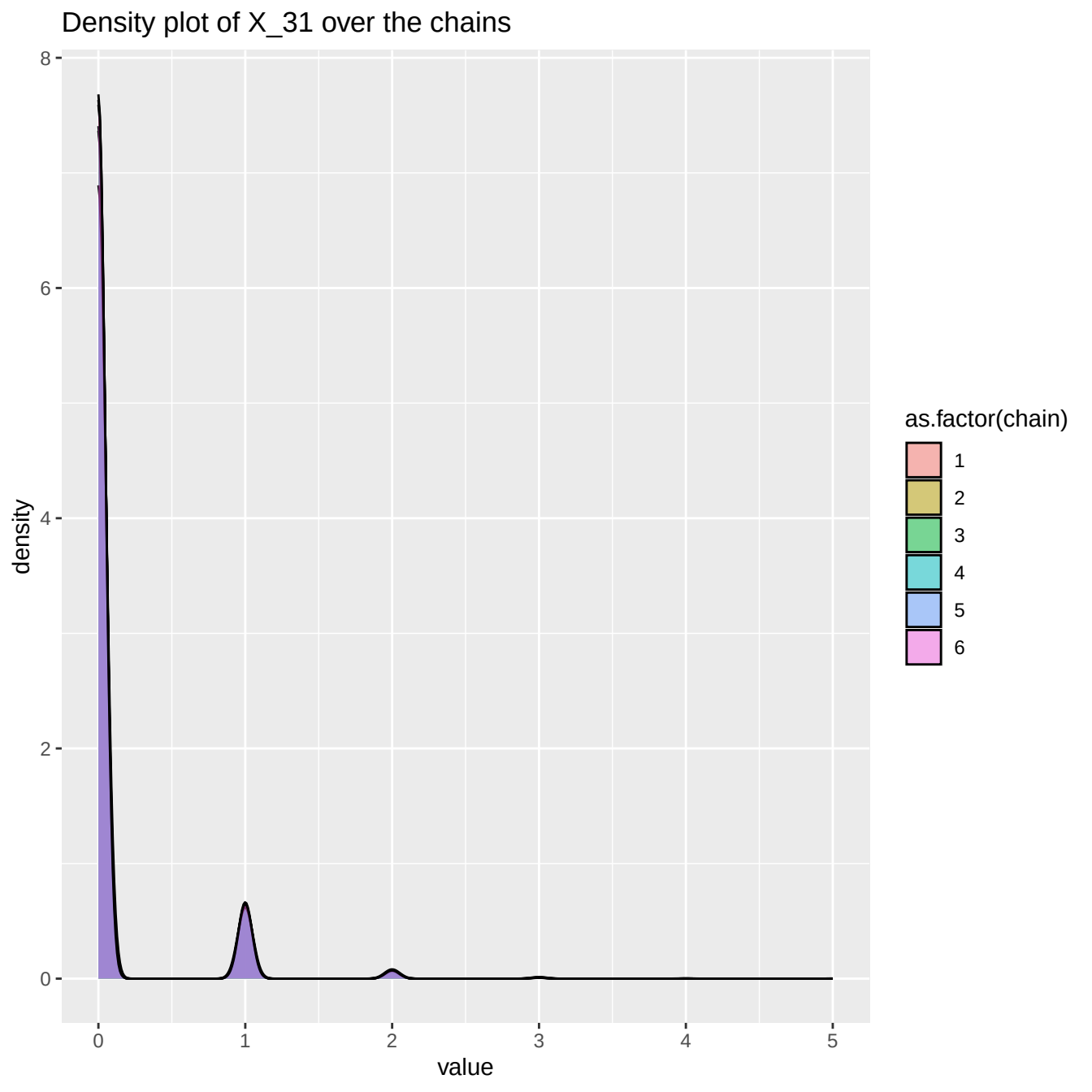

Density plot of X_26 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

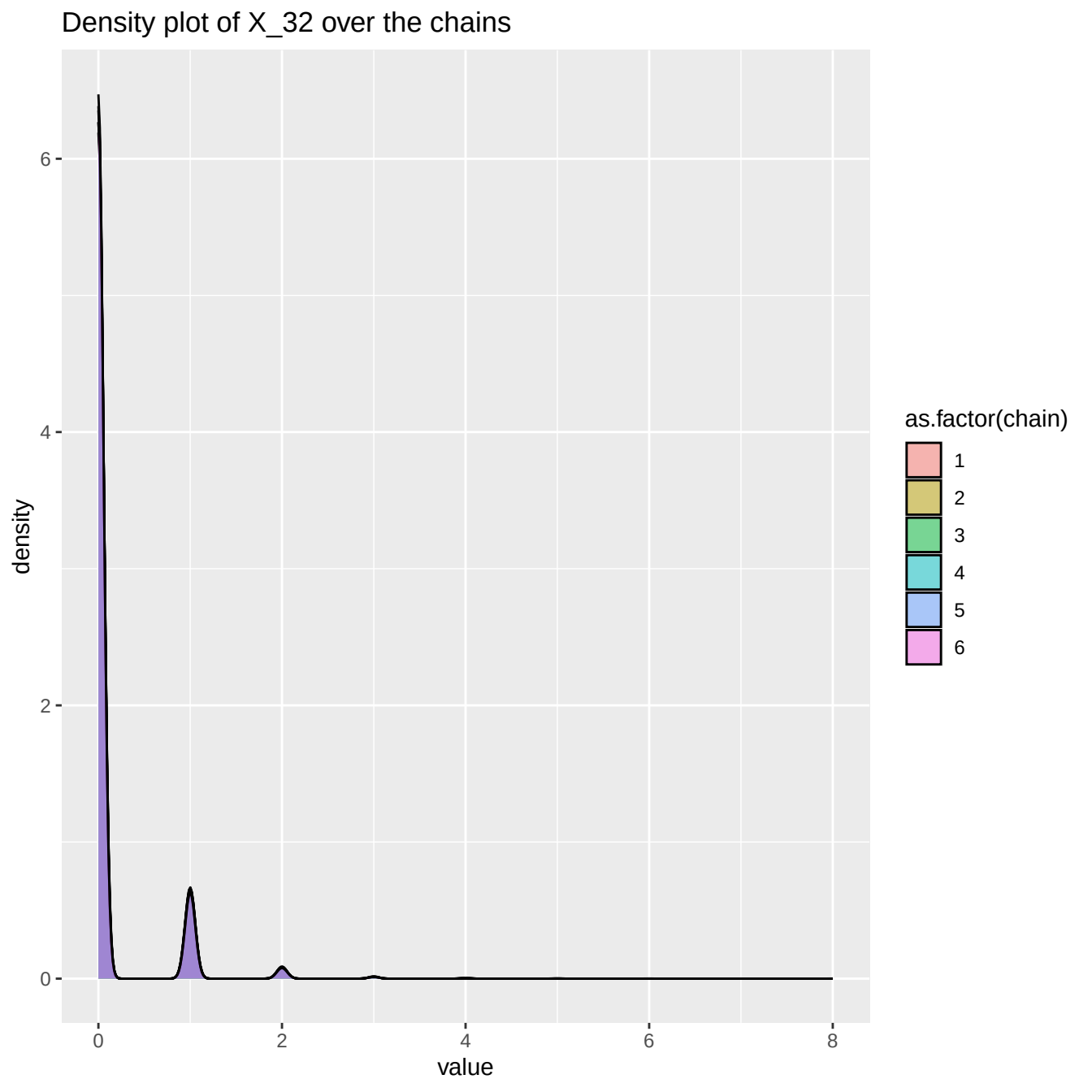

Density plot of X_27 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

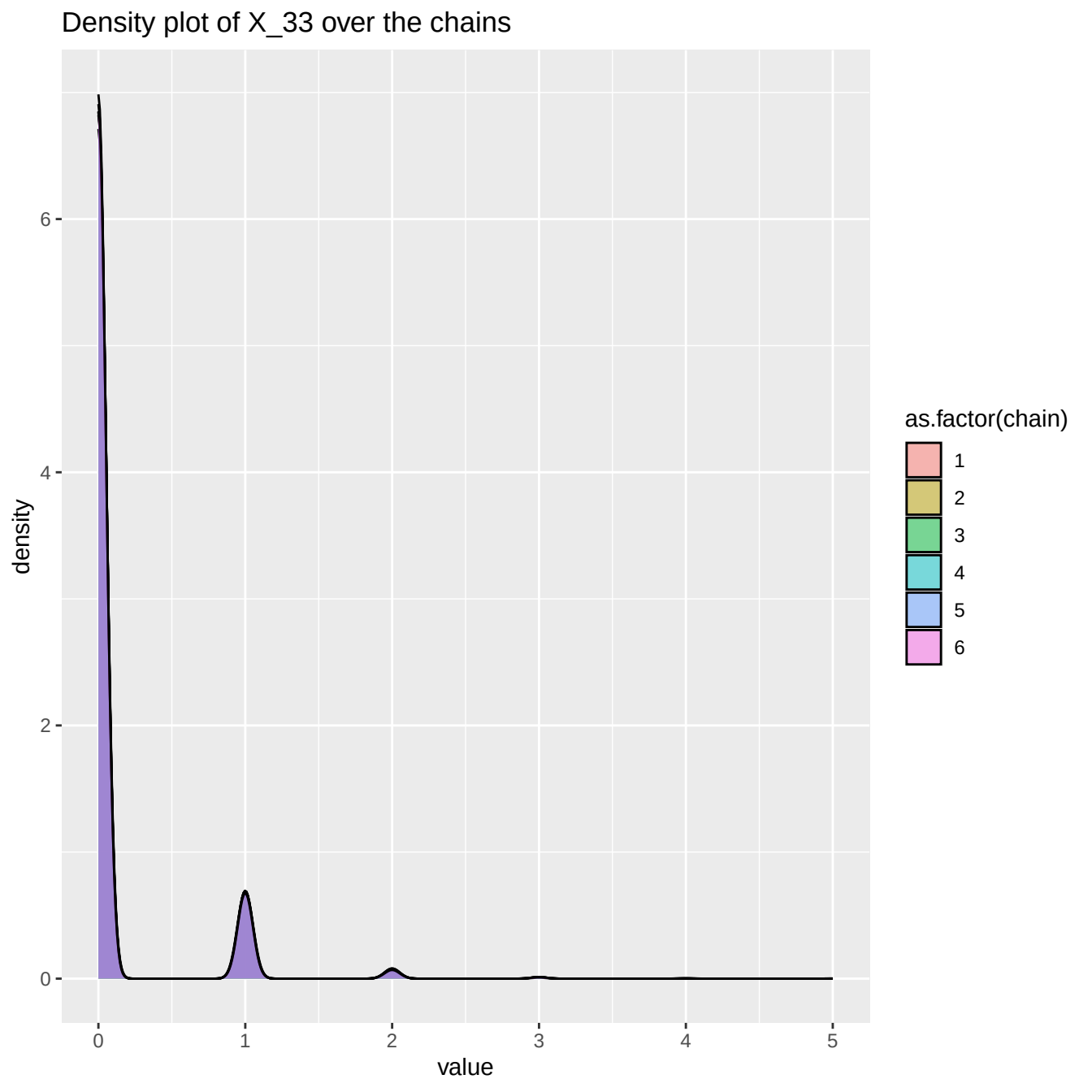

Density plot of X_28 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

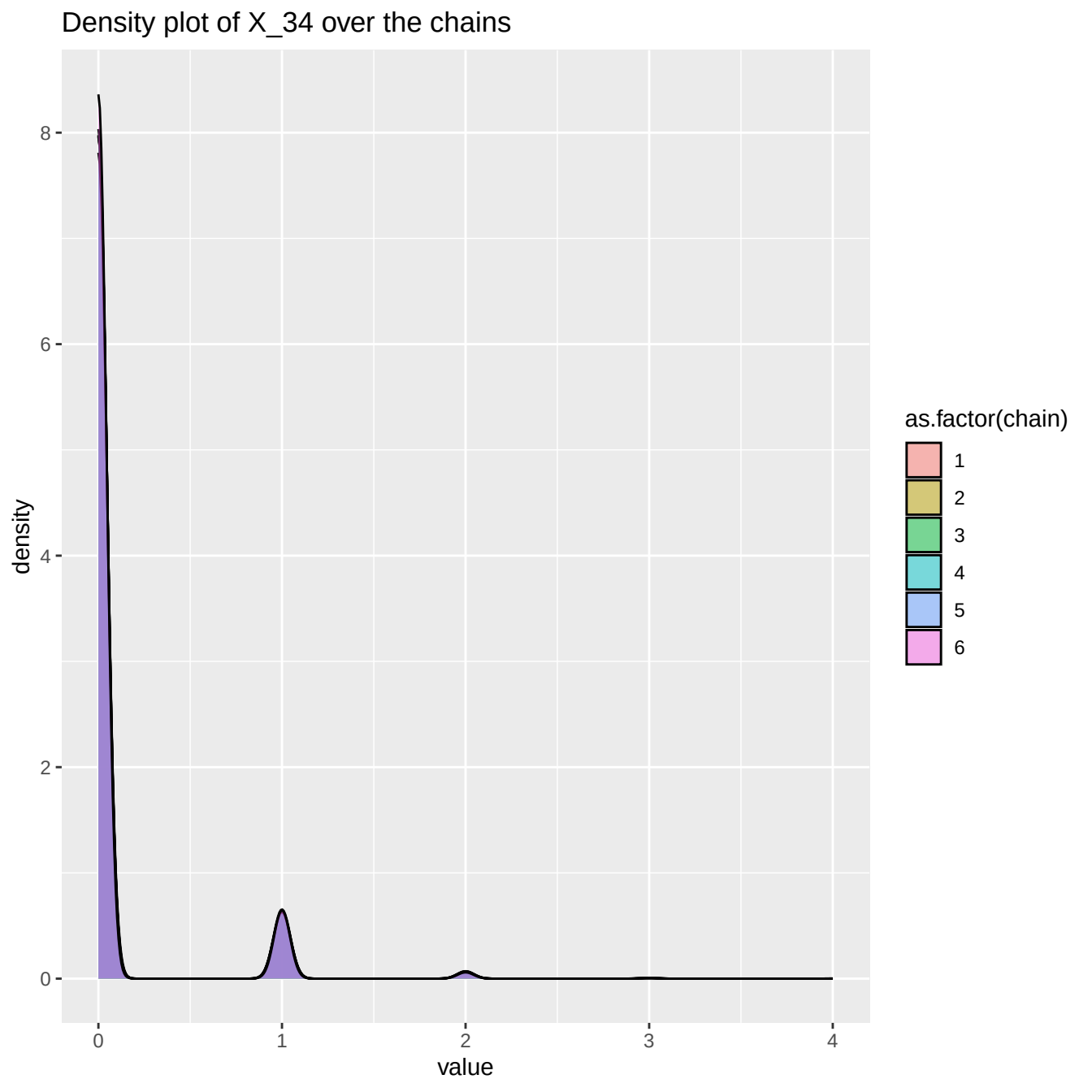

Density plot of X_29 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

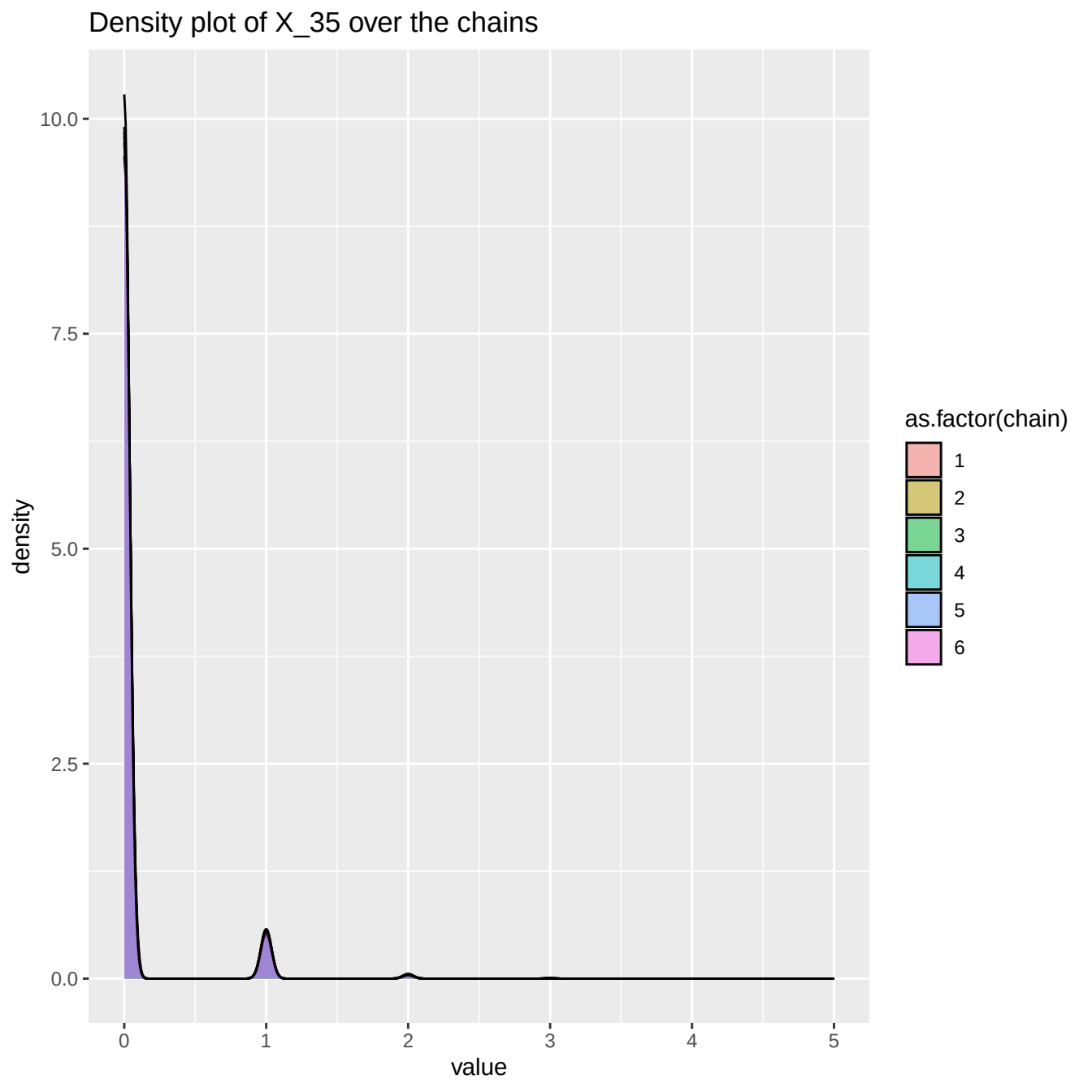

Density plot of X_30 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

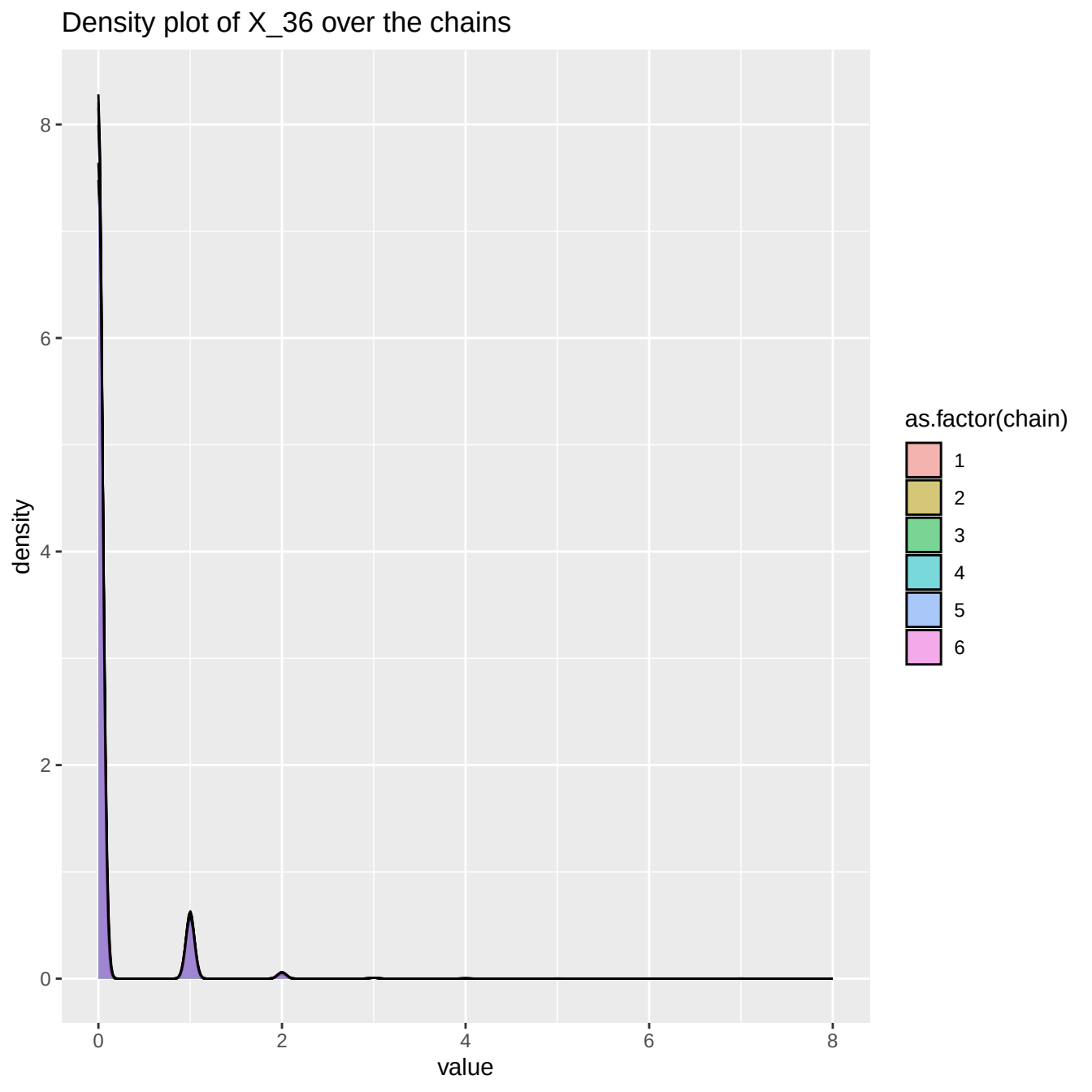

Density plot of X_31 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
8
0
1
2
3
4
5

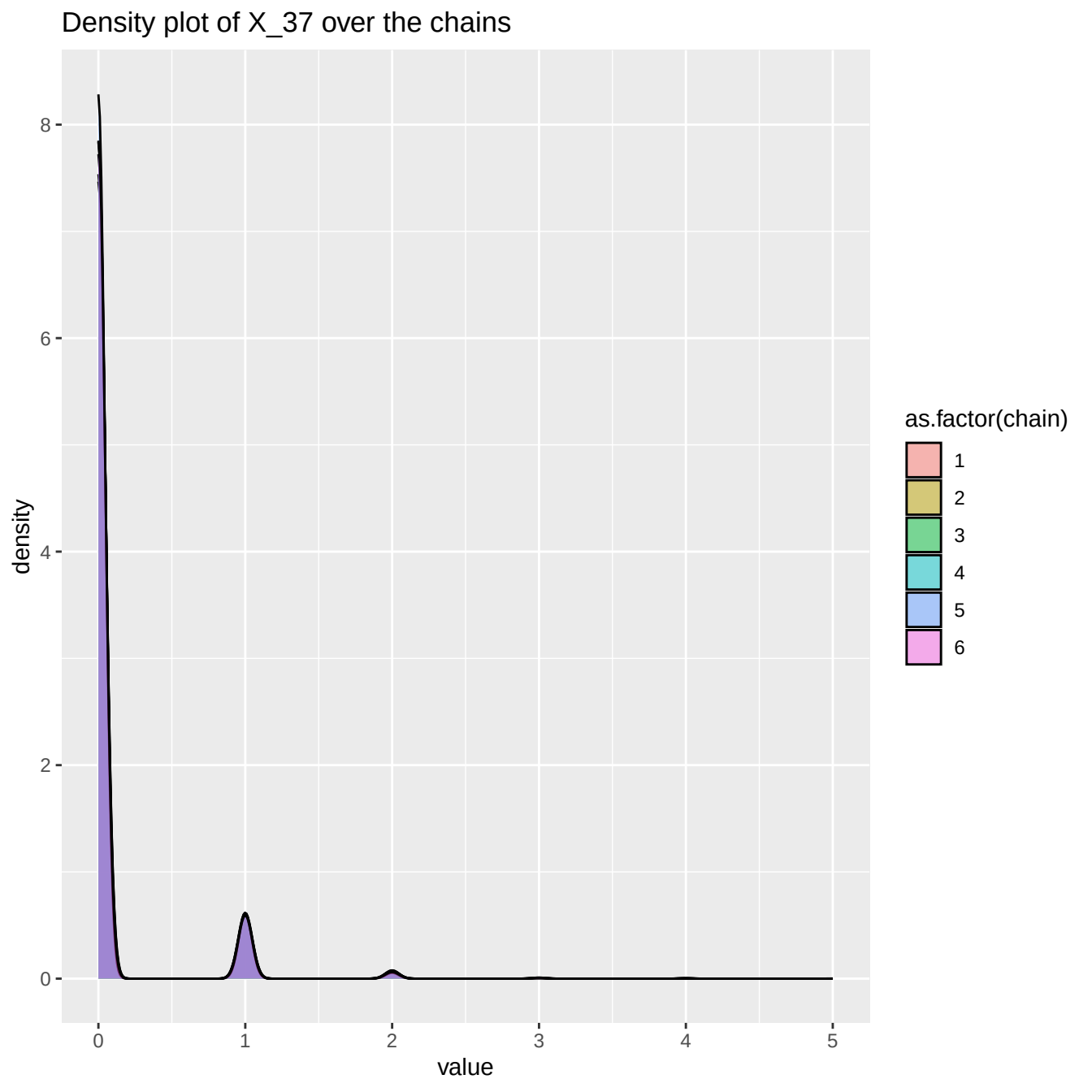

Density plot of X_32 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

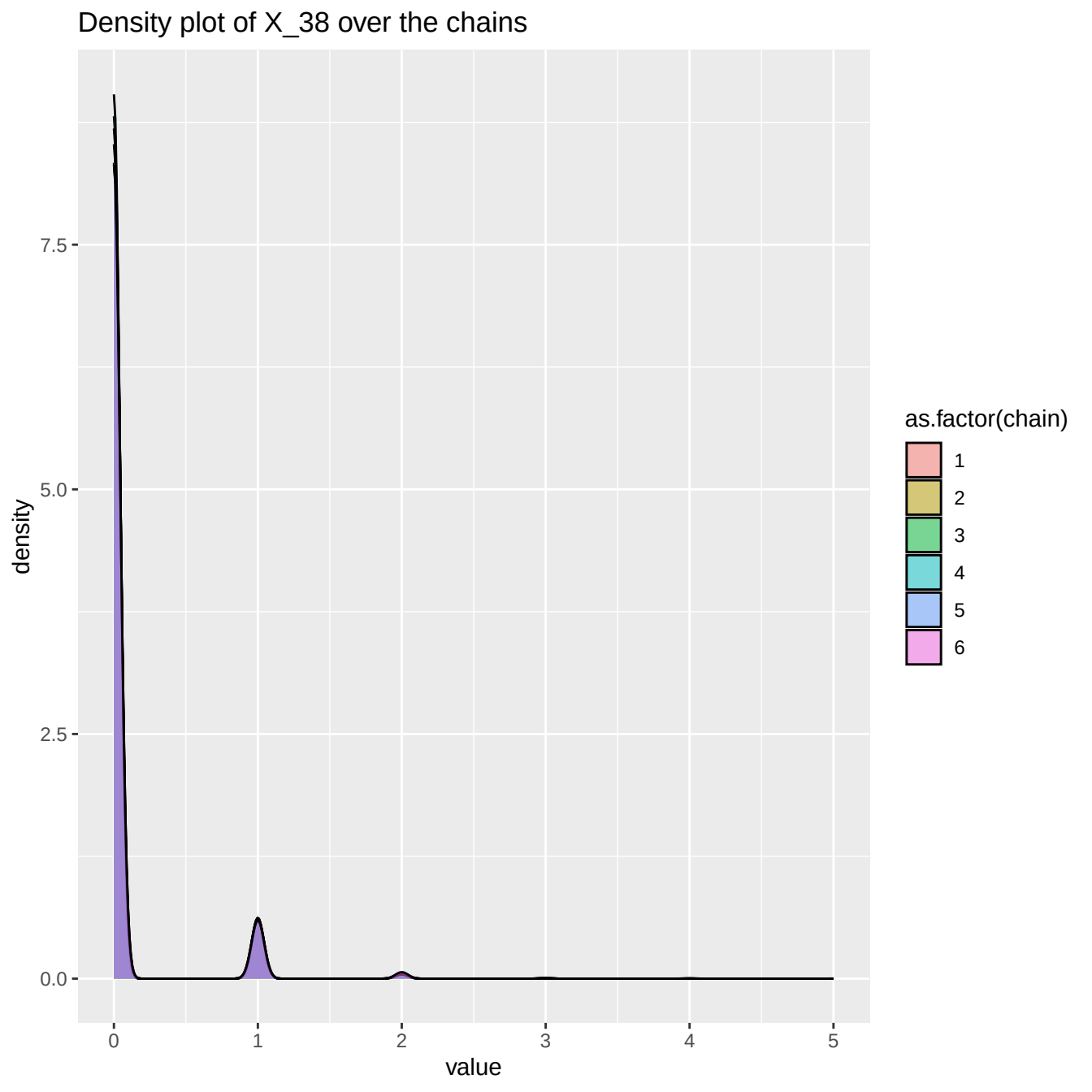

Density plot of X_33 over the chains
density
value
0
2
4
6
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

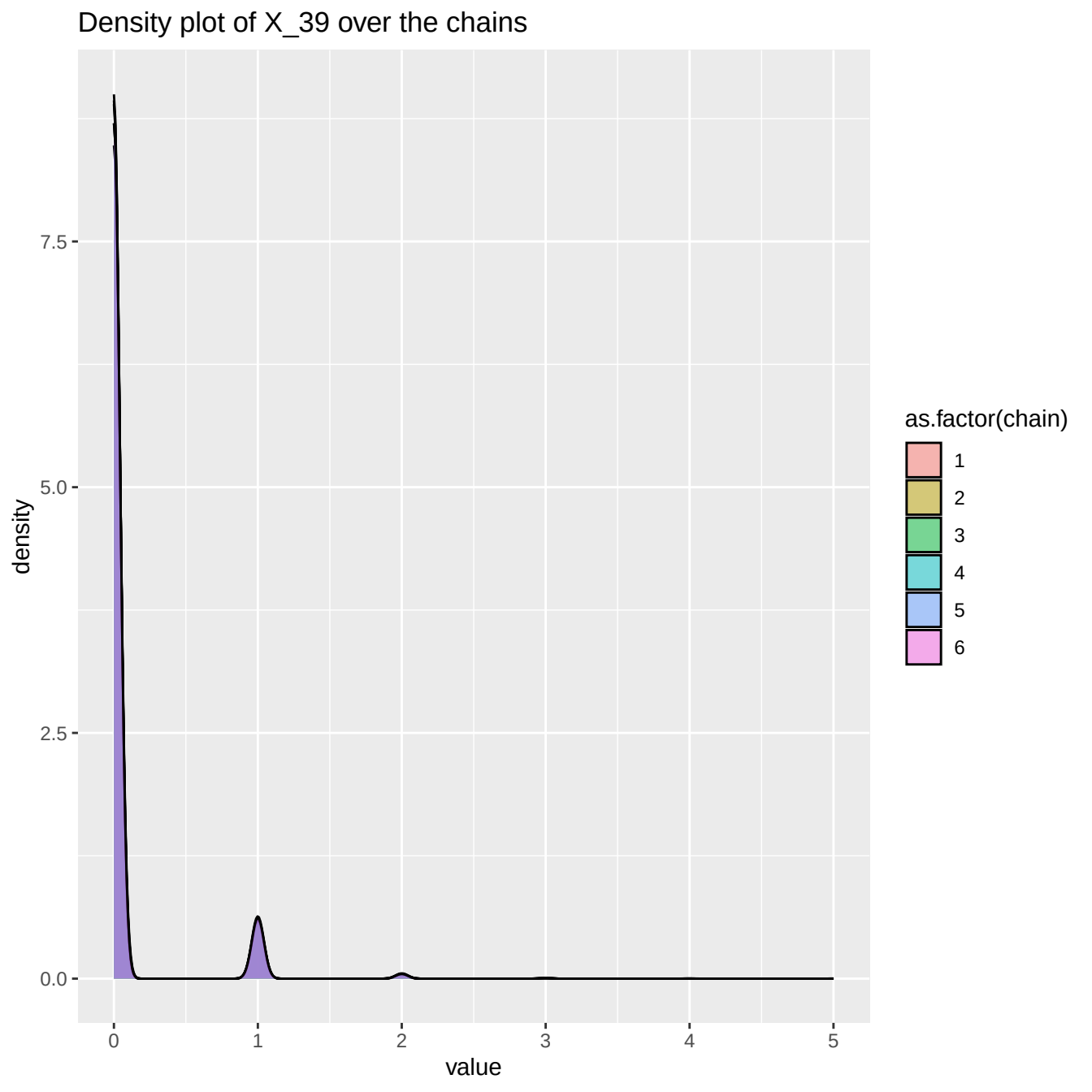

Density plot of X_34 over the chains
density
8
6
4
2
0
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

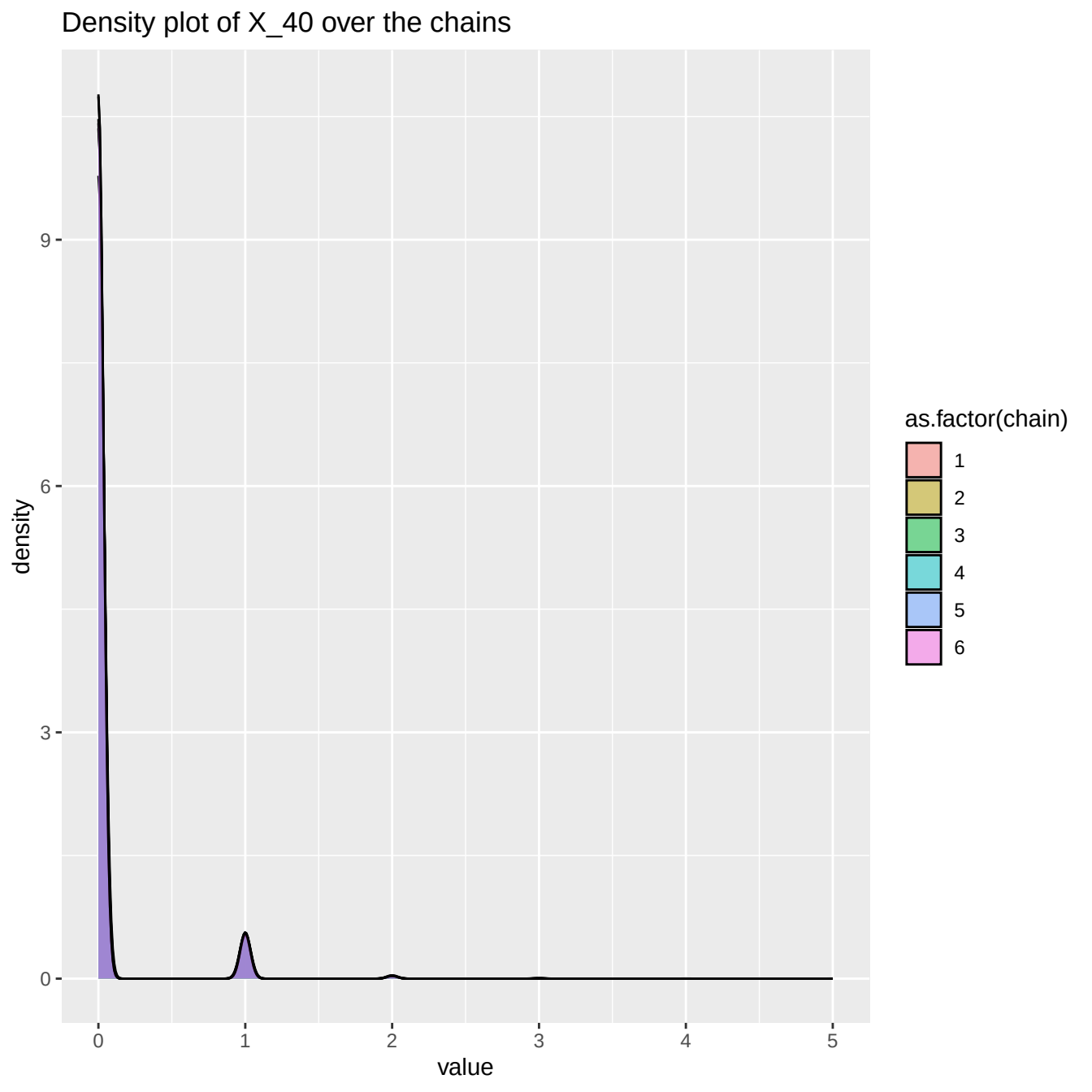

Density plot of X_35 over the chains
density
10.0
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

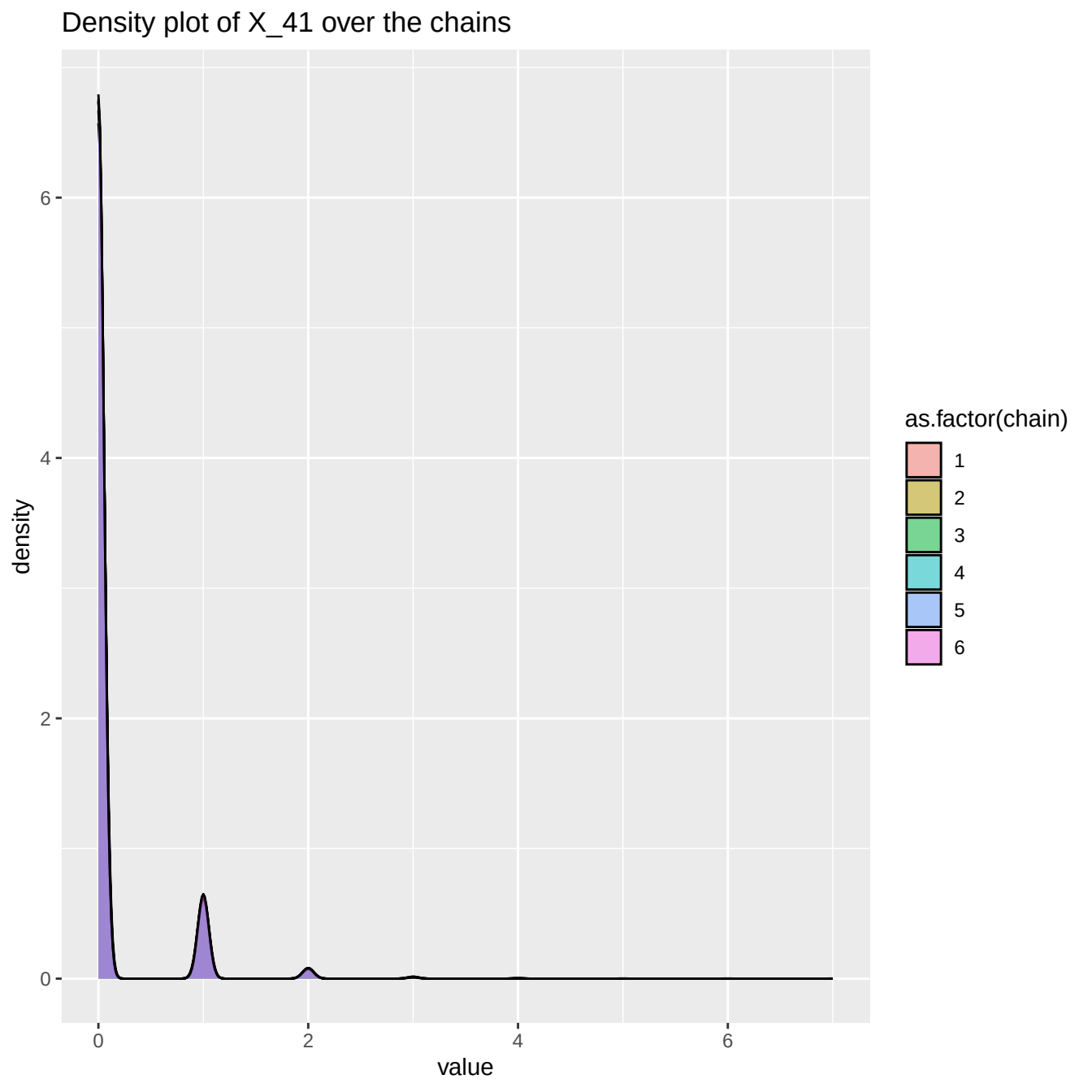

Density plot of X_36 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

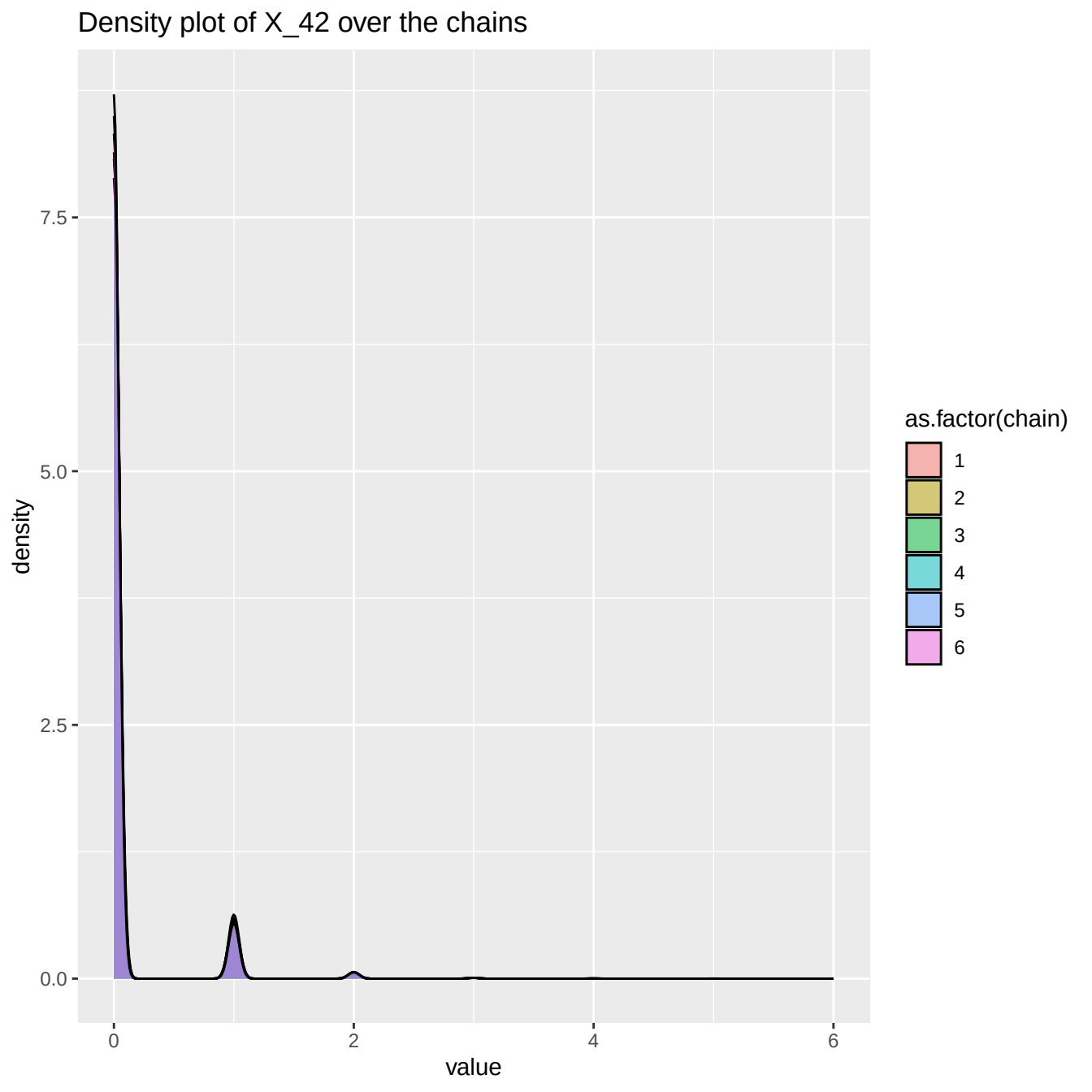

Density plot of X_37 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

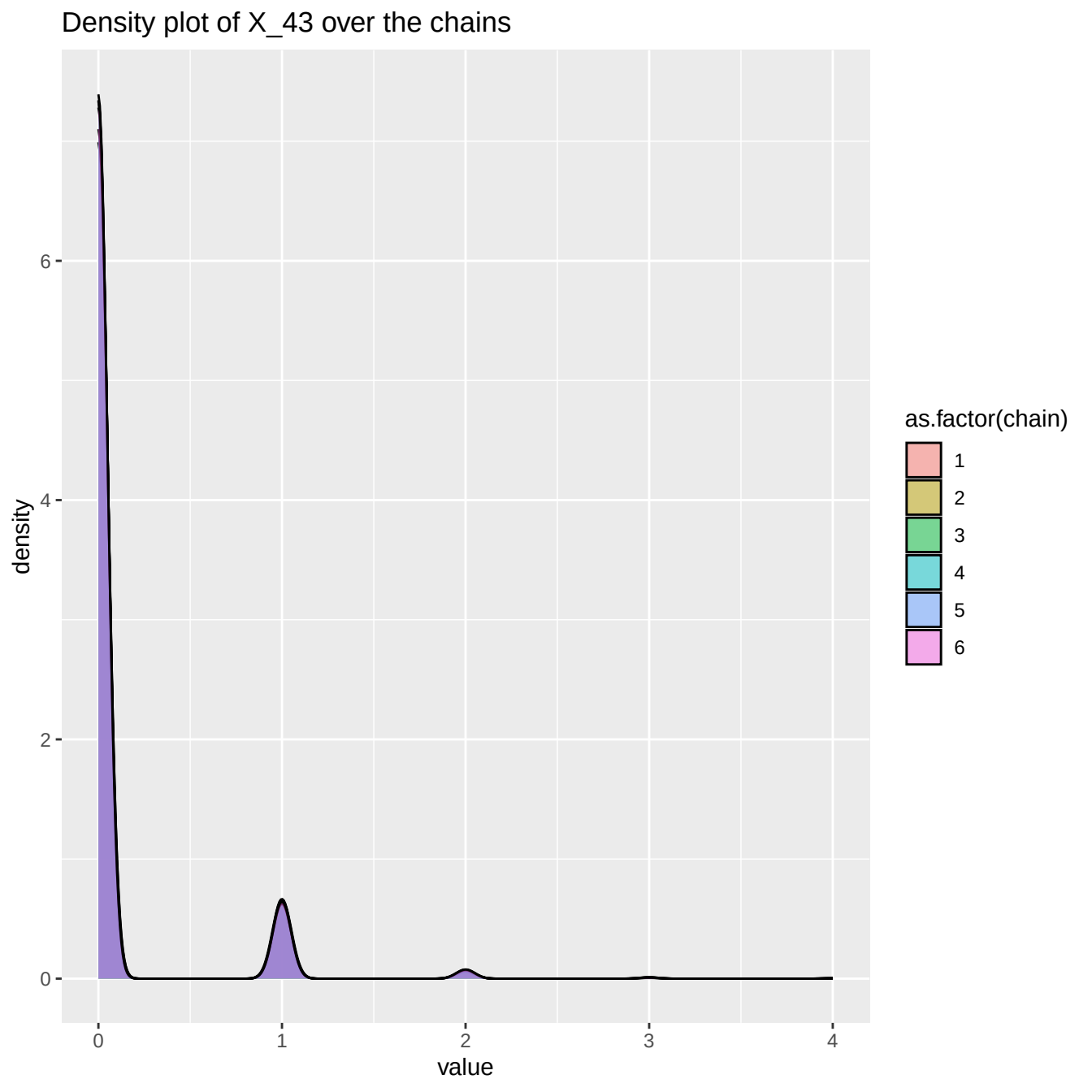

Density plot of X_38 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

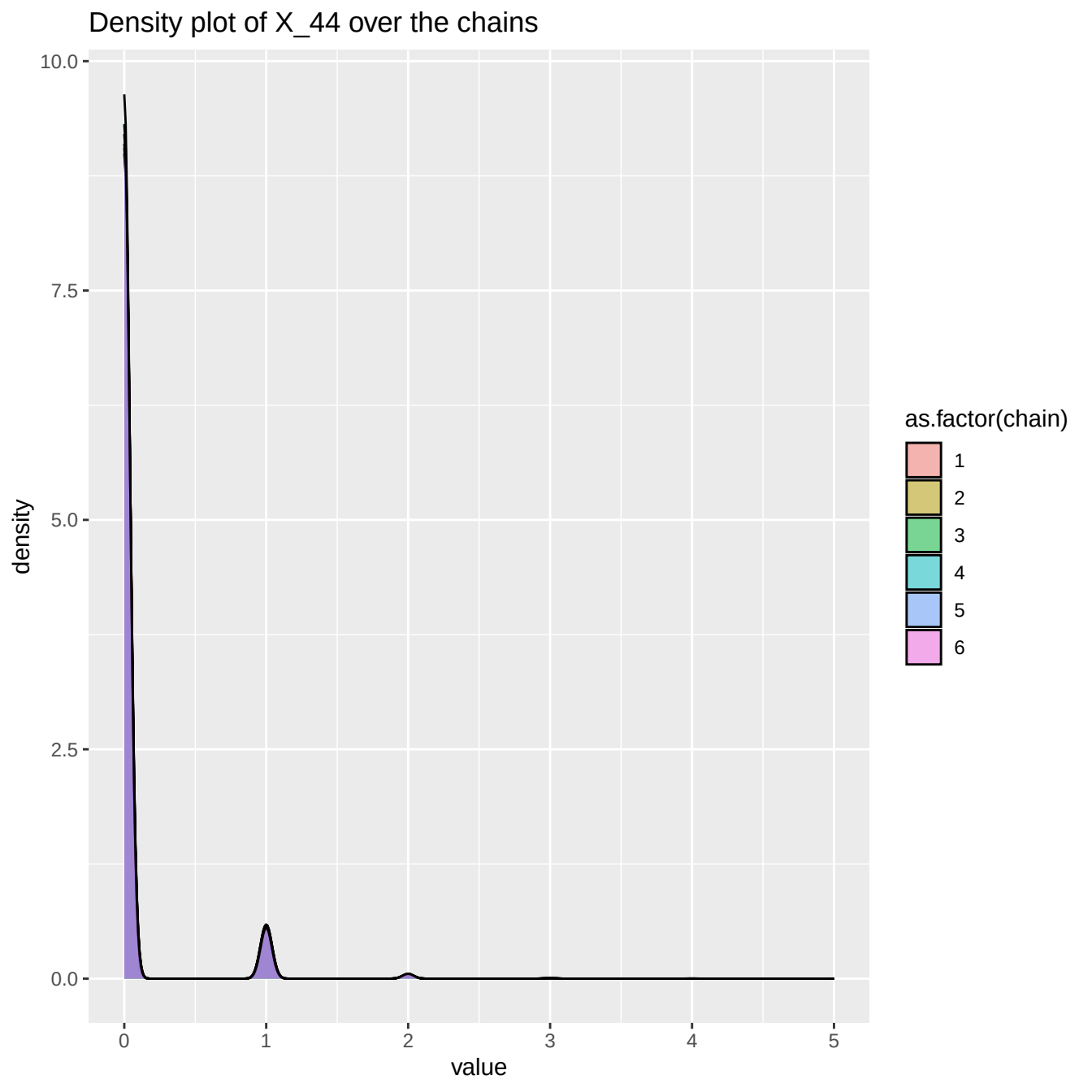

Density plot of X_39 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

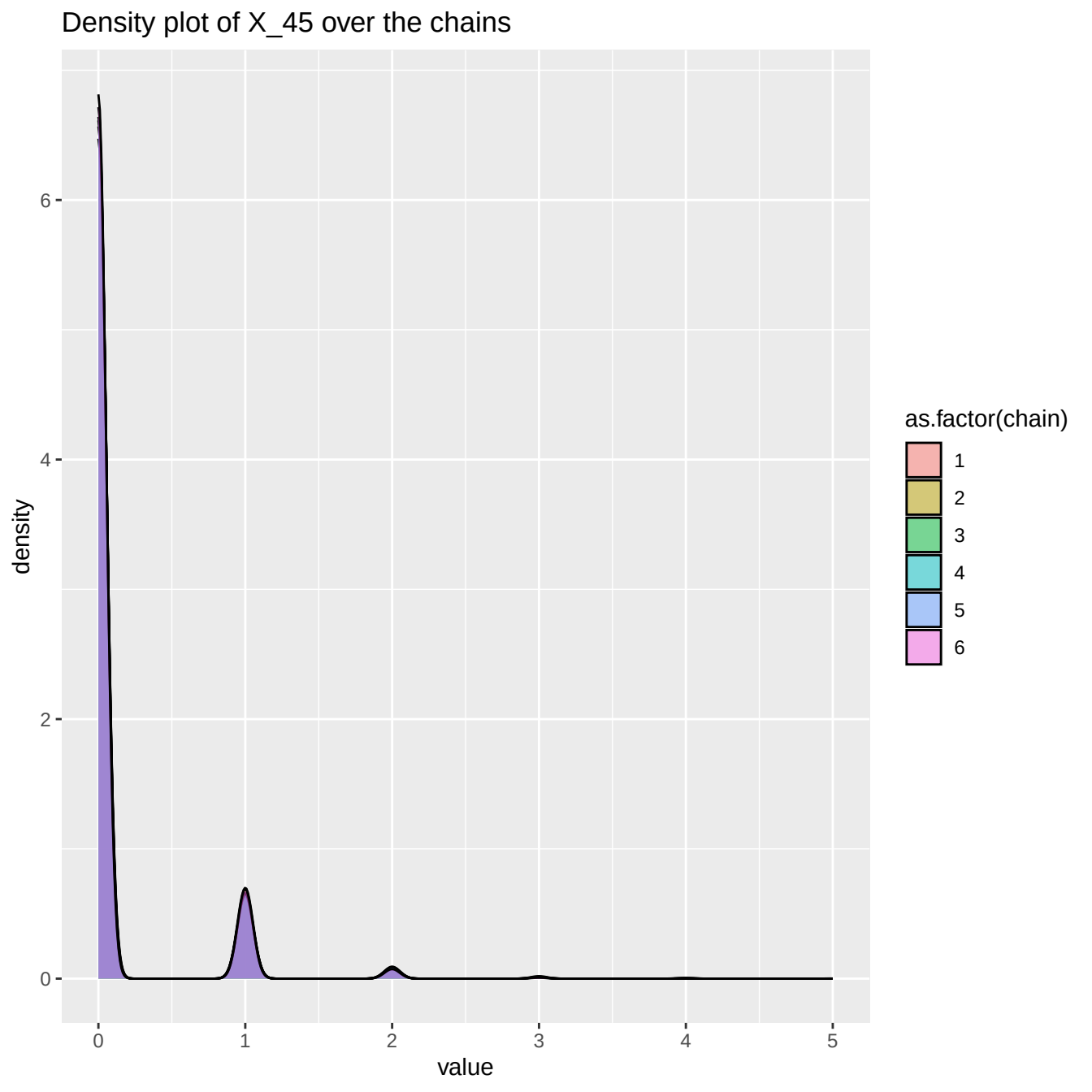

Density plot of X_40 over the chains
density
9
6
3
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

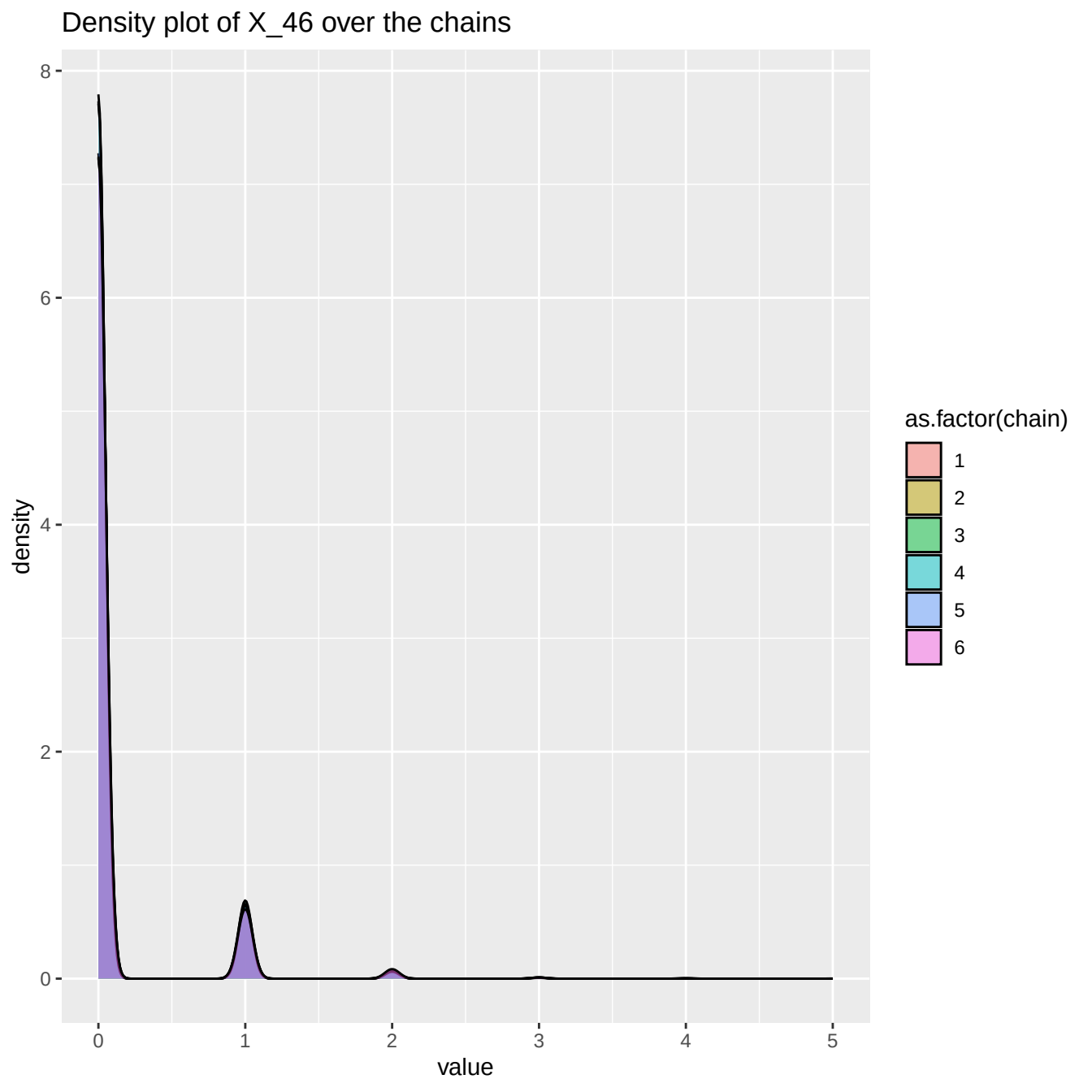

Density plot of X_41 over the chains
density
value
0
2
4
6
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

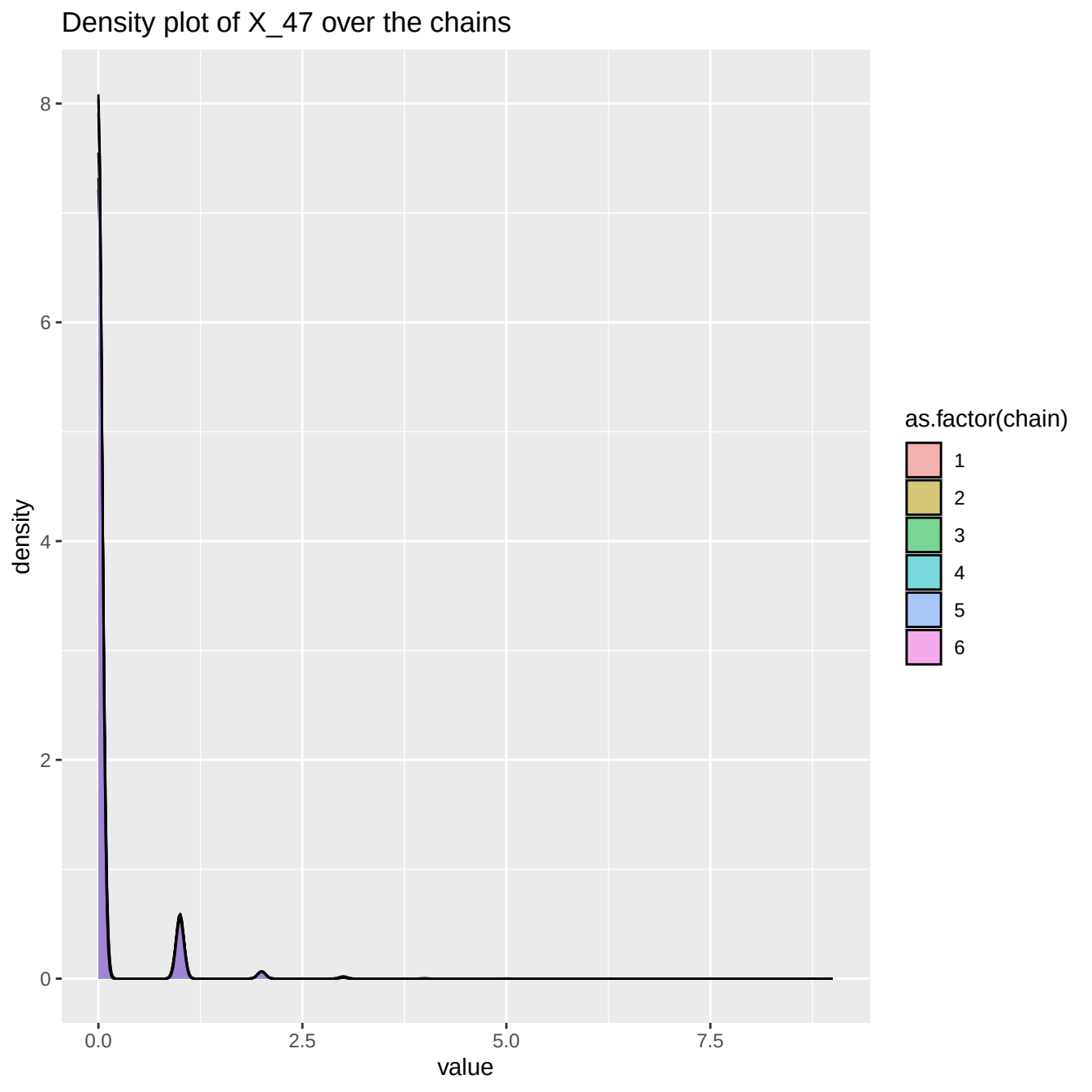

Density plot of X_42 over the chains
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

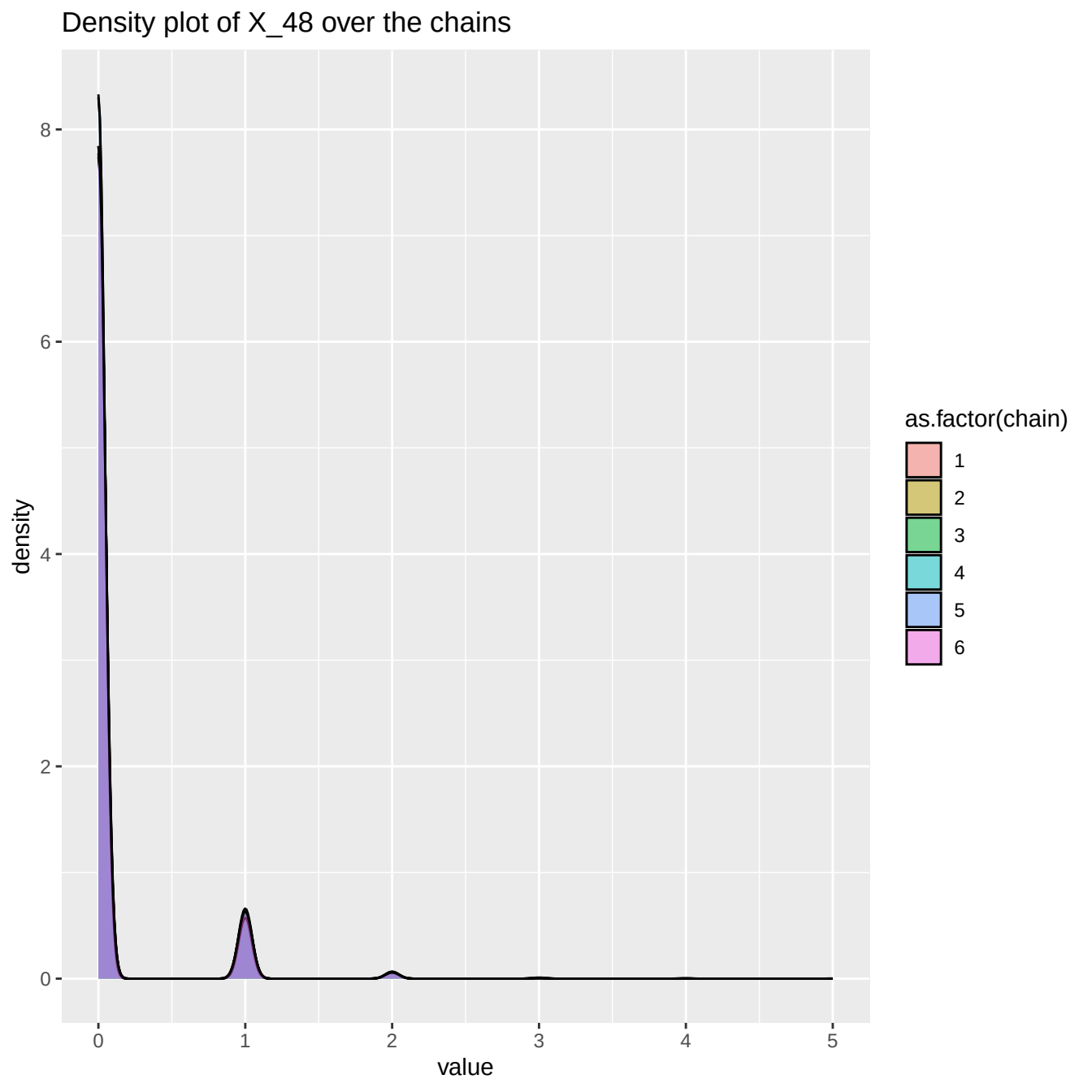

Density plot of X_43 over the chains
density
value
0
2
4
6
0
1
2
3
4
as.factor(chain)
1
2
3
4
5
6

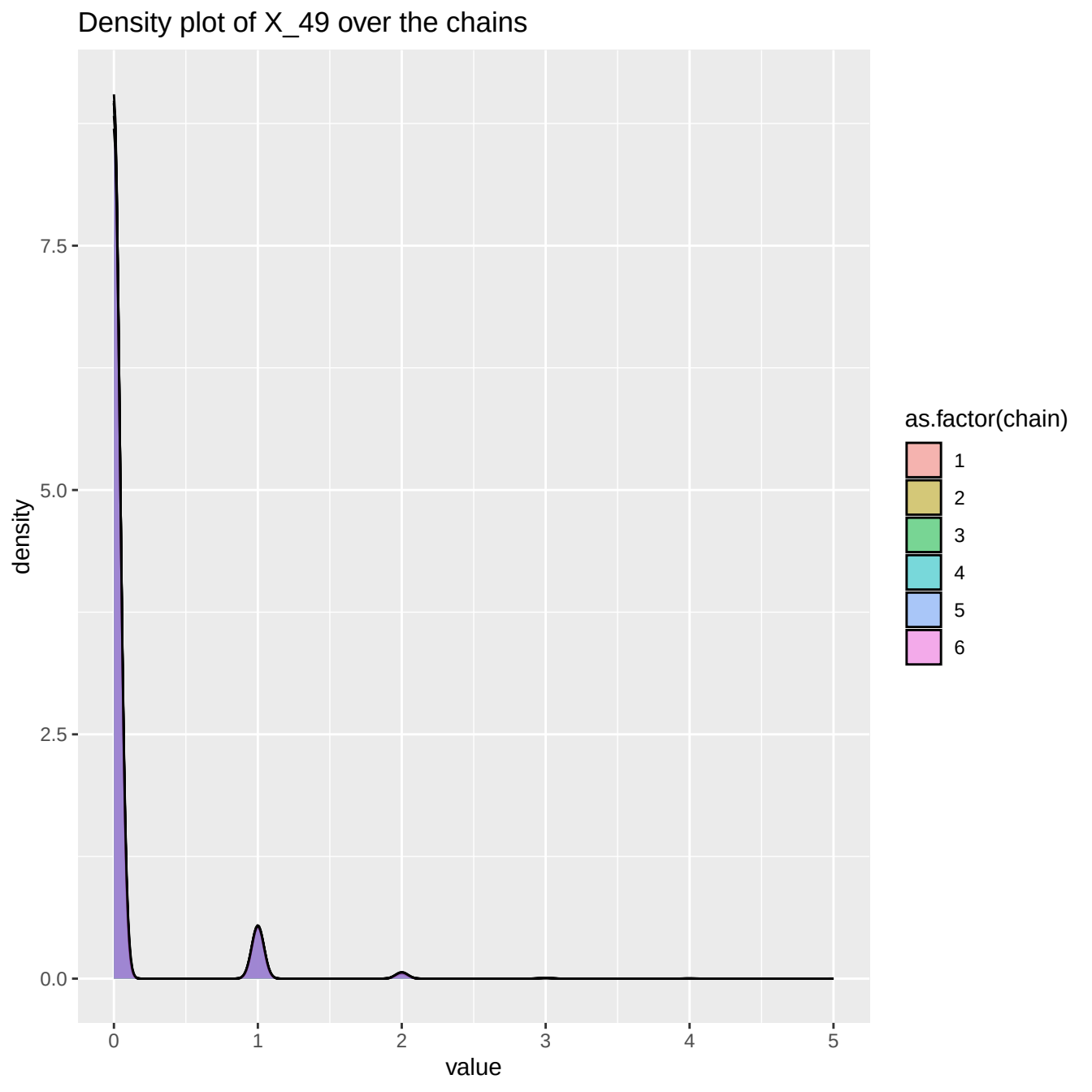

Density plot of X_44 over the chains
density
value
10.0
7.5
5.0
2.5
0.0
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

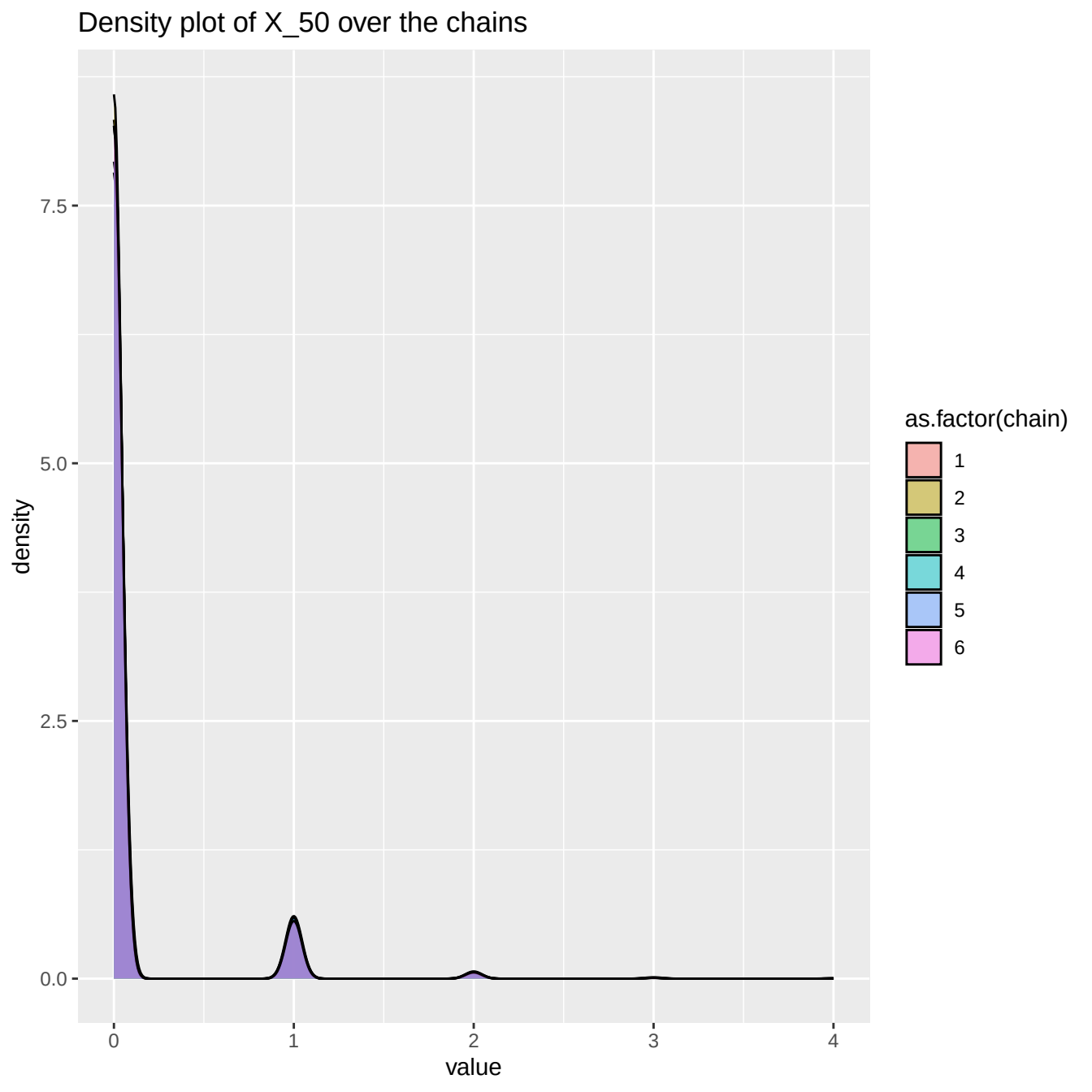

Density plot of X_45 over the chains
density
value
0
2
4
6
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

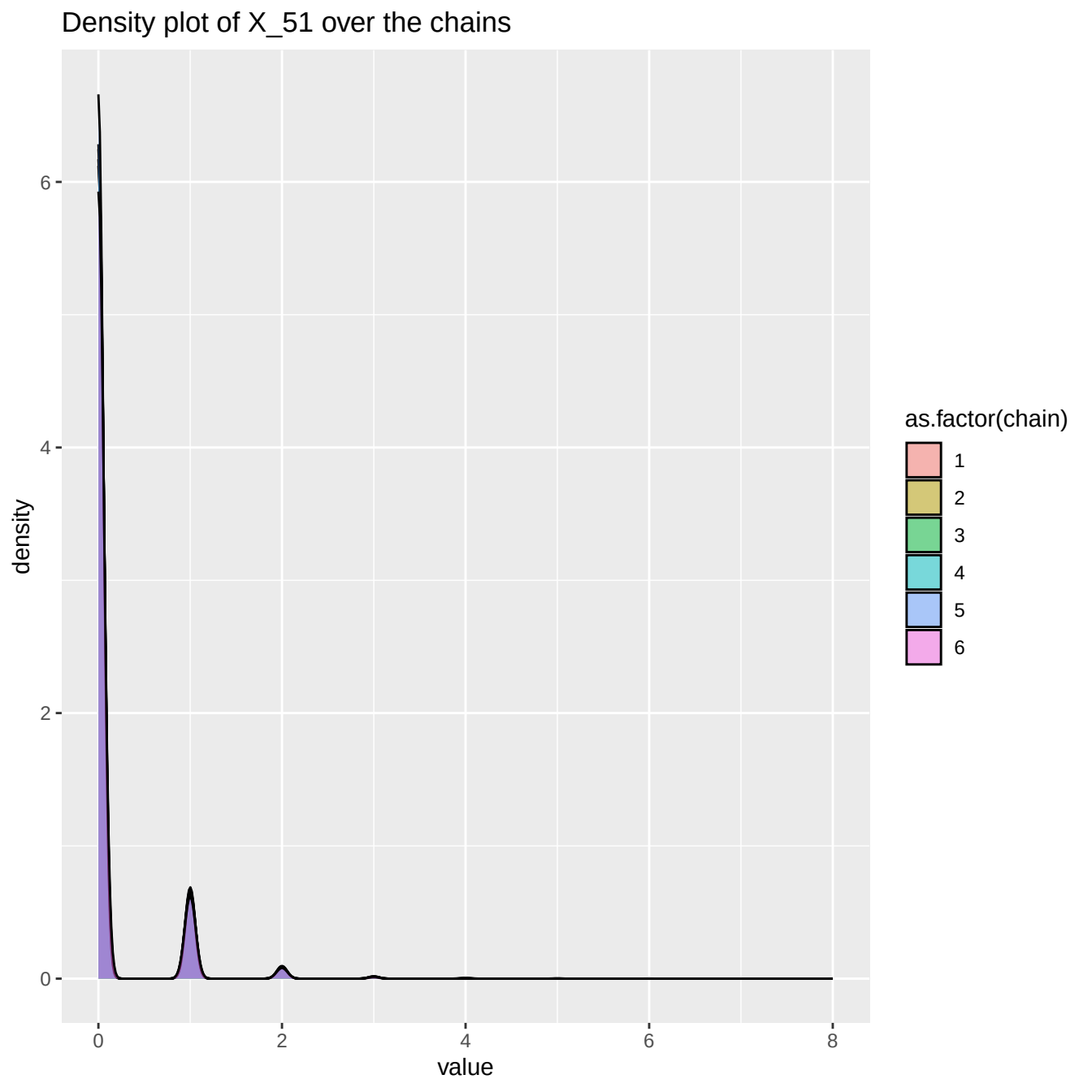

Density plot of X_46 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
8
0
1
2
3
4
5

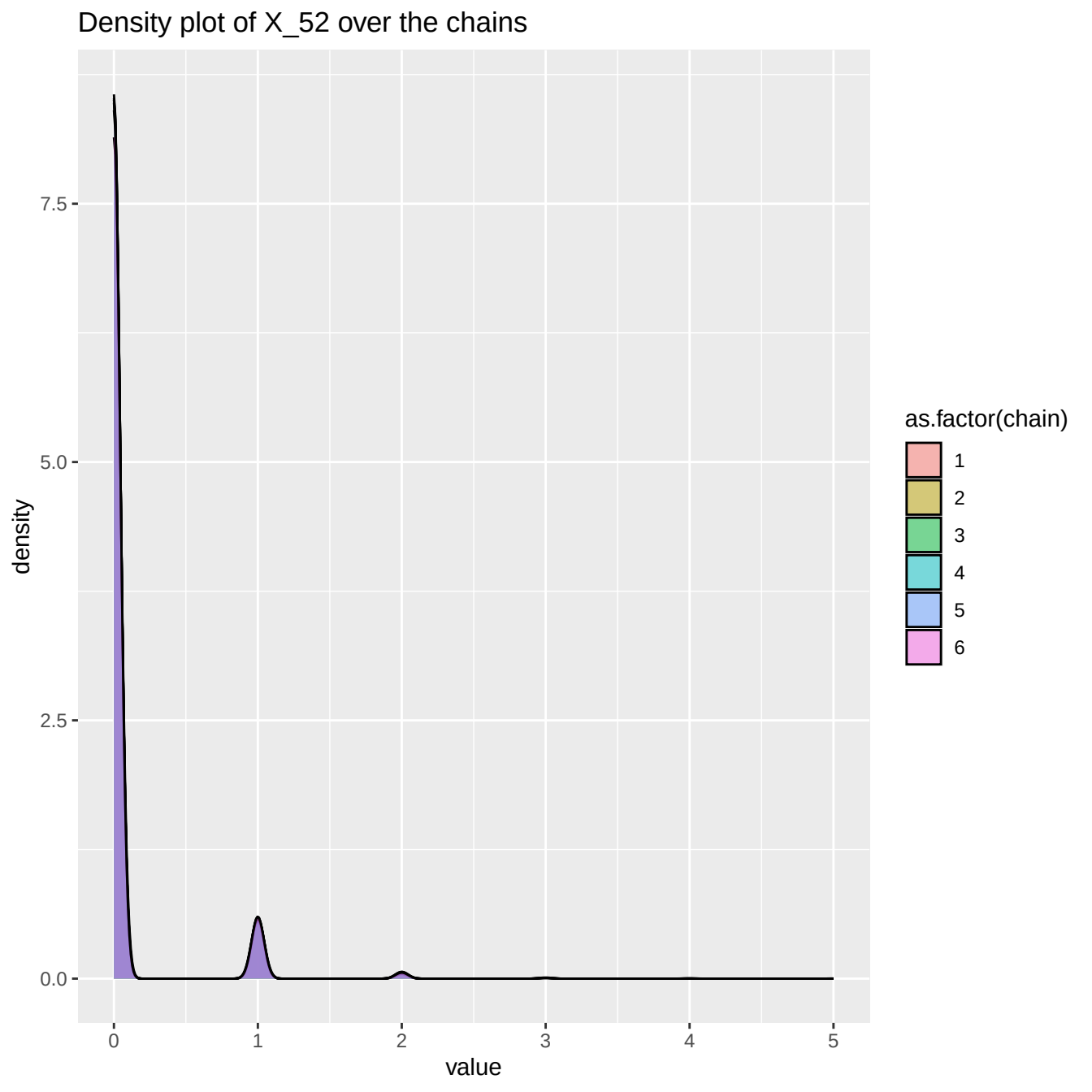

Density plot of X_47 over the chains
density
value
0
2
4
6
8
0.0
2.5
5.0
7.5
as.factor(chain)
1
2
3
4
5
6

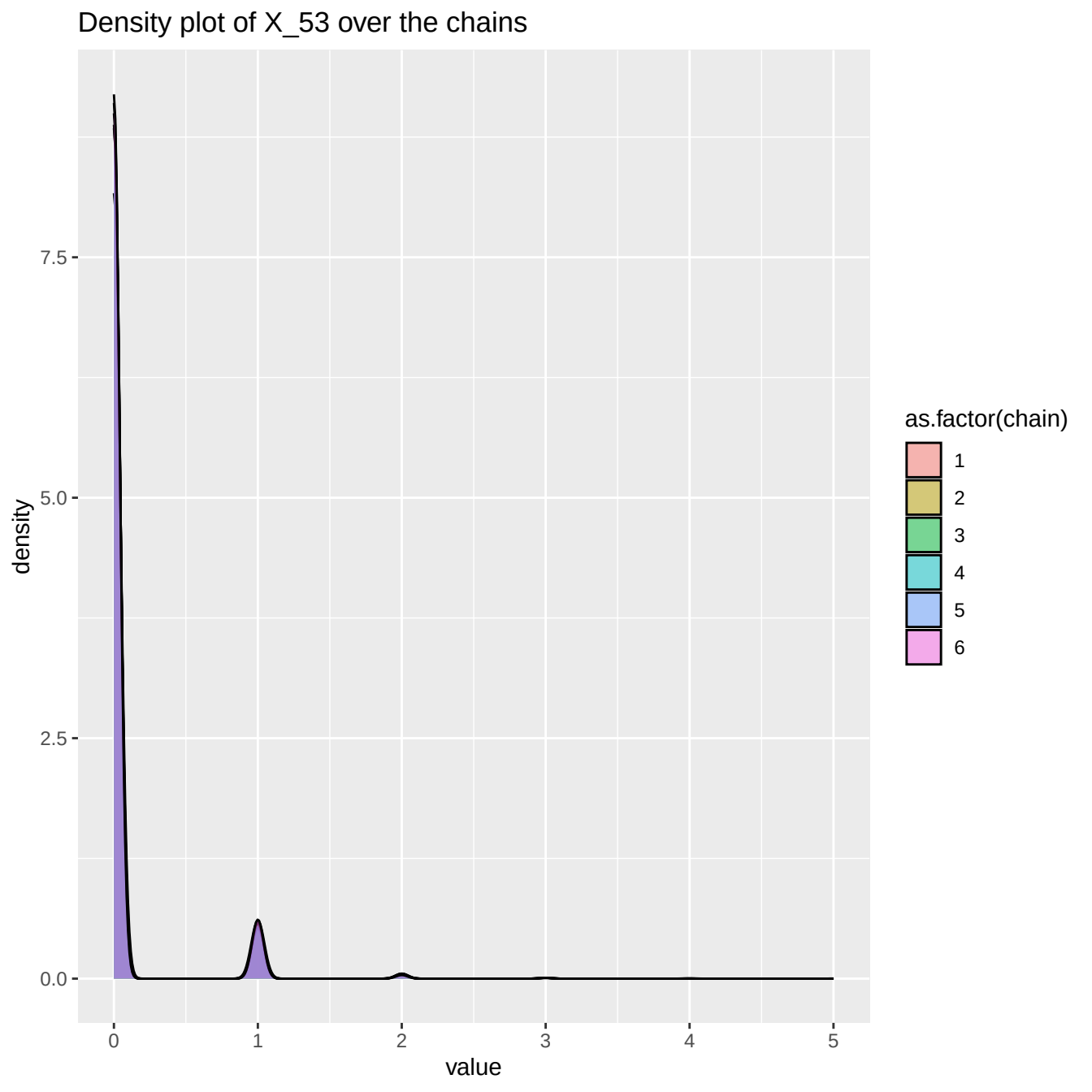

Density plot of X_48 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

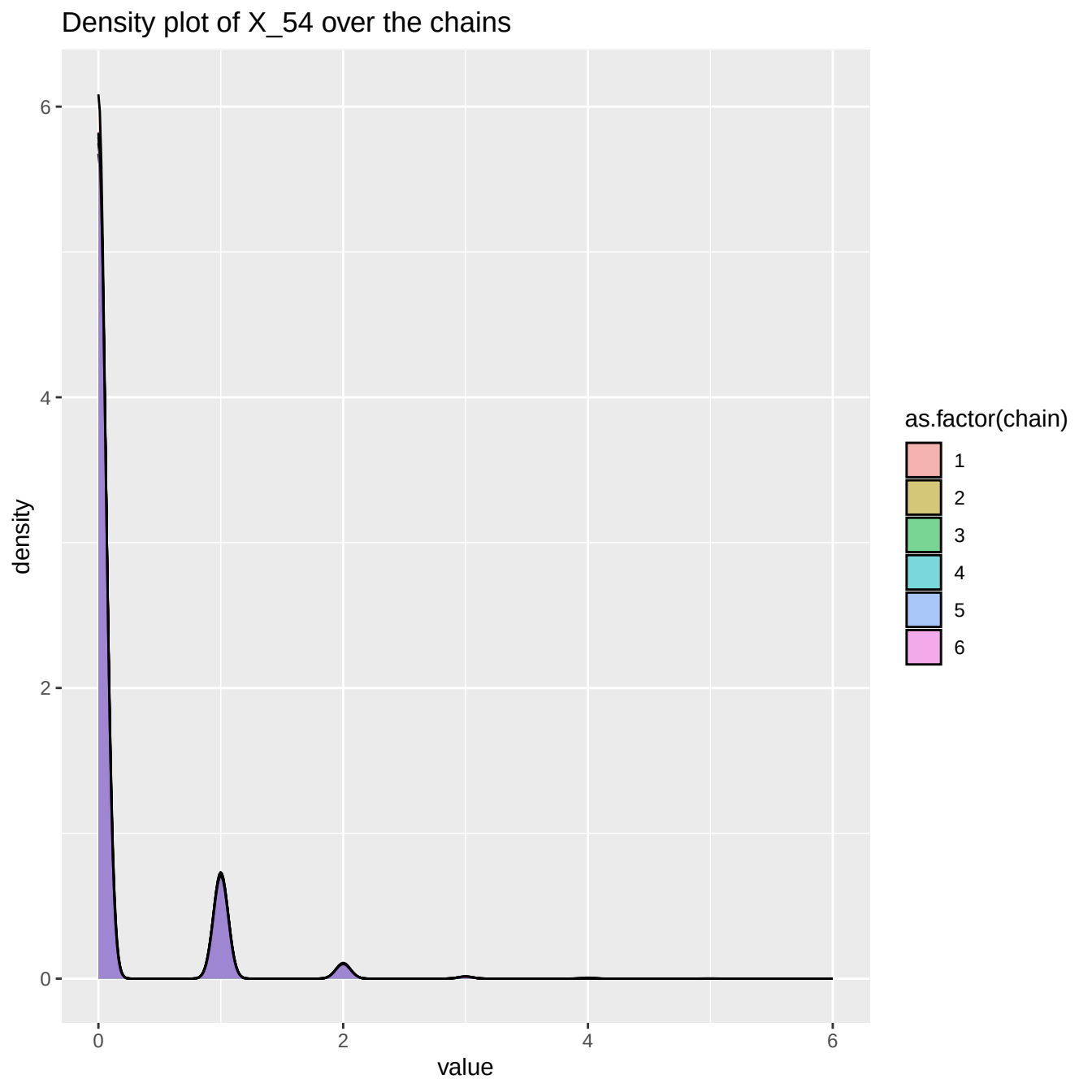

Density plot of X_49 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

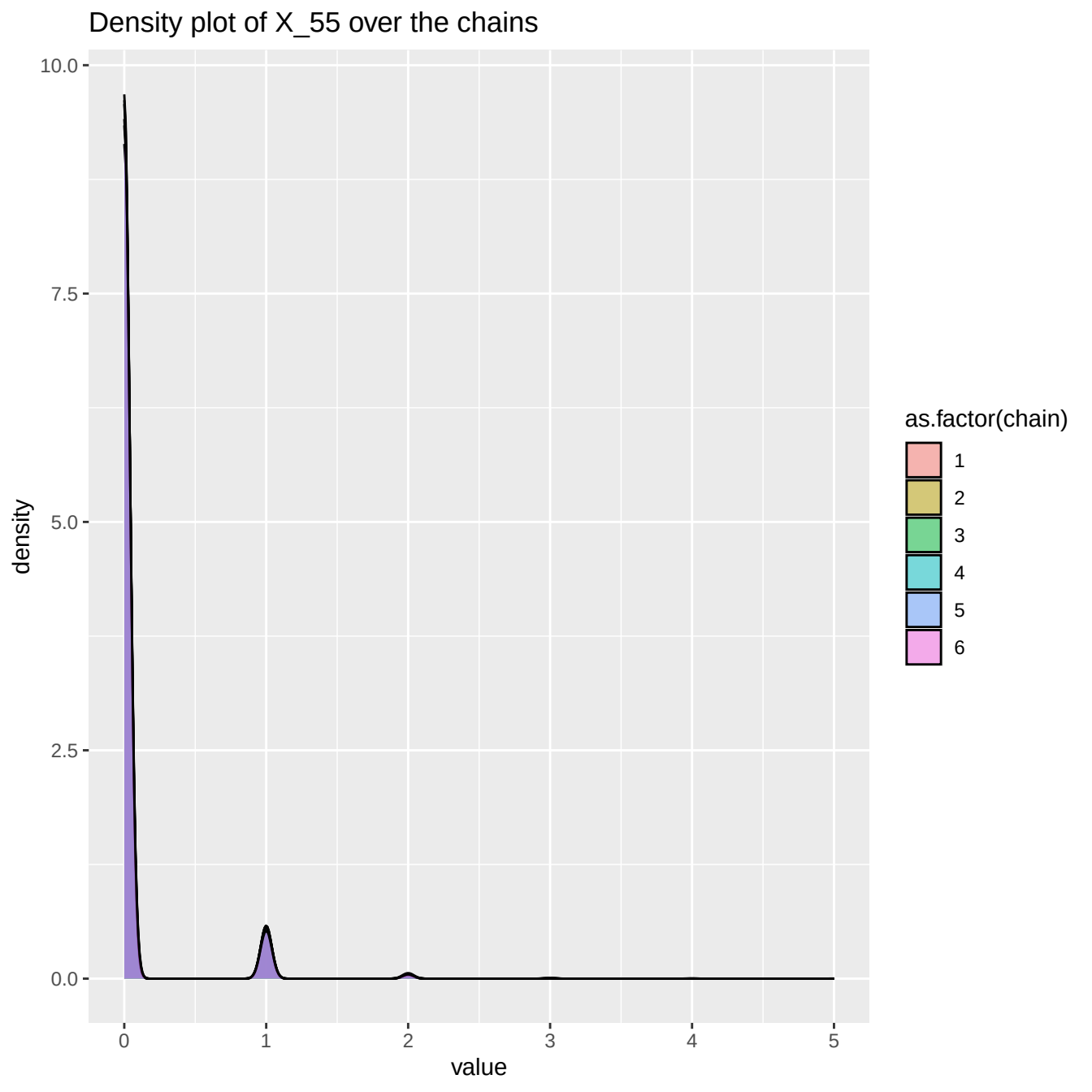

Density plot of X_50 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

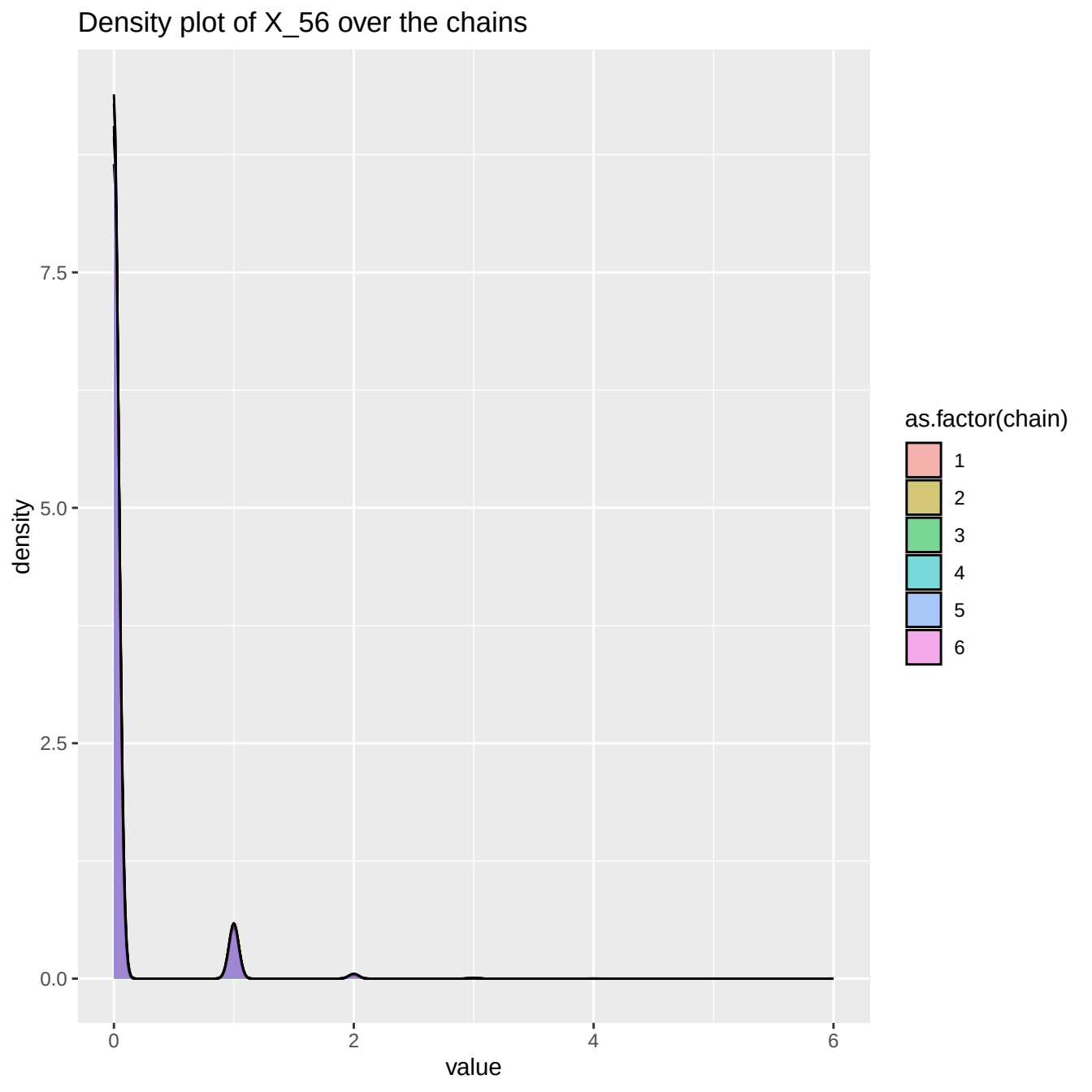

Density plot of X_51 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

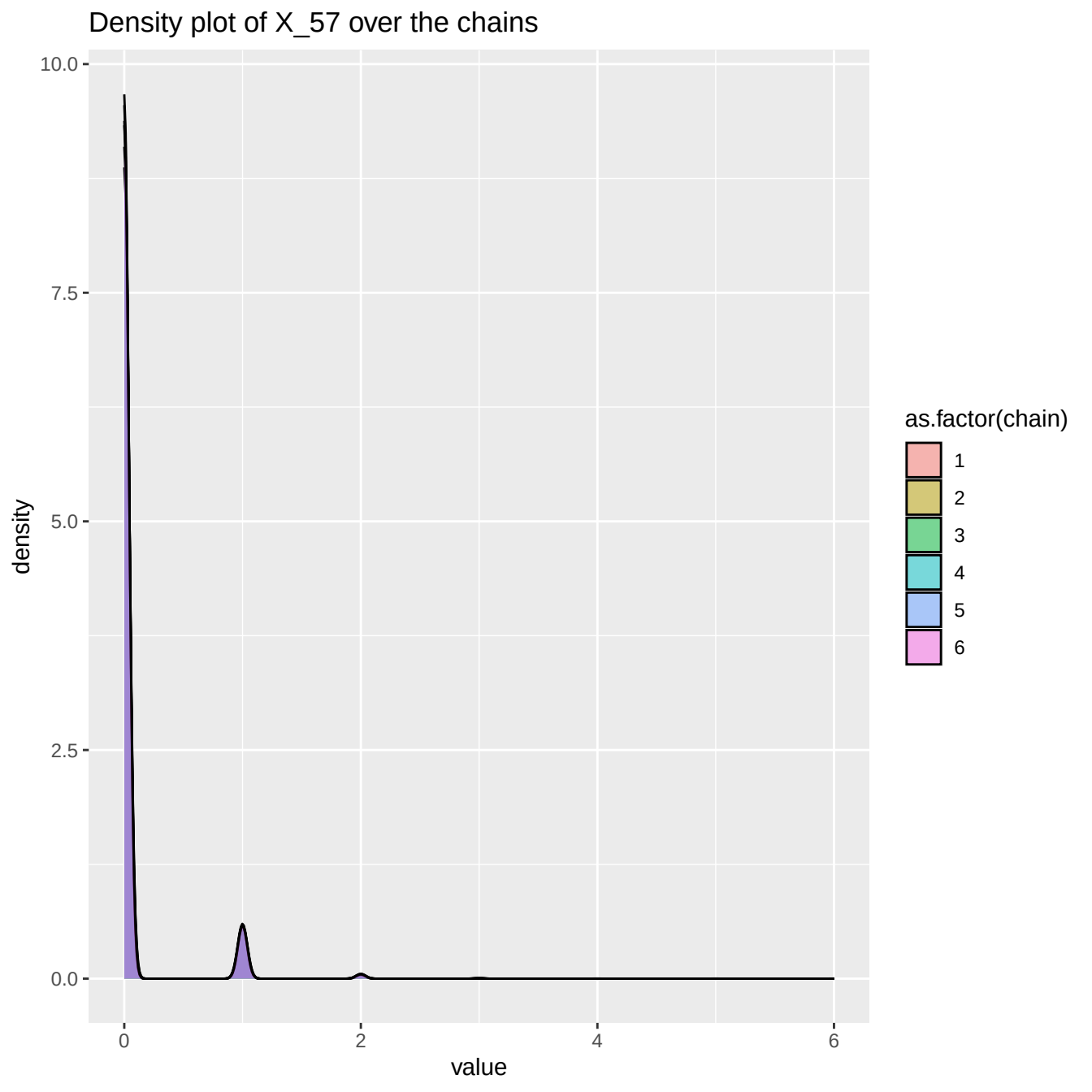

Density plot of X_52 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

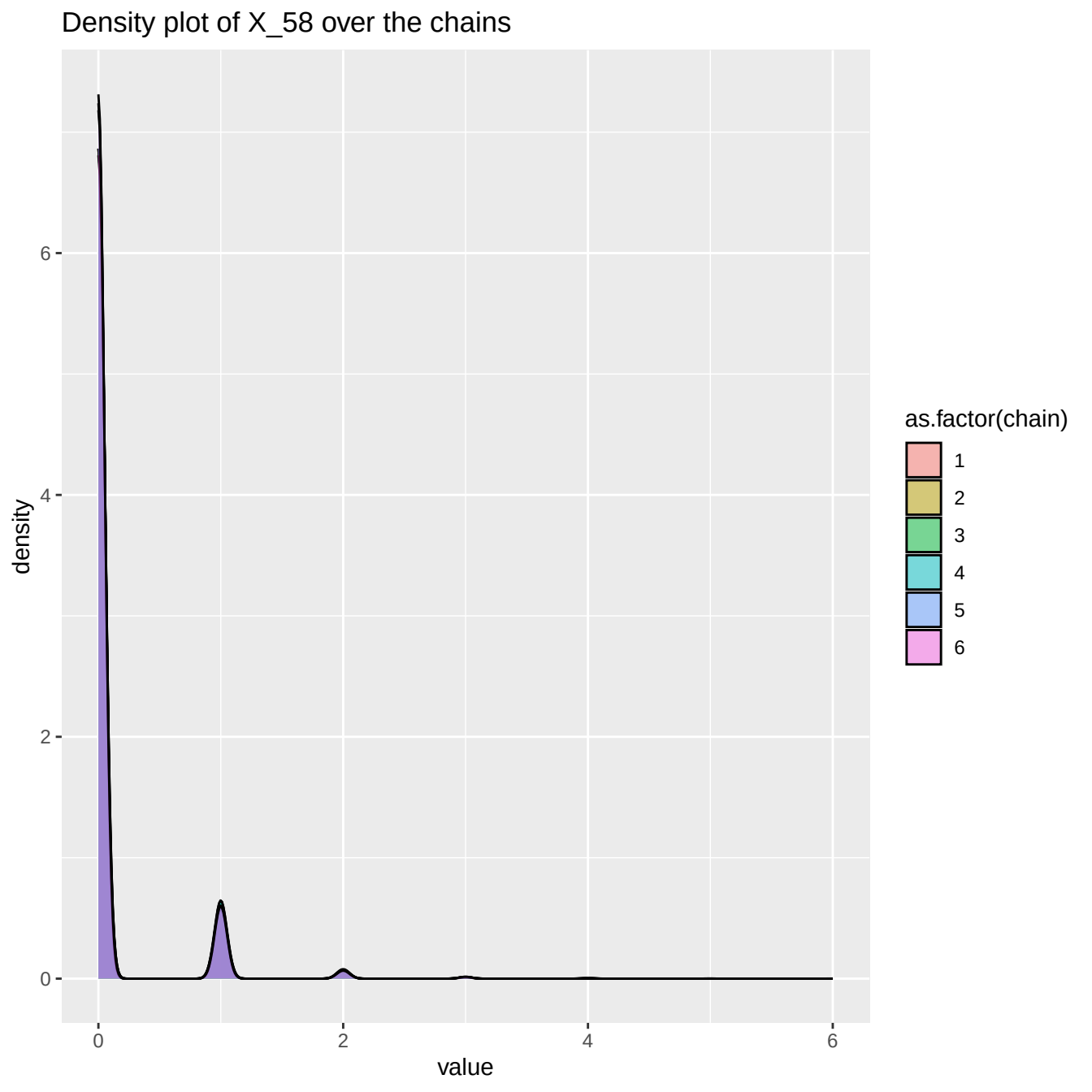

Density plot of X_53 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

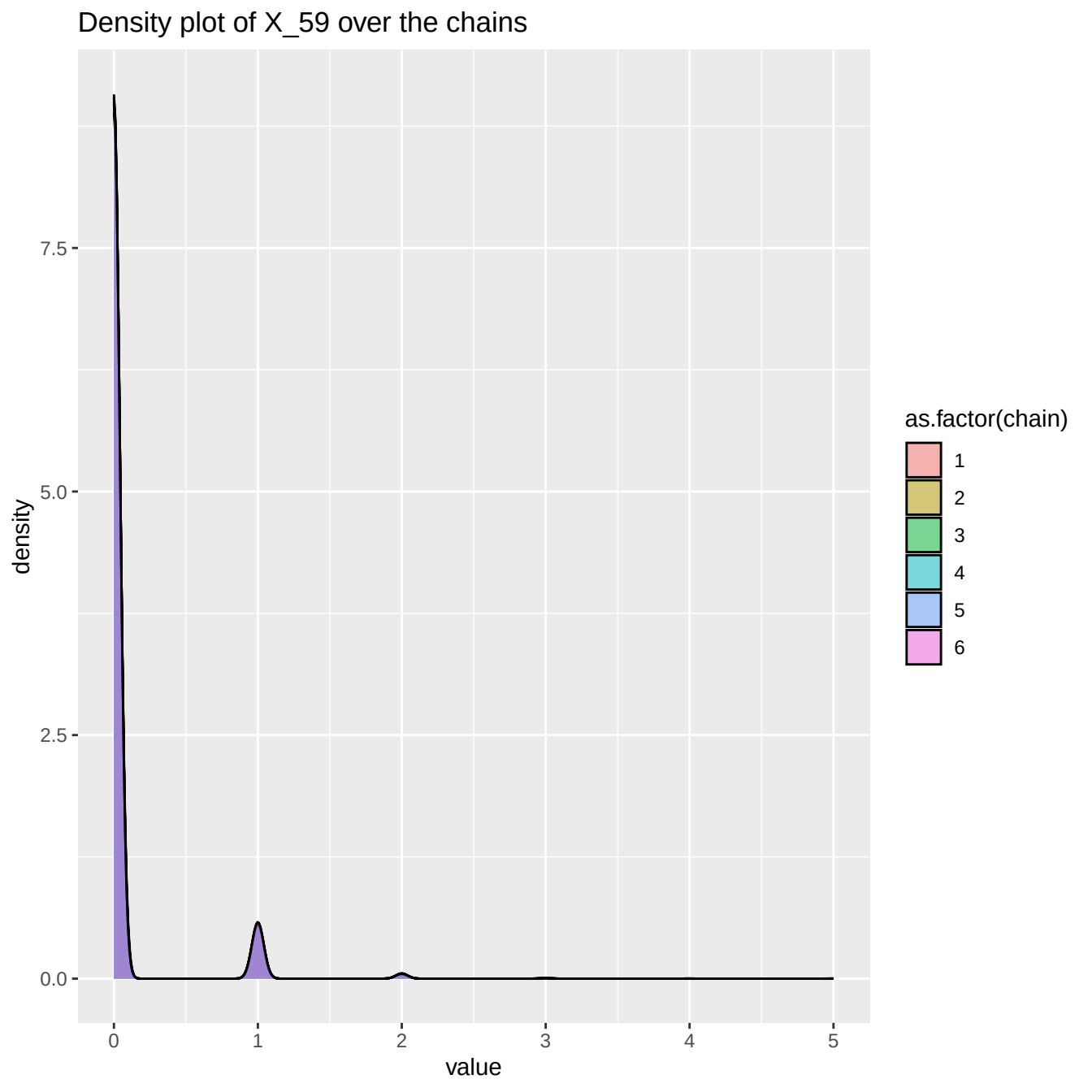

Density plot of X_54 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

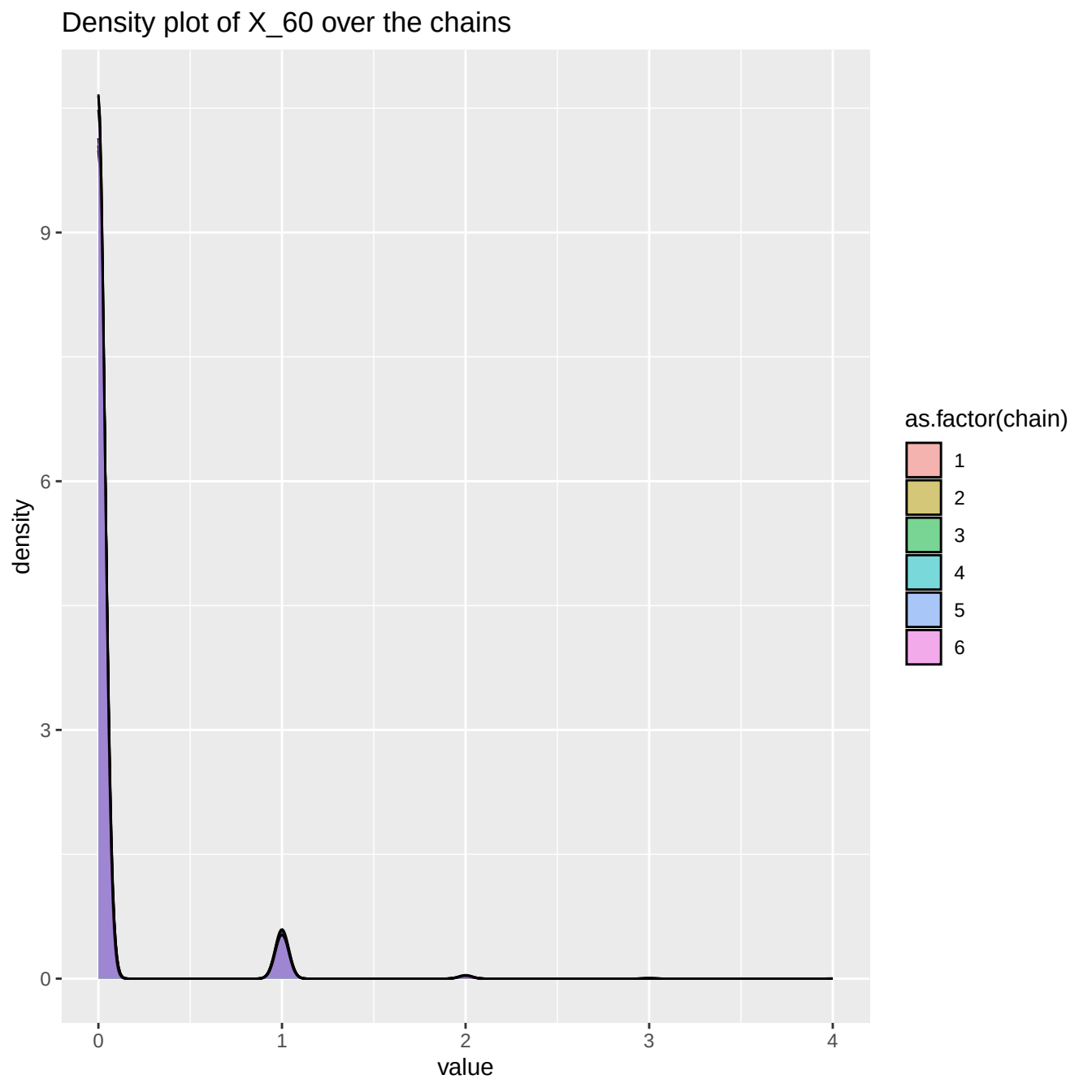

Density plot of X_55 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

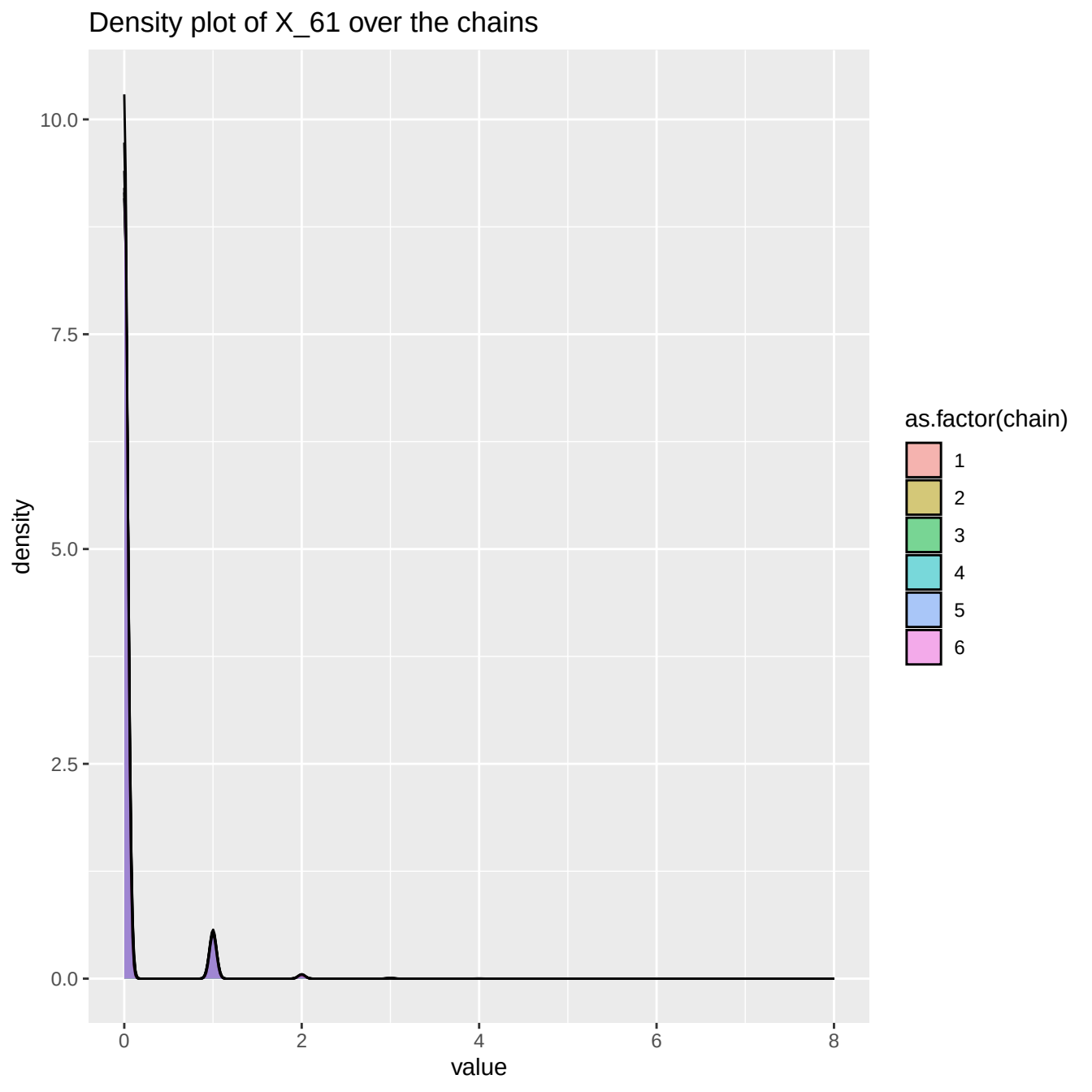

Density plot of X_56 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

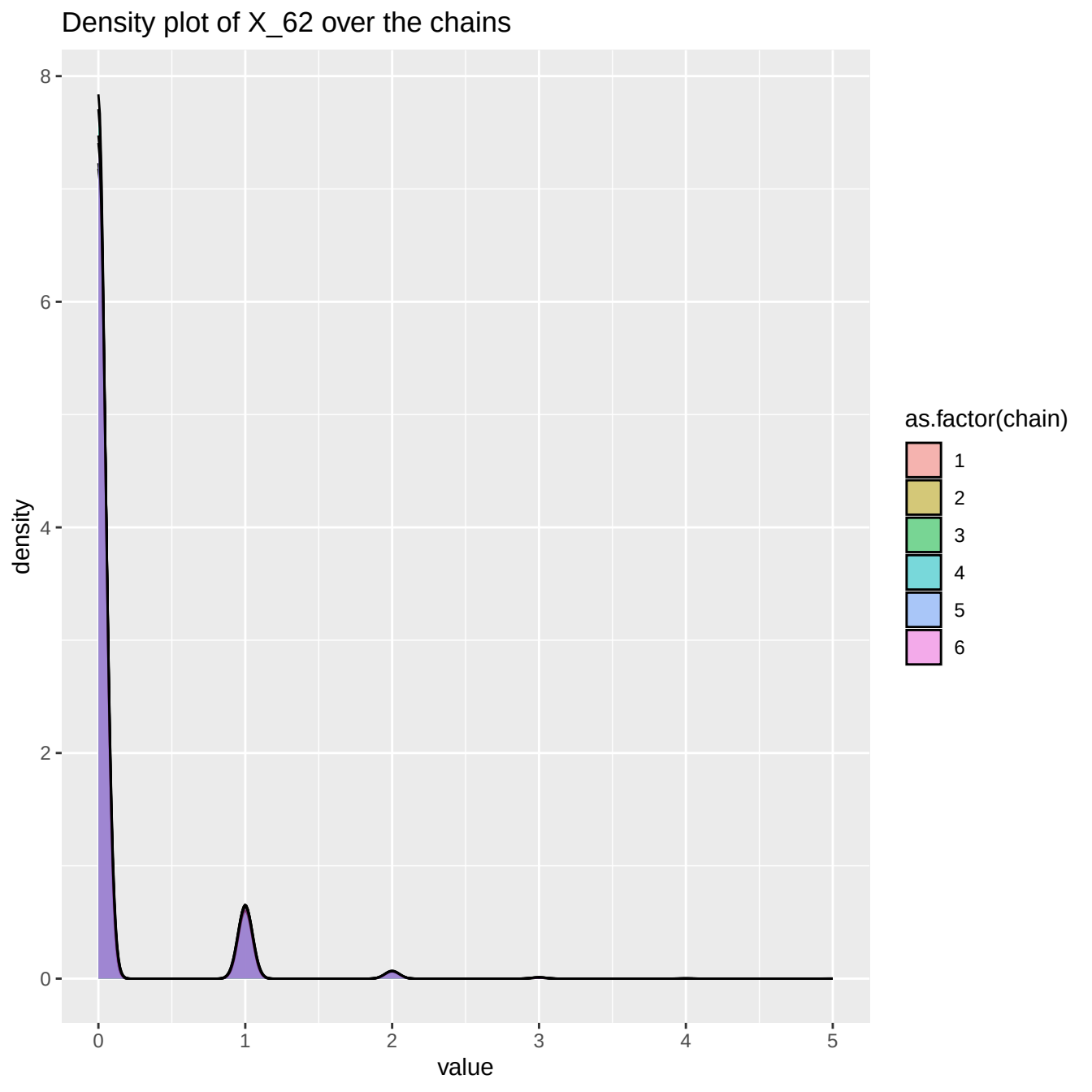

Density plot of X_57 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

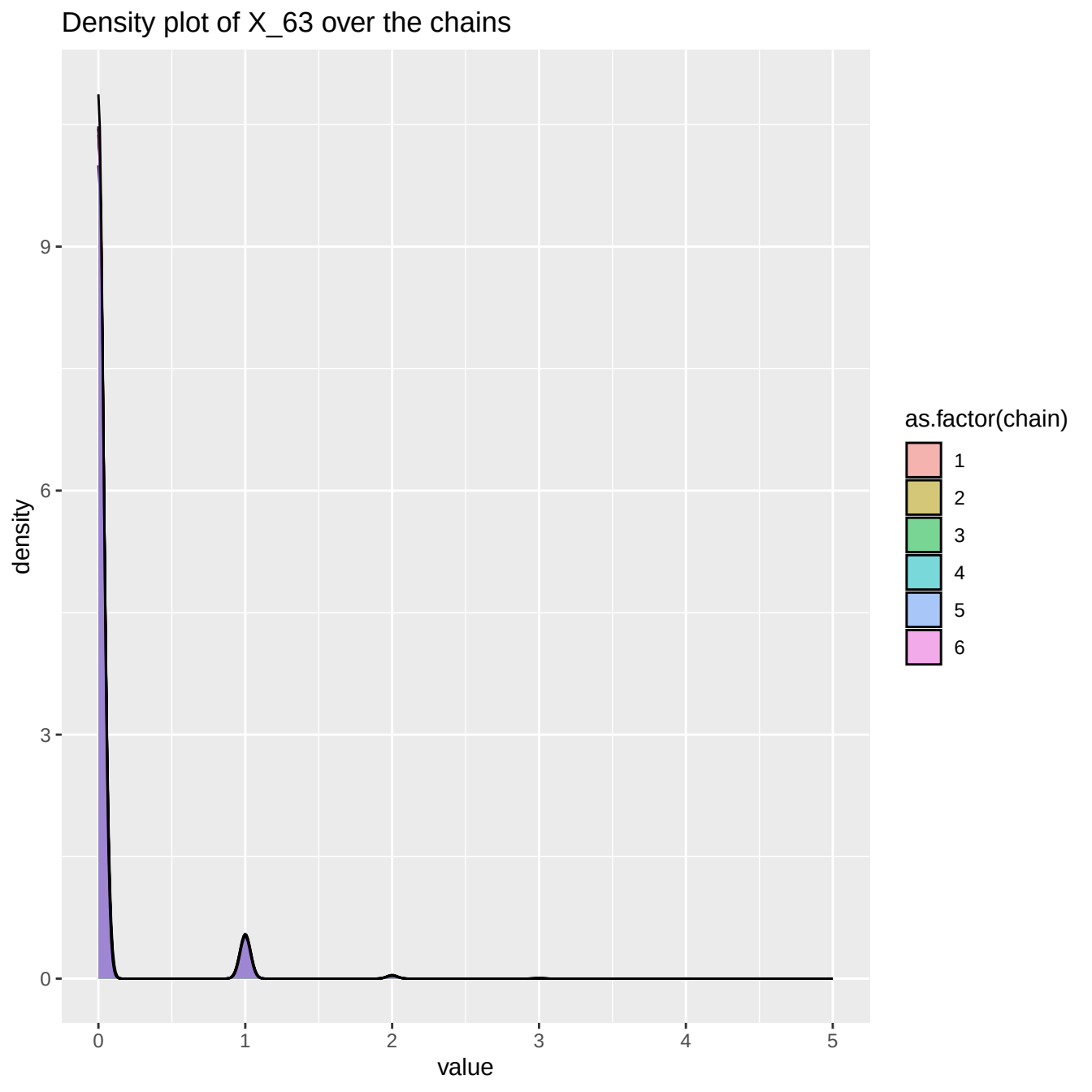

Density plot of X_58 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

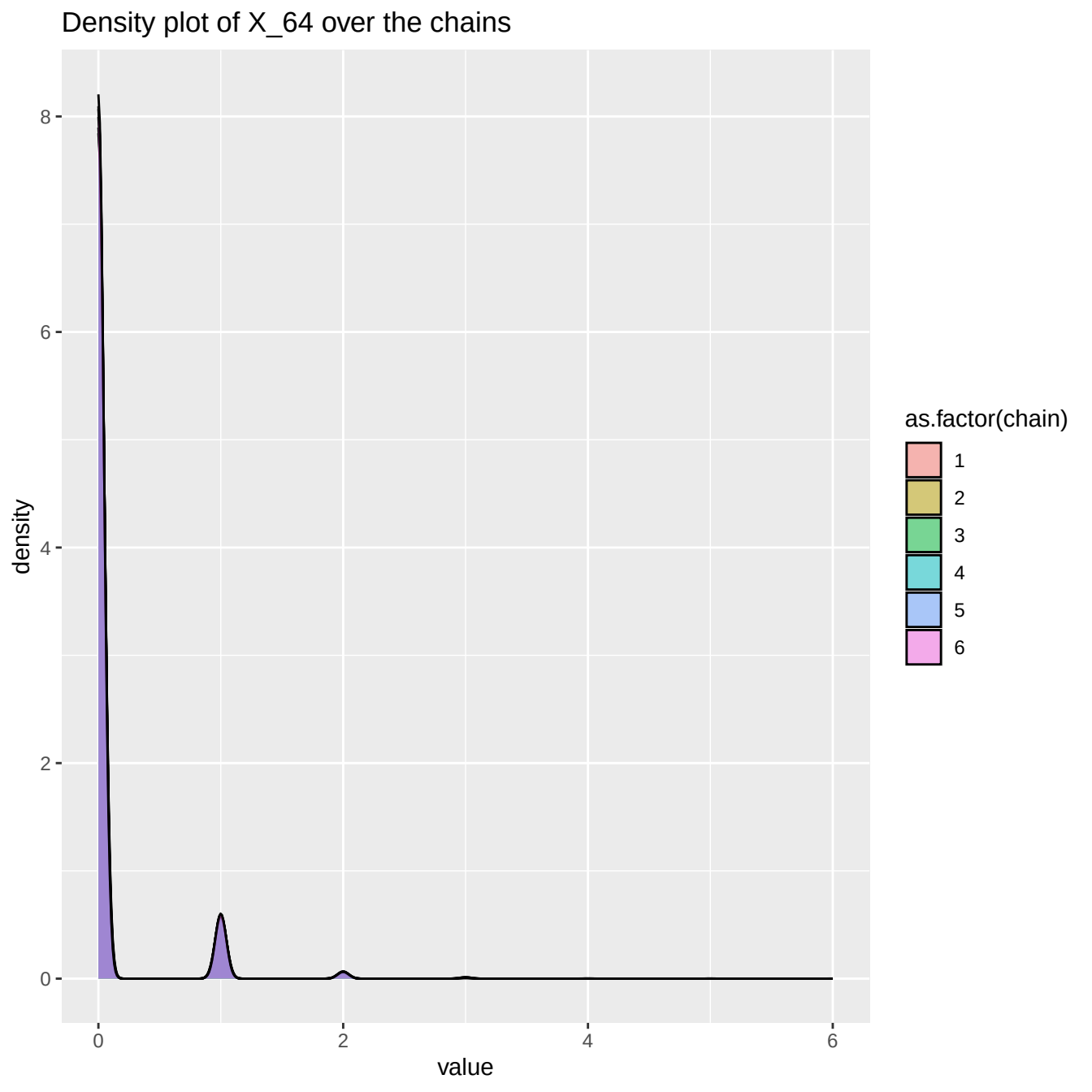

Density plot of X_59 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

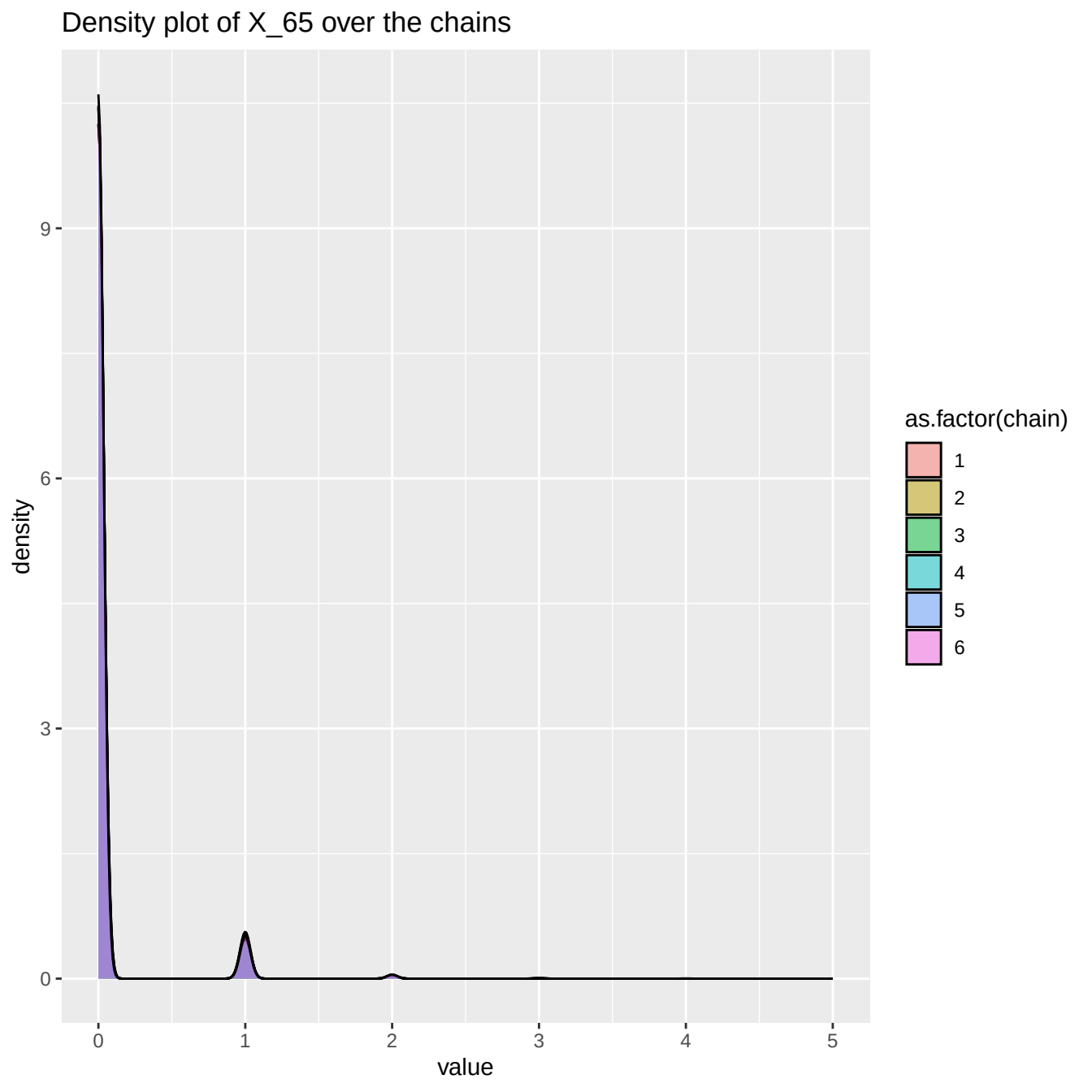

Density plot of X_60 over the chains
density
9
6
3
0
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

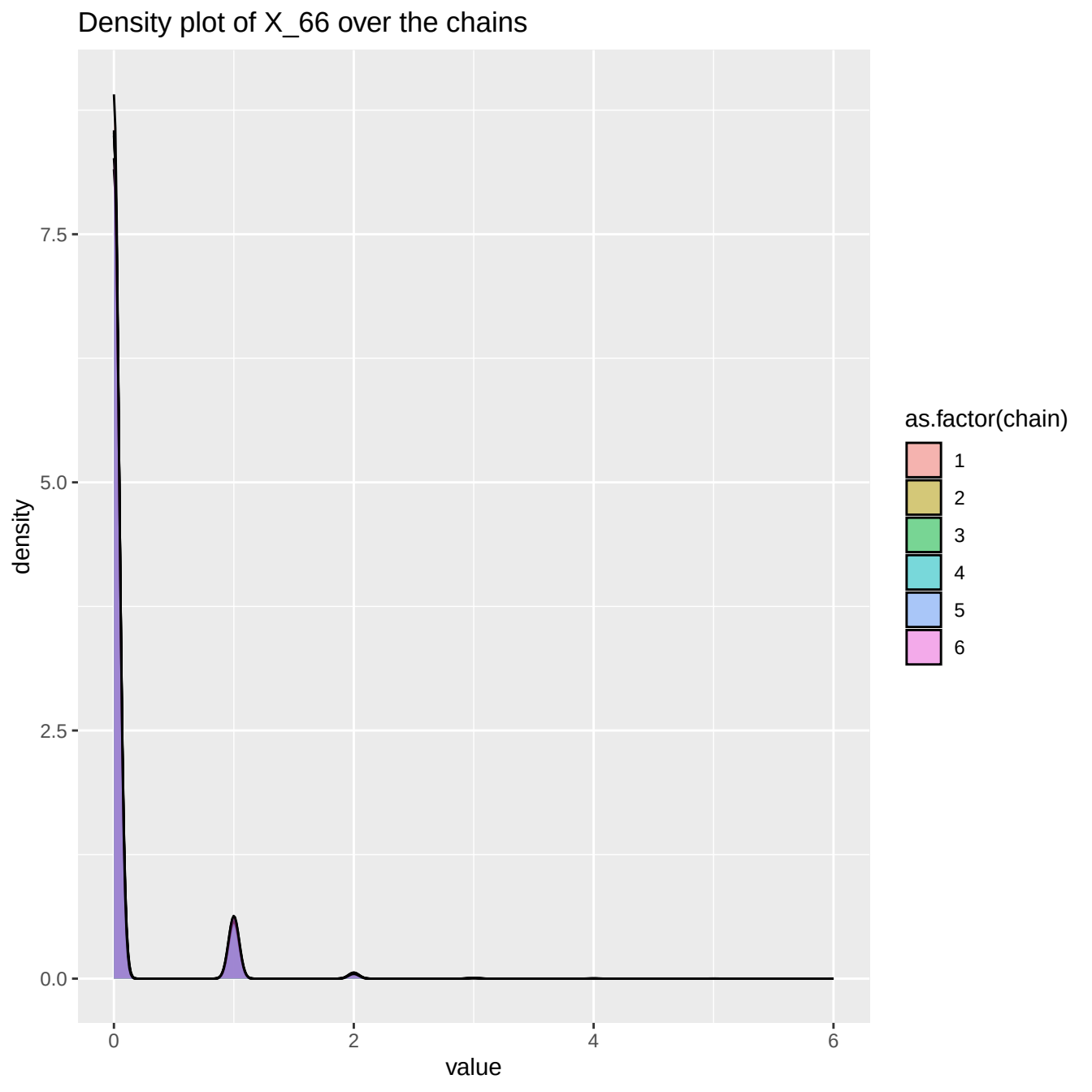

Density plot of X_61 over the chains
density
10.0
7.5
5.0
2.5
0.0
0
2
4
6
8
value
as.factor(chain)
1
2
3
4
5
6

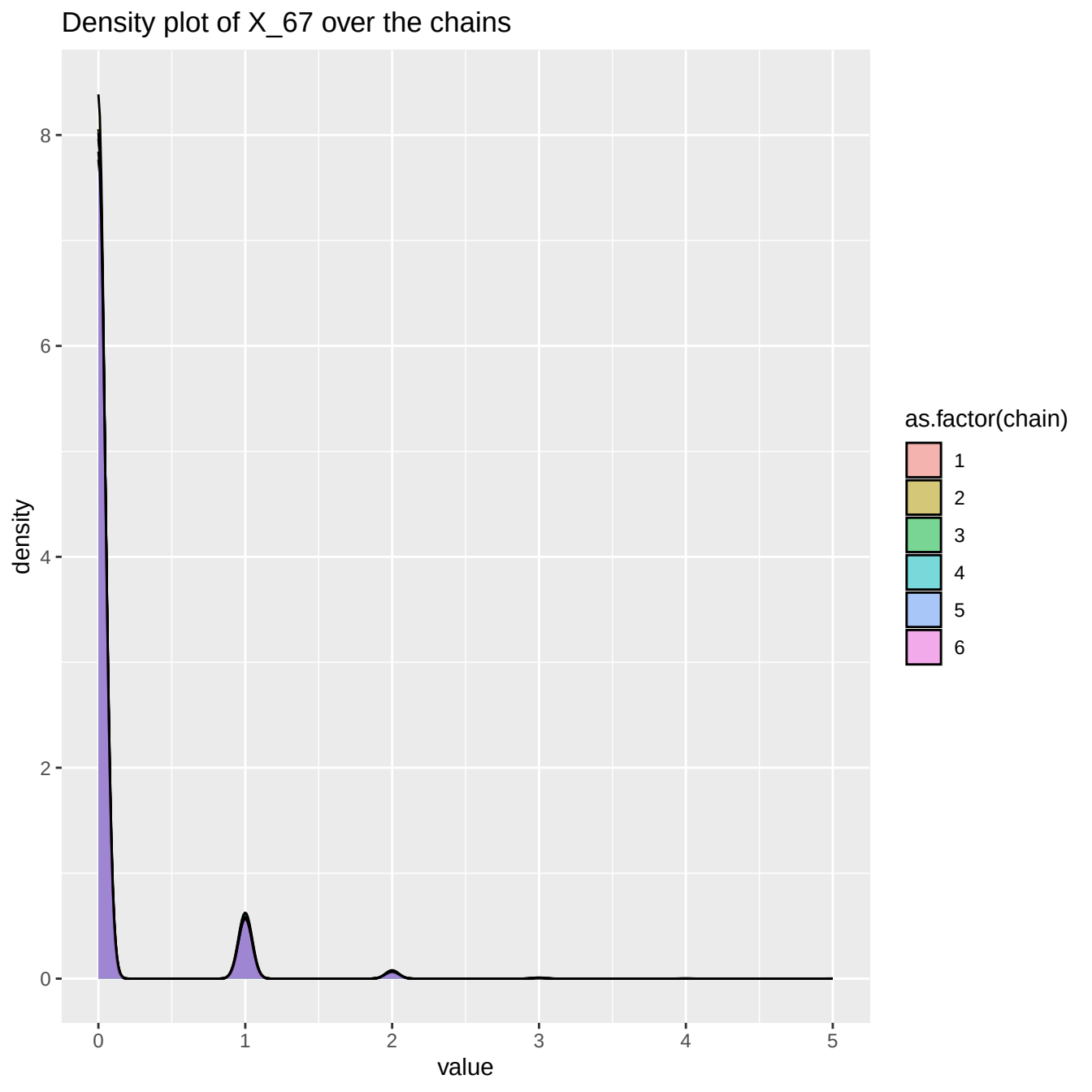

Density plot of X_62 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
8
0
1
2
3
4
5

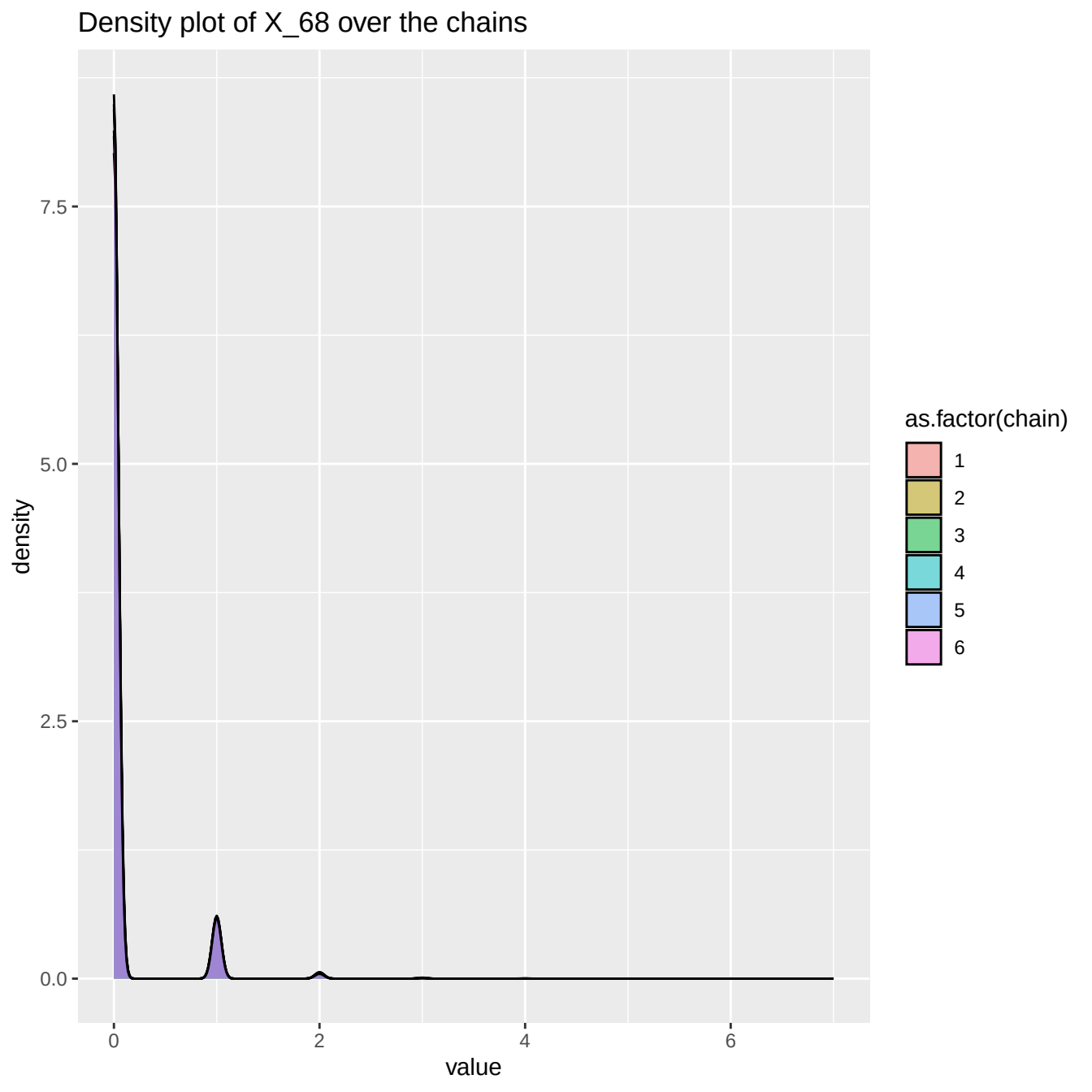

Density plot of X_63 over the chains
density
9
6
3
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

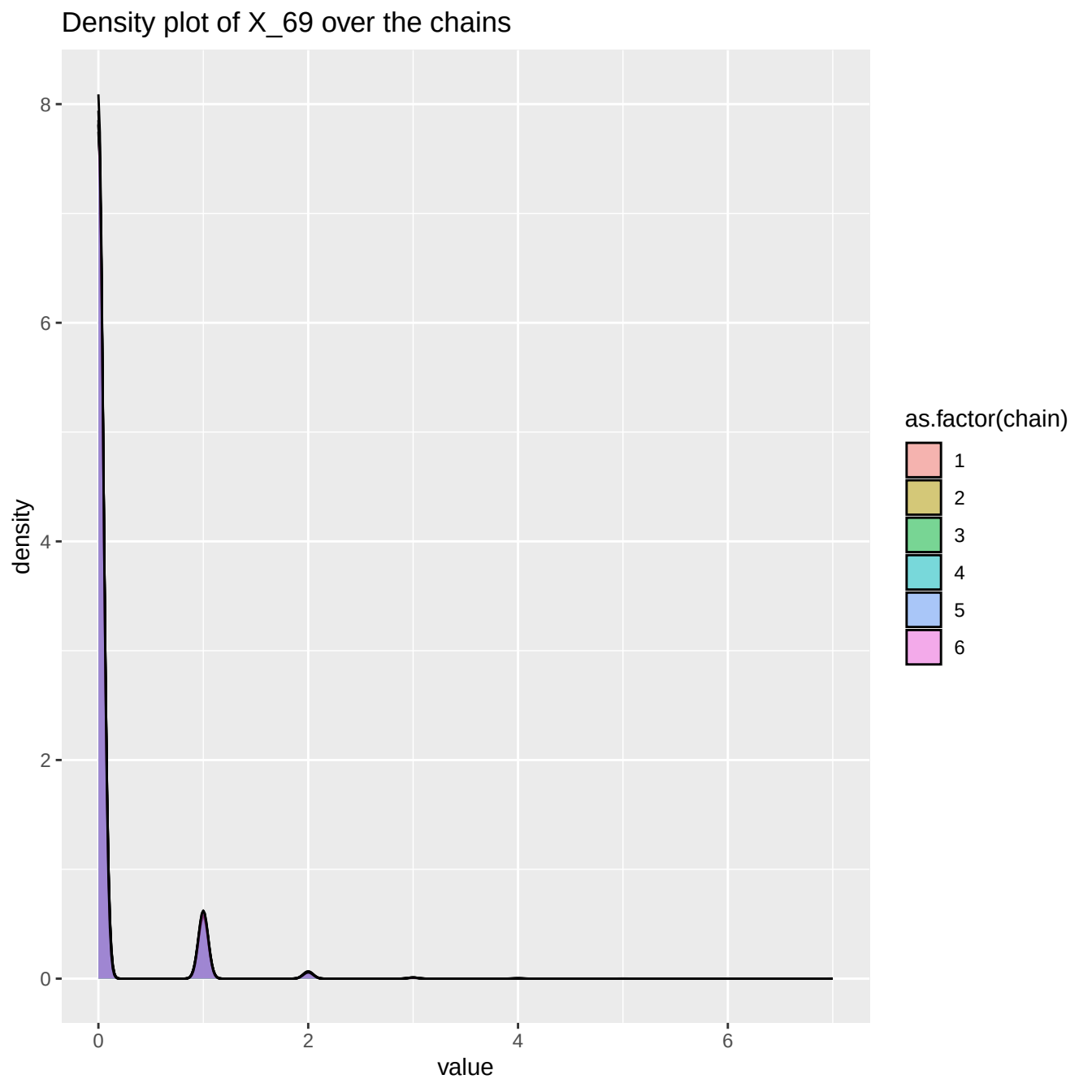

Density plot of X_64 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

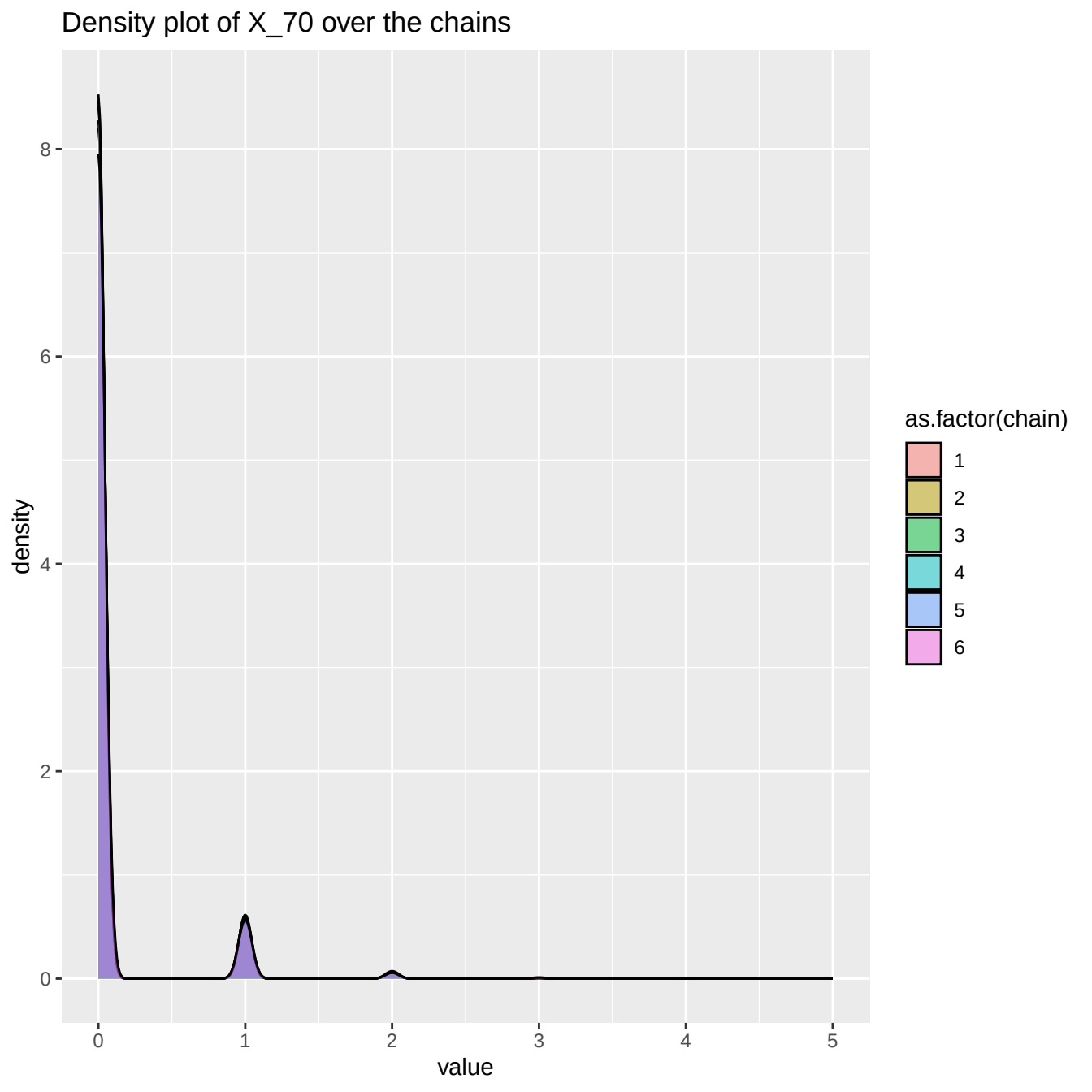

Density plot of X_65 over the chains
density
9
6
3
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

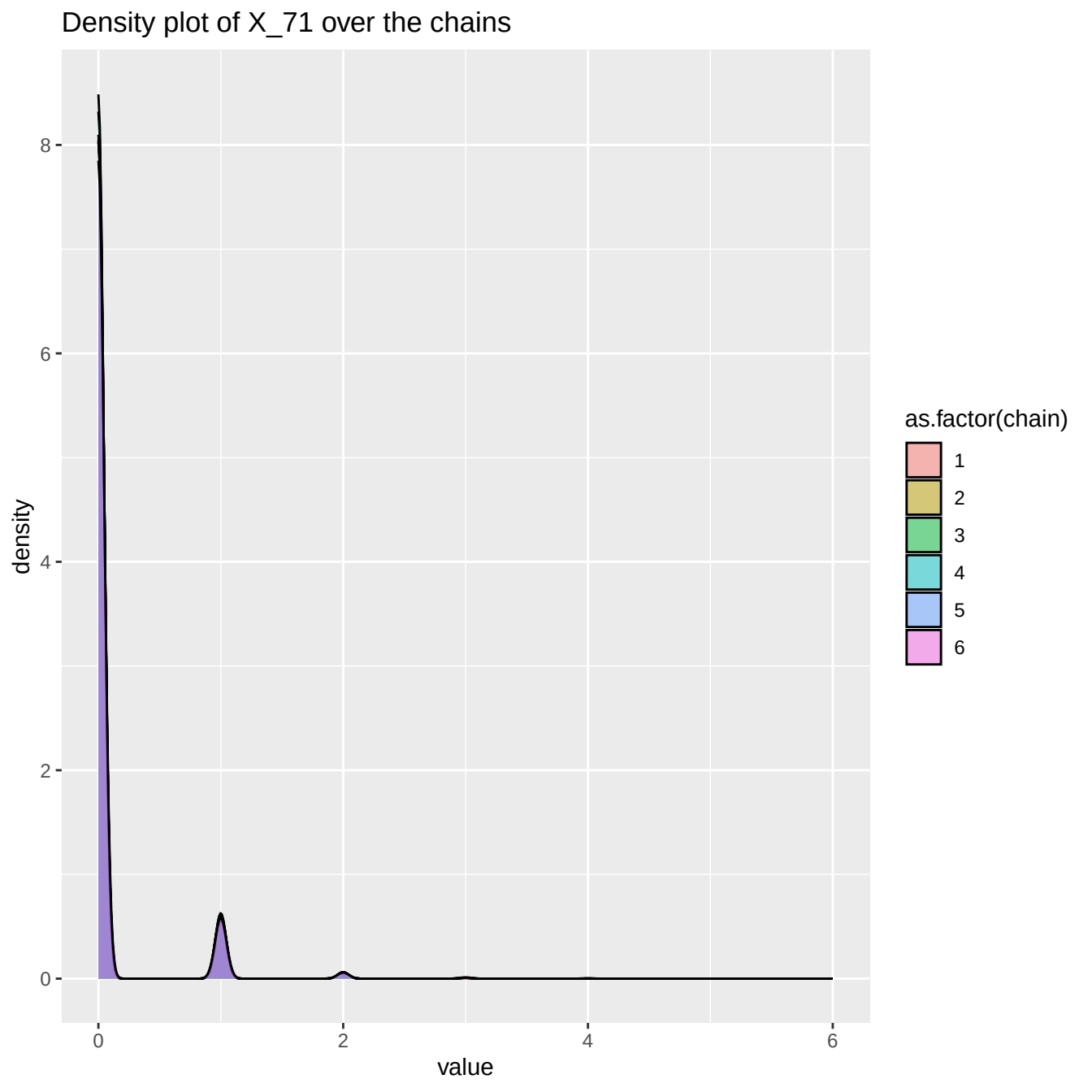

Density plot of X_66 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

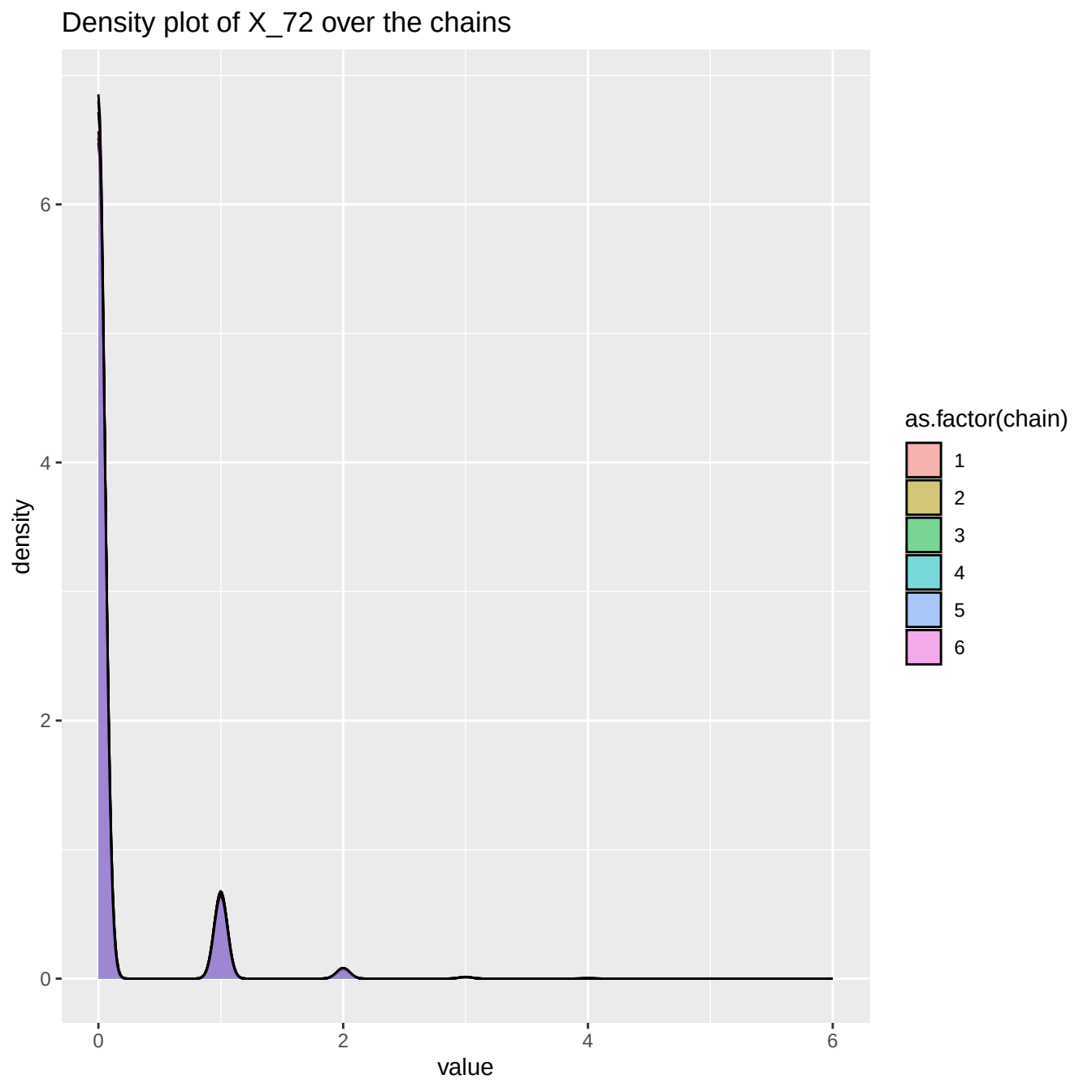

Density plot of X_67 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

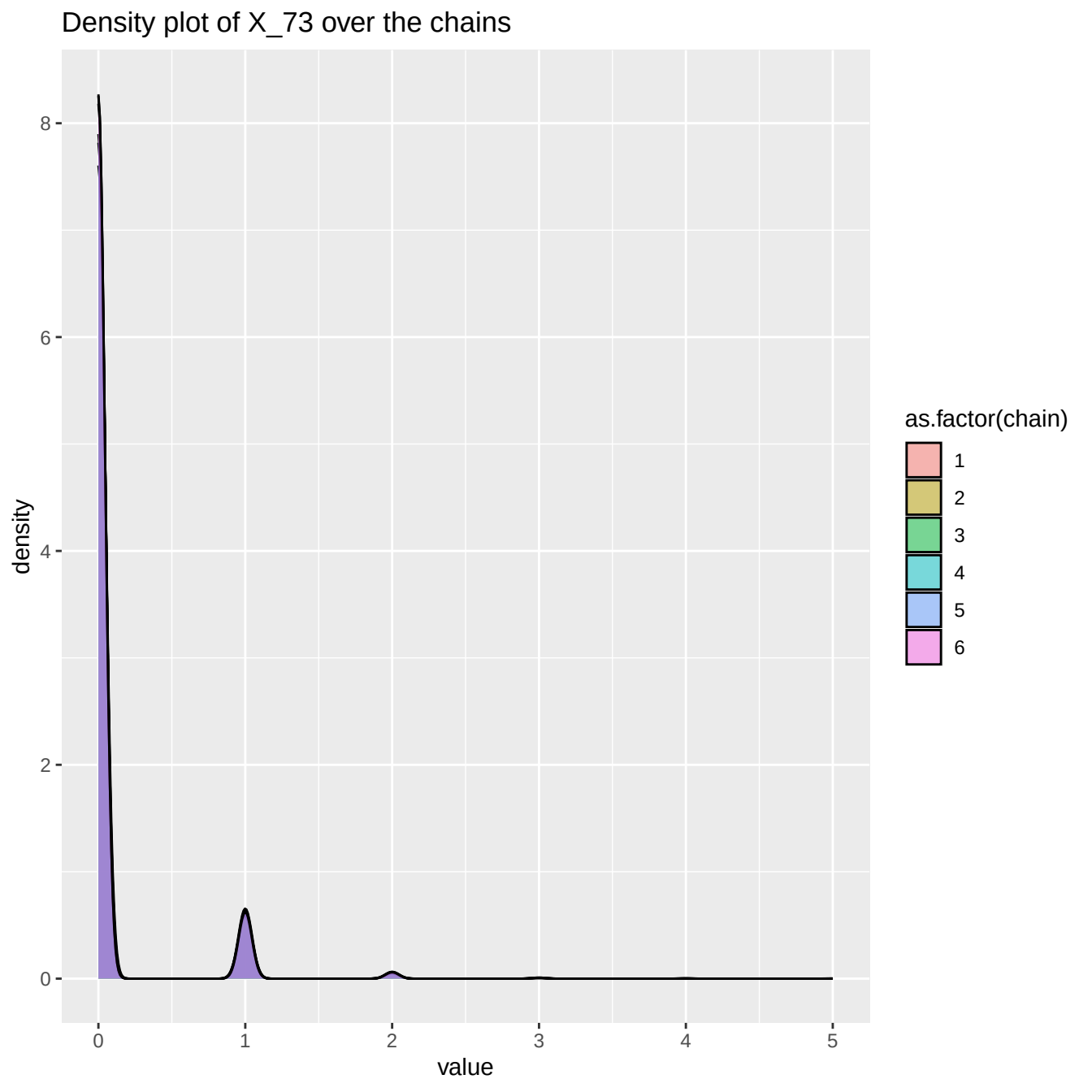

Density plot of X_68 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

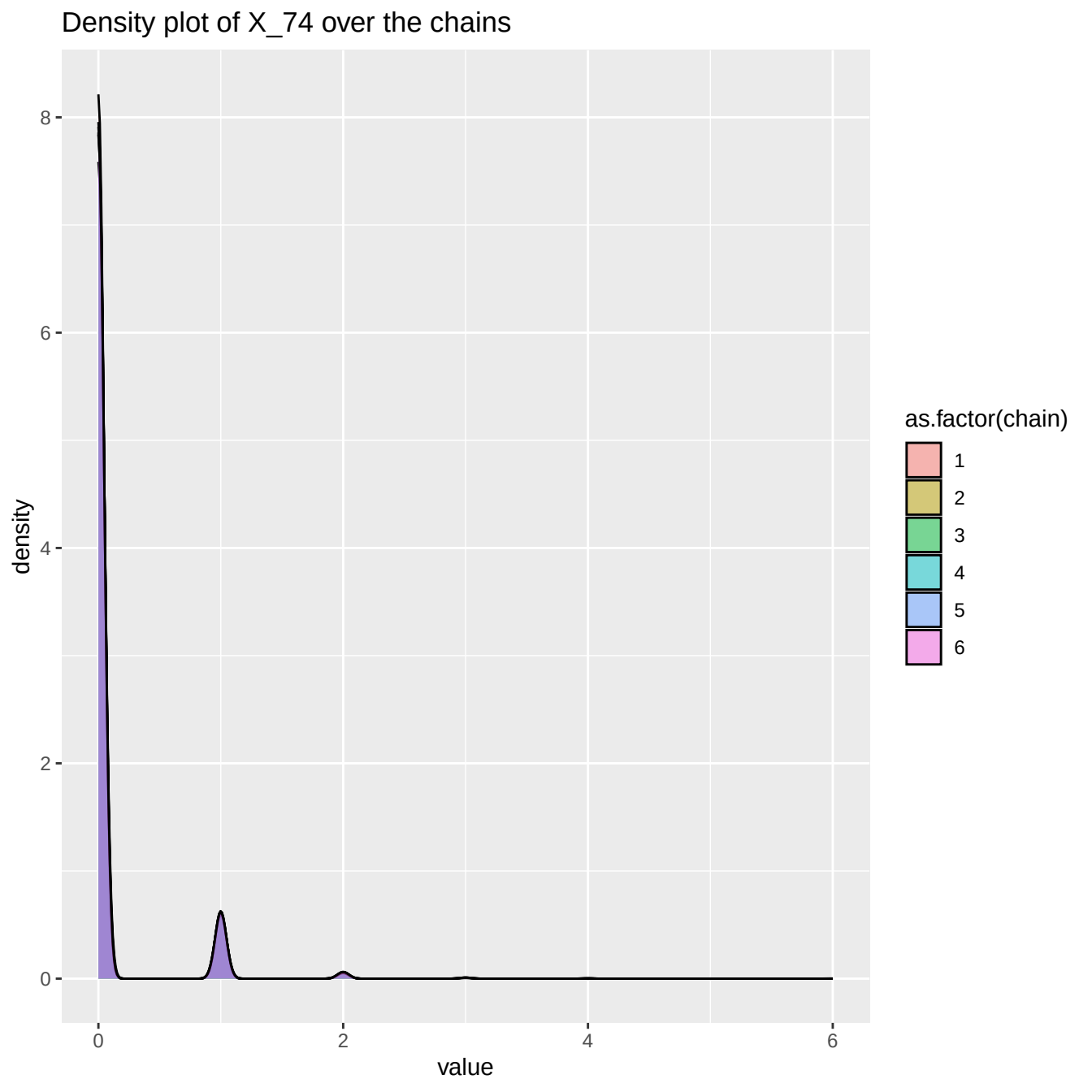

Density plot of X_69 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

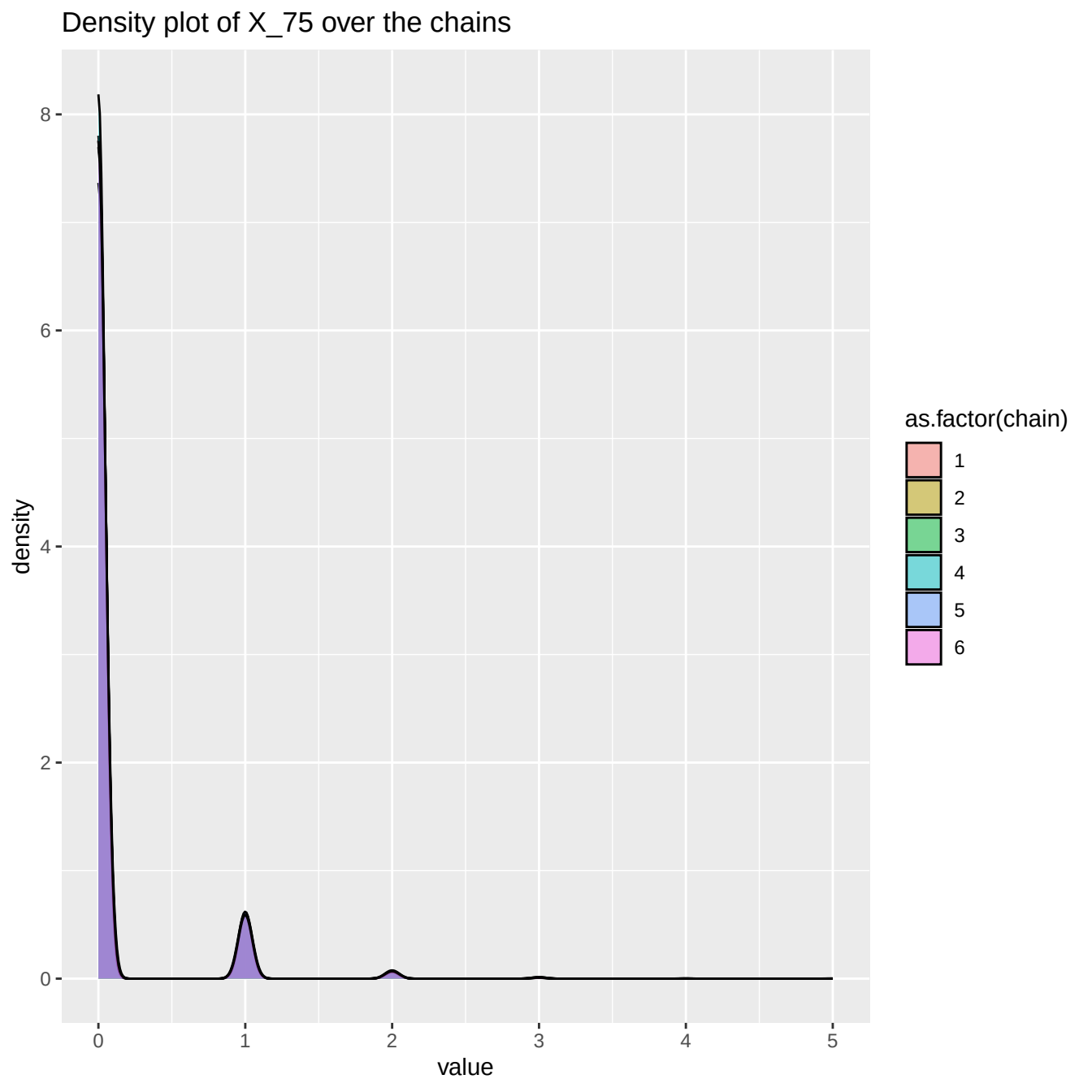

Density plot of X_70 over the chains
density
8
6
4
2
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

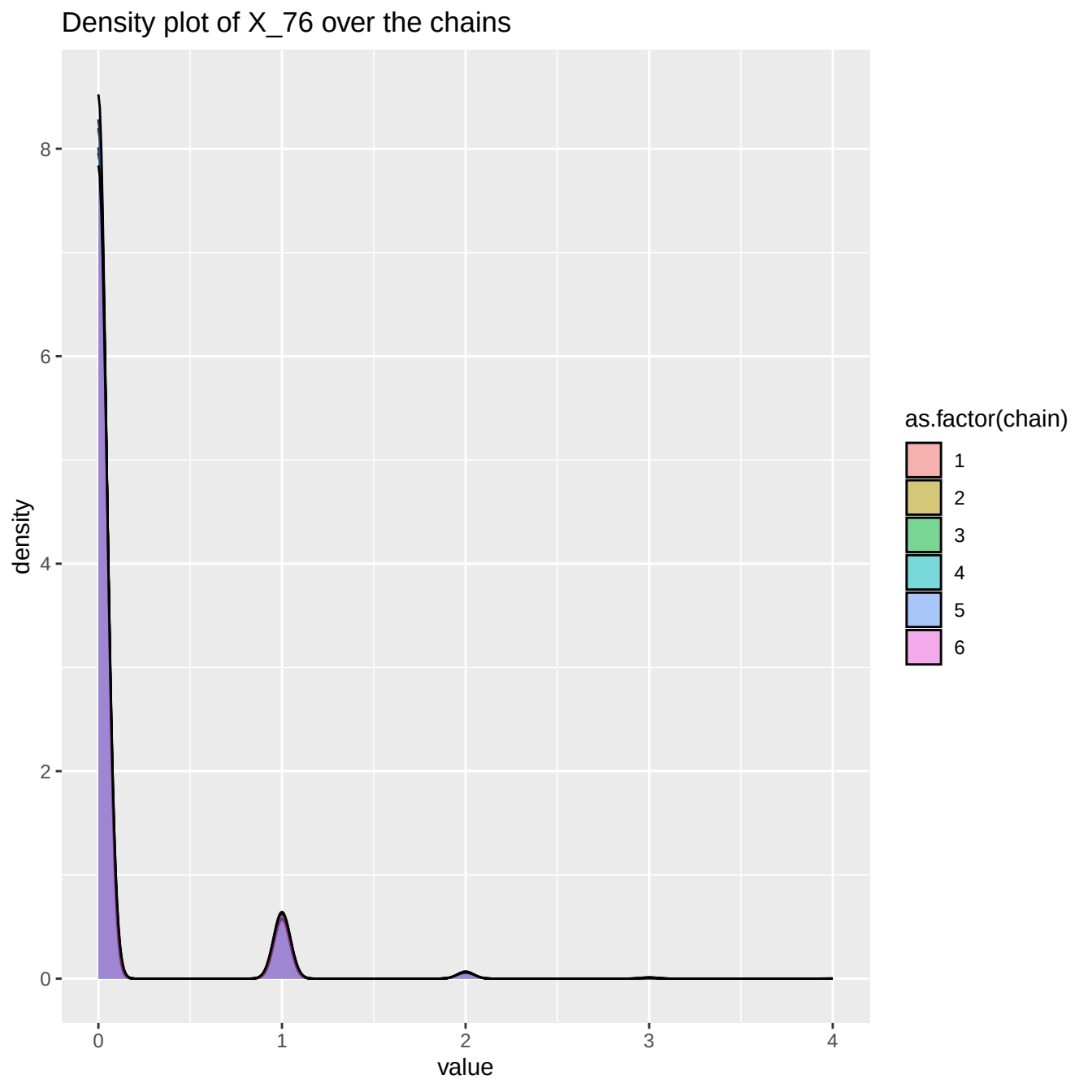

Density plot of X_71 over the chains
density
value
0
2
4
6
8
as.factor(chain)
1
2
3
4
5
6

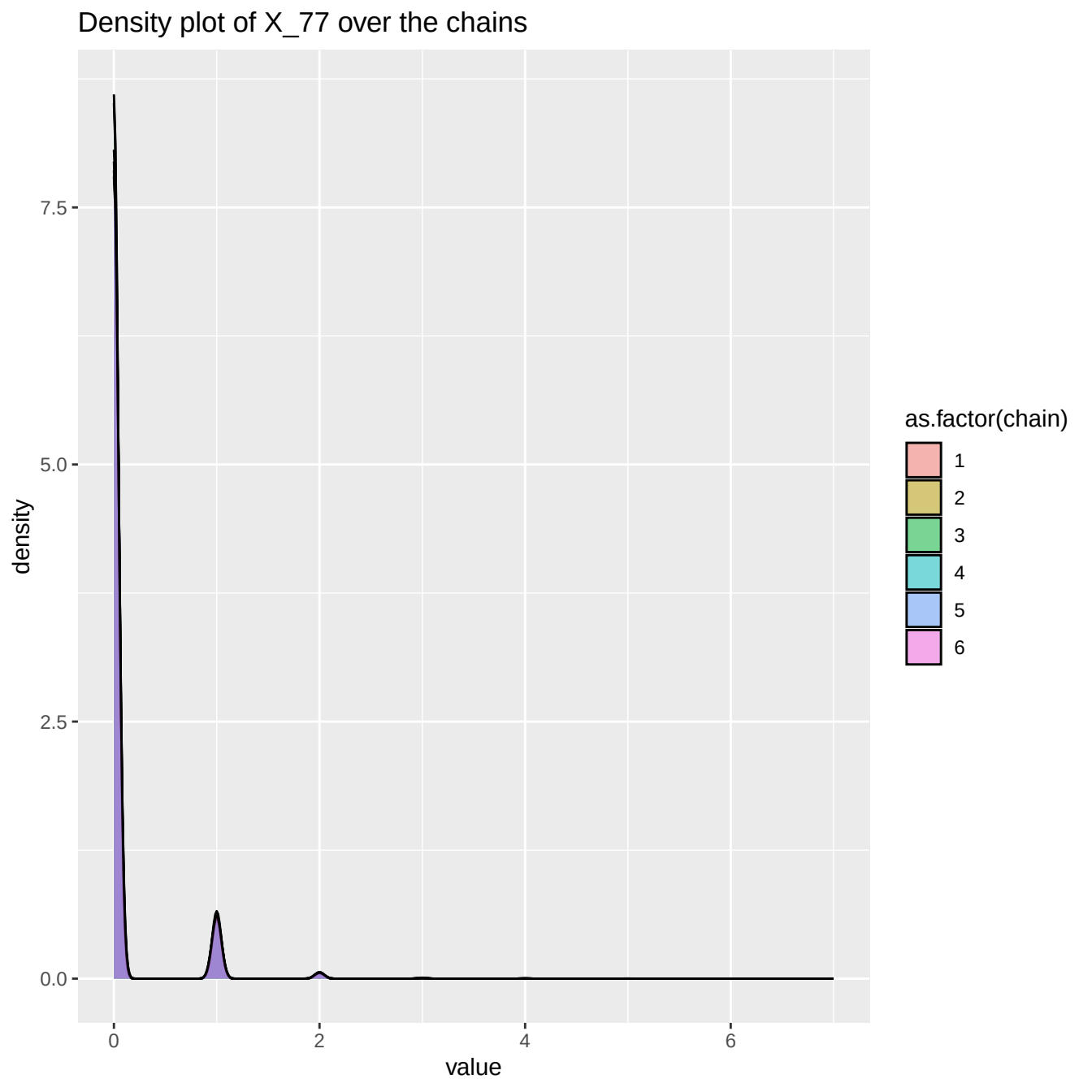

Density plot of X_72 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

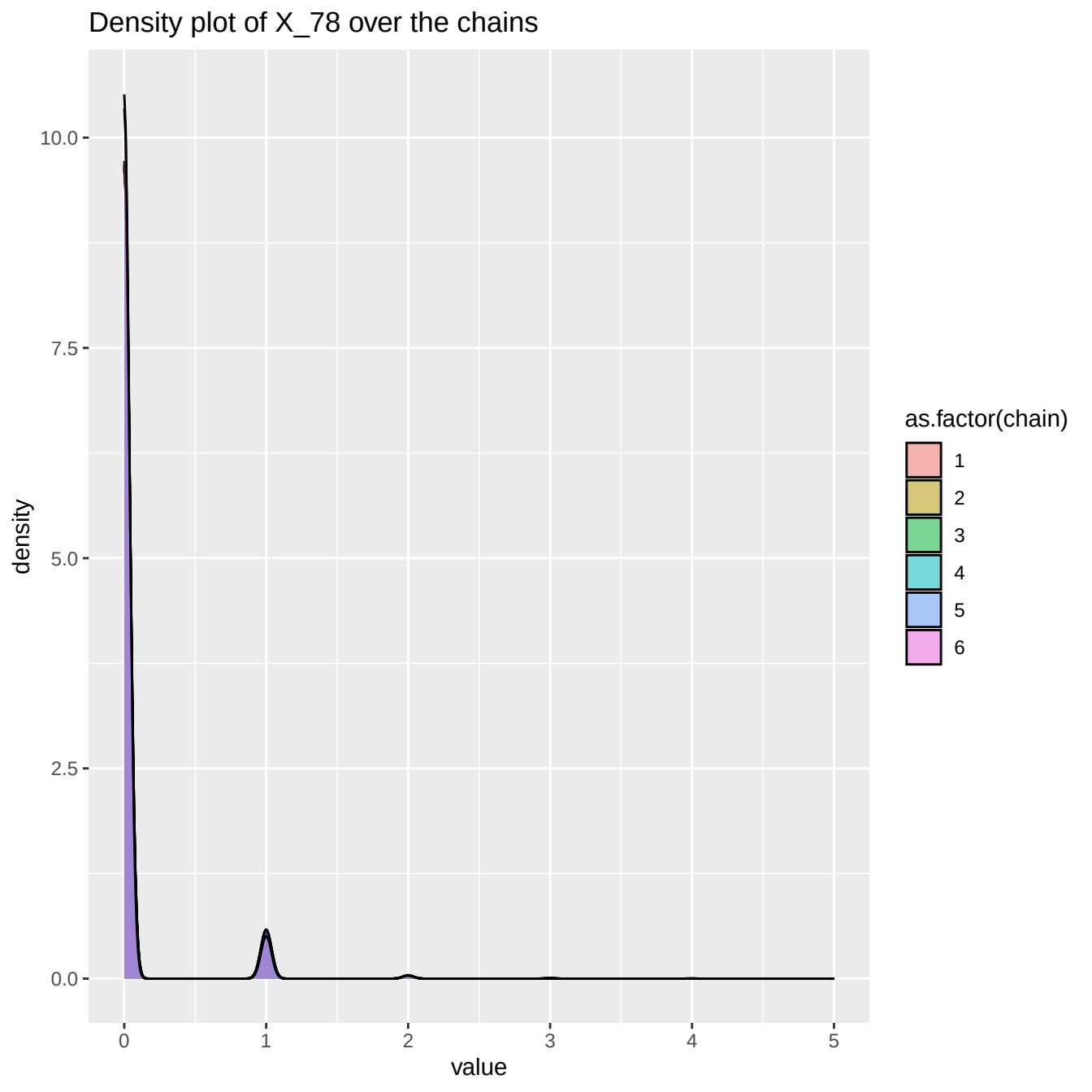

Density plot of X_73 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

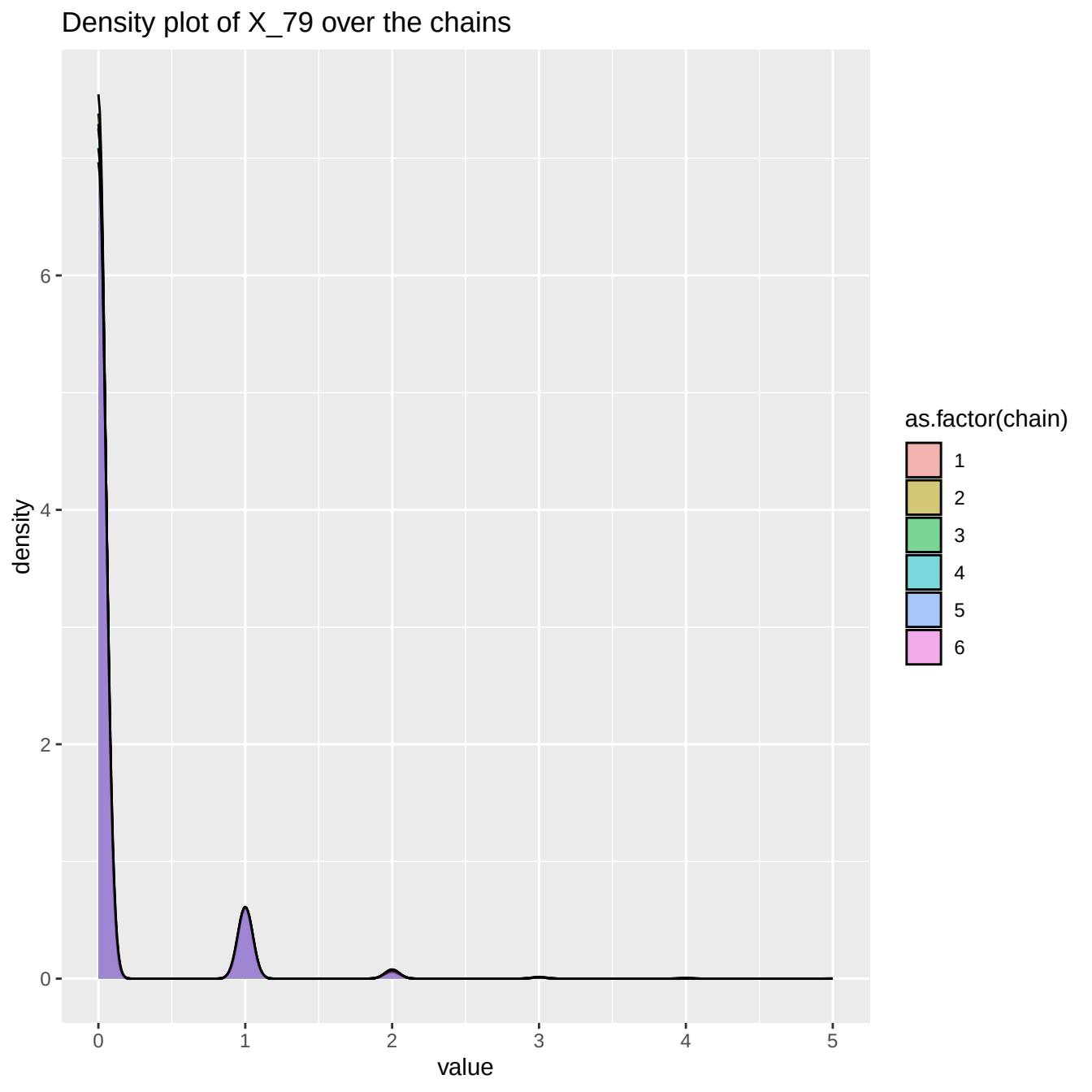

Density plot of X_74 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

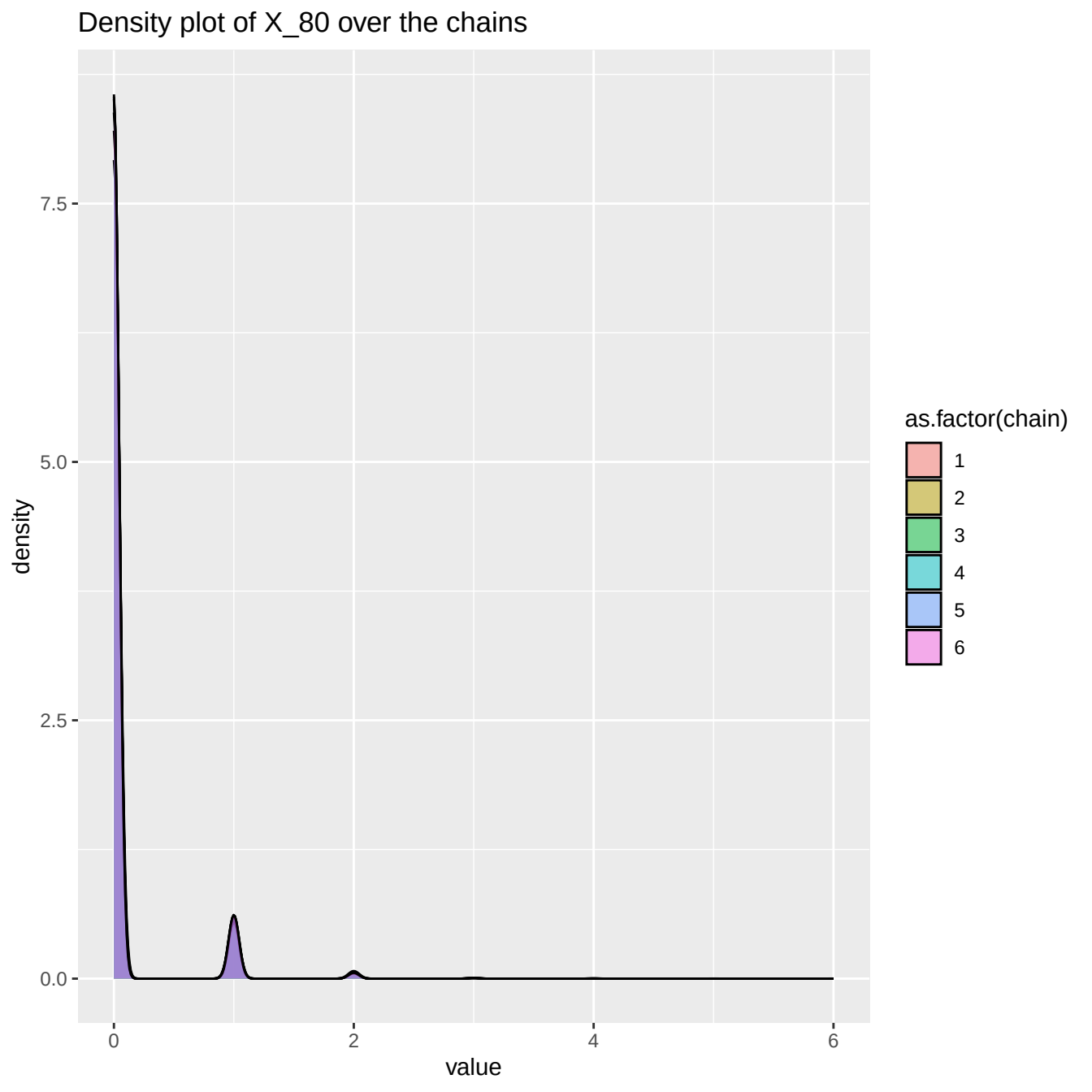

Density plot of X_75 over the chains
density
8
6
4
2
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

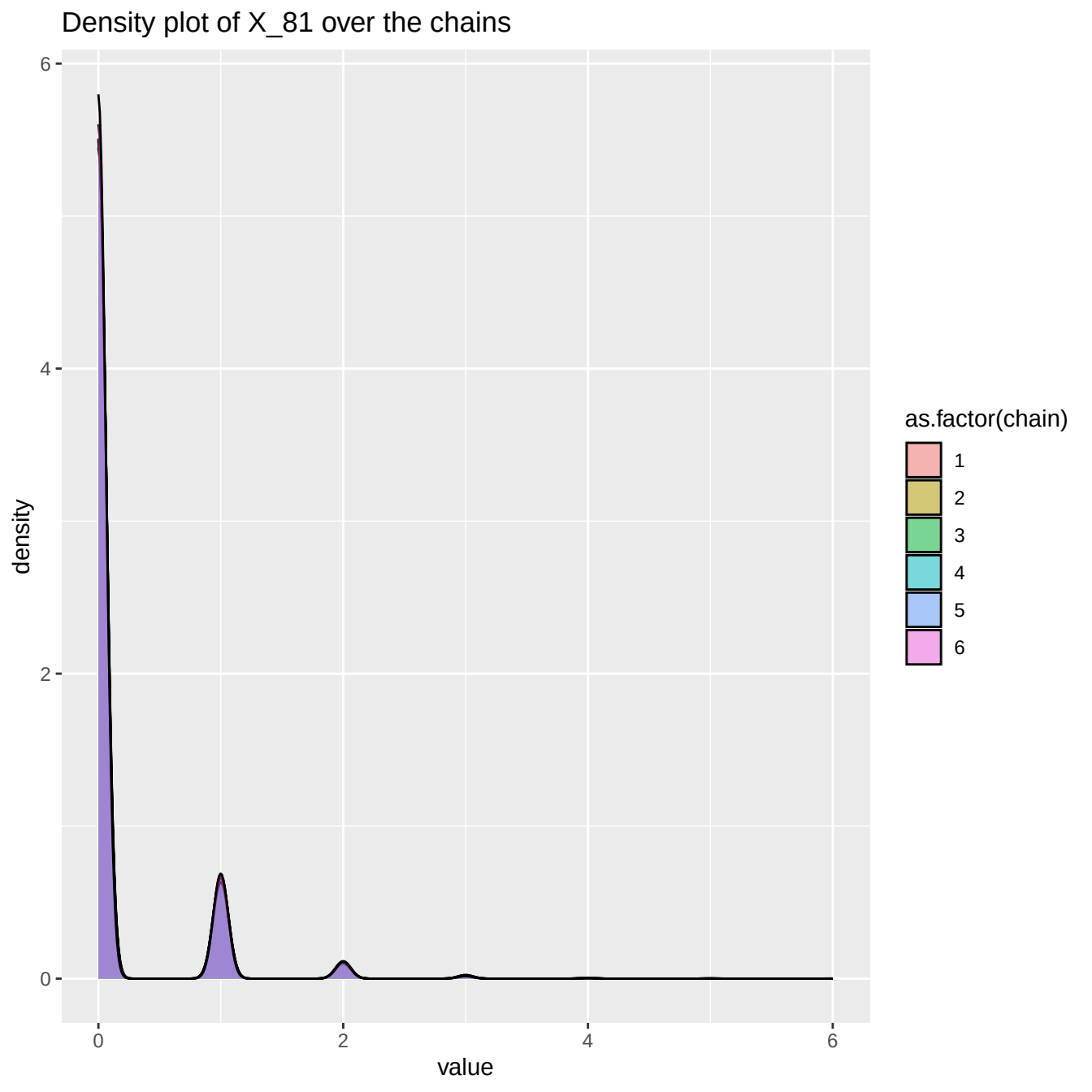

Density plot of X_76 over the chains
density
value
0
2
4
6
8
0
1
2
3
4
as.factor(chain)
1
2
3
4
5
6

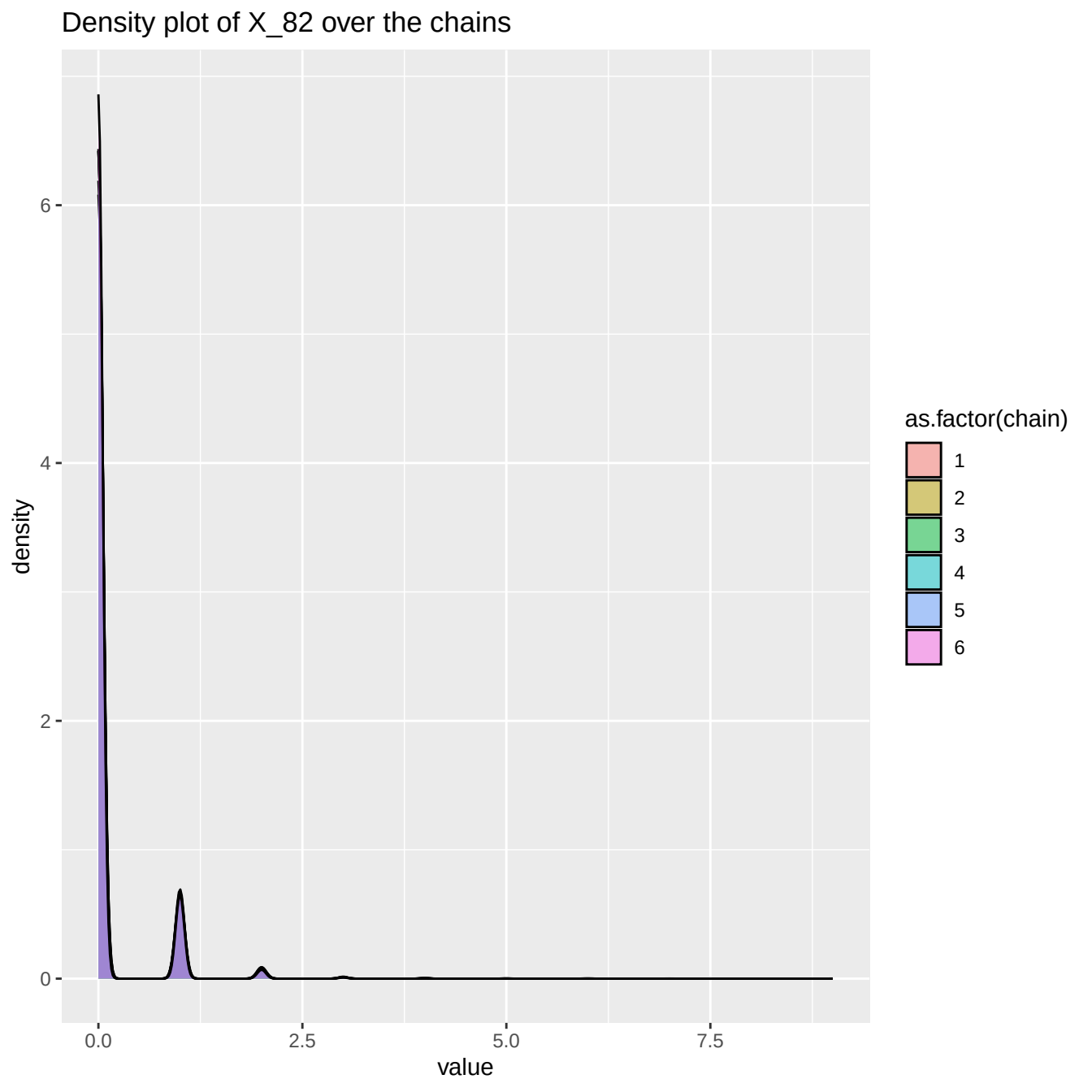

Density plot of X_77 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

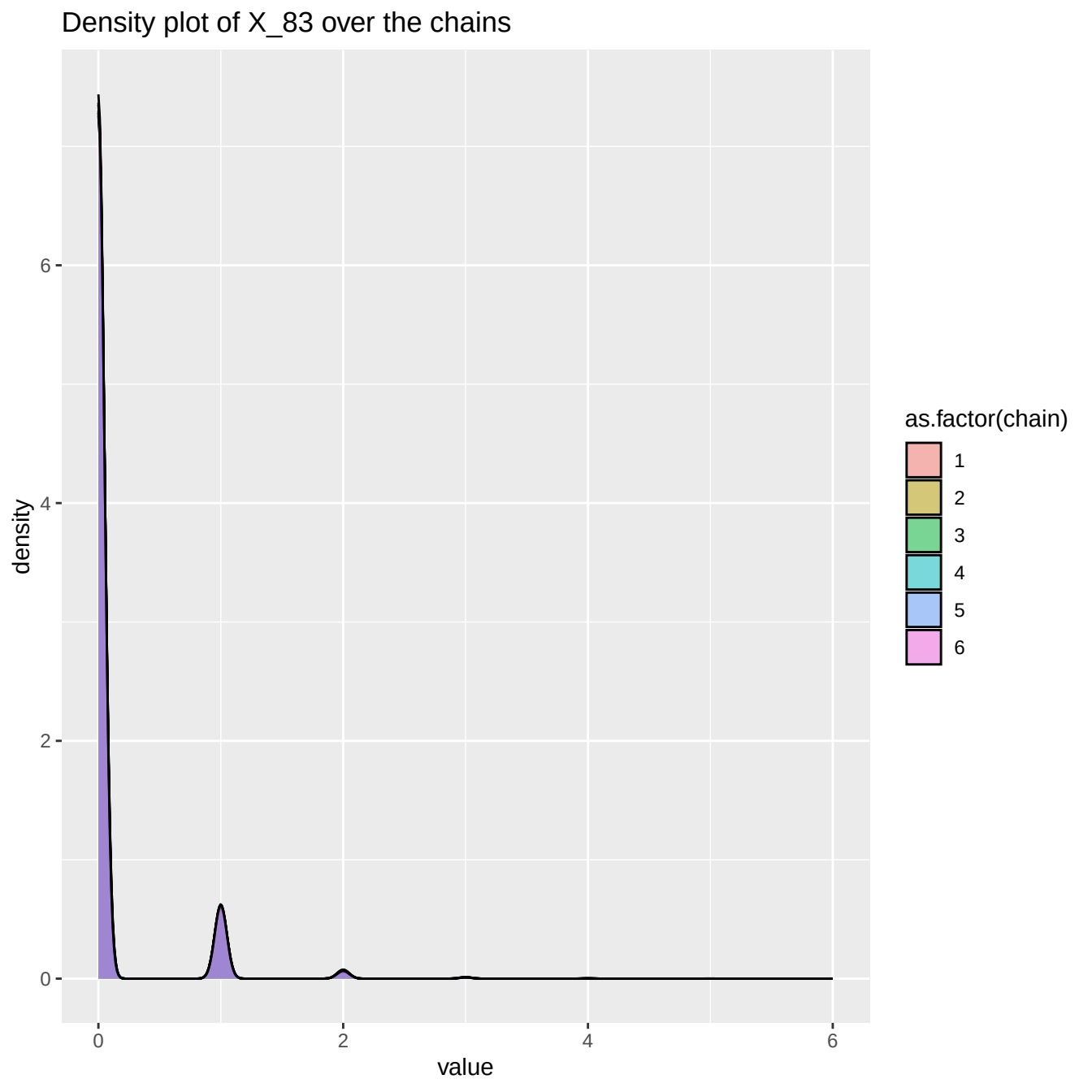

Density plot of X_78 over the chains
density
10.0
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

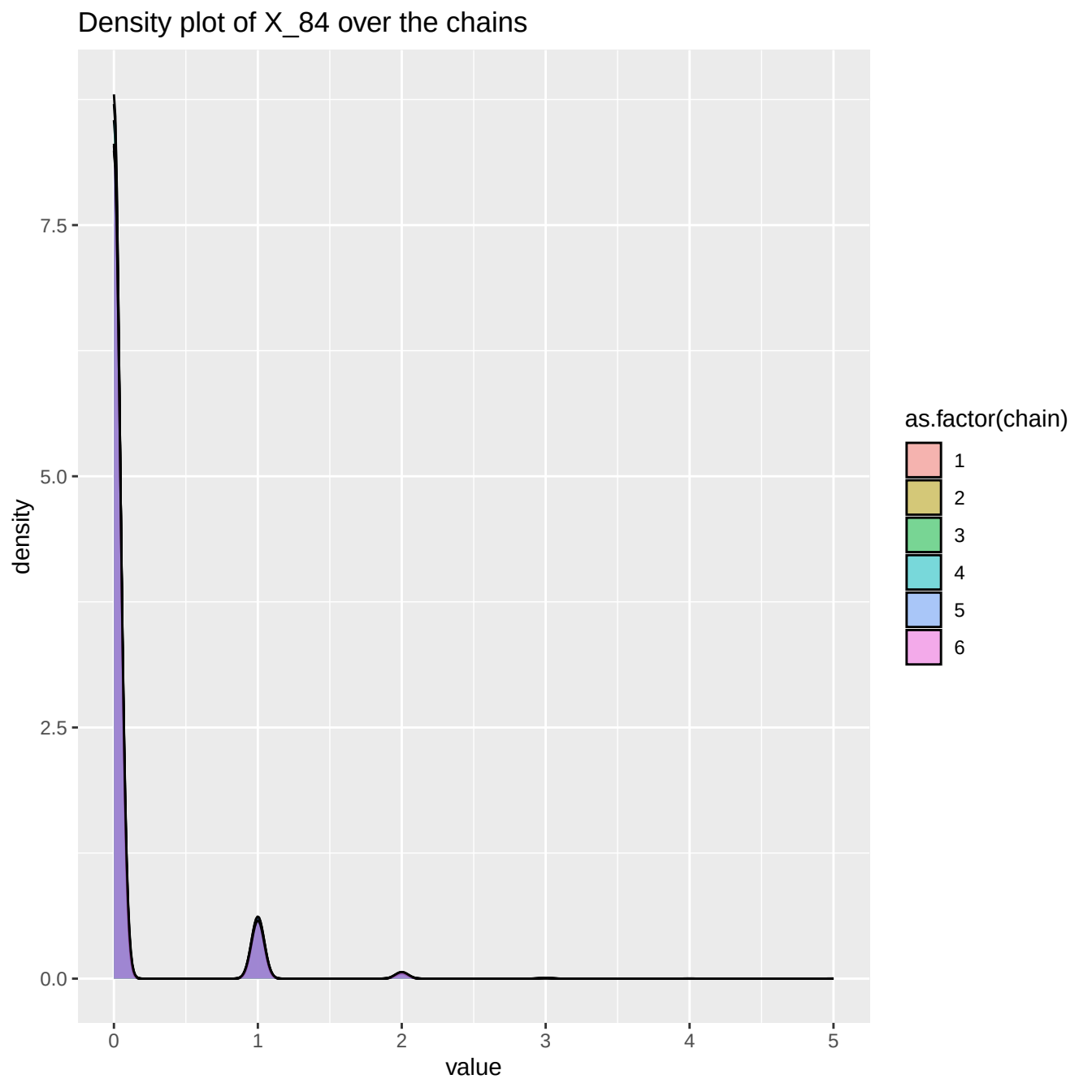

Density plot of X_79 over the chains
density
value
0
2
4
6
0
1
2
3
4
5
as.factor(chain)
1
2
3
4
5
6

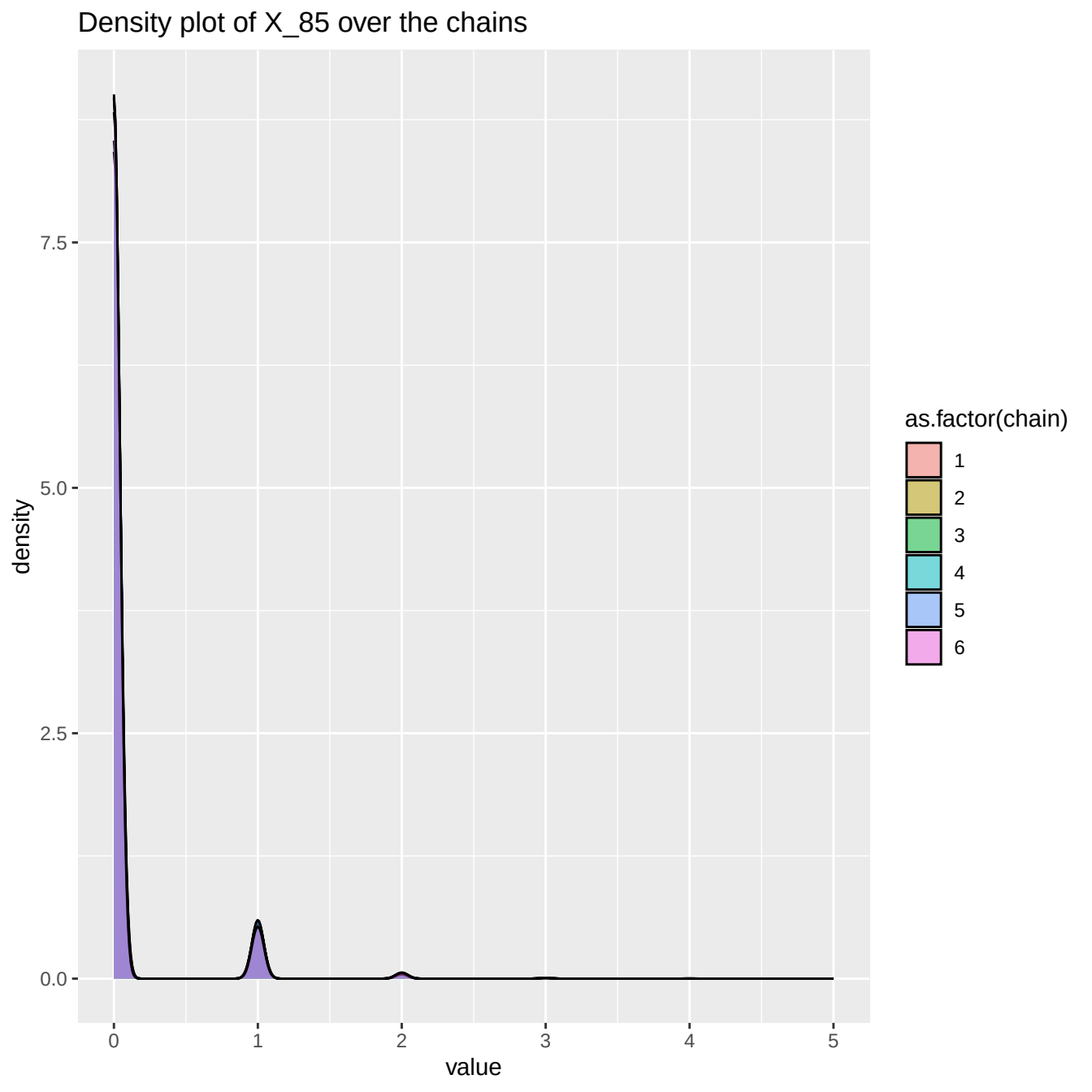

Density plot of X_80 over the chains
density
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

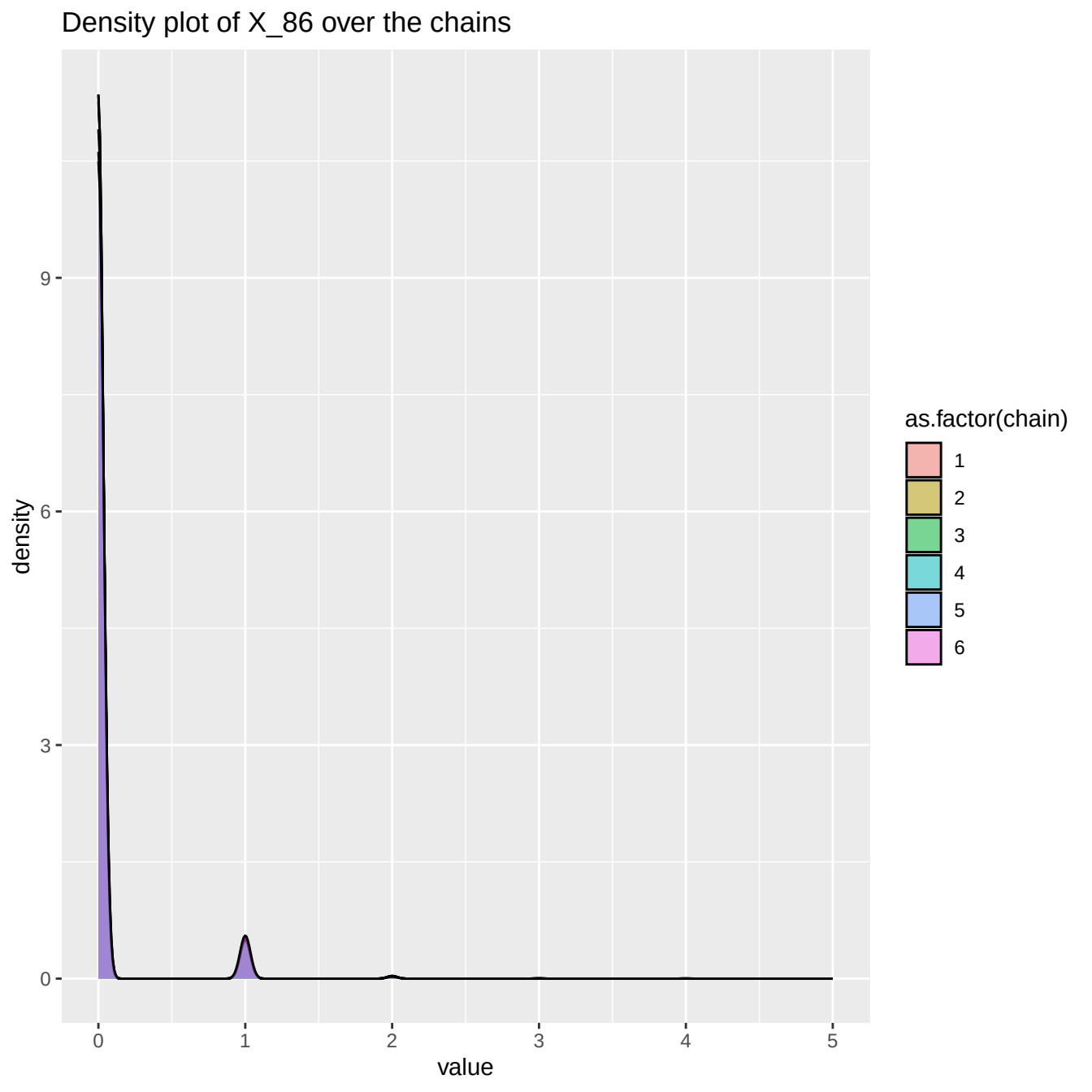

Density plot of X_81 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

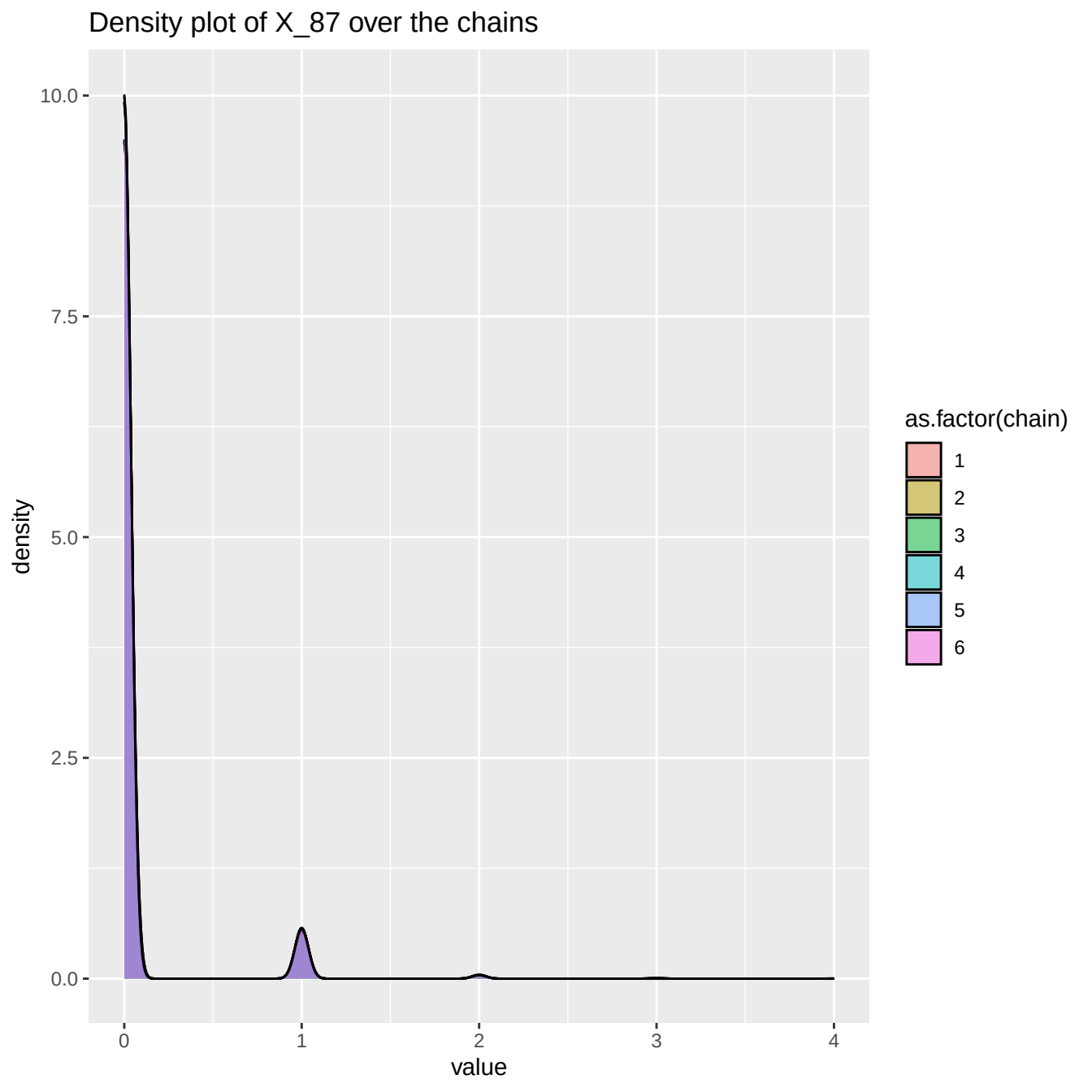

Density plot of X_82 over the chains
density
value
0
2
4
6
0.0
2.5
5.0
7.5
as.factor(chain)
1
2
3
4
5
6

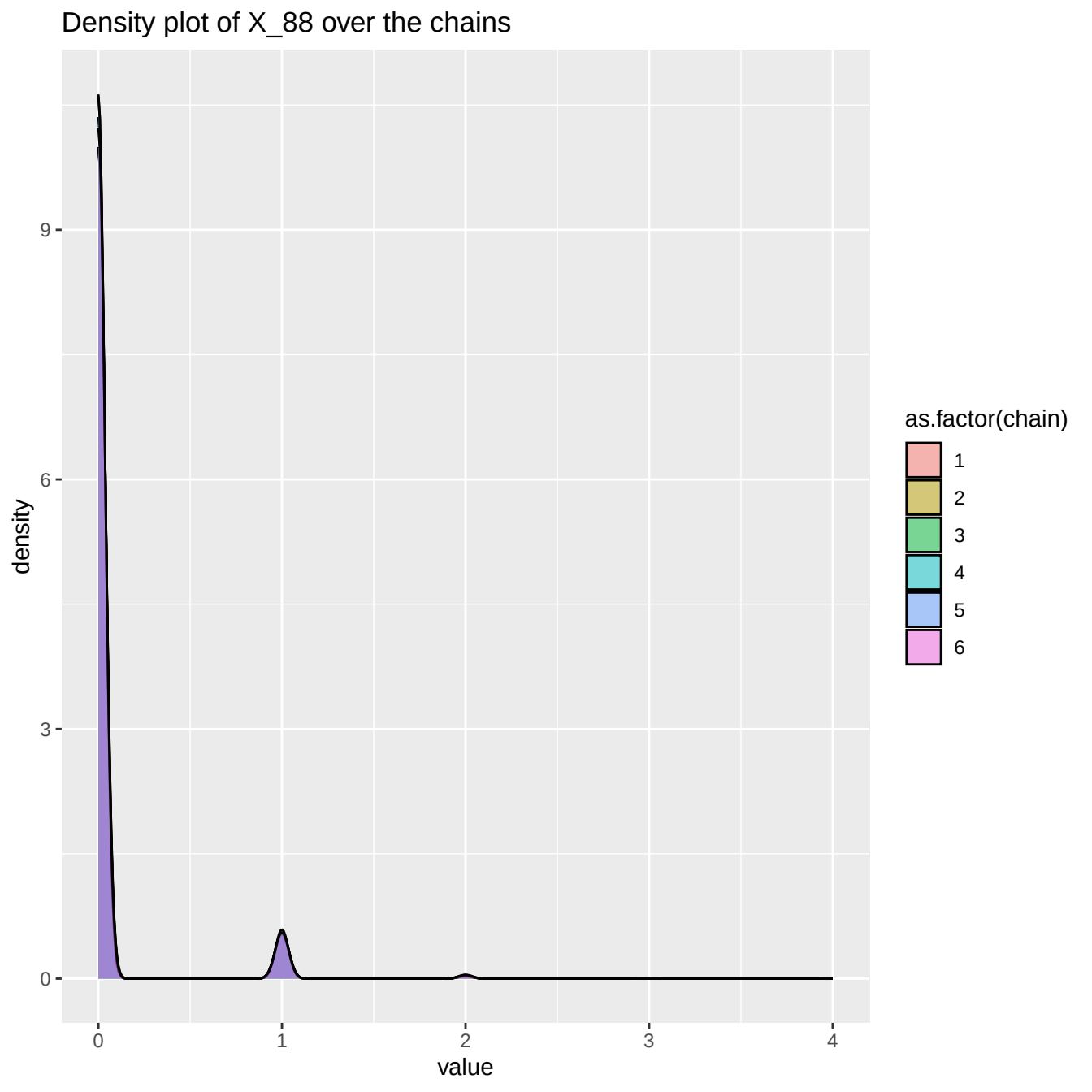

Density plot of X_83 over the chains
density
value
0
2
4
6
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

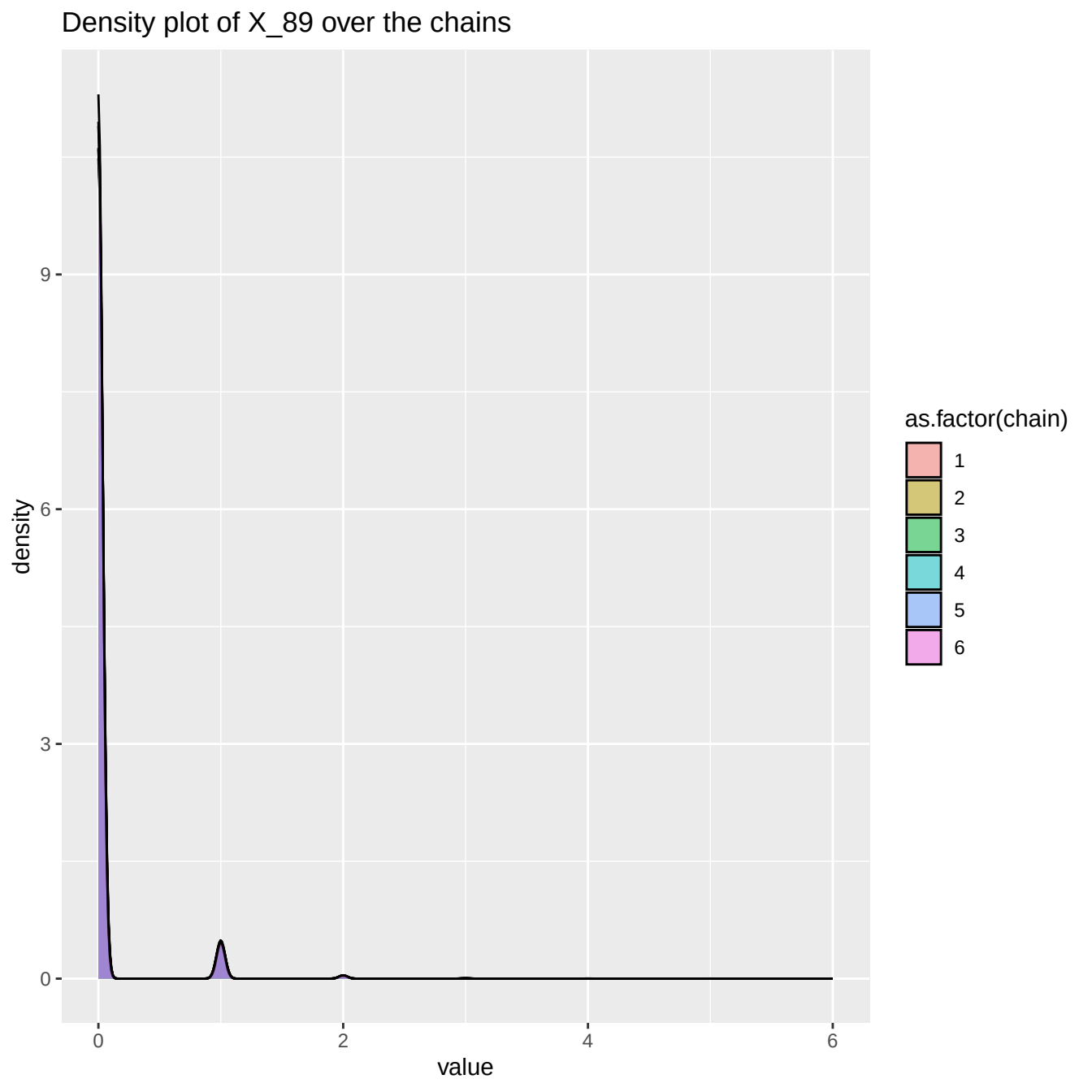

Density plot of X_84 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

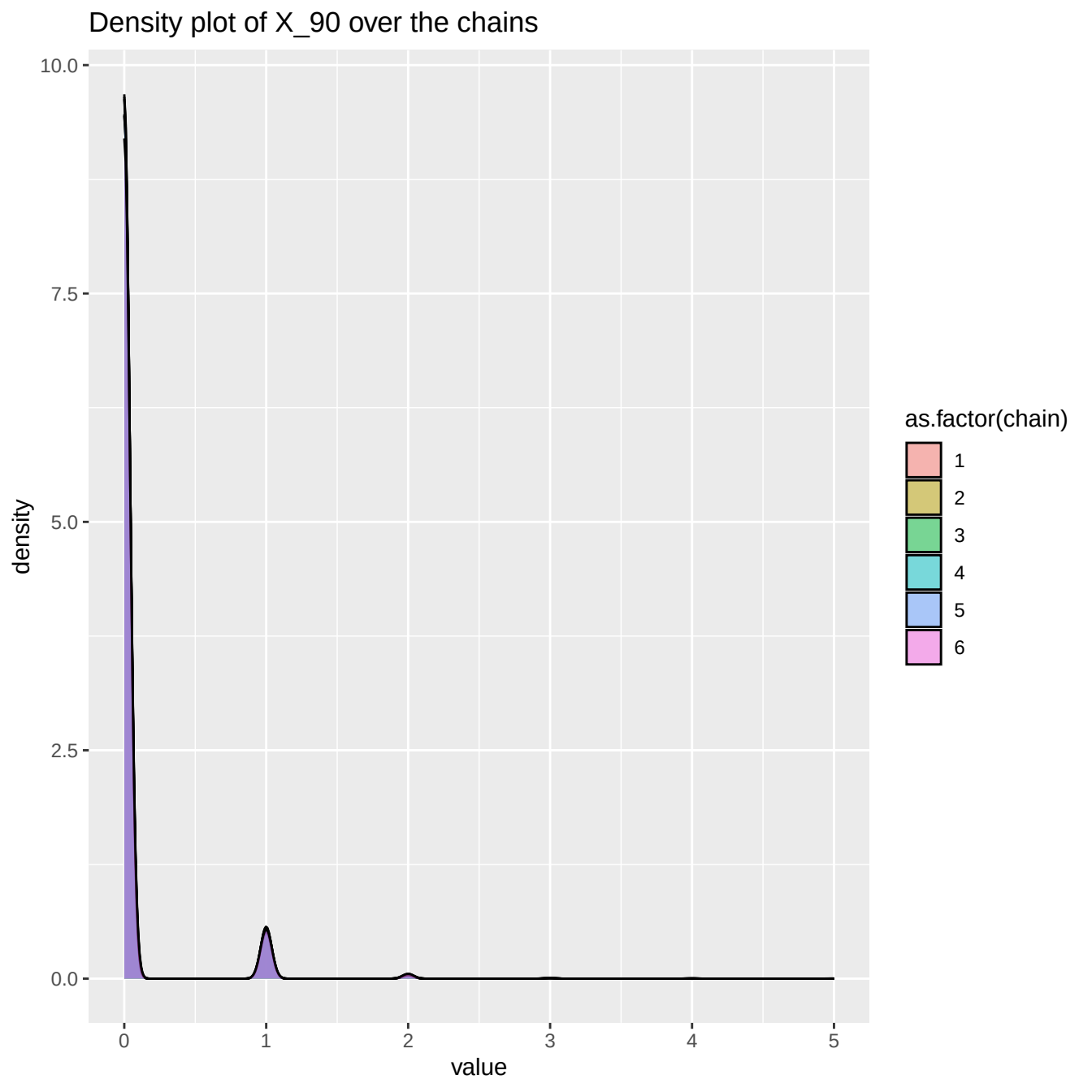

Density plot of X_85 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

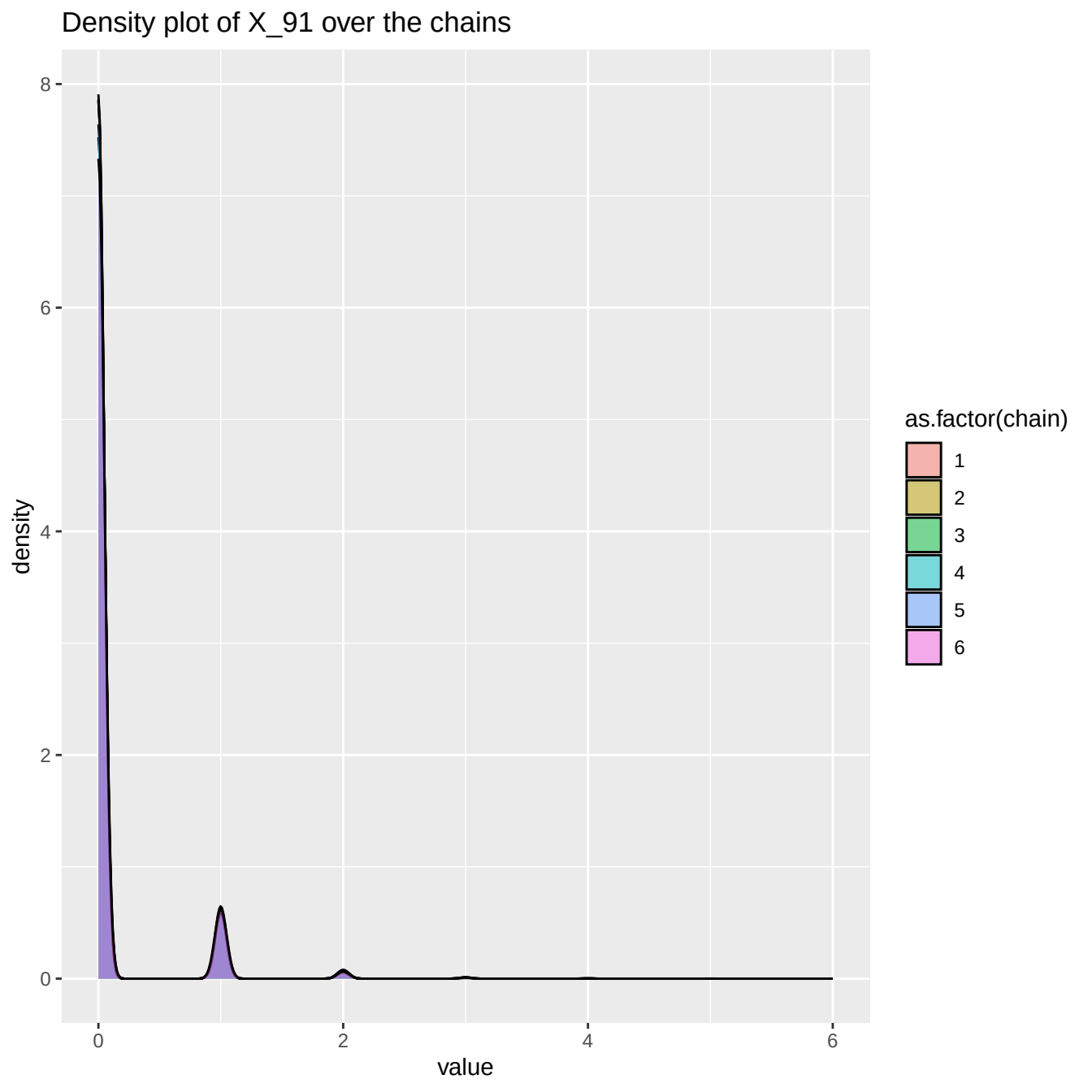

Density plot of X_86 over the chains
density
9
6
3
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

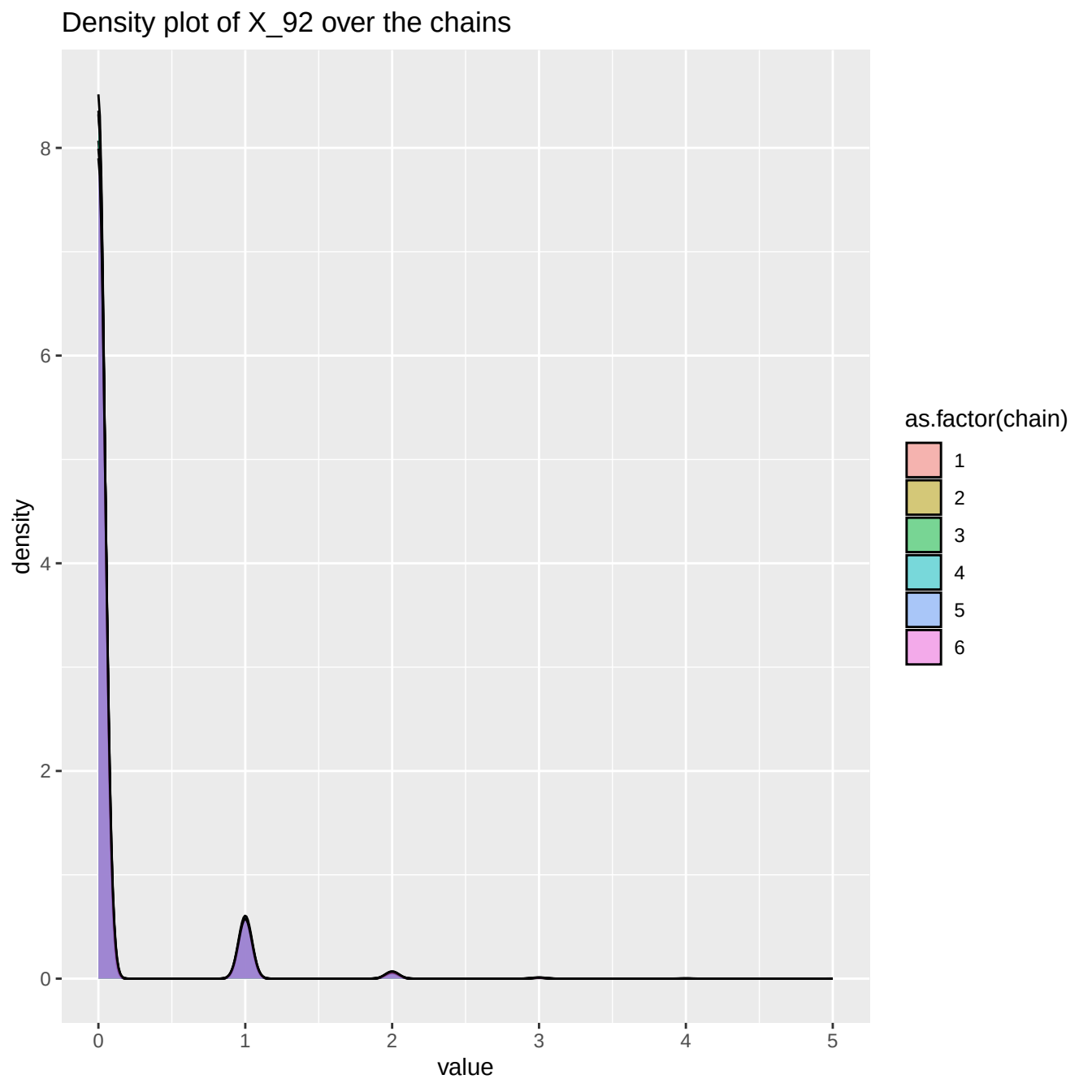

Density plot of X_87 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

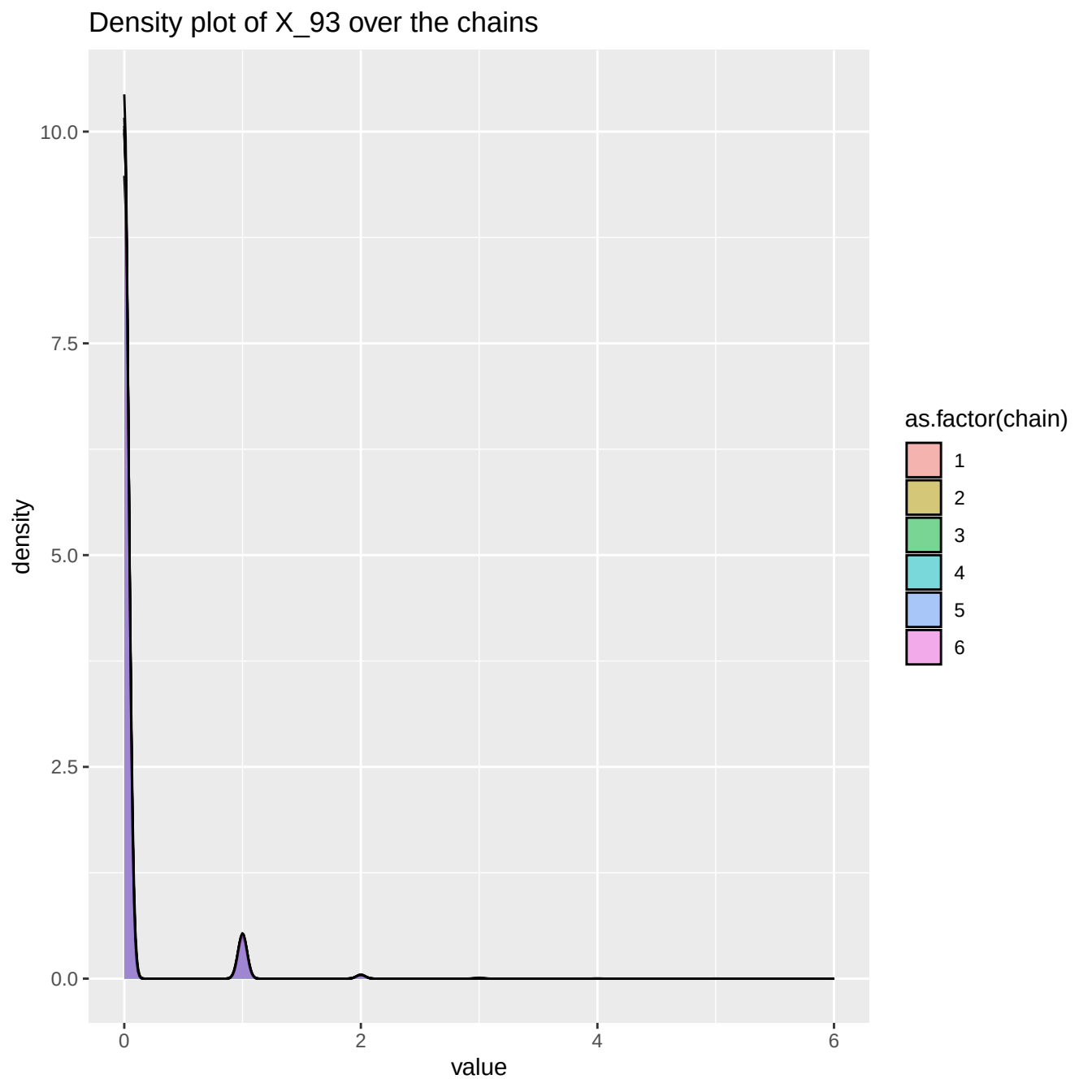

Density plot of X_88 over the chains
density
9
6
3
0
0
1
2
3
4
value
as.factor(chain)
1
2
3
4
5
6

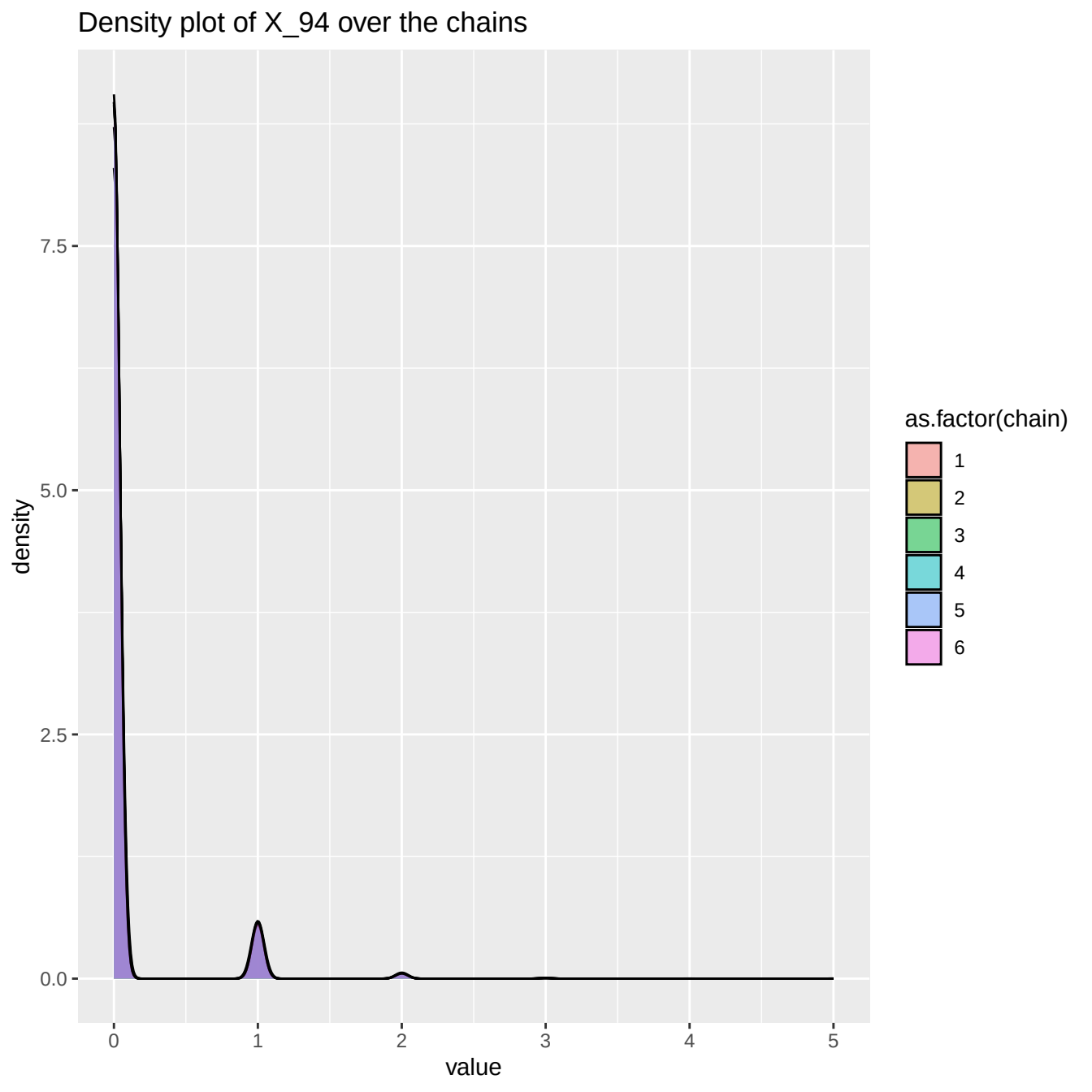

Density plot of X_89 over the chains
density
9
6
3
0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

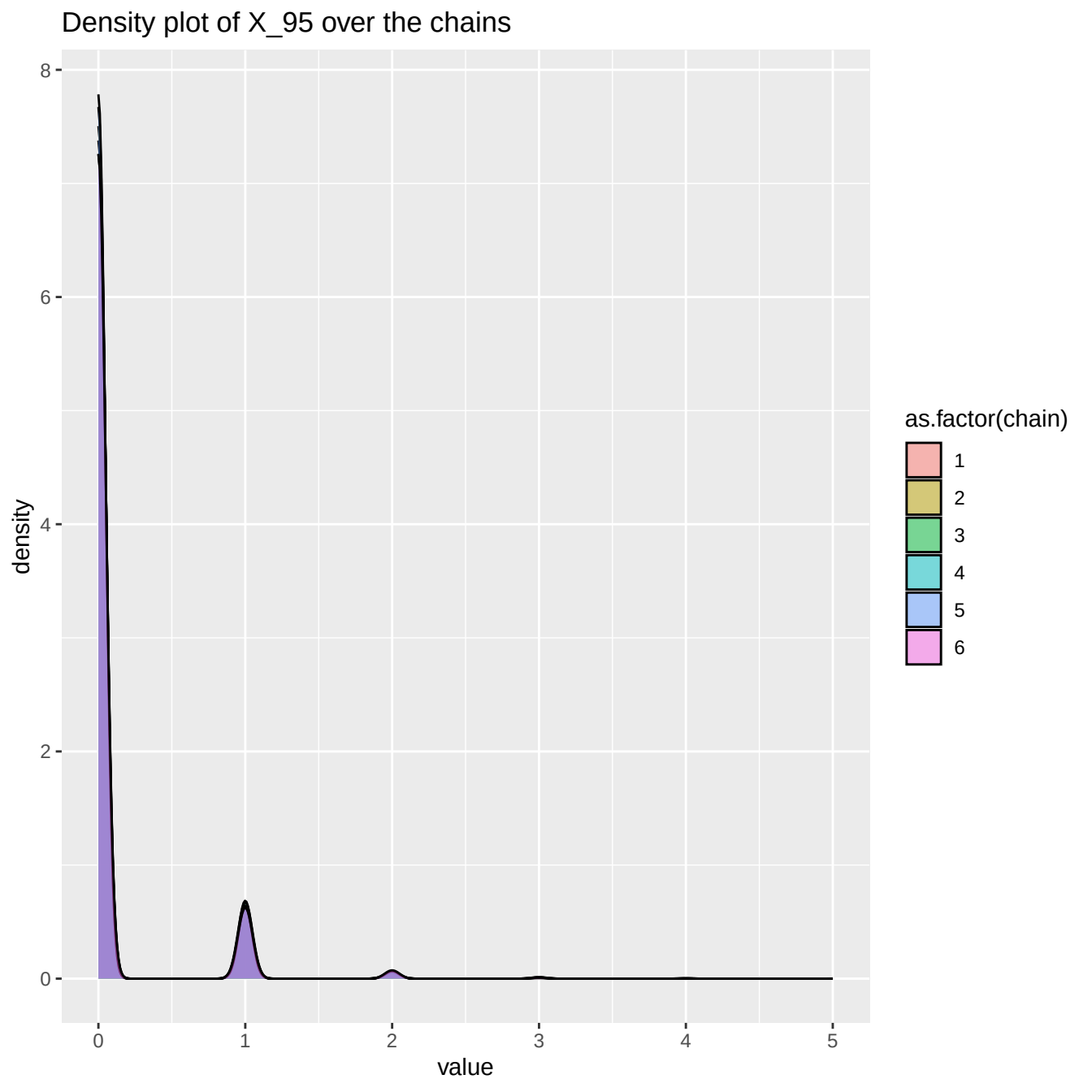

Density plot of X_90 over the chains
10.0
7.5
5.0
2.5
0.0
density
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

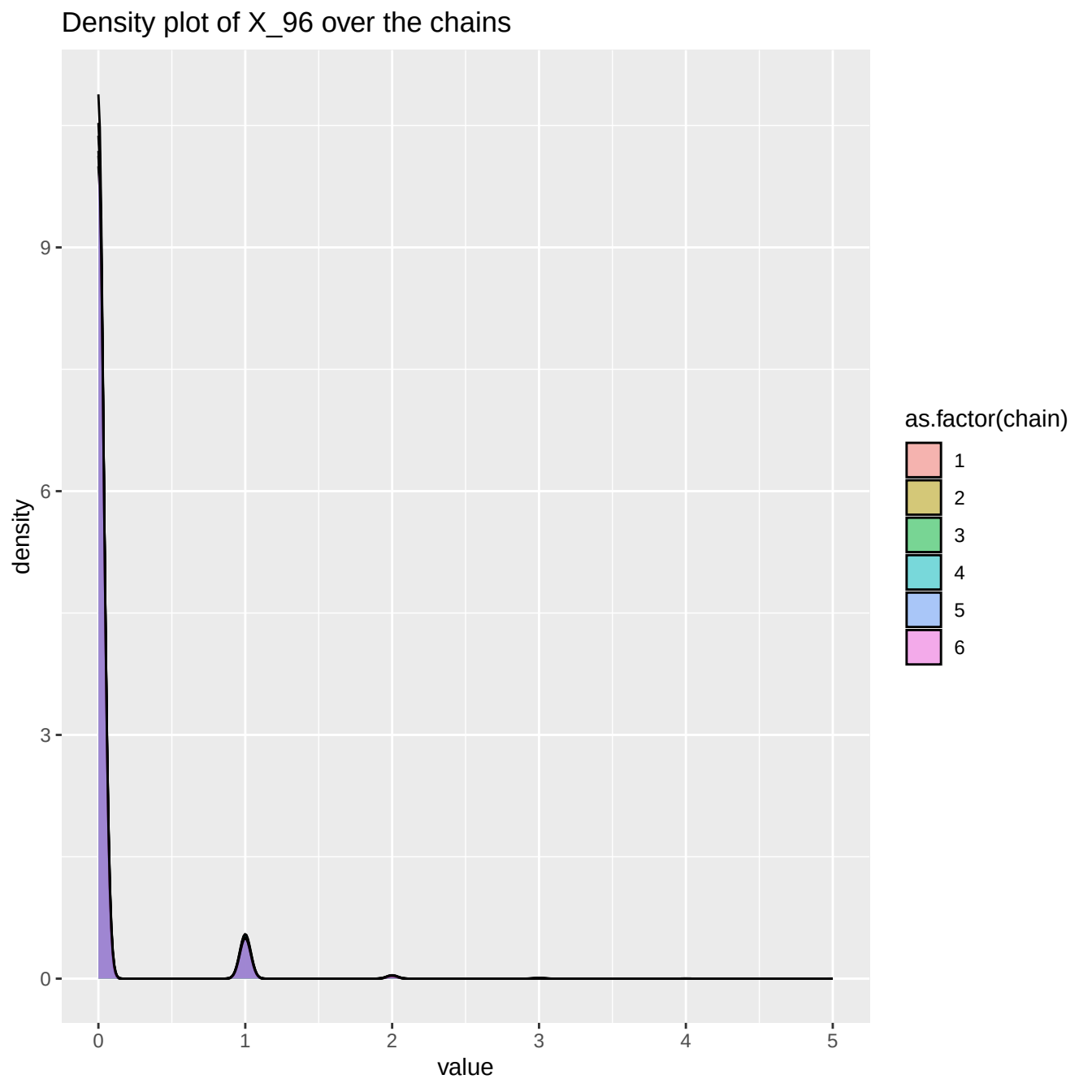

Density plot of X_91 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

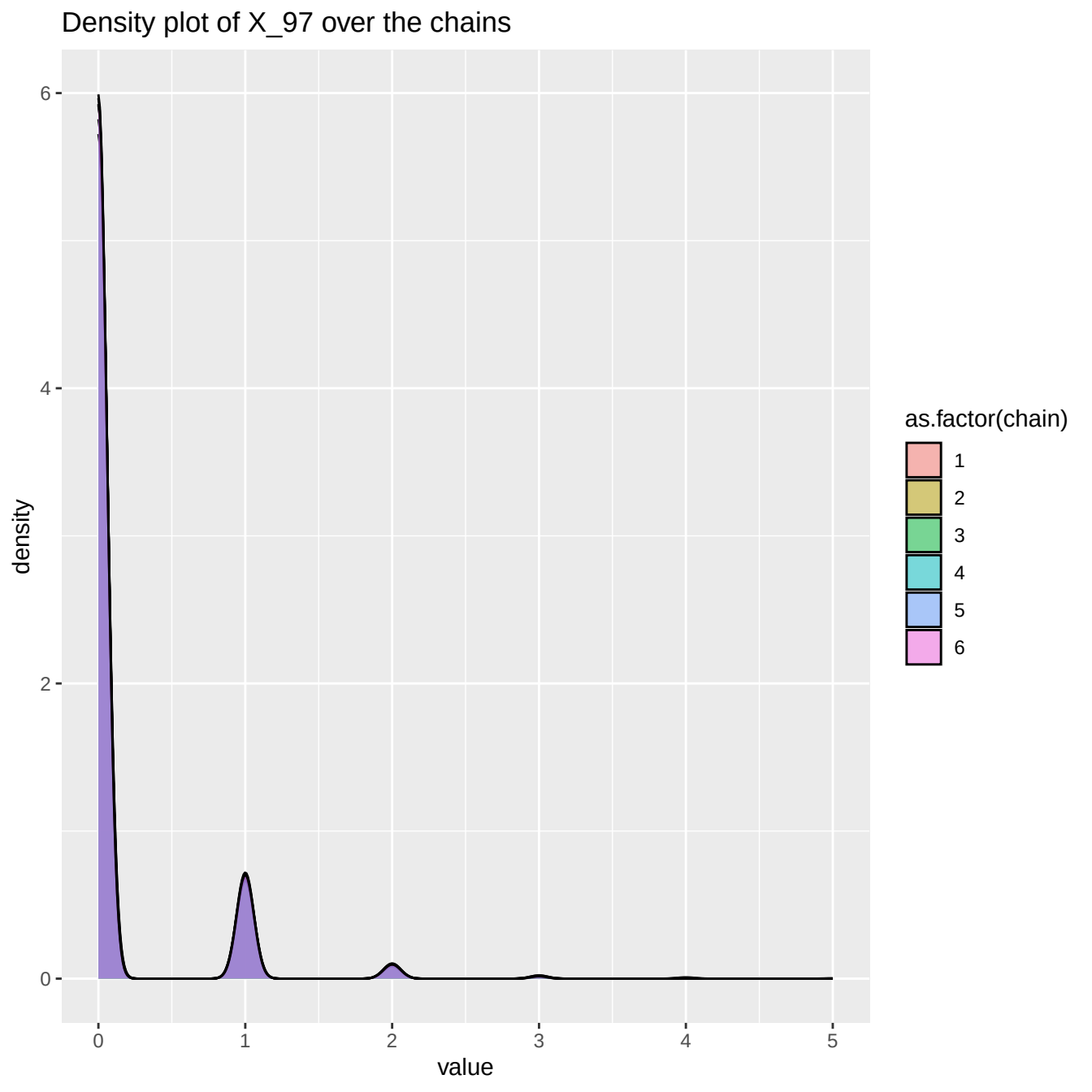

Density plot of X_92 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
8
0
1
2
3
4
5

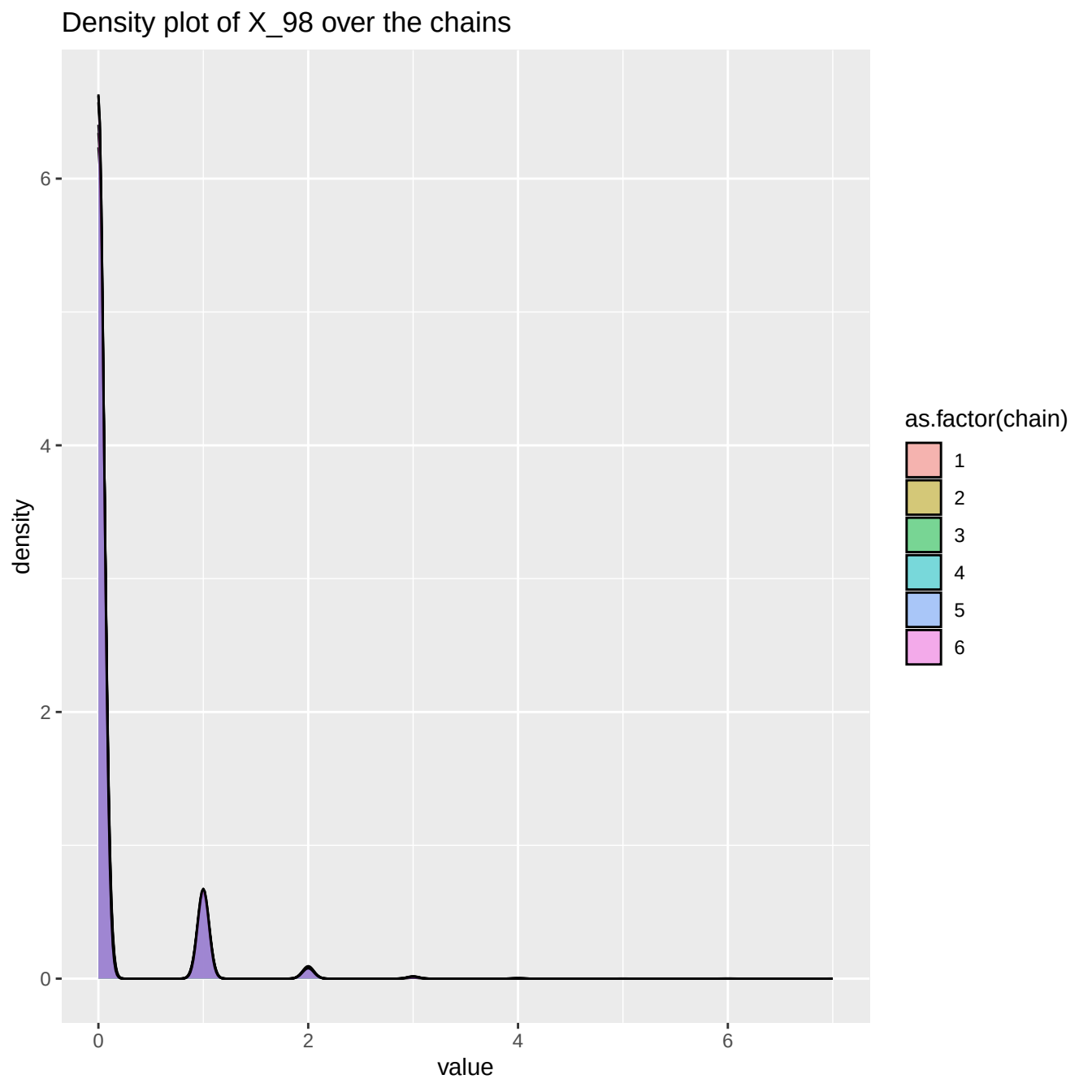

Density plot of X_93 over the chains
density
10.0
7.5
5.0
2.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4
5
6

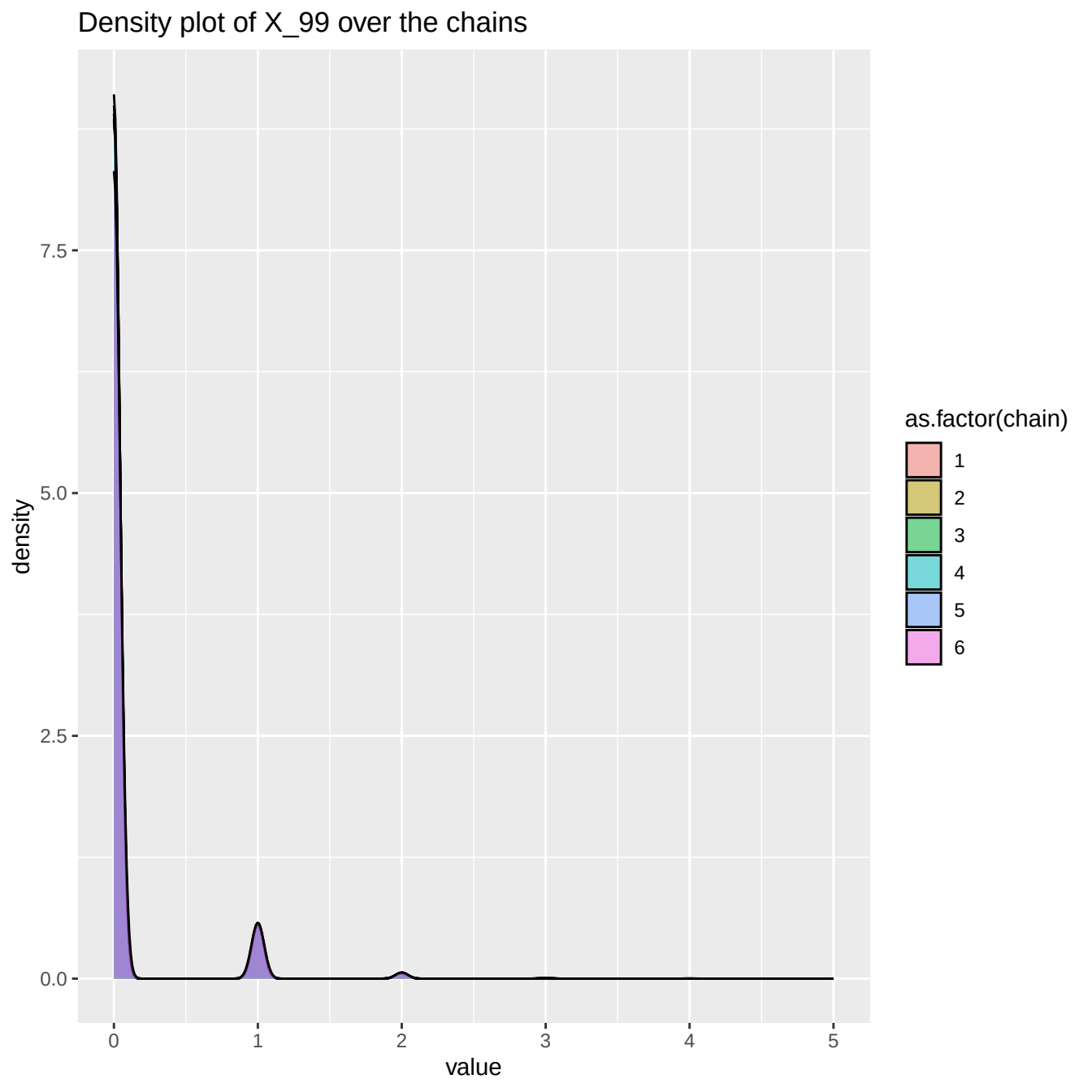

Density plot of X_94 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

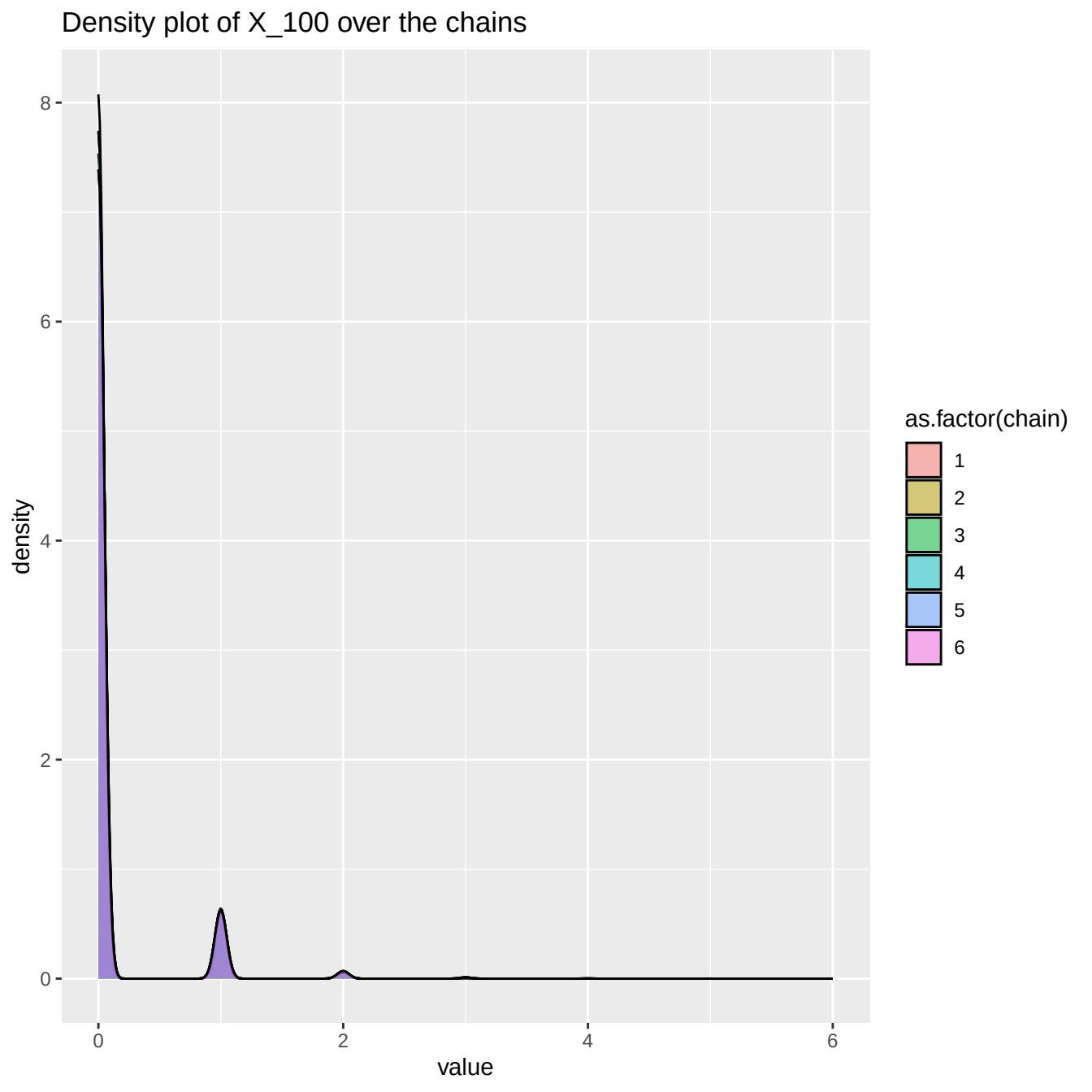

Density plot of X_95 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
8
0
1
2
3
4
5

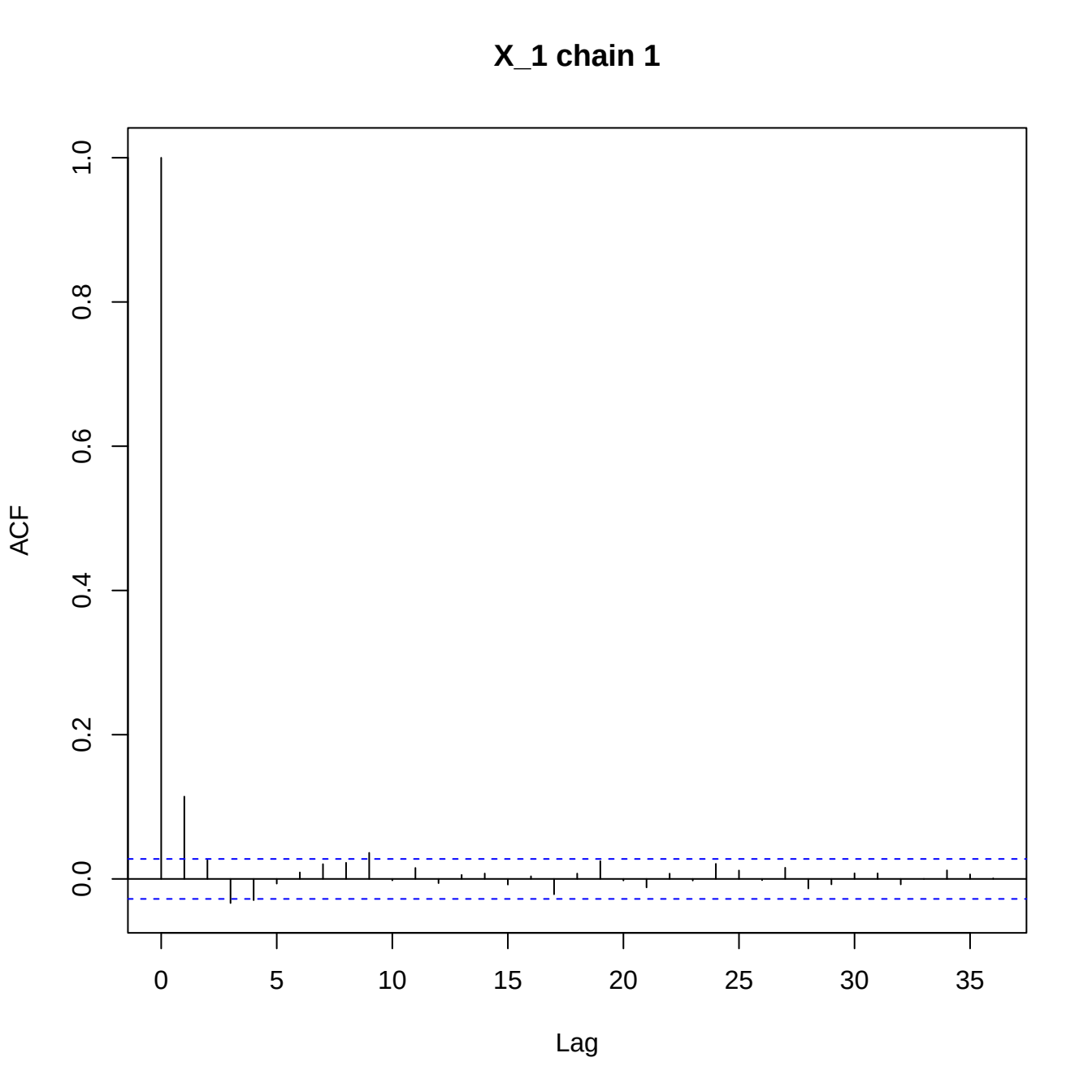

Density plot of X_96 over the chains
density
9
6
3
0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

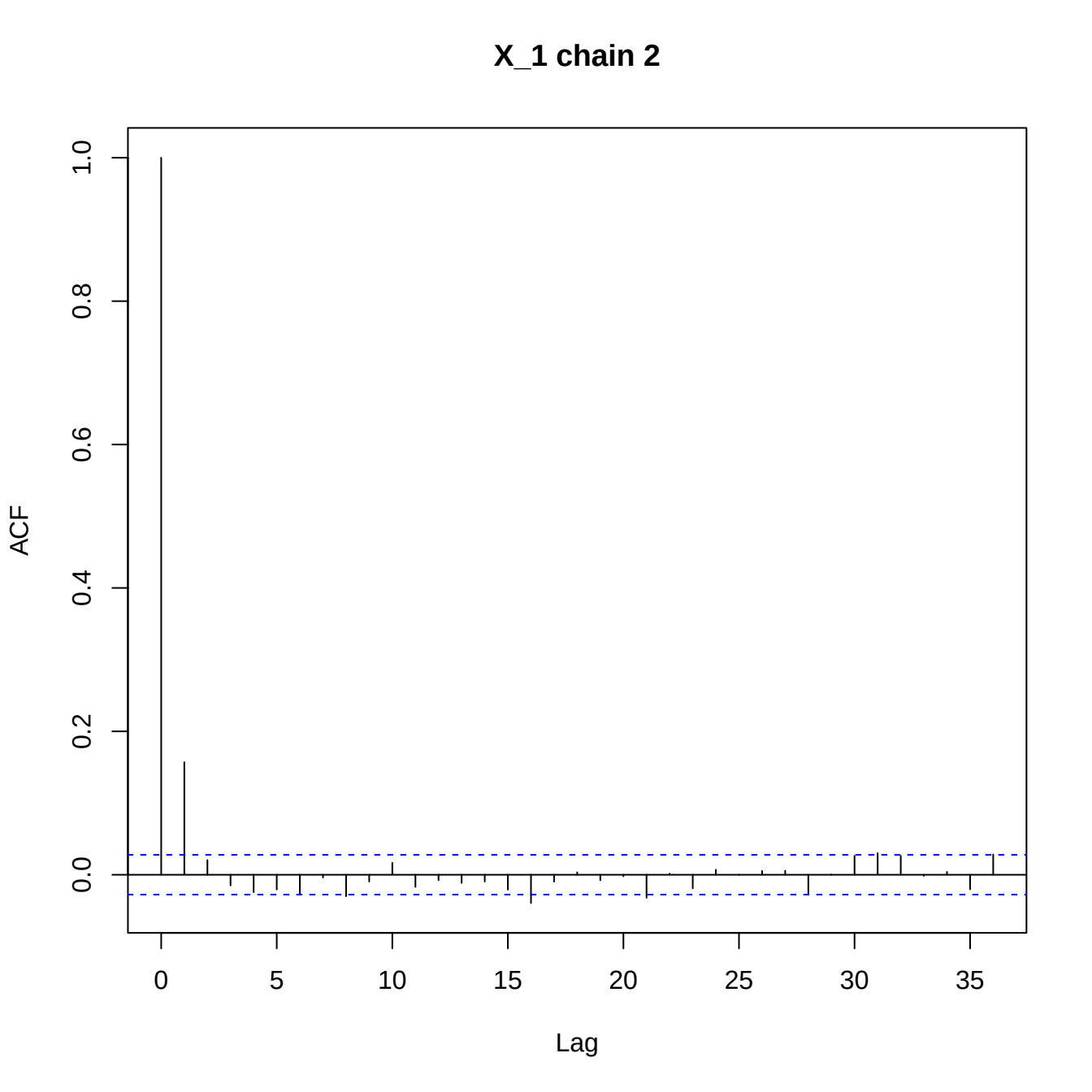

Density plot of X_97 over the chains
density
value
as.factor(chain)
1
2
3
4
5
6
0
2
4
6
0
1
2
3
4
5

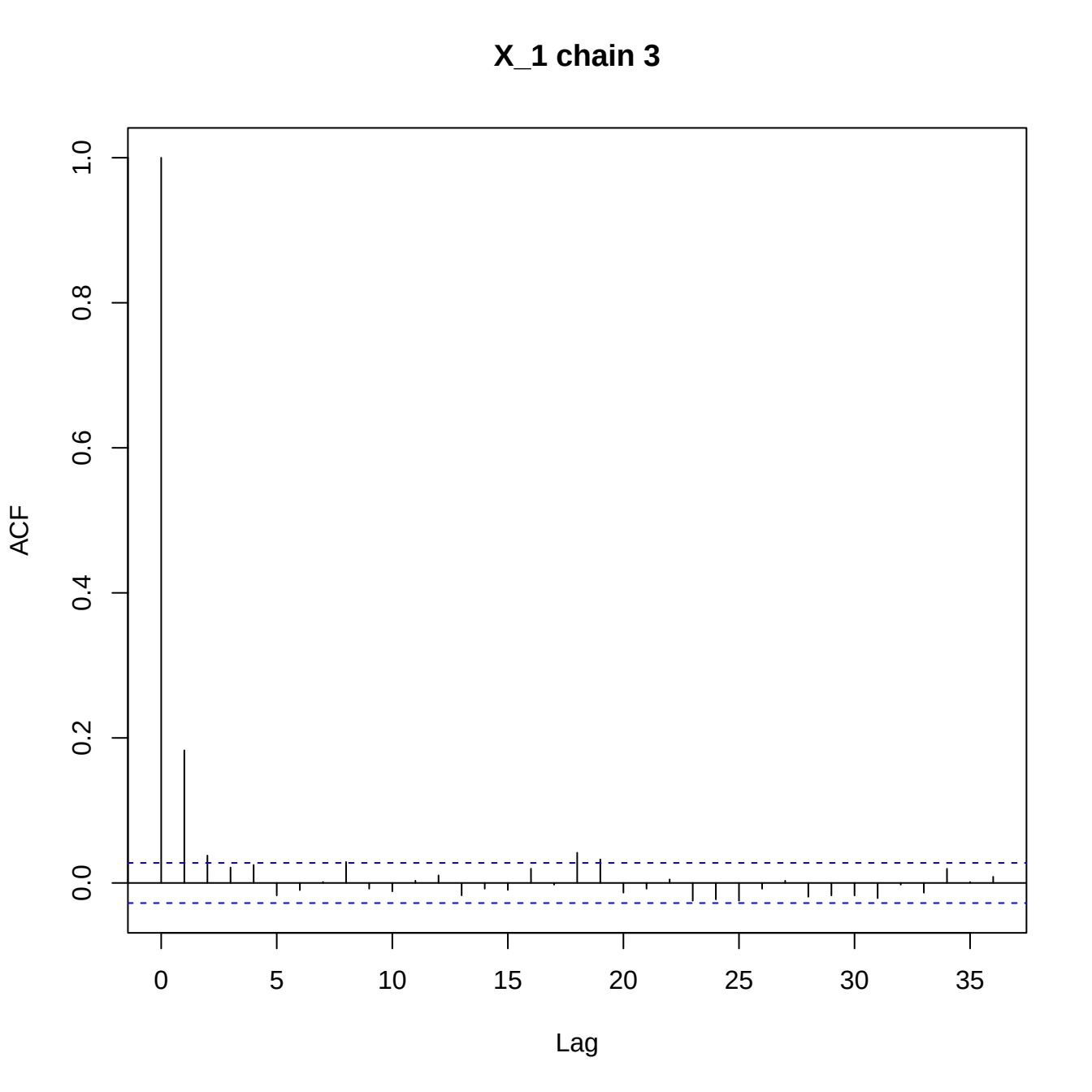

Density plot of X_98 over the chains
density
value
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

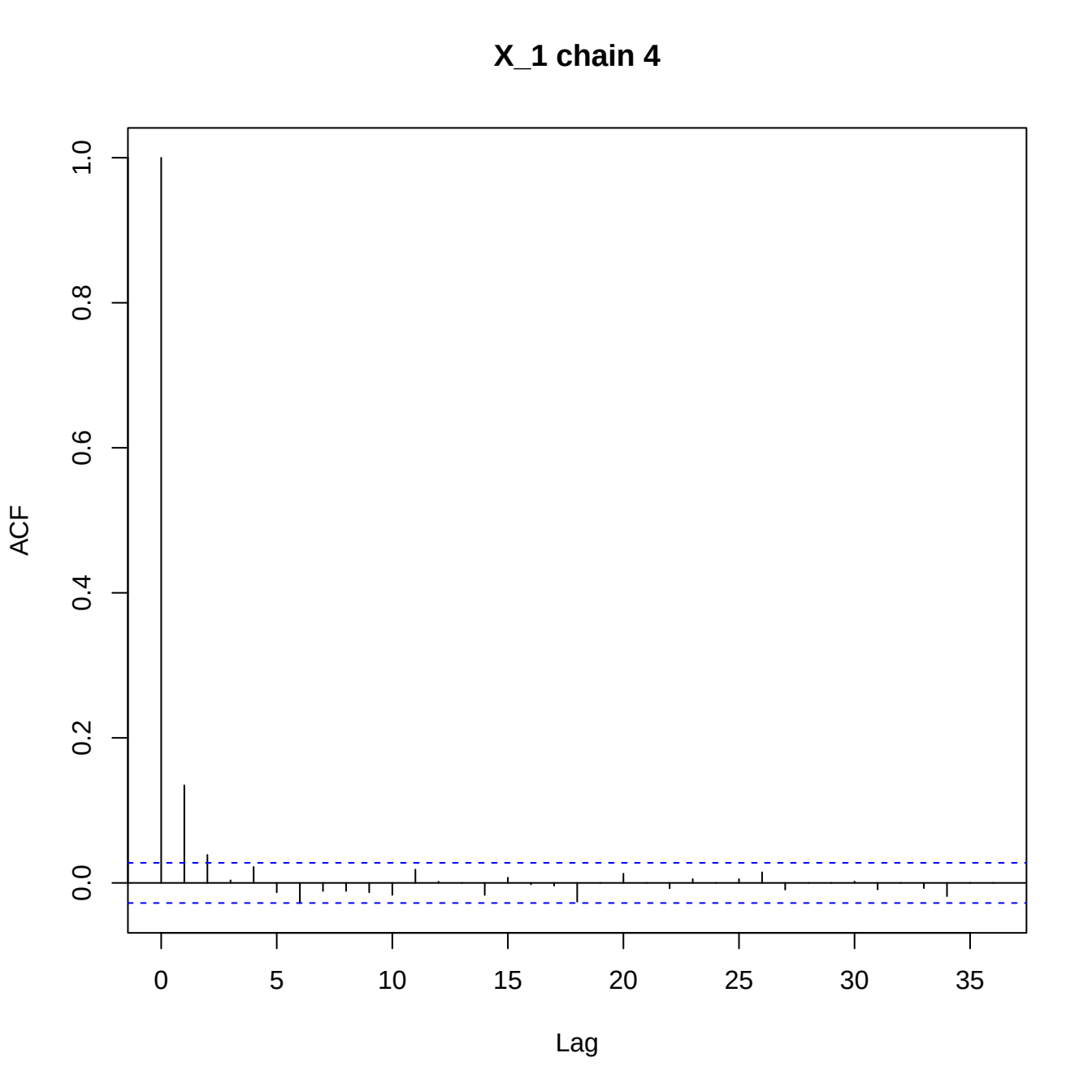

Density plot of X_99 over the chains
density
7.5
5.0
2.5
0.0
0
1
2
3
4
5
value
as.factor(chain)
1
2
3
4
5
6

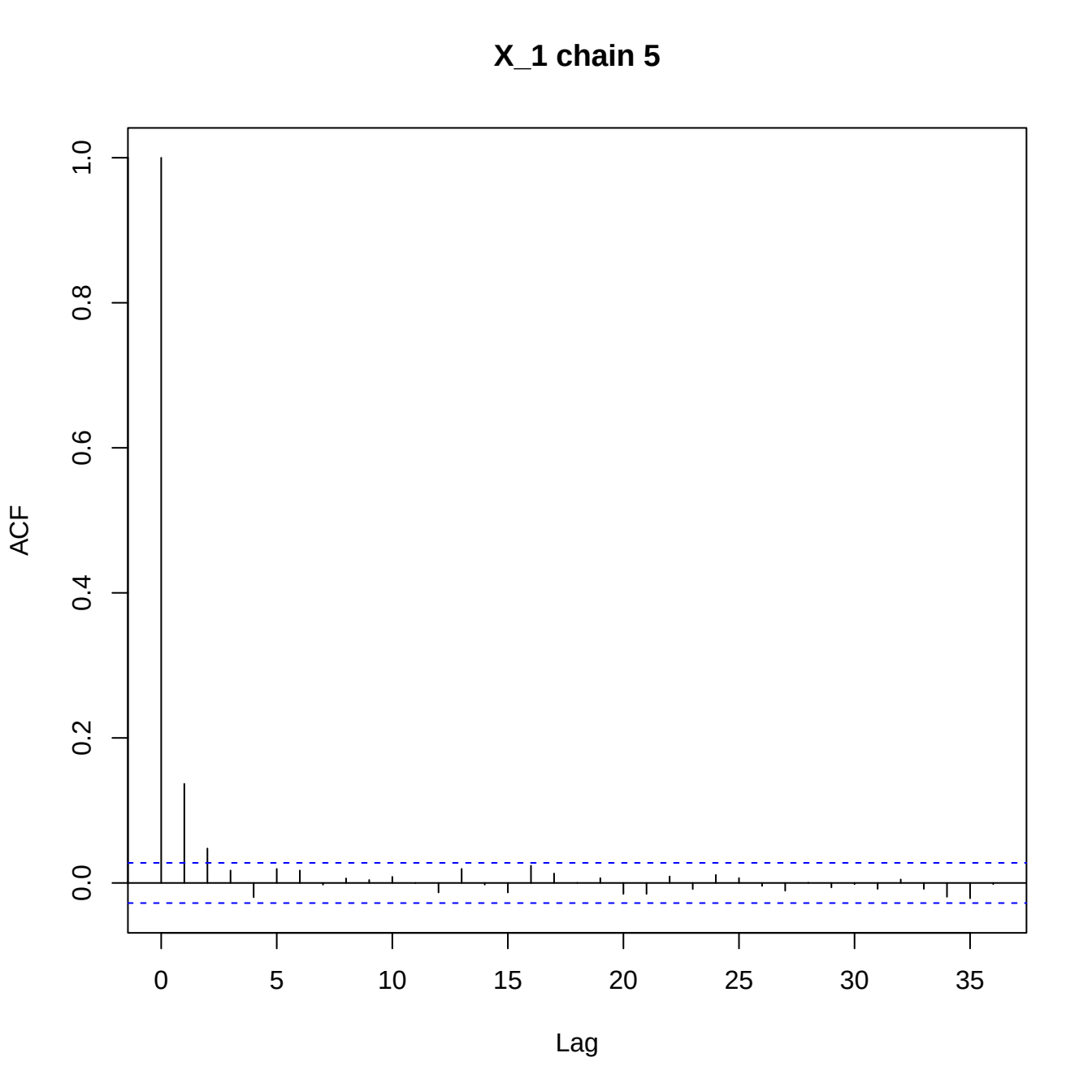

Density plot of X_100 over the chains
density
value
0
2
4
6
8
0
2
4
6
as.factor(chain)
1
2
3
4
5
6

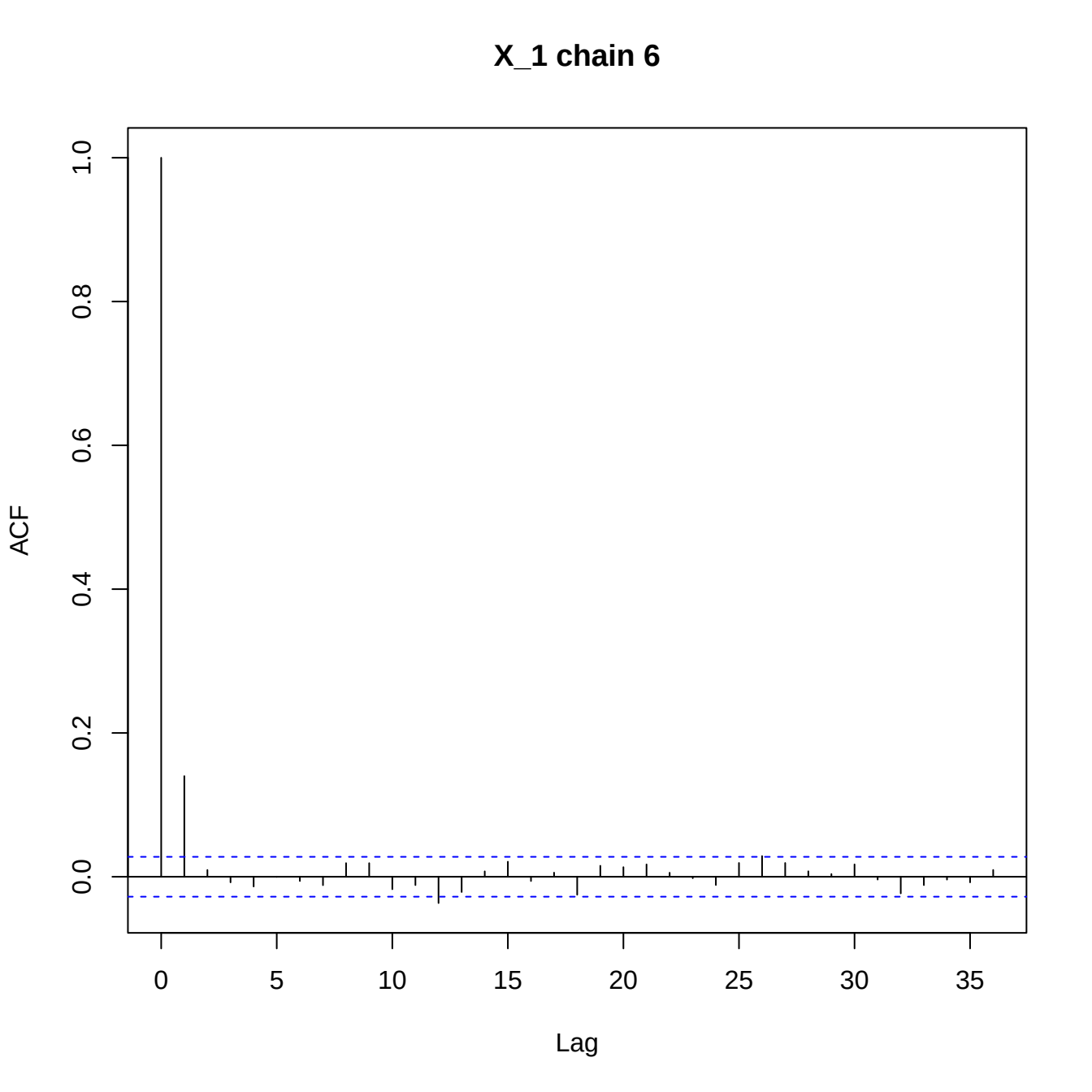

X_1 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

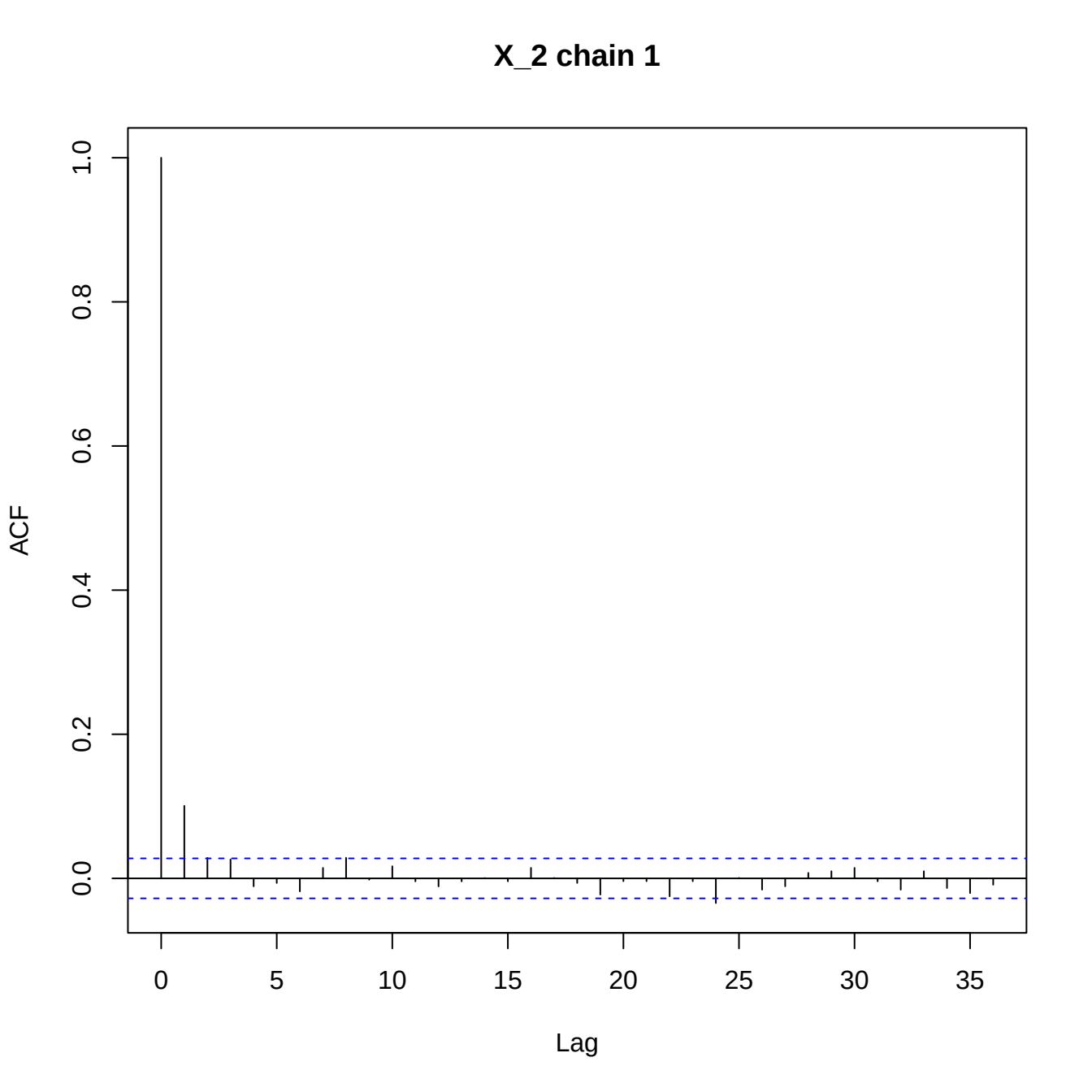

X_1 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

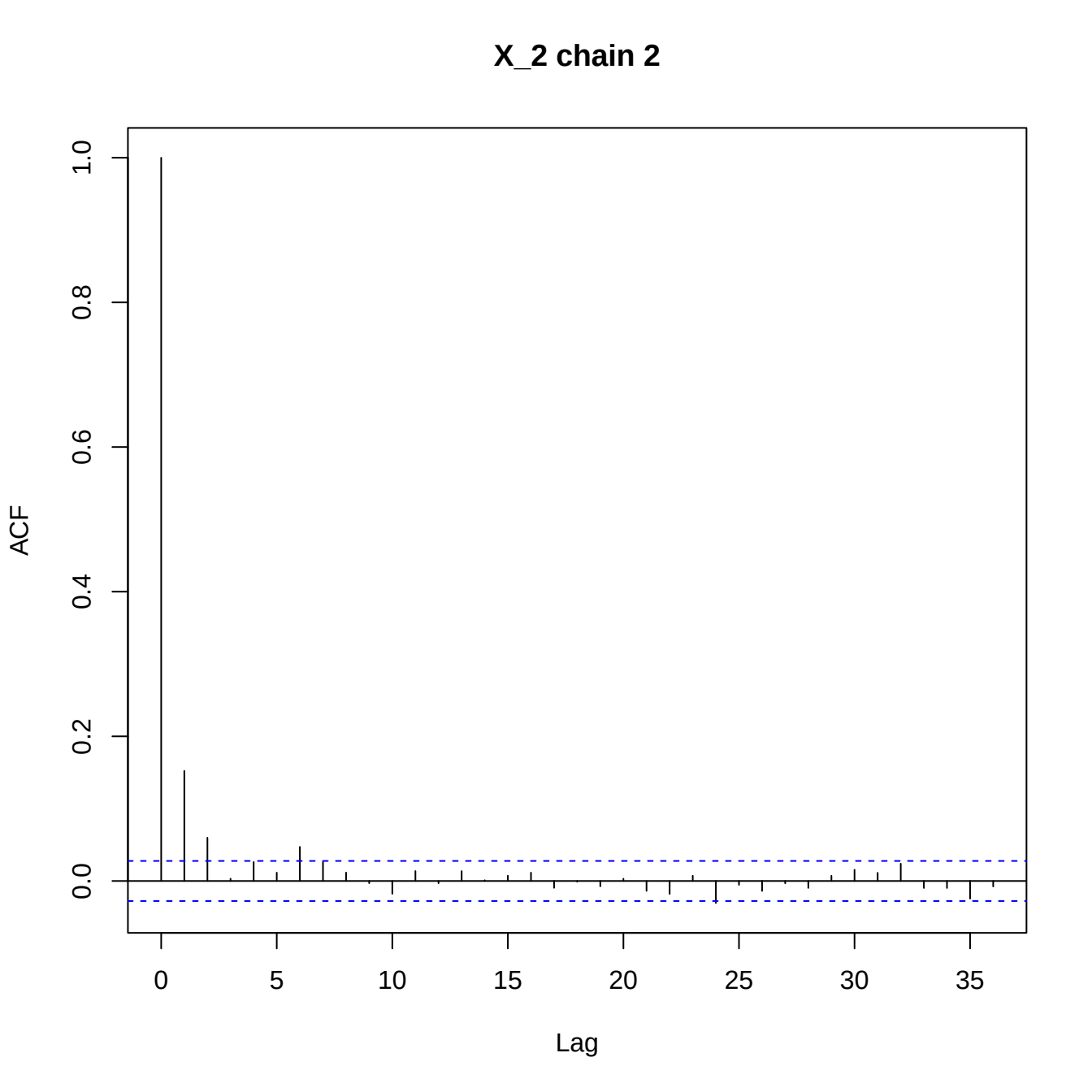

X_1 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

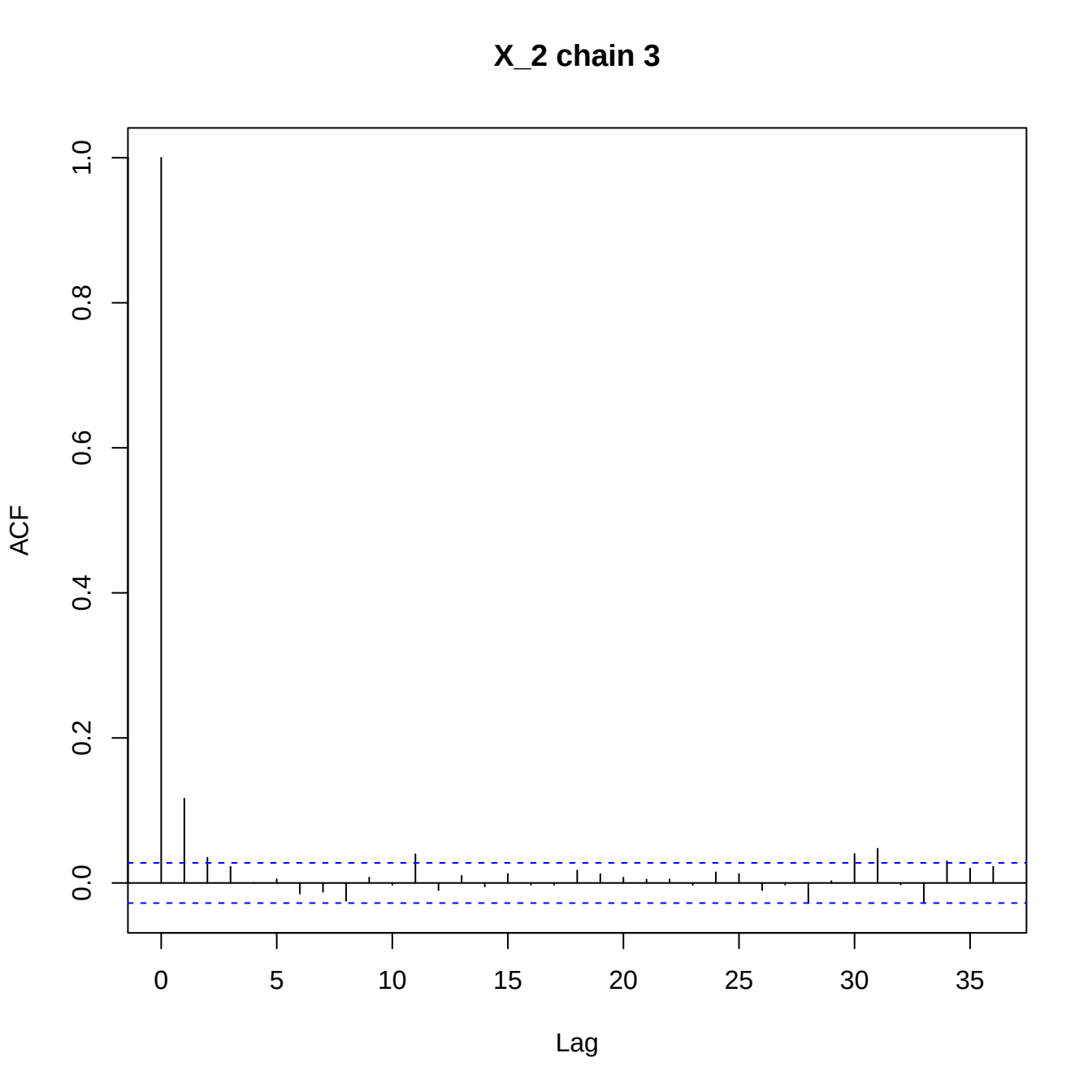

X_1 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

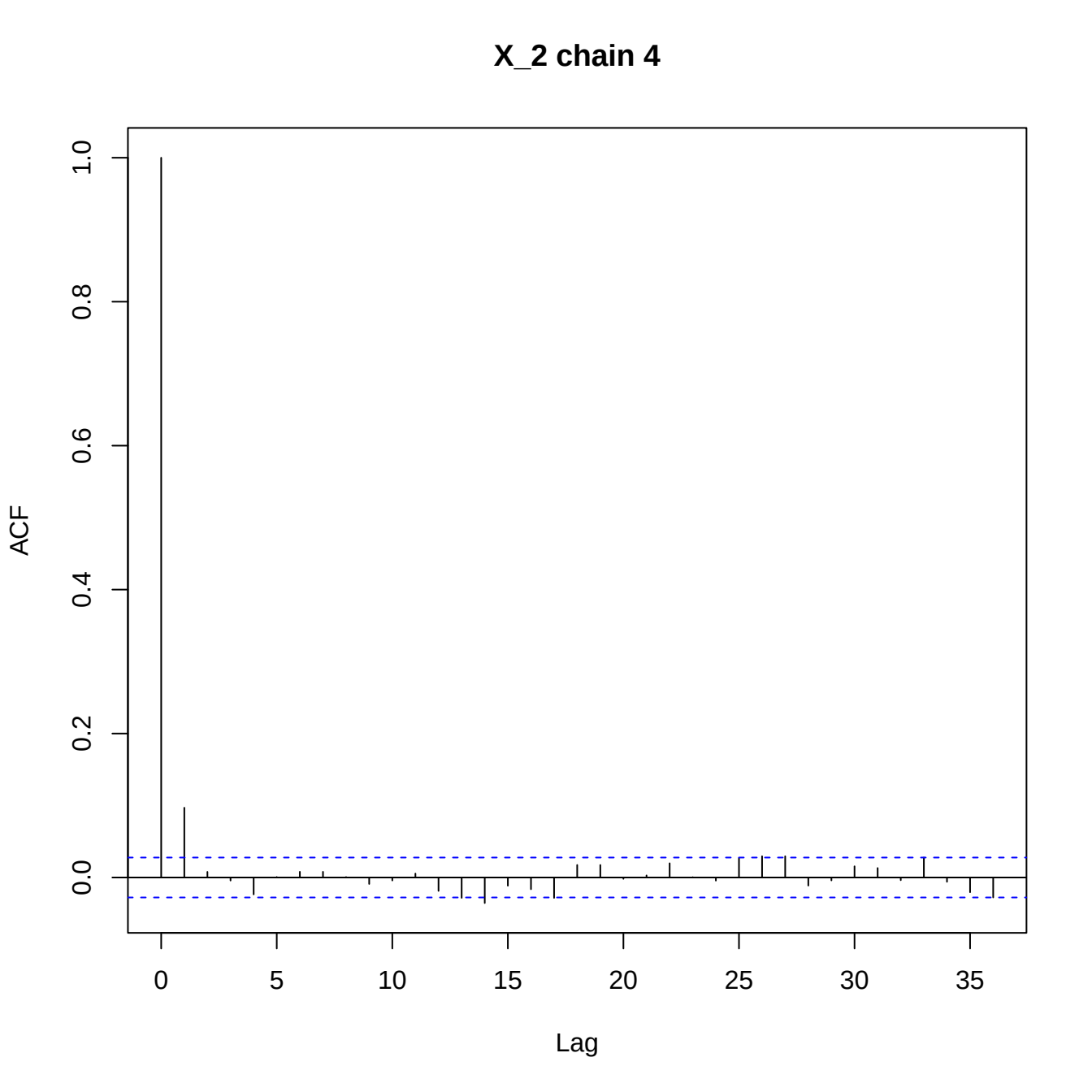

X_1 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

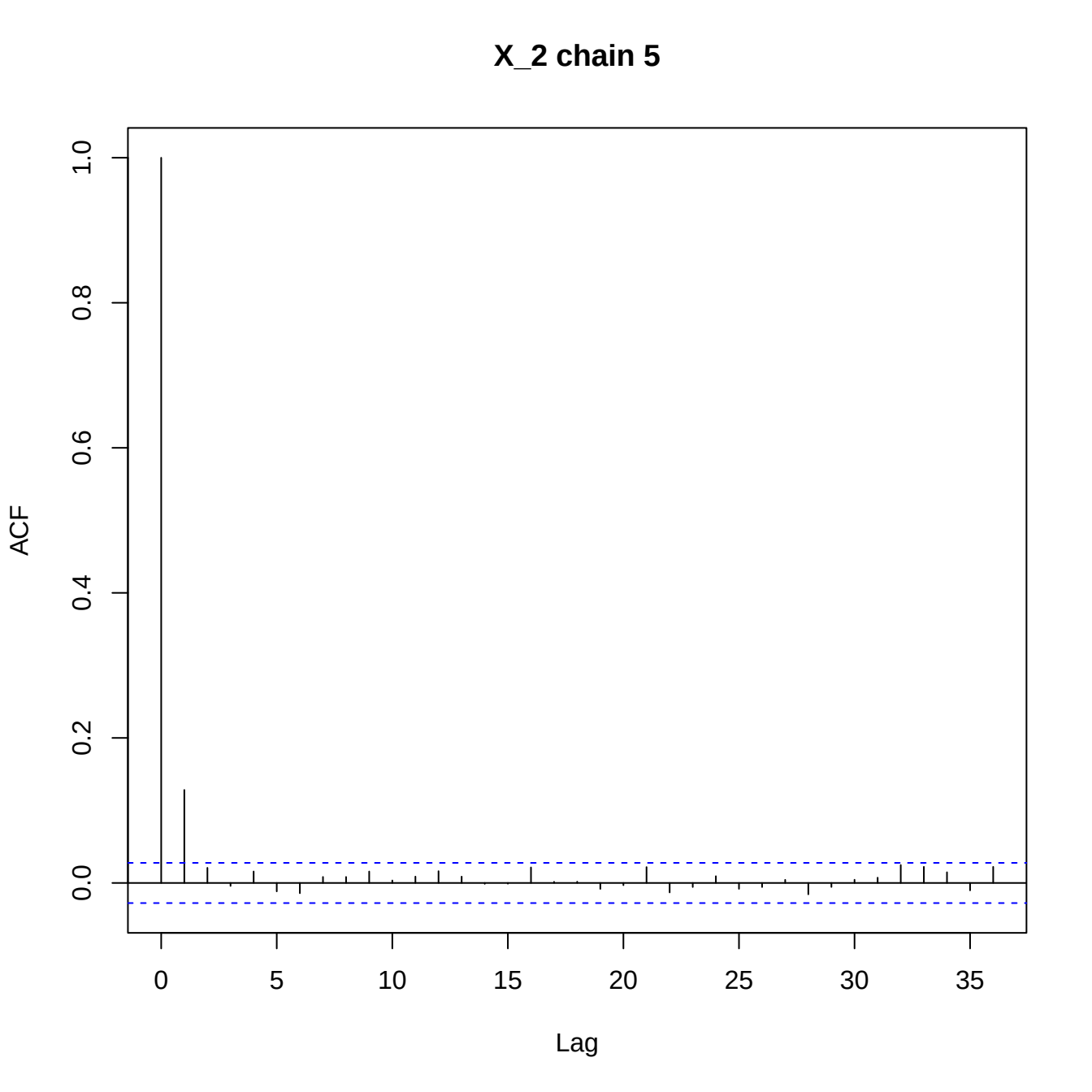

X_1 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

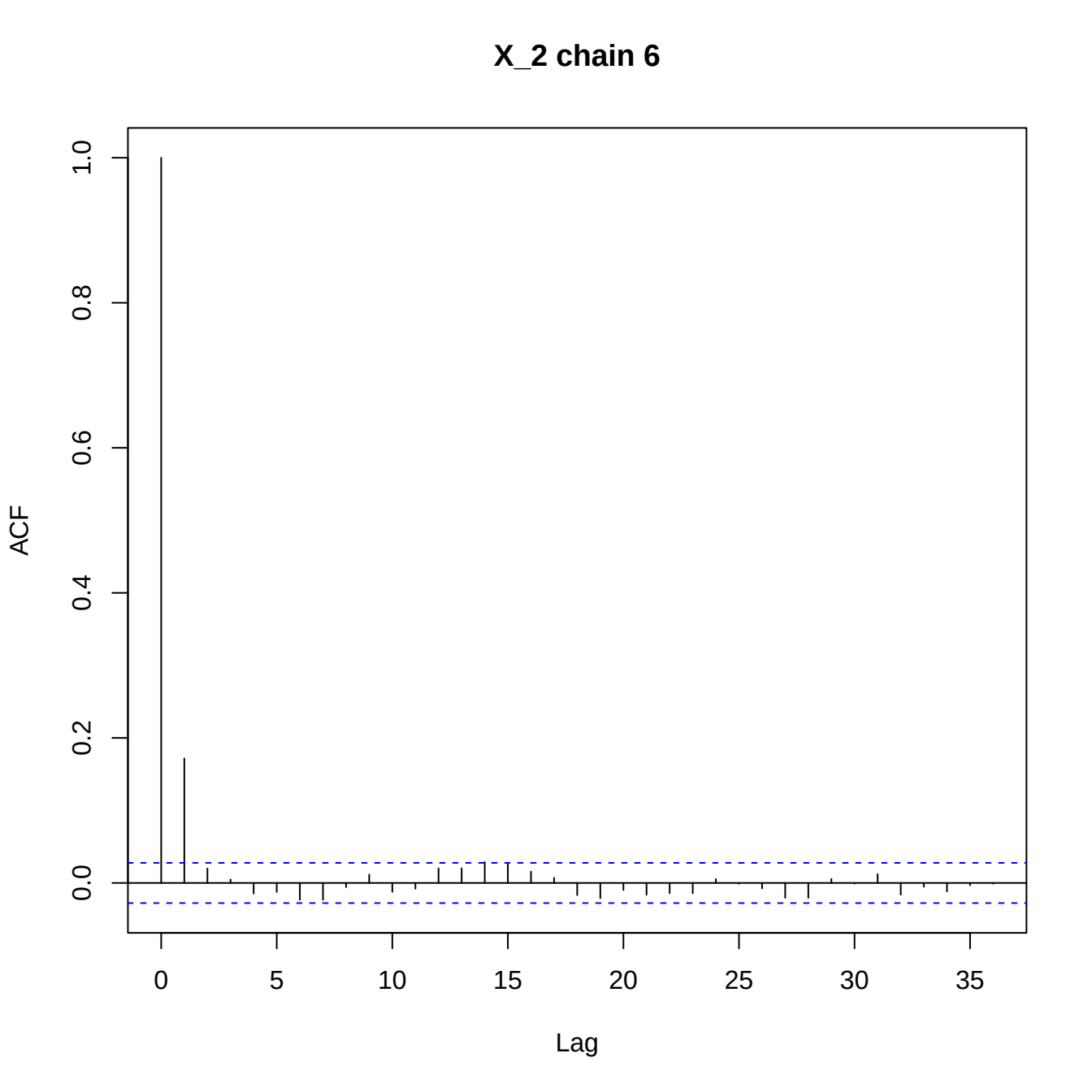

X_2 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

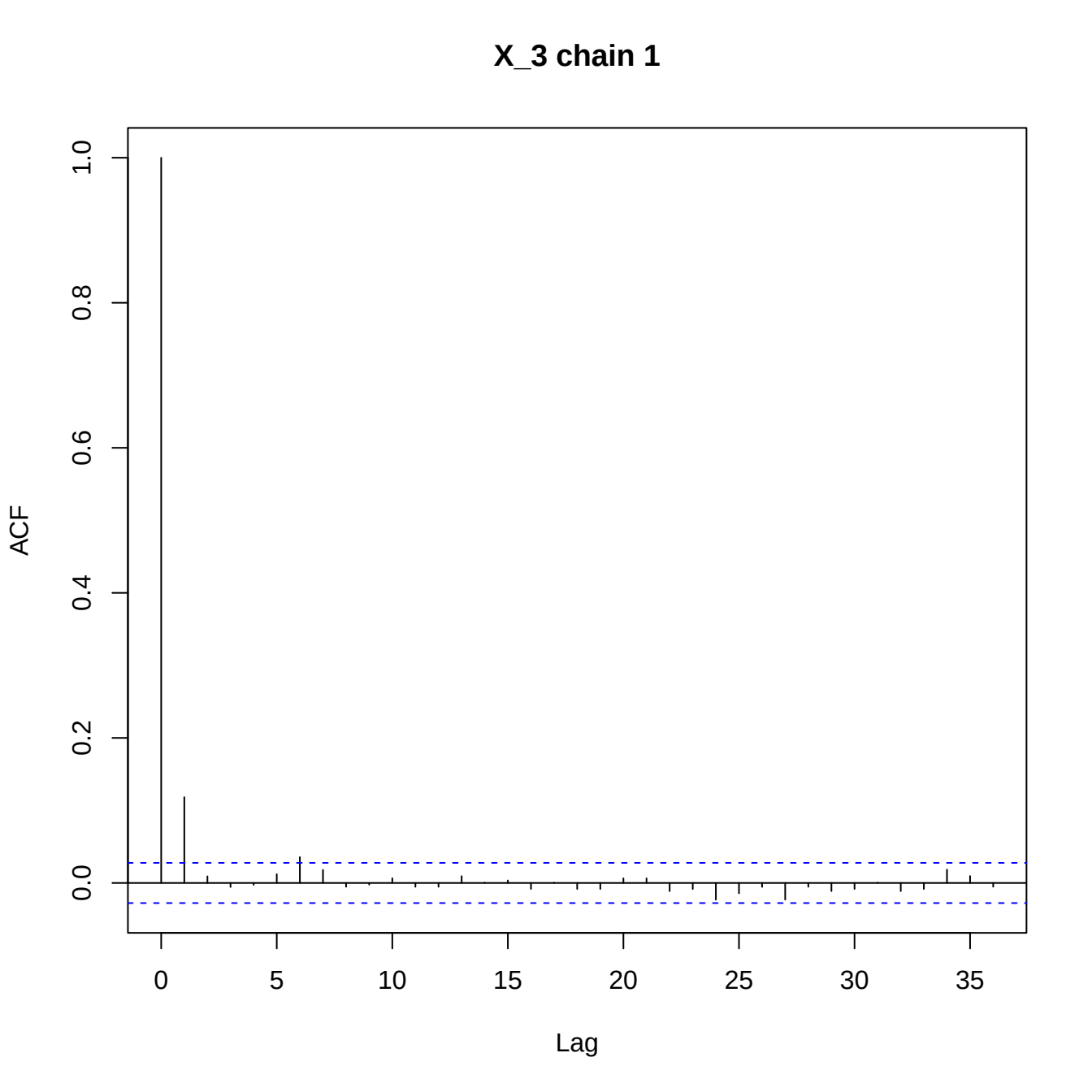

X_2 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

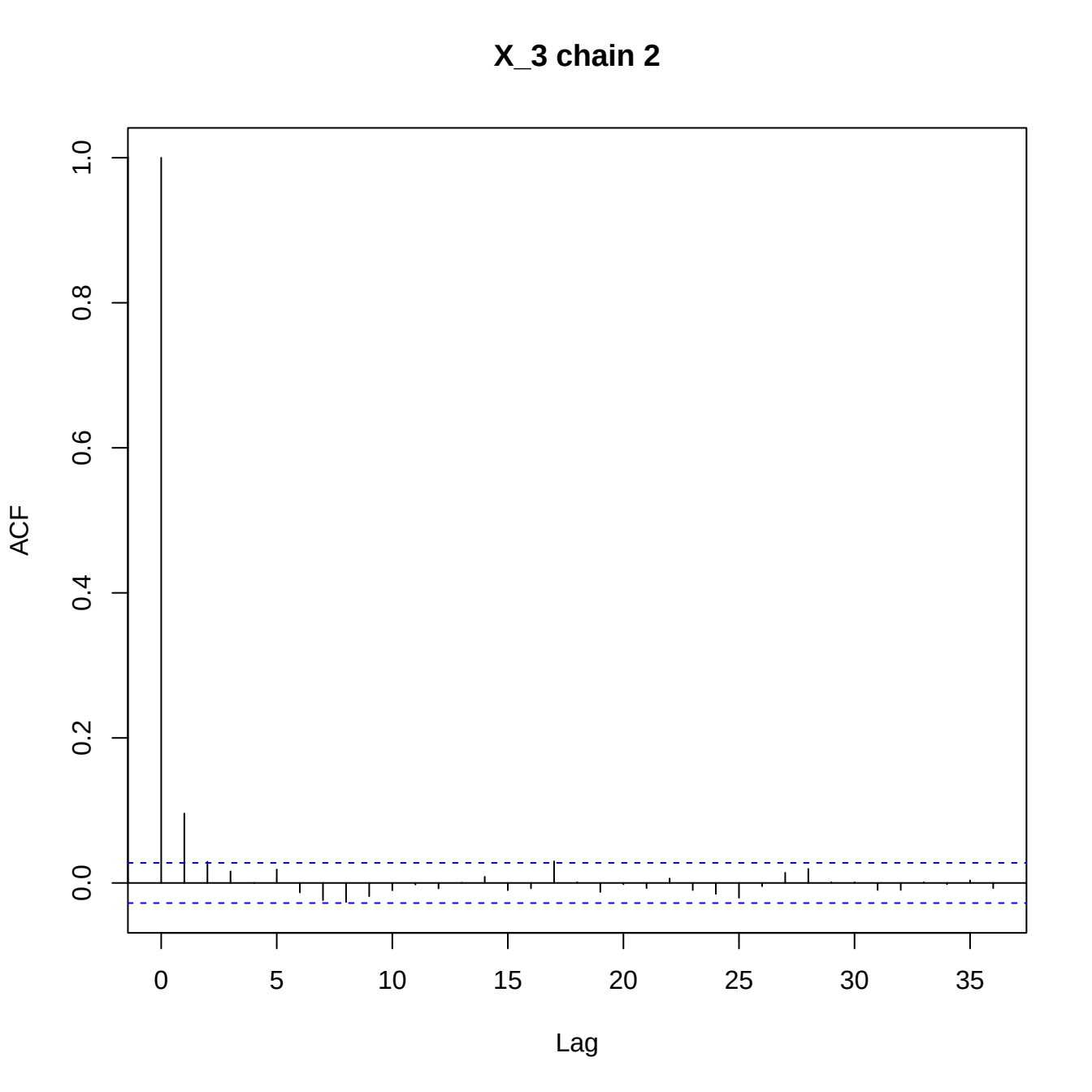

X_2 chain 3
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag

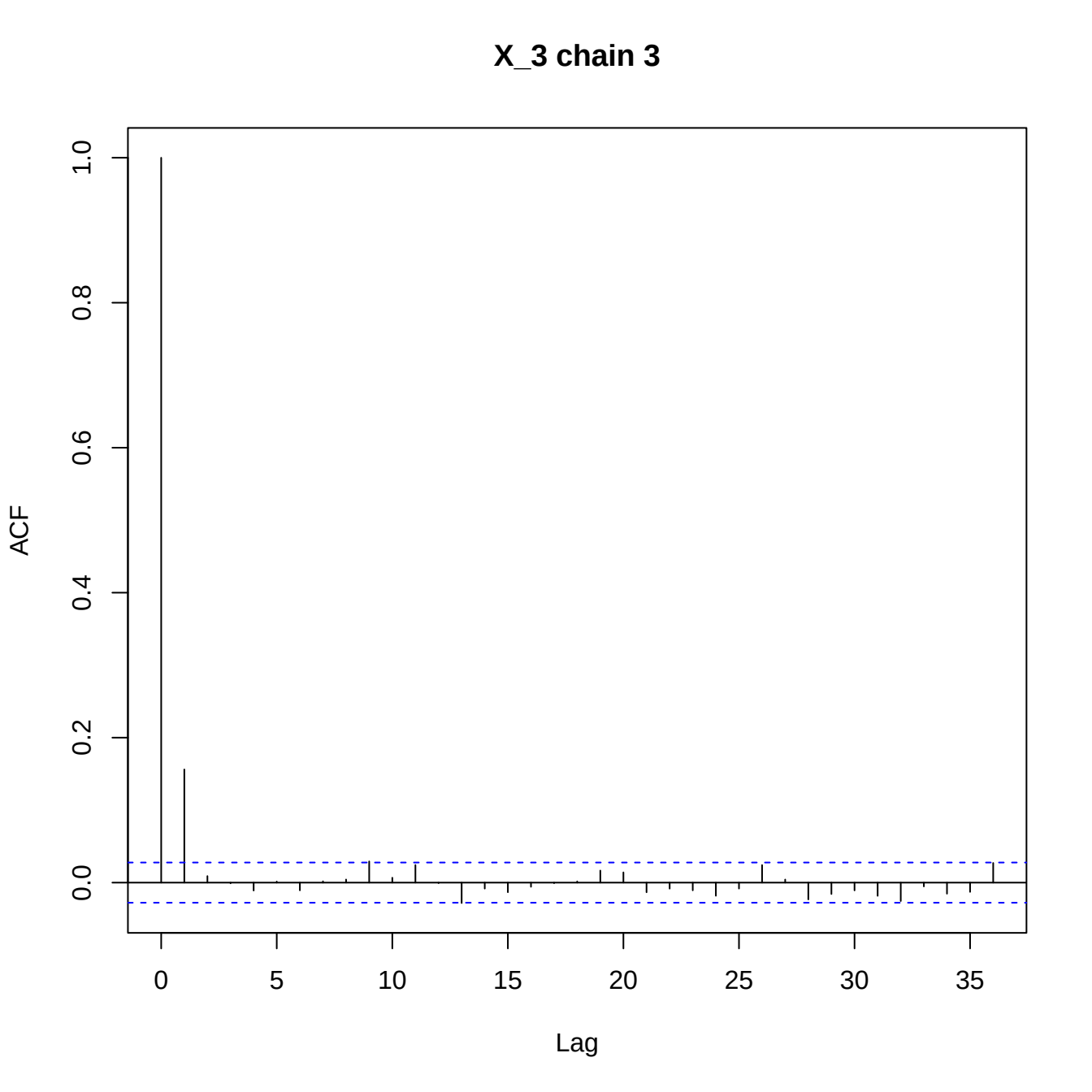

X_2 chain 4
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag


X_2 chain 5
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag


X_2 chain 6
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag


X_3 chain 1
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag


X_3 chain 2
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag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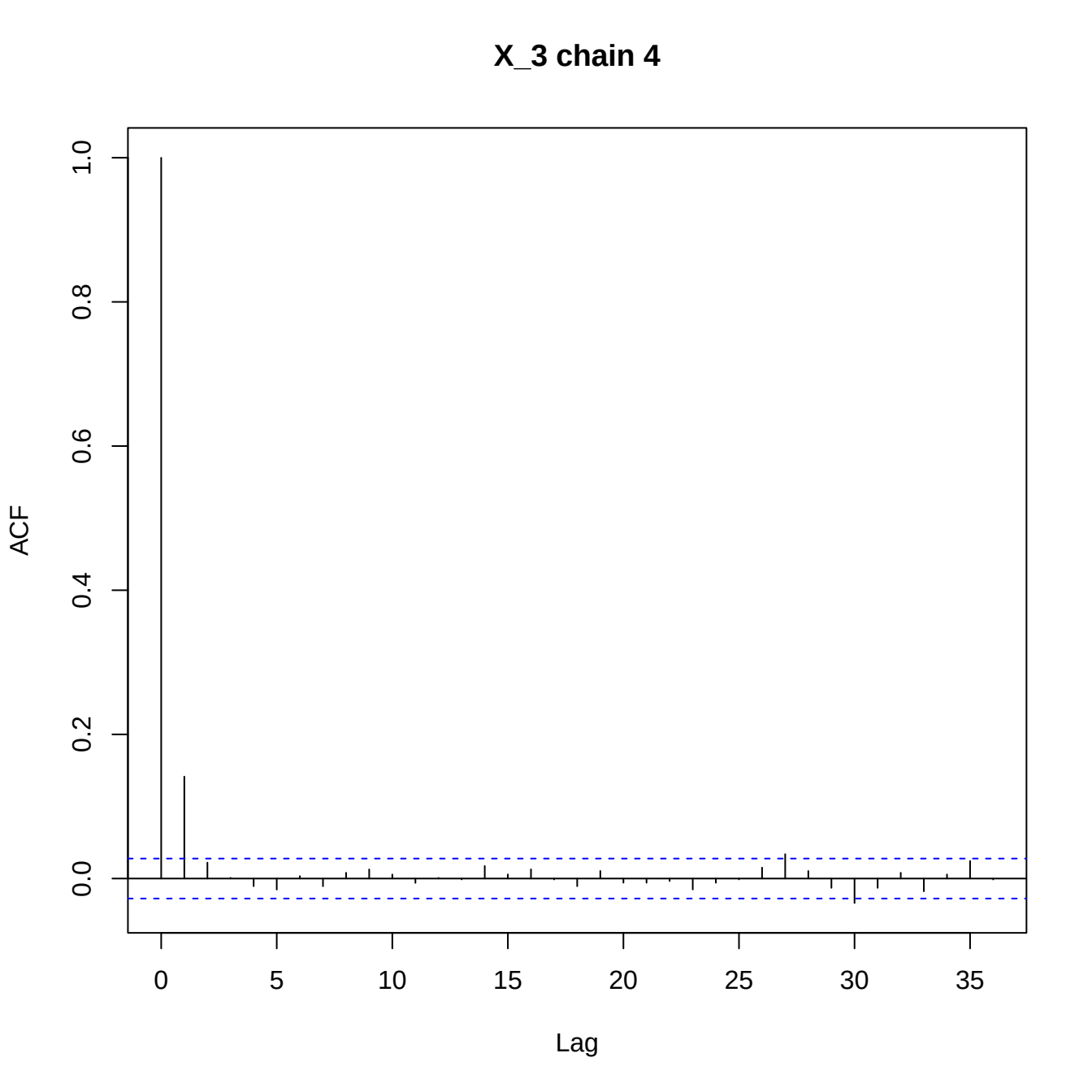
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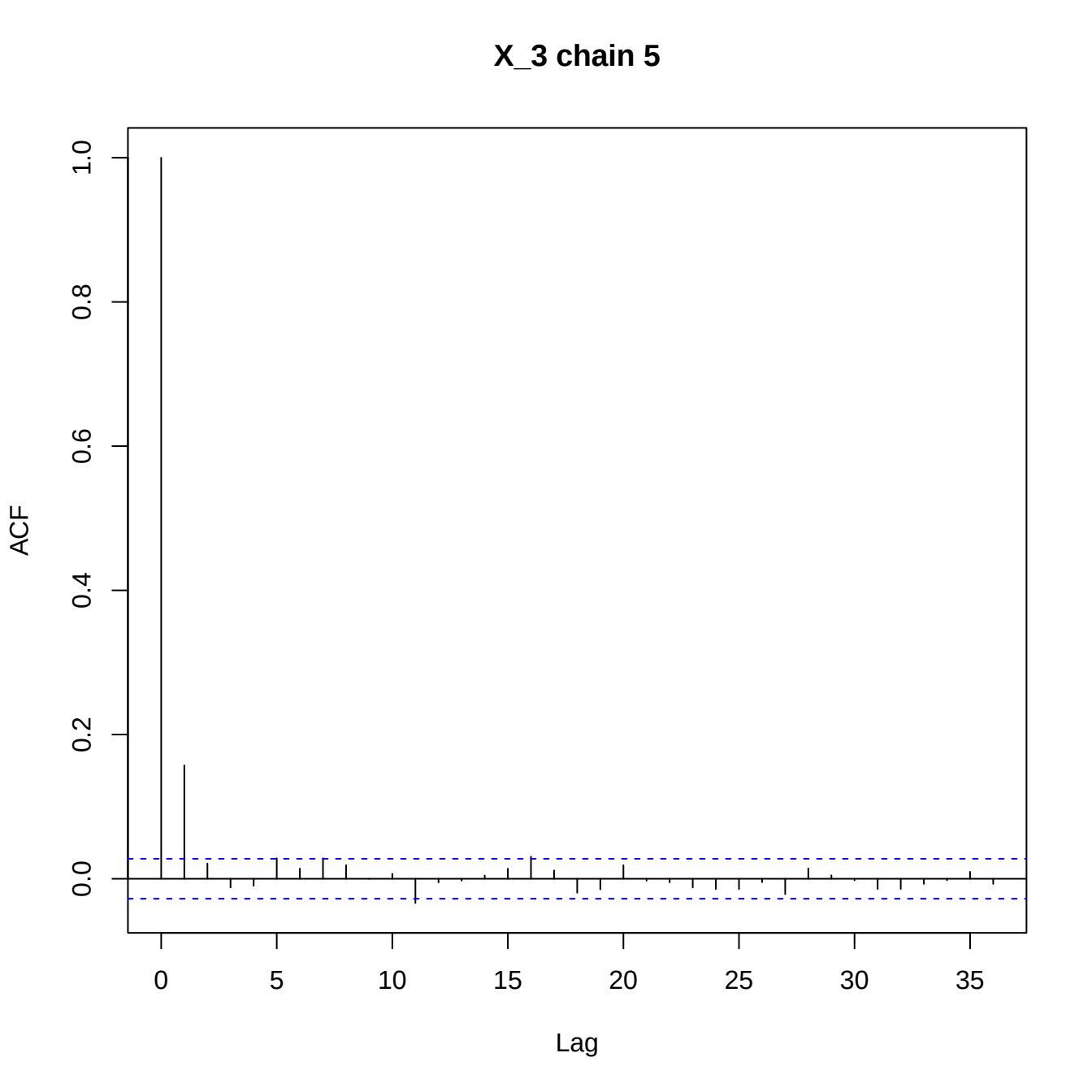
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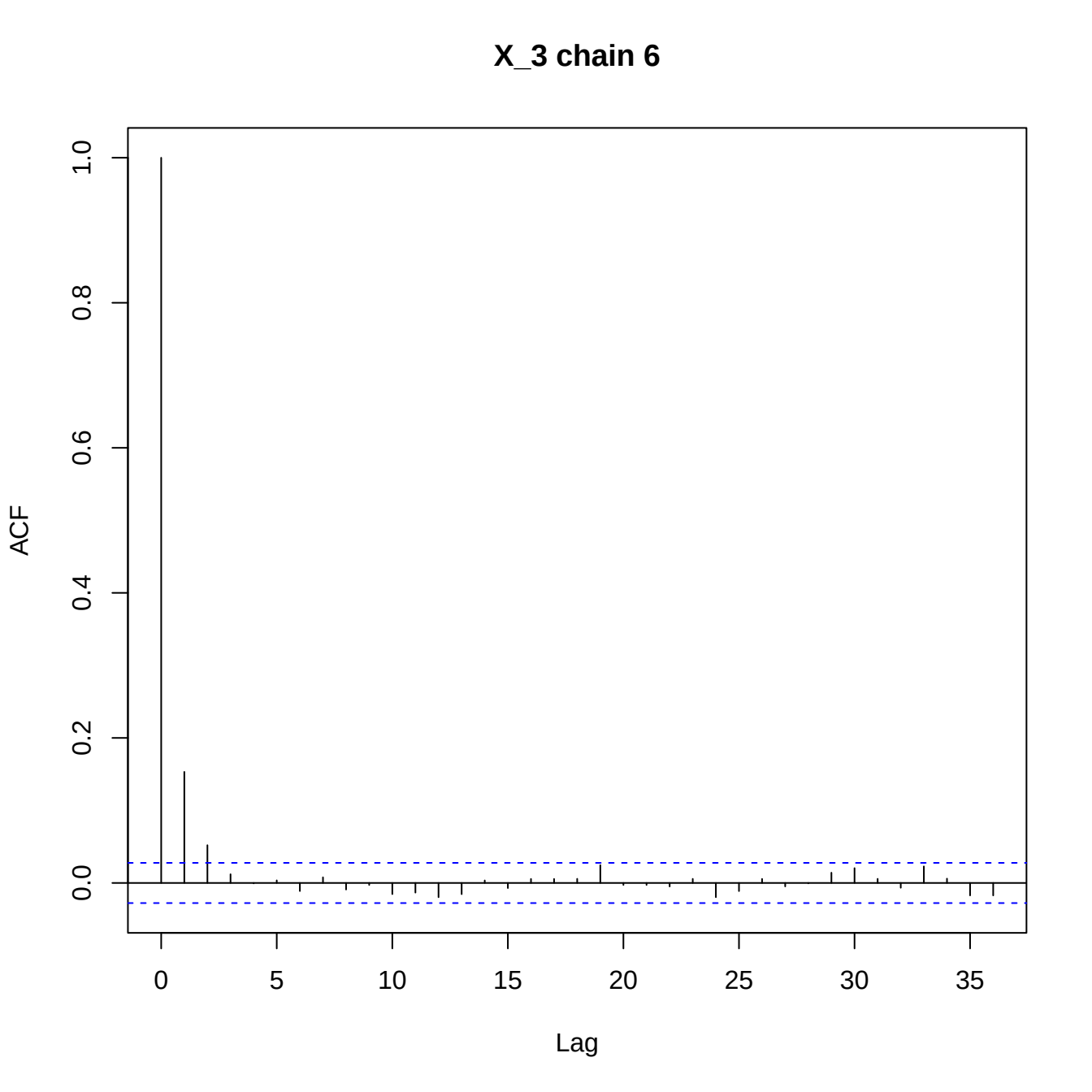
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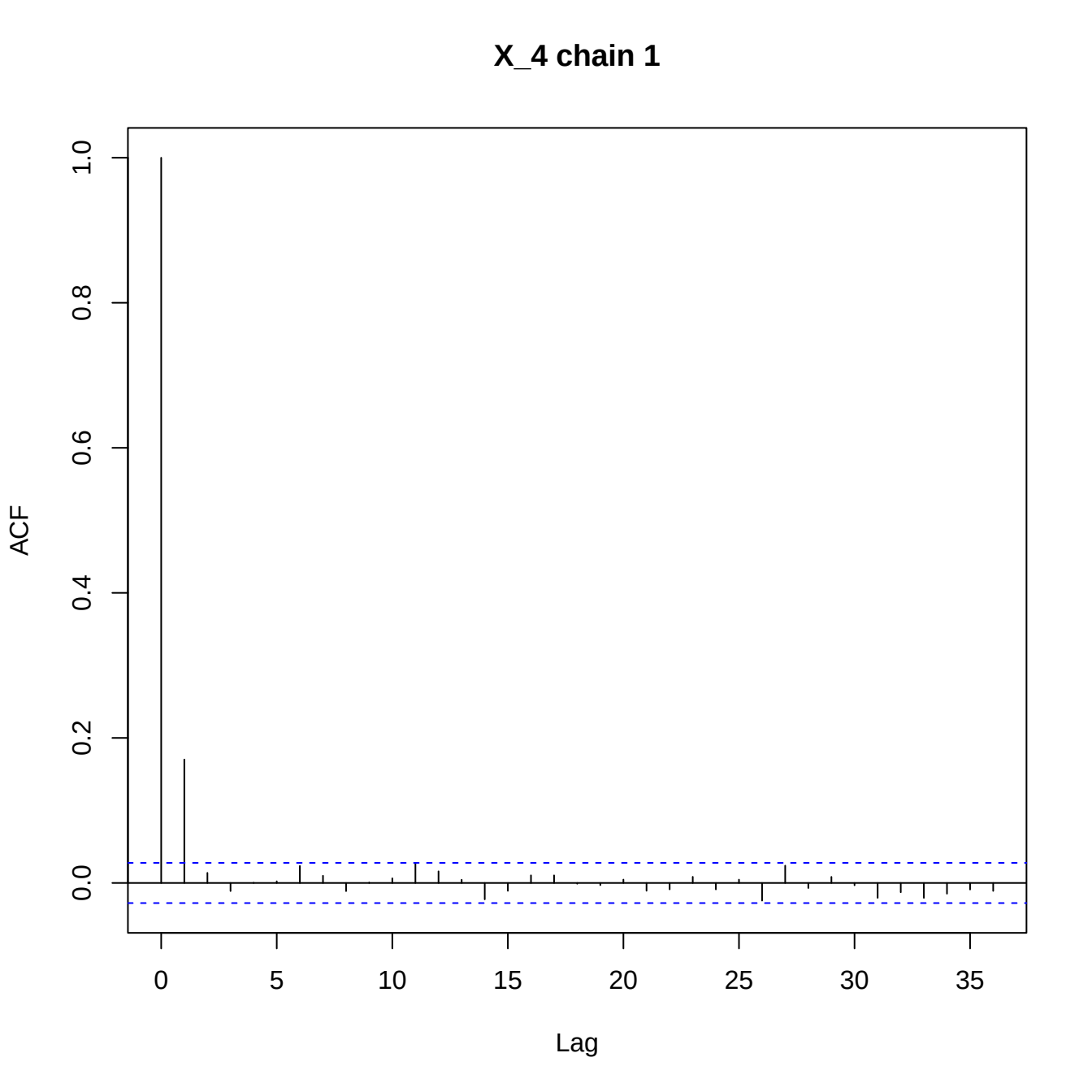
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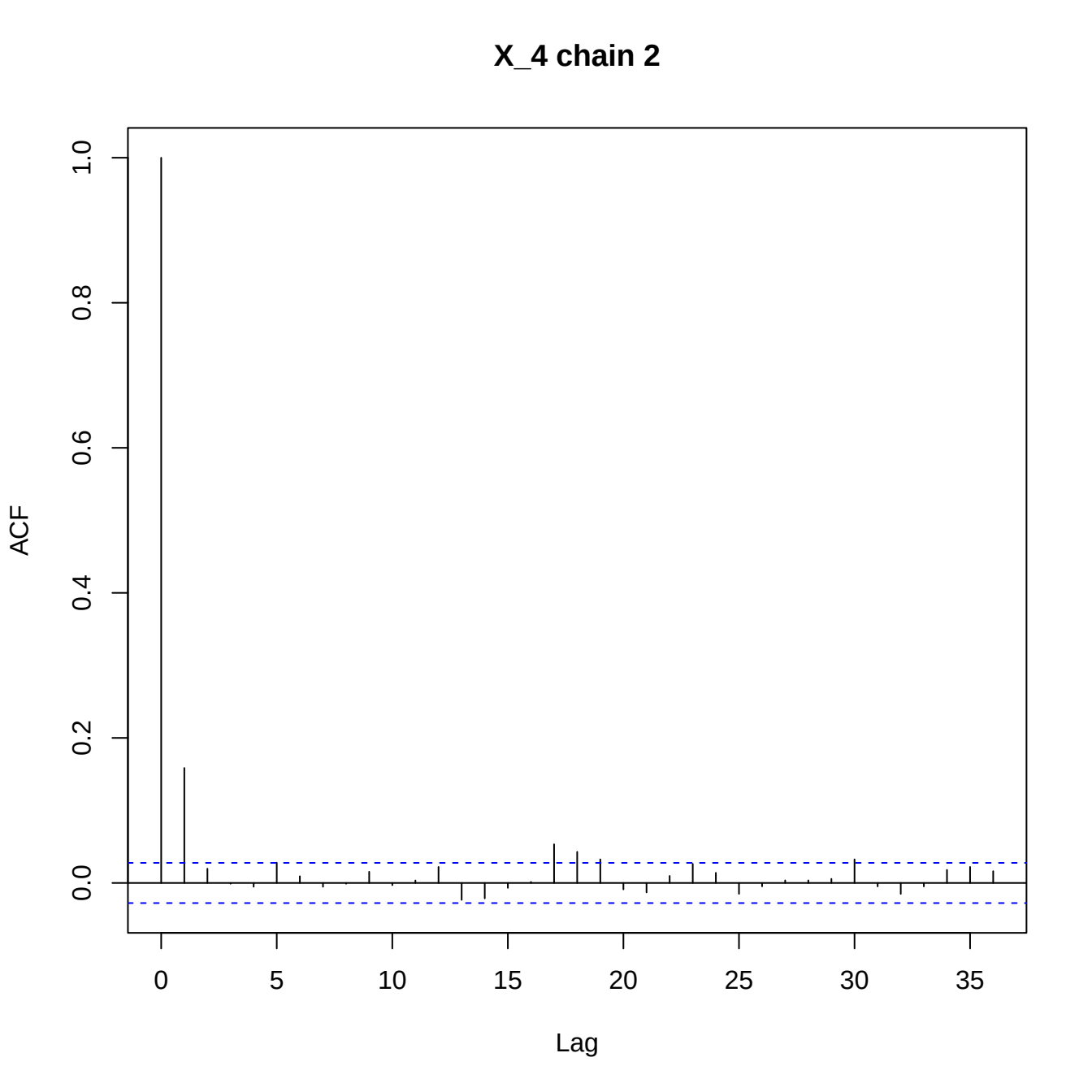
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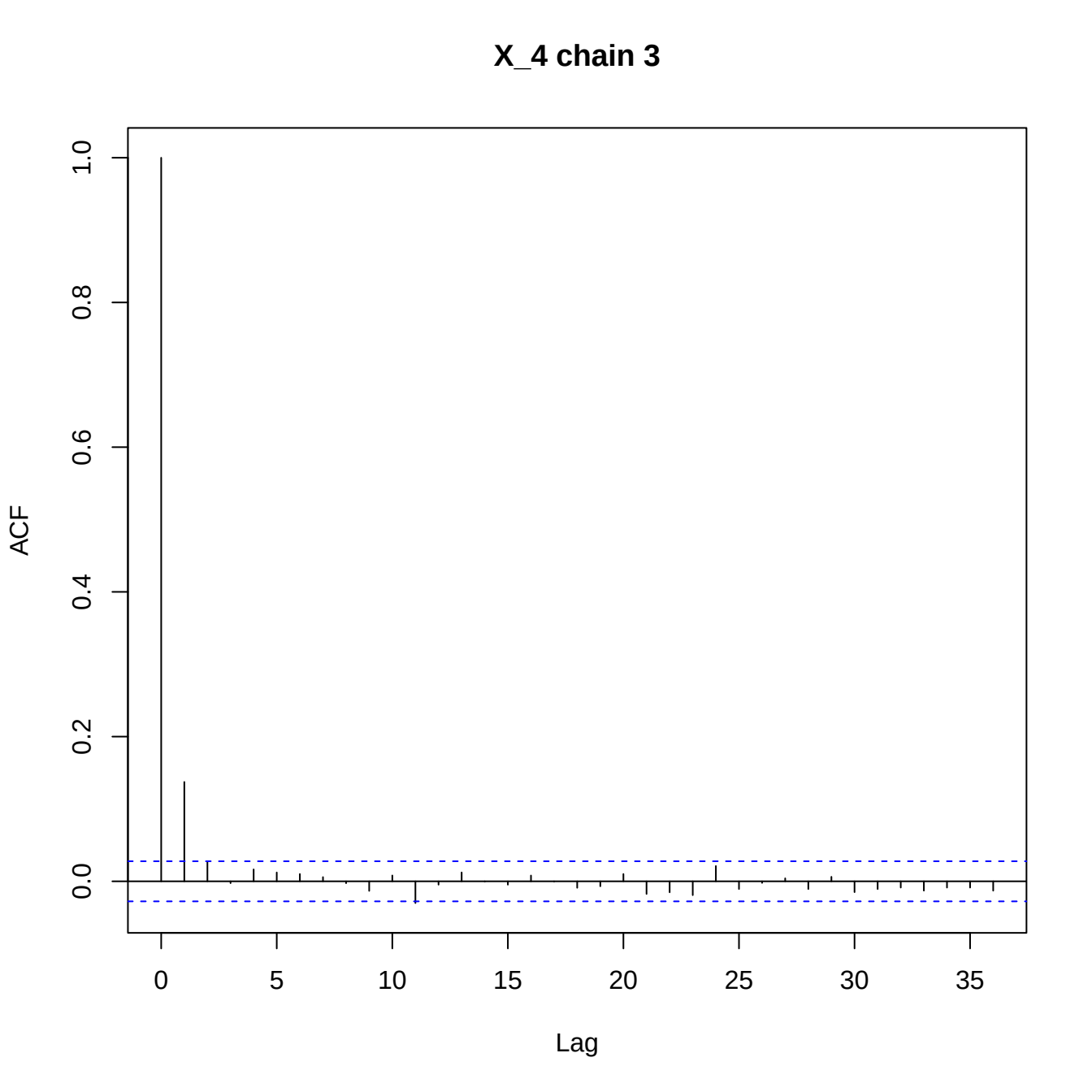
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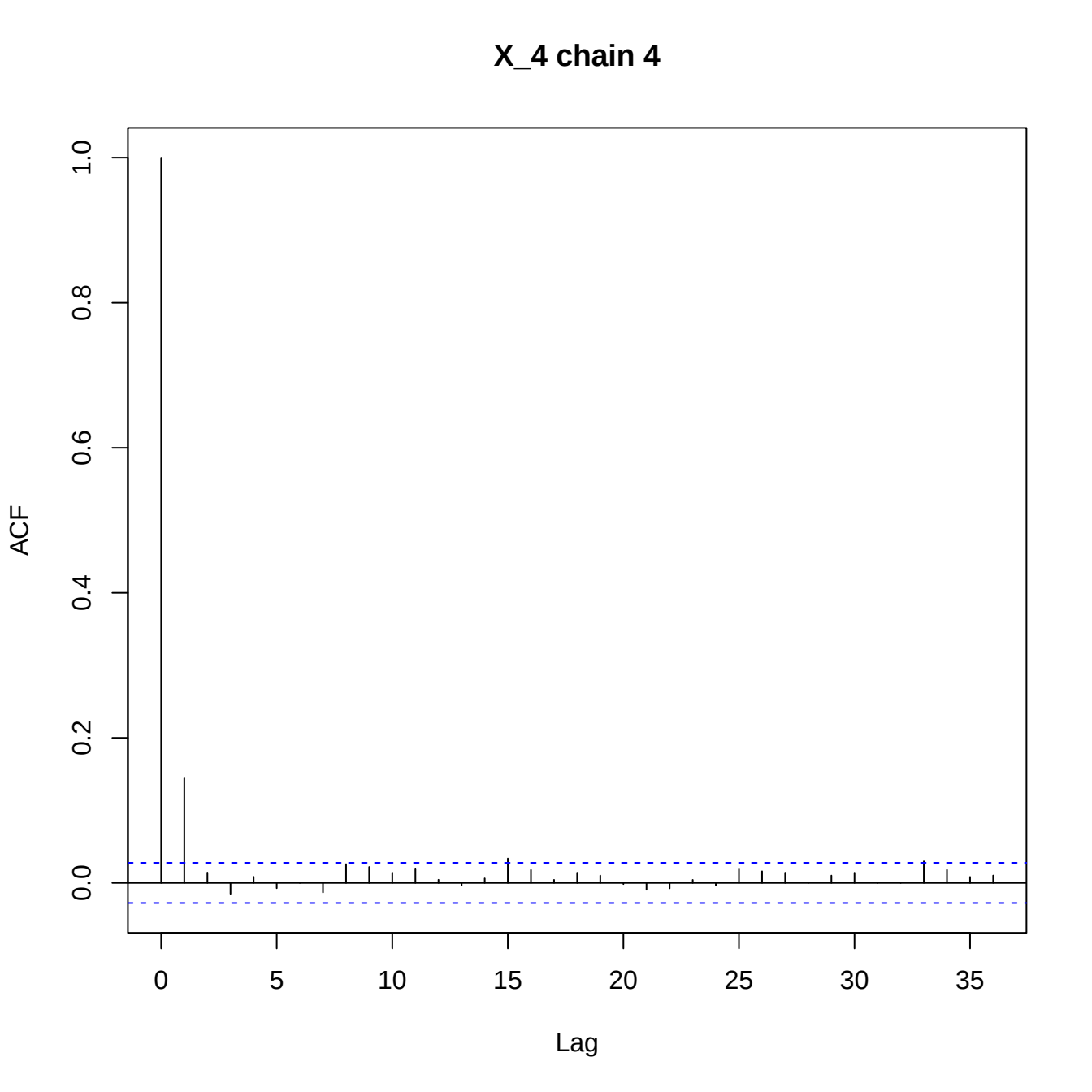
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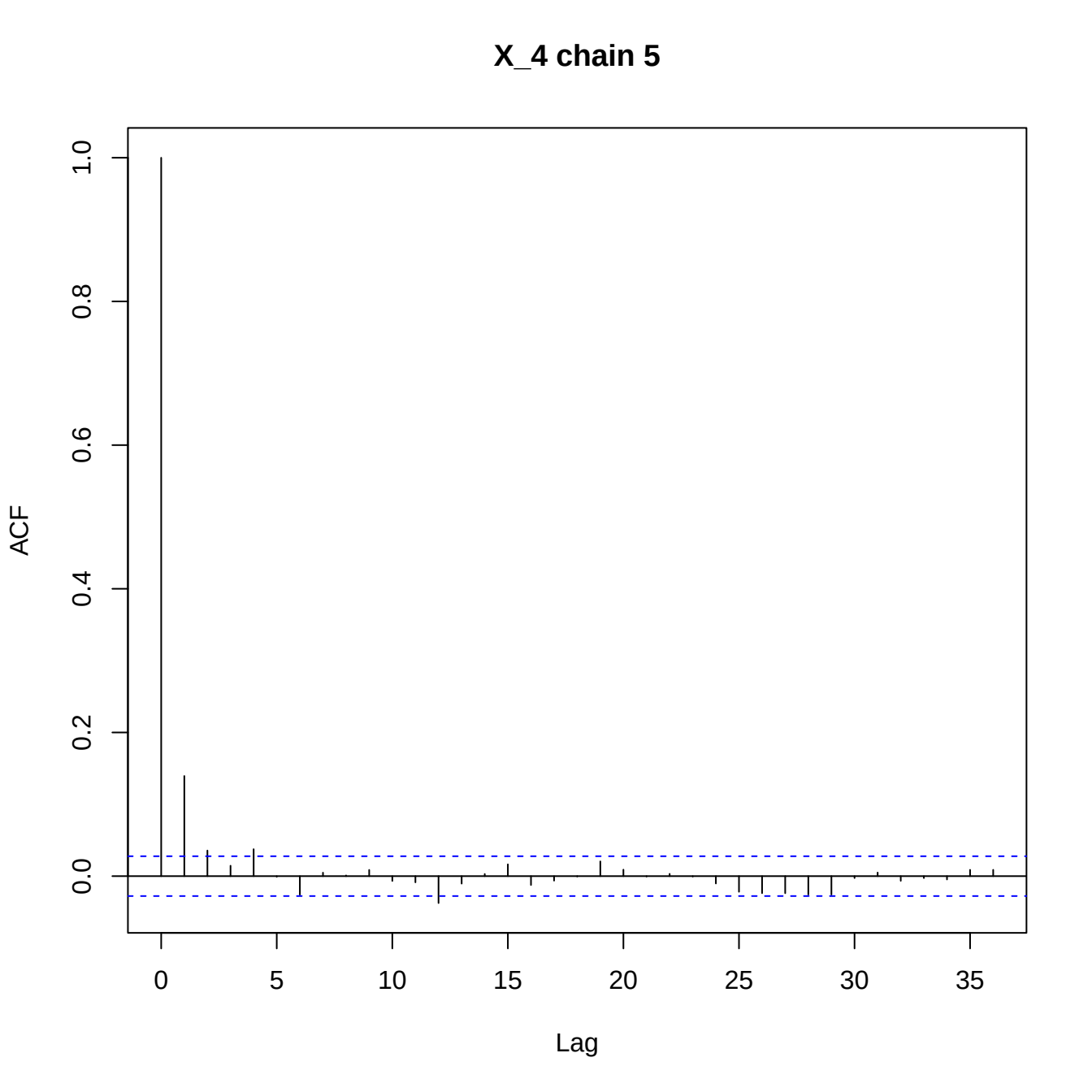
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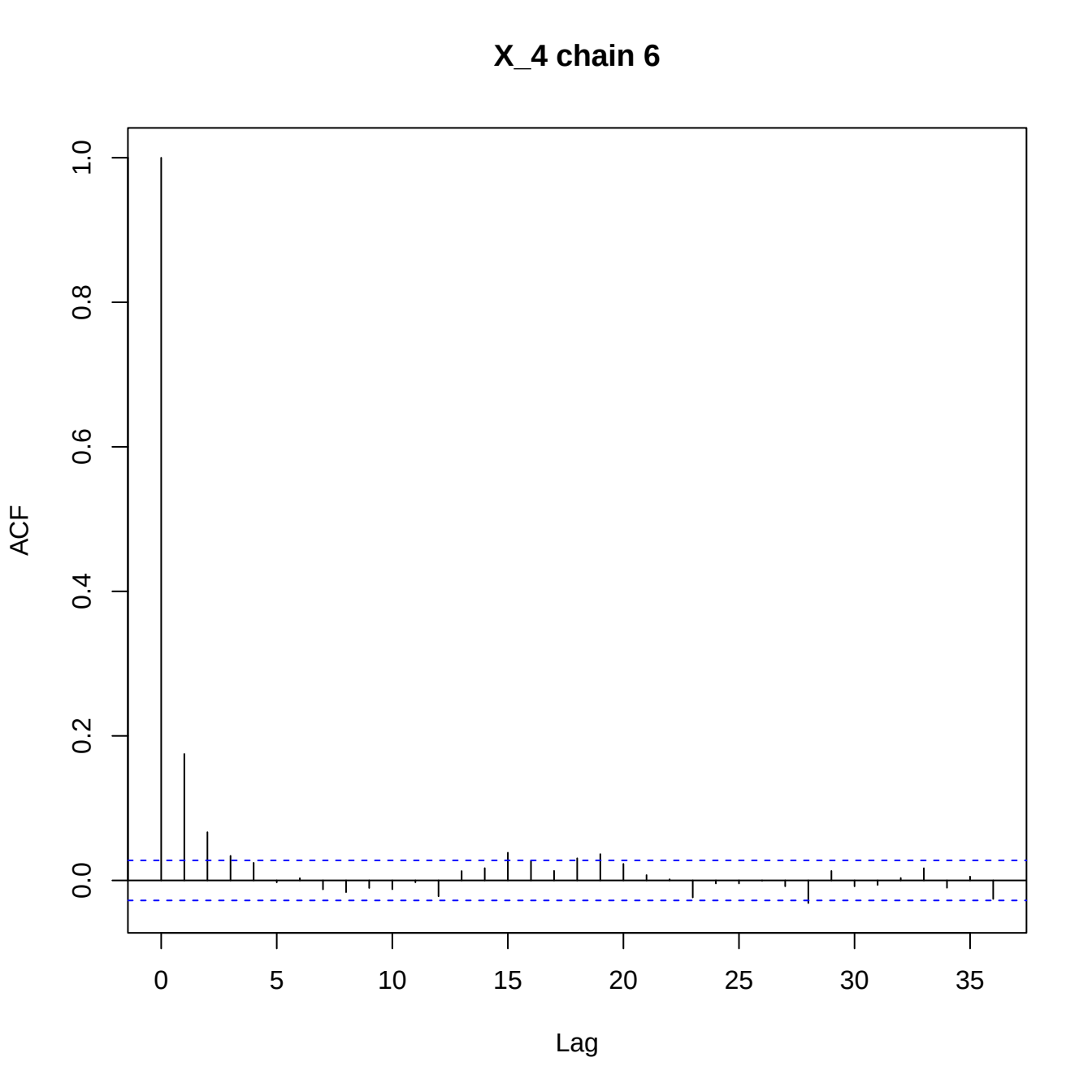
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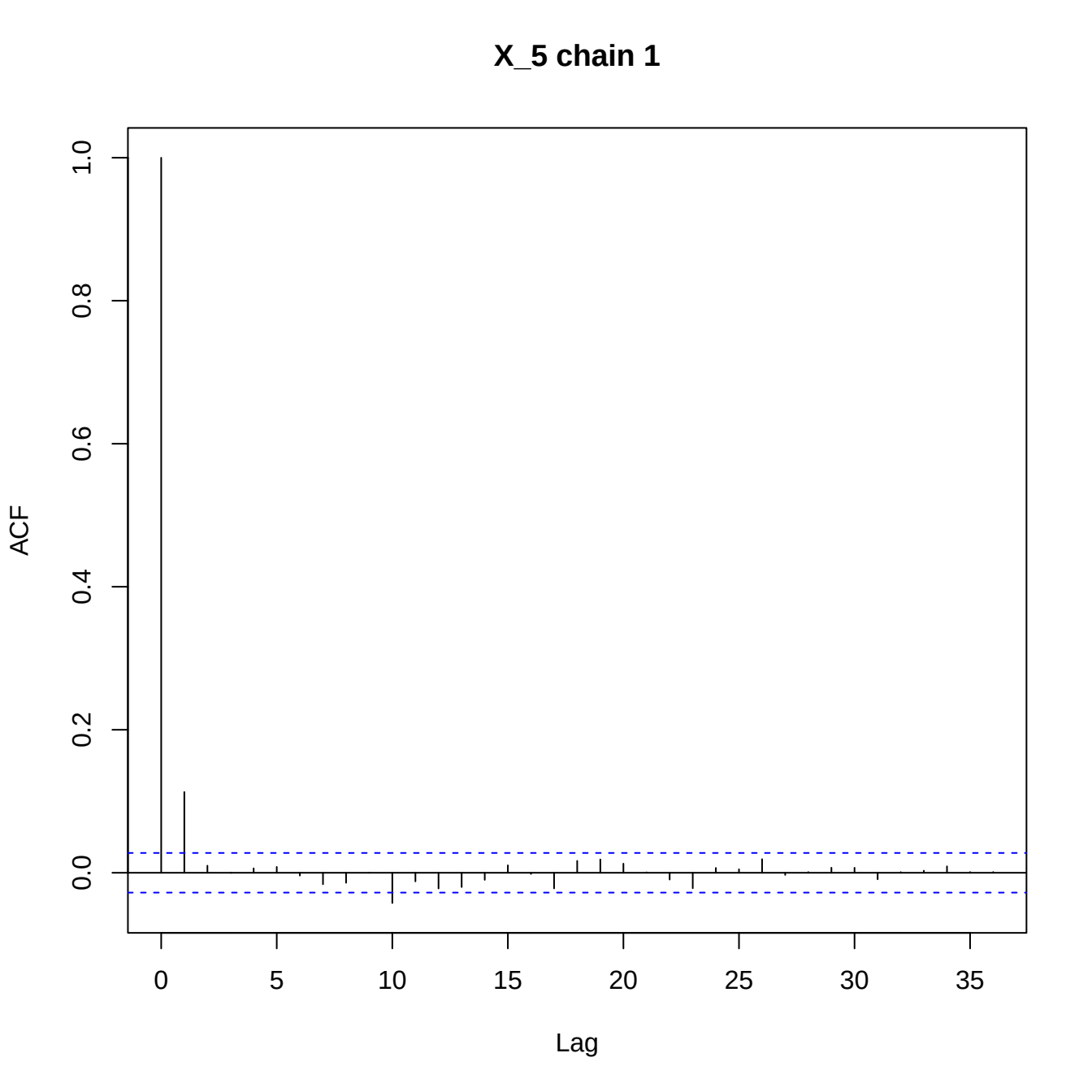
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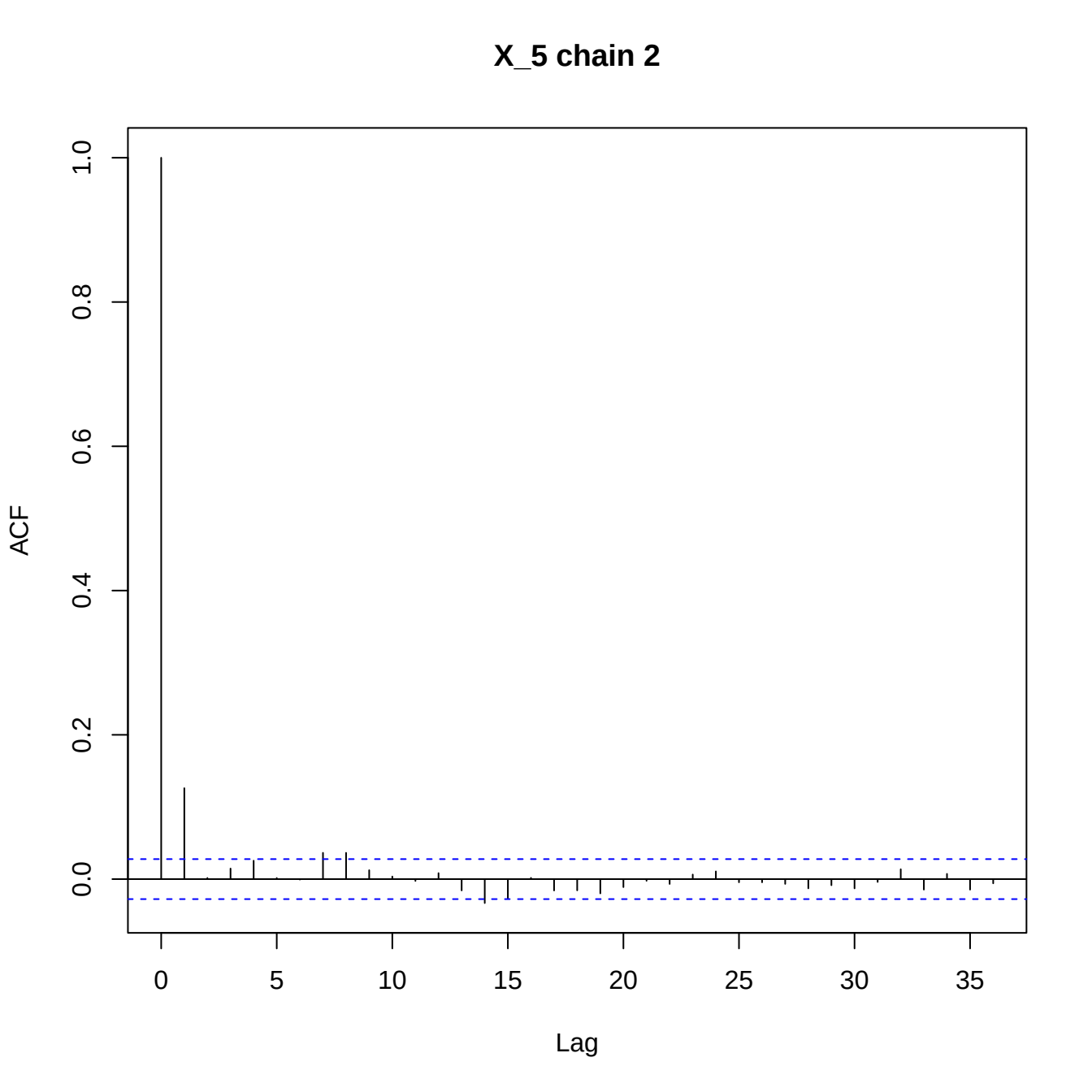
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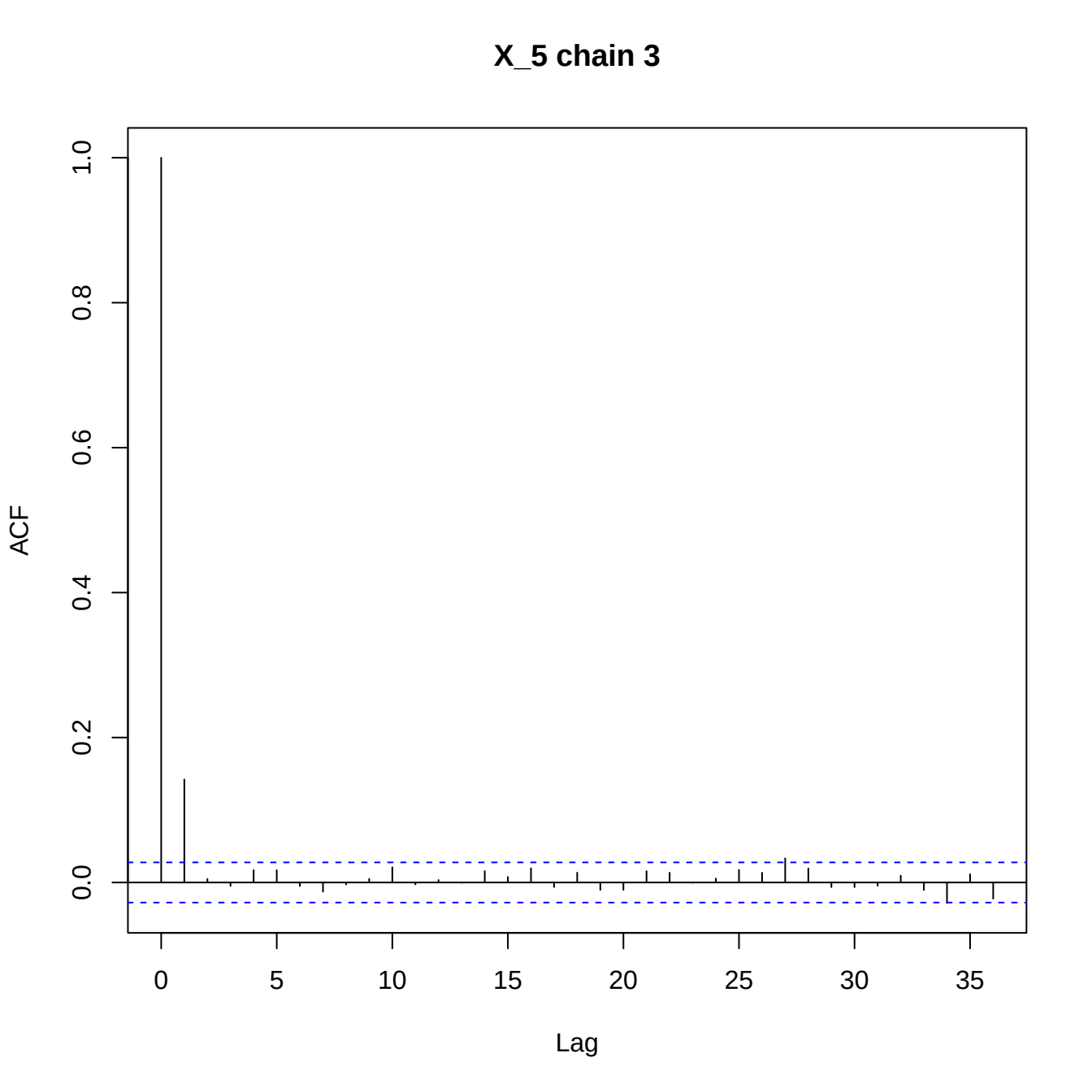
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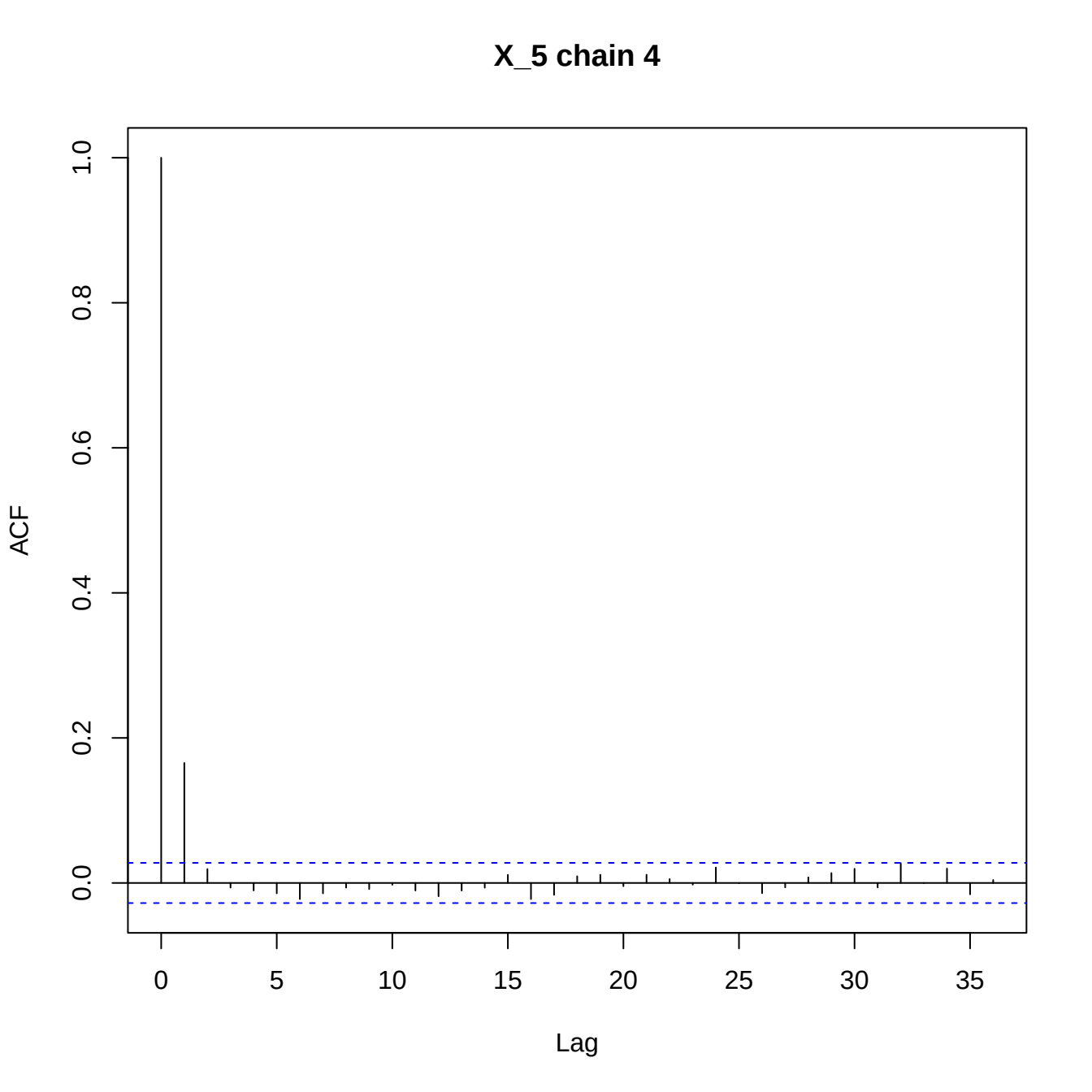
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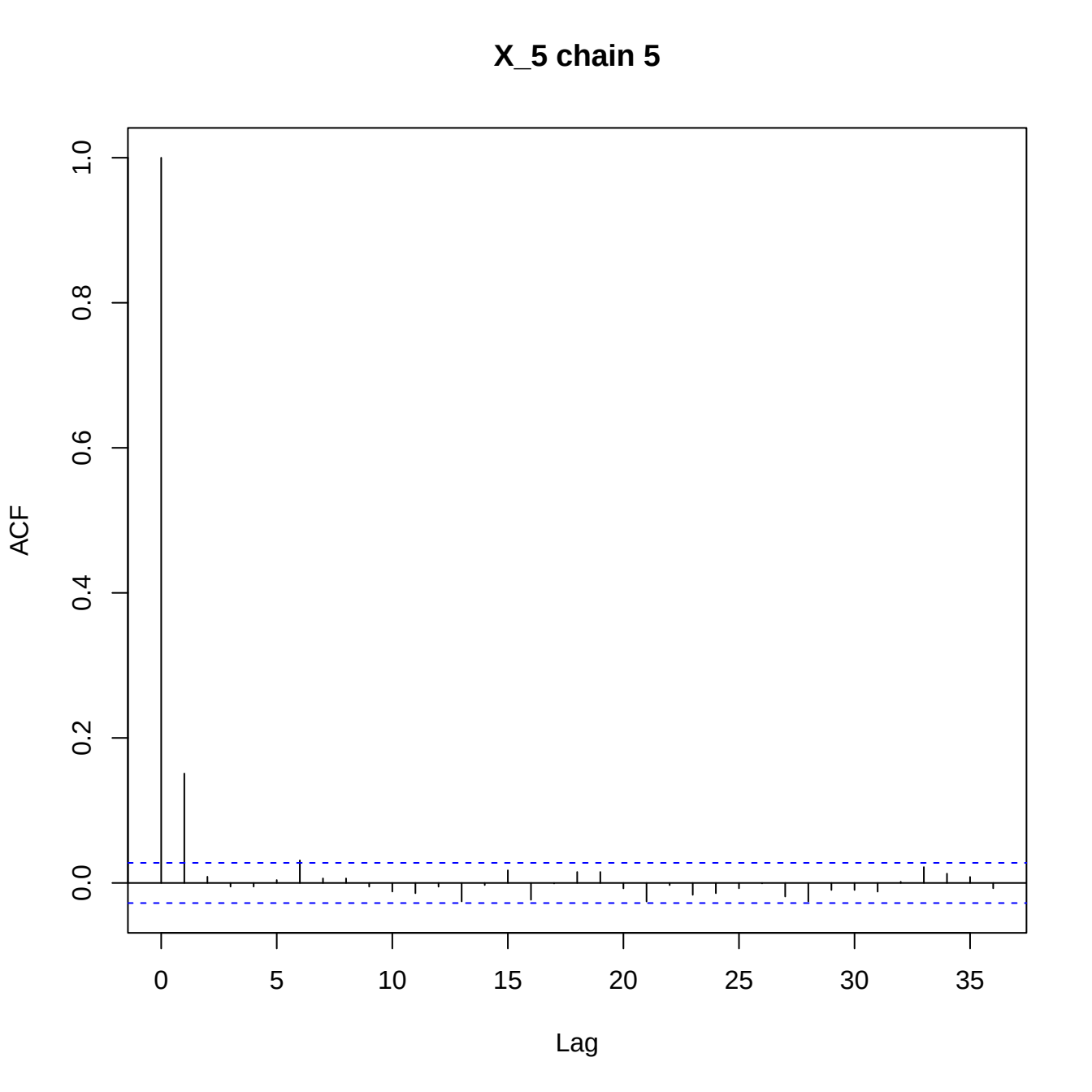
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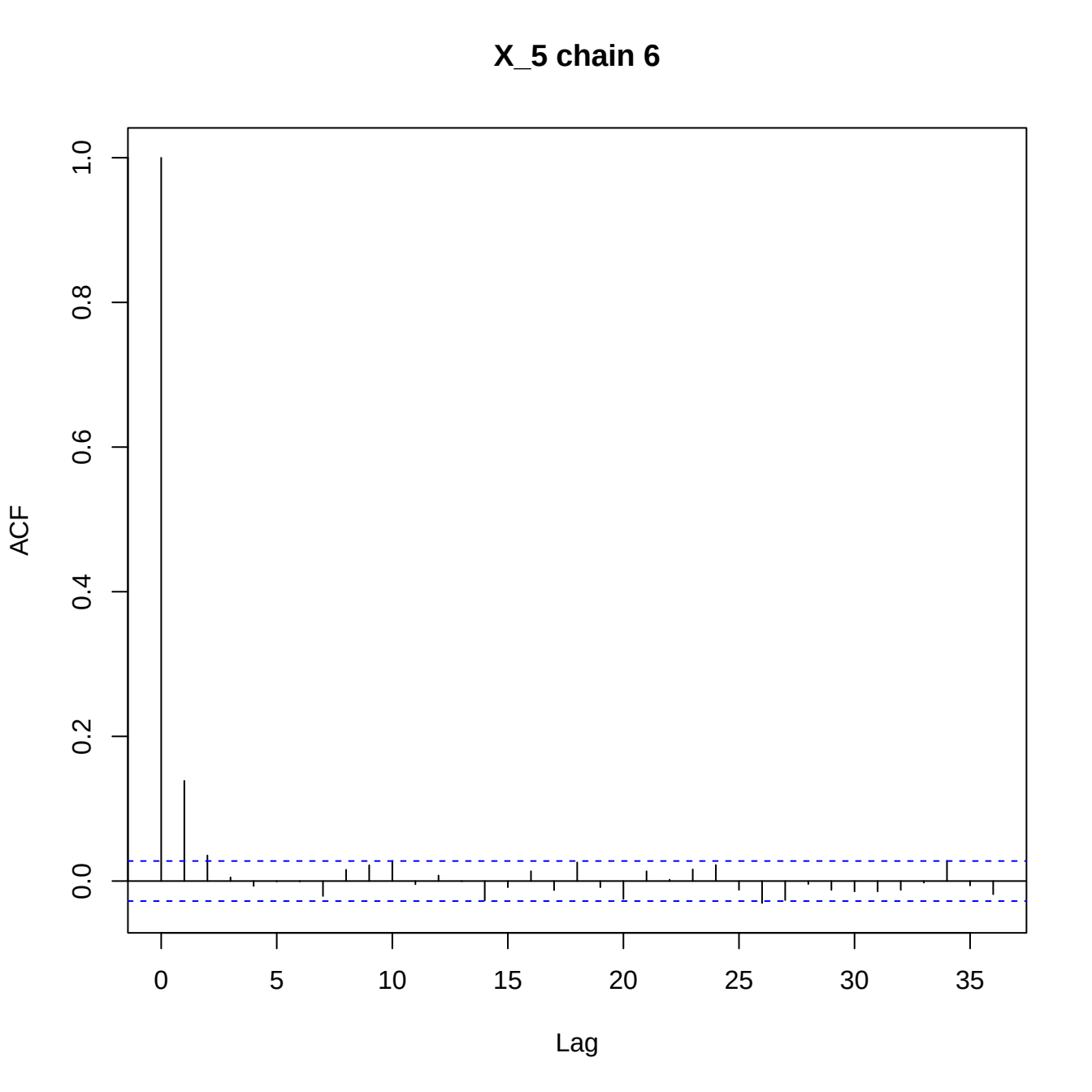
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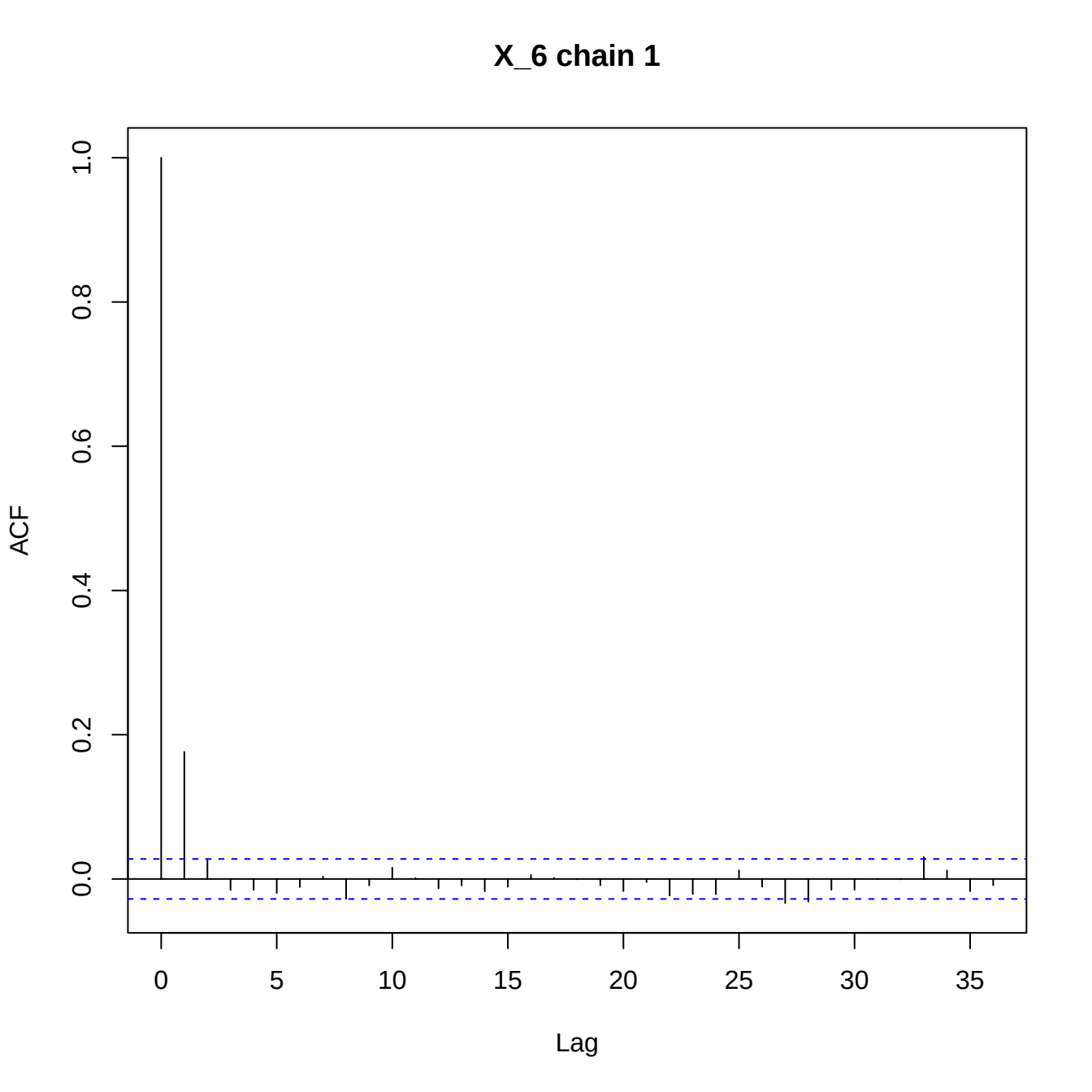
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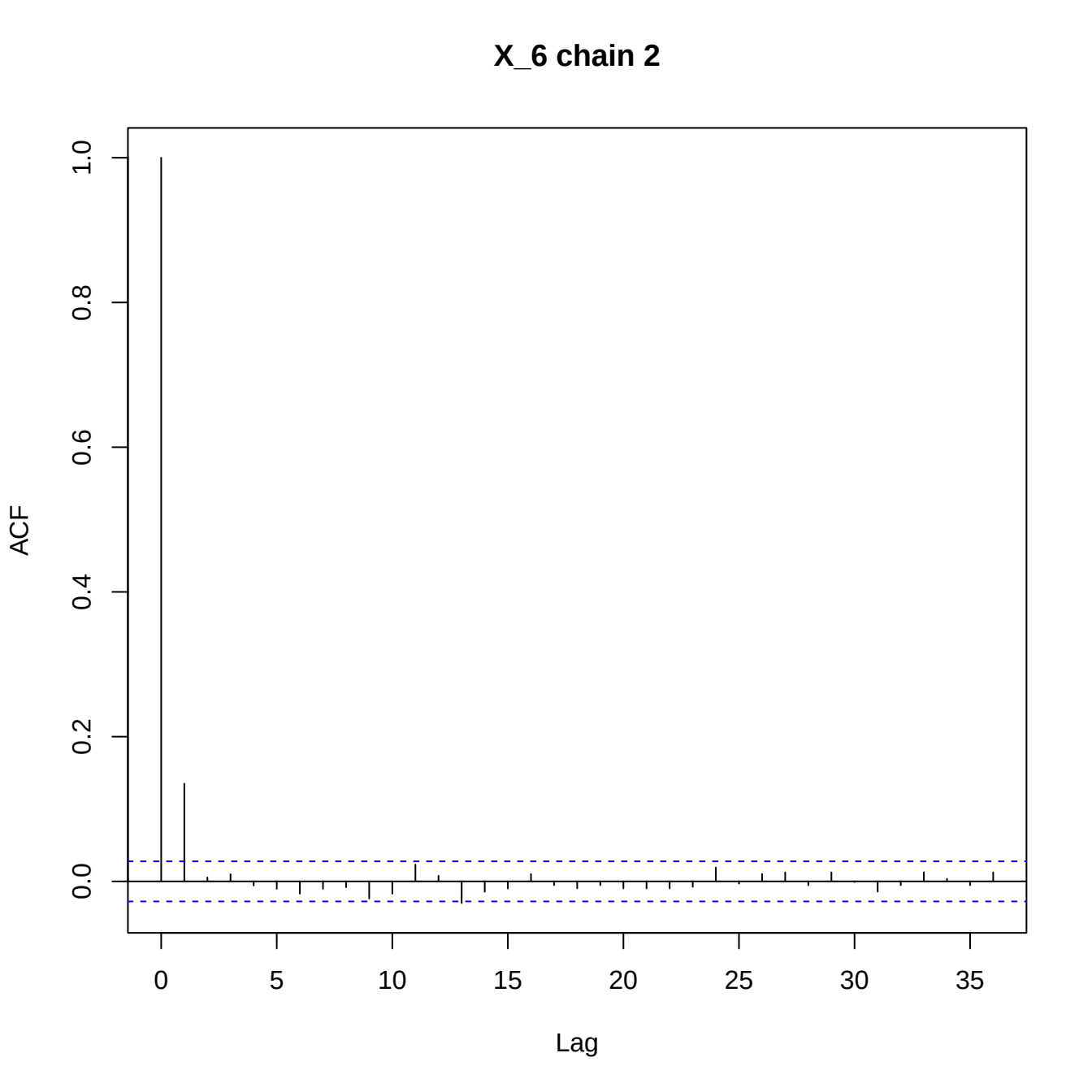
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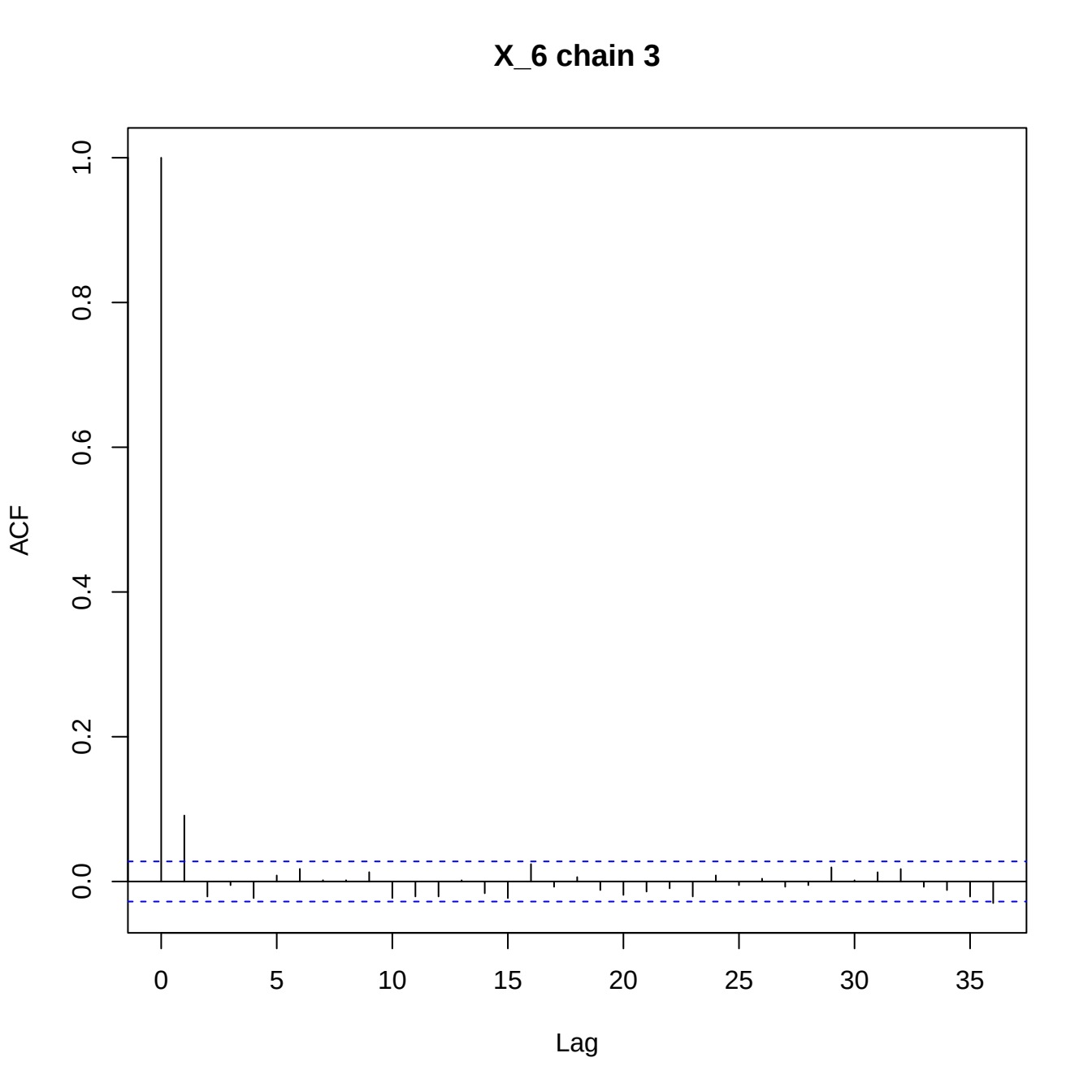
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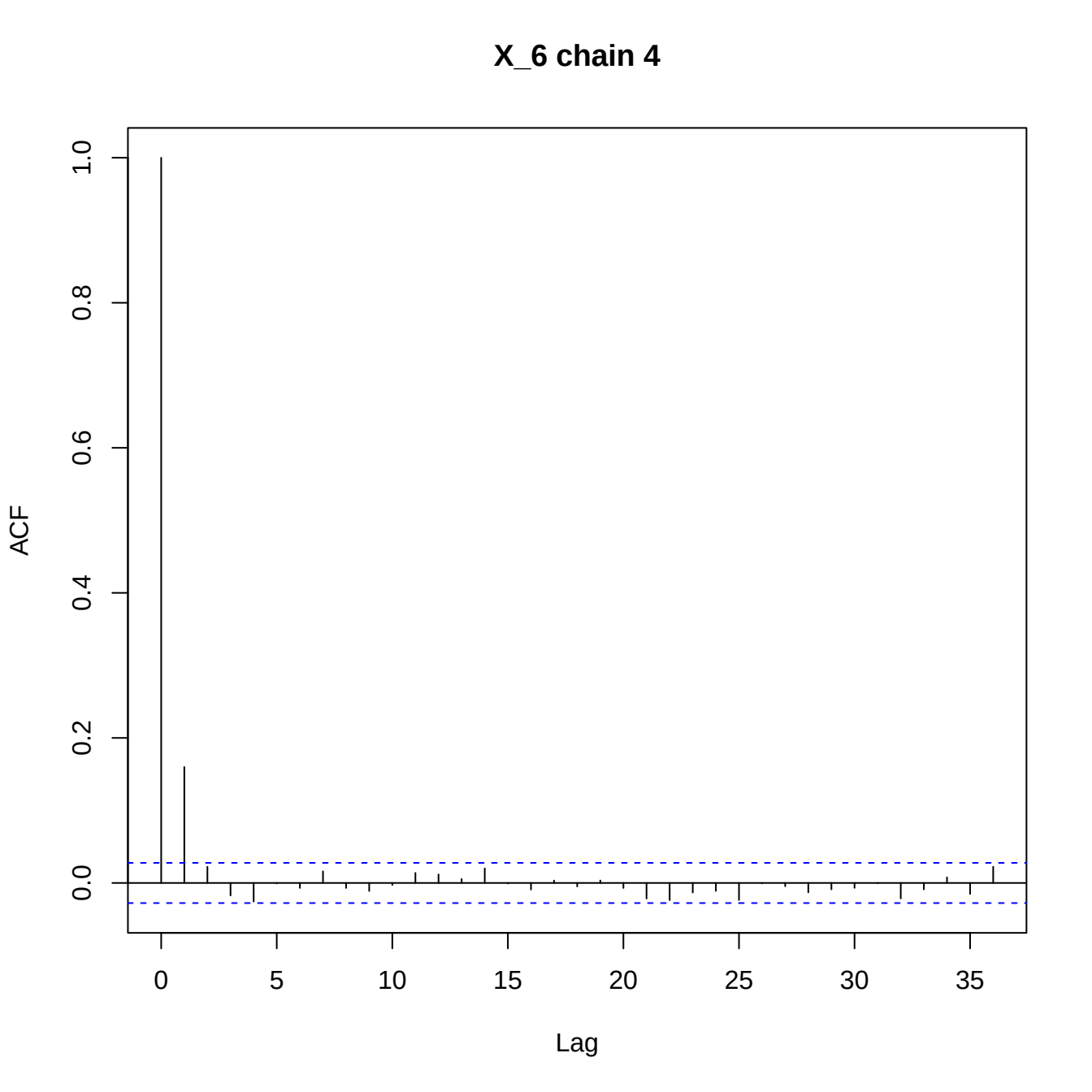
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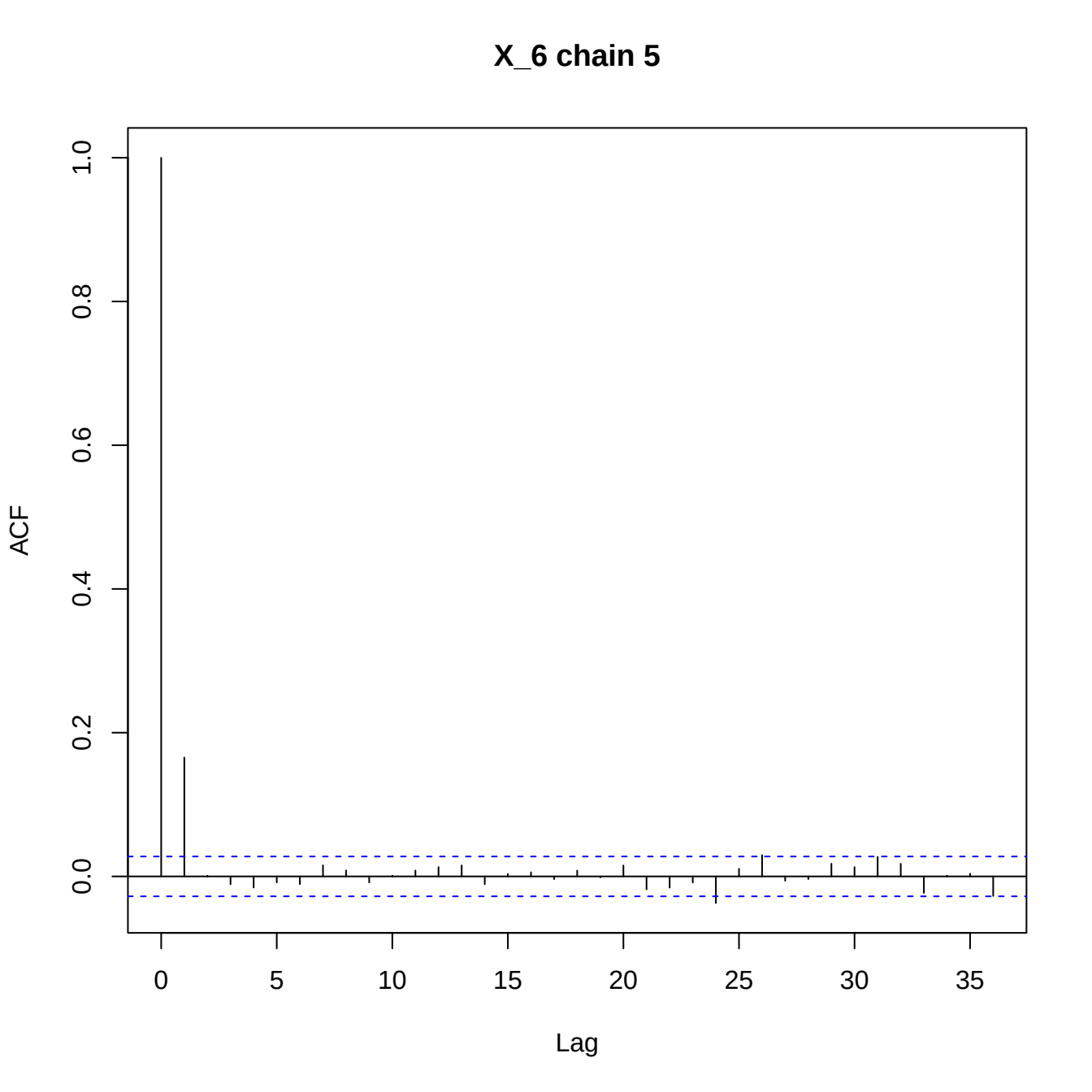
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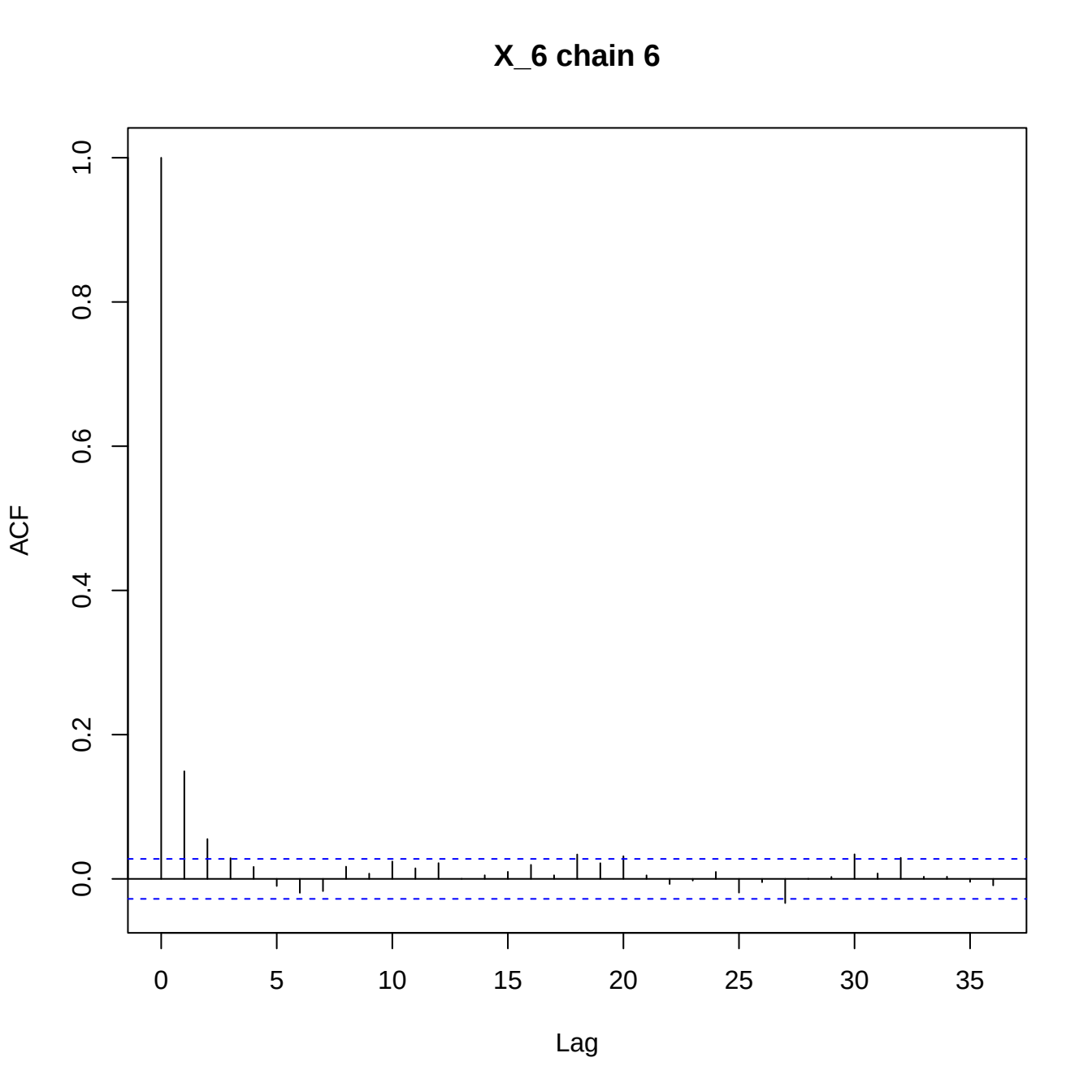
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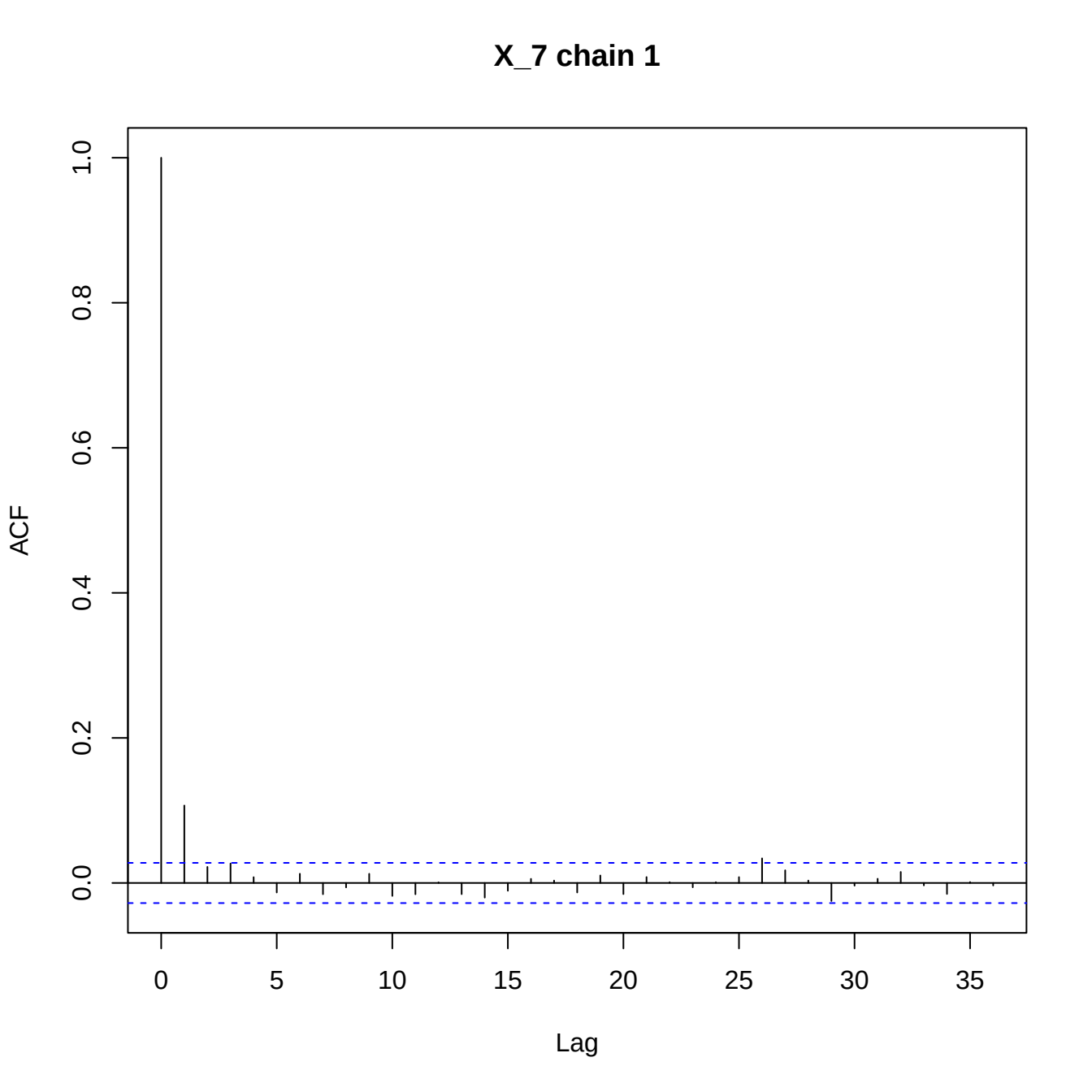
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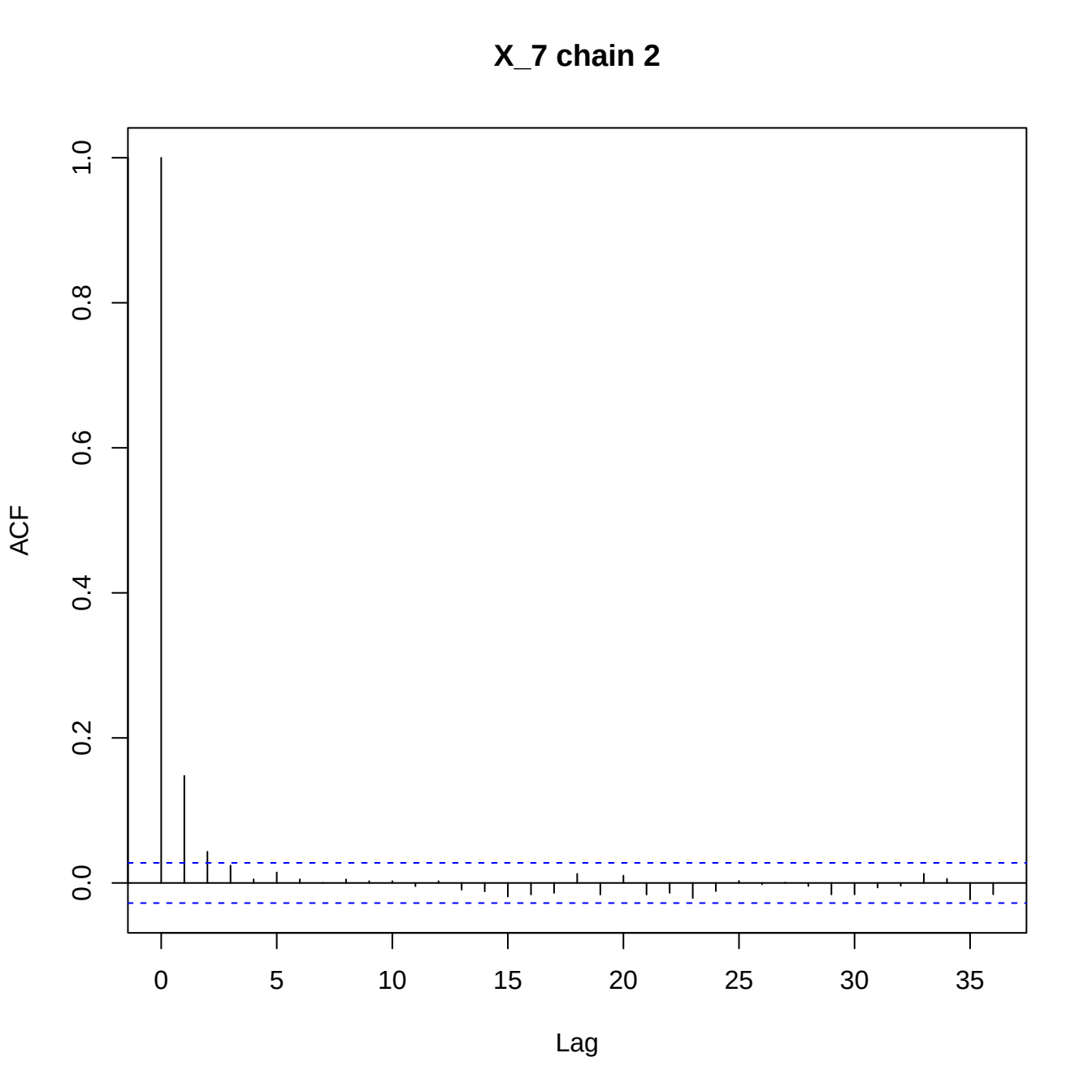
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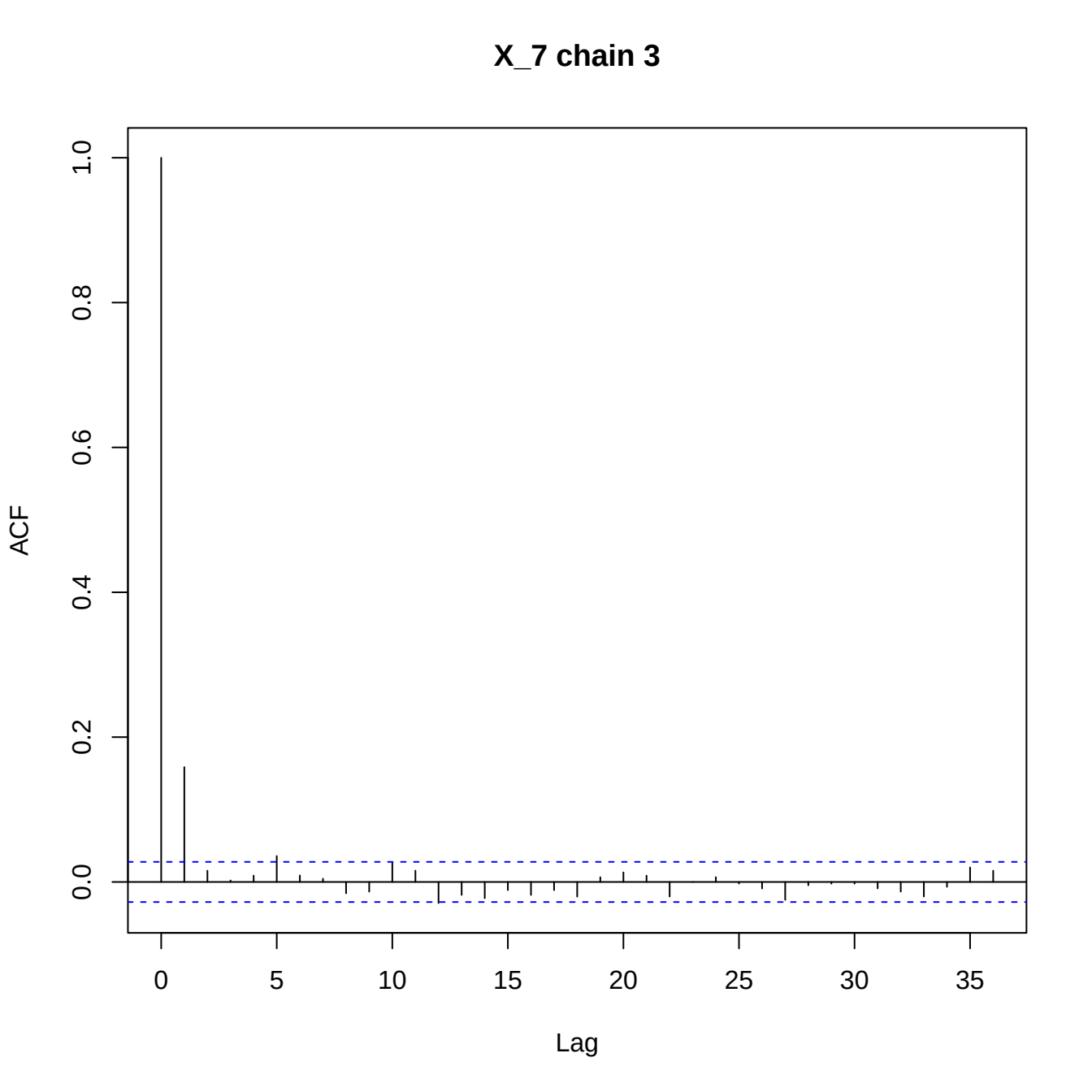
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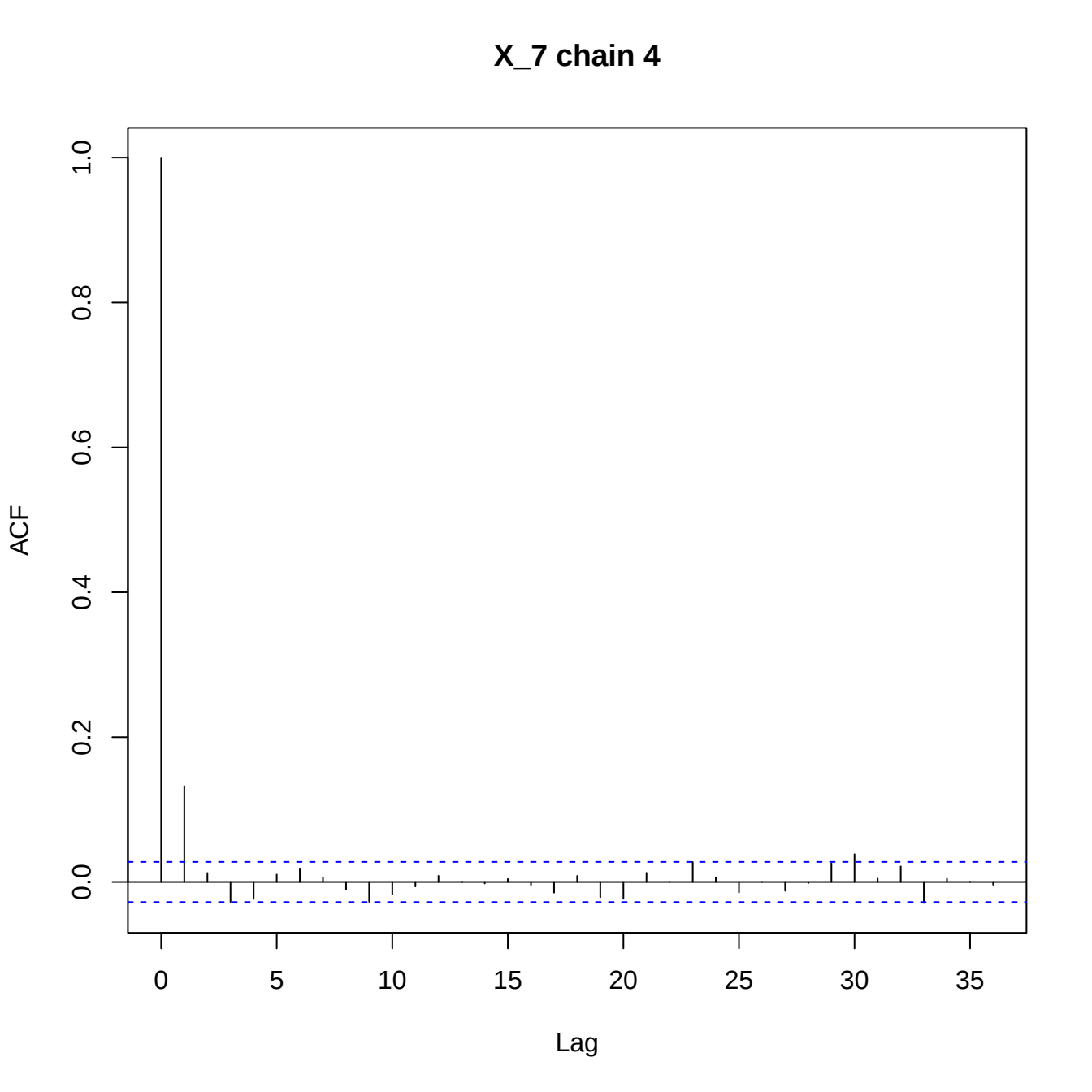
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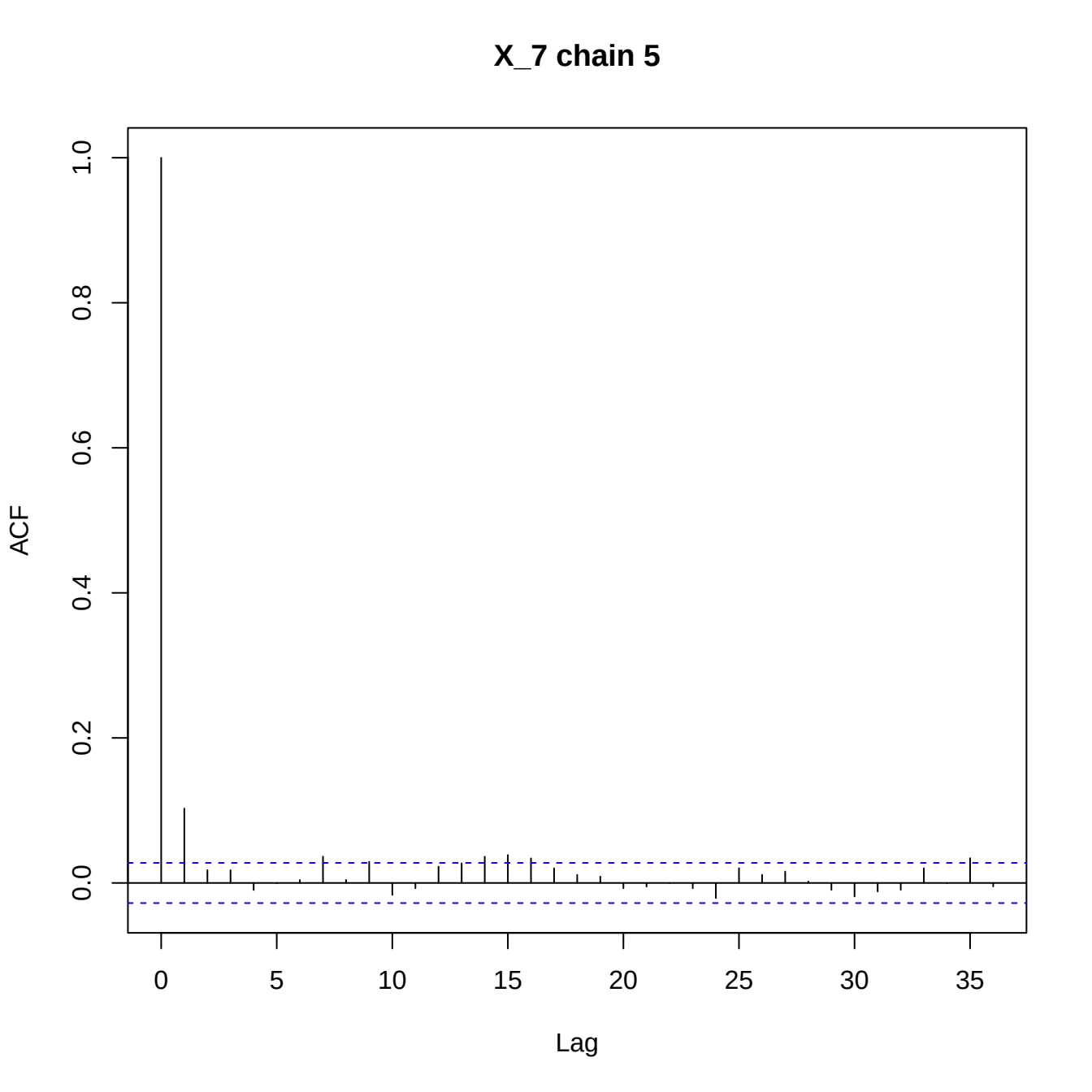
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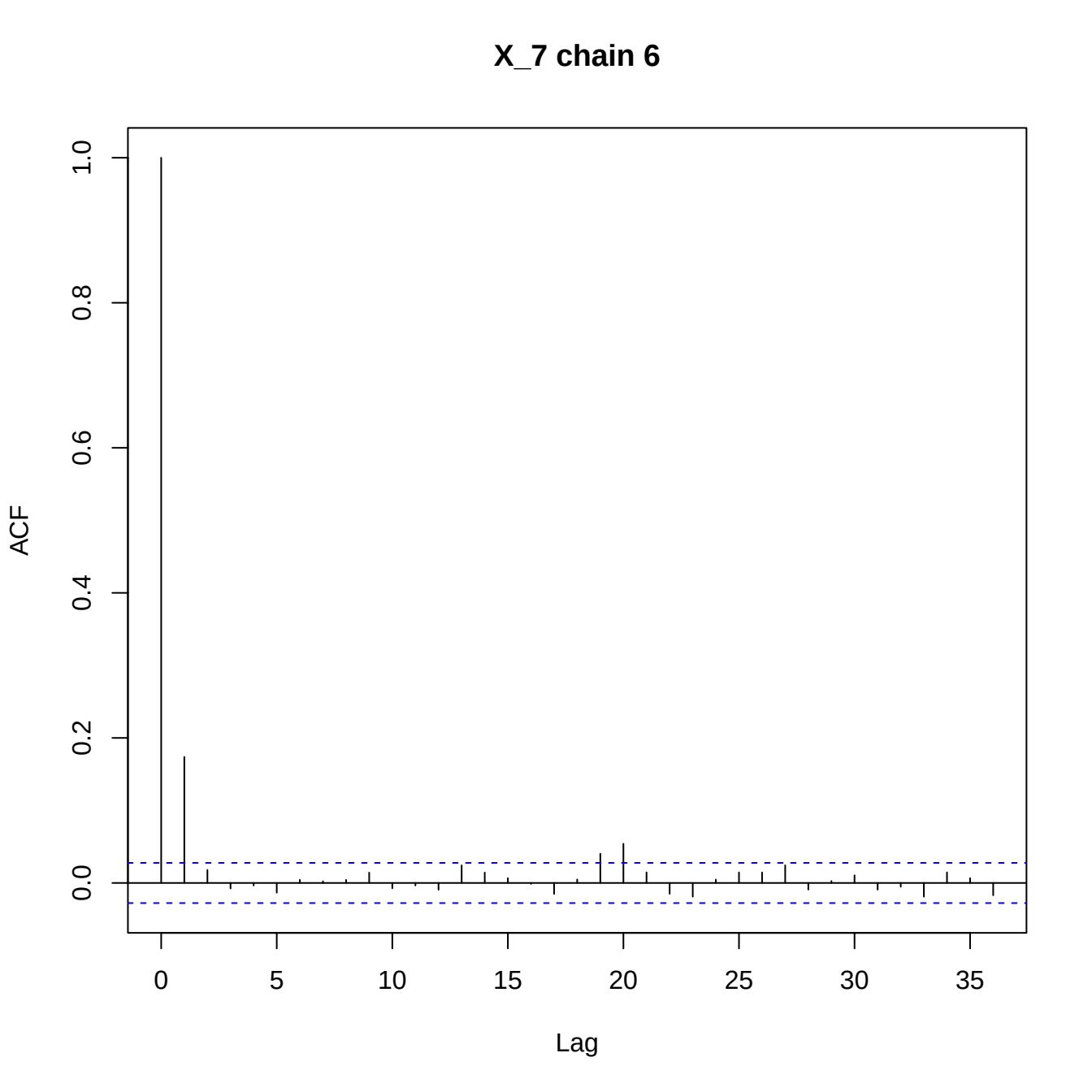
X_7 chain 6
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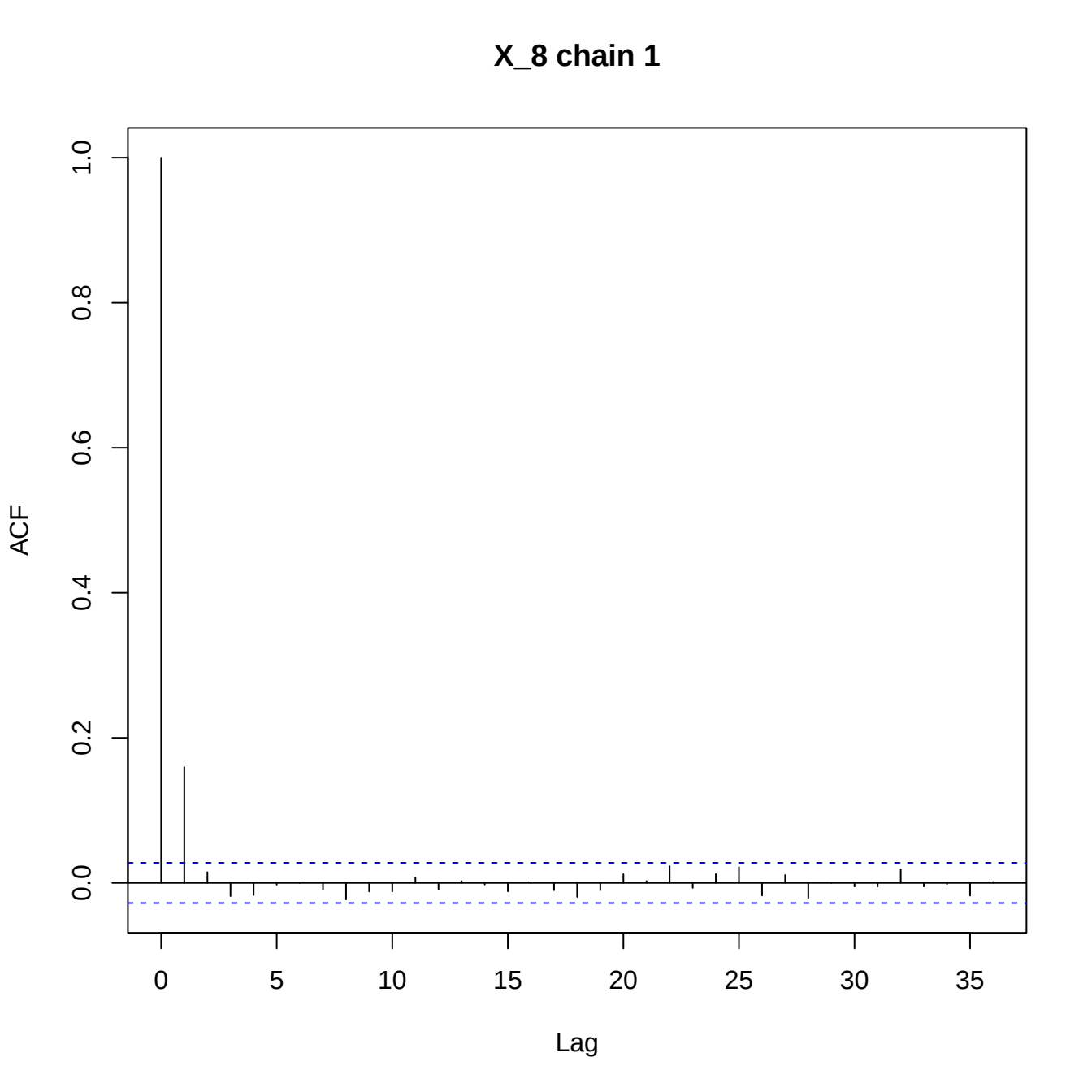
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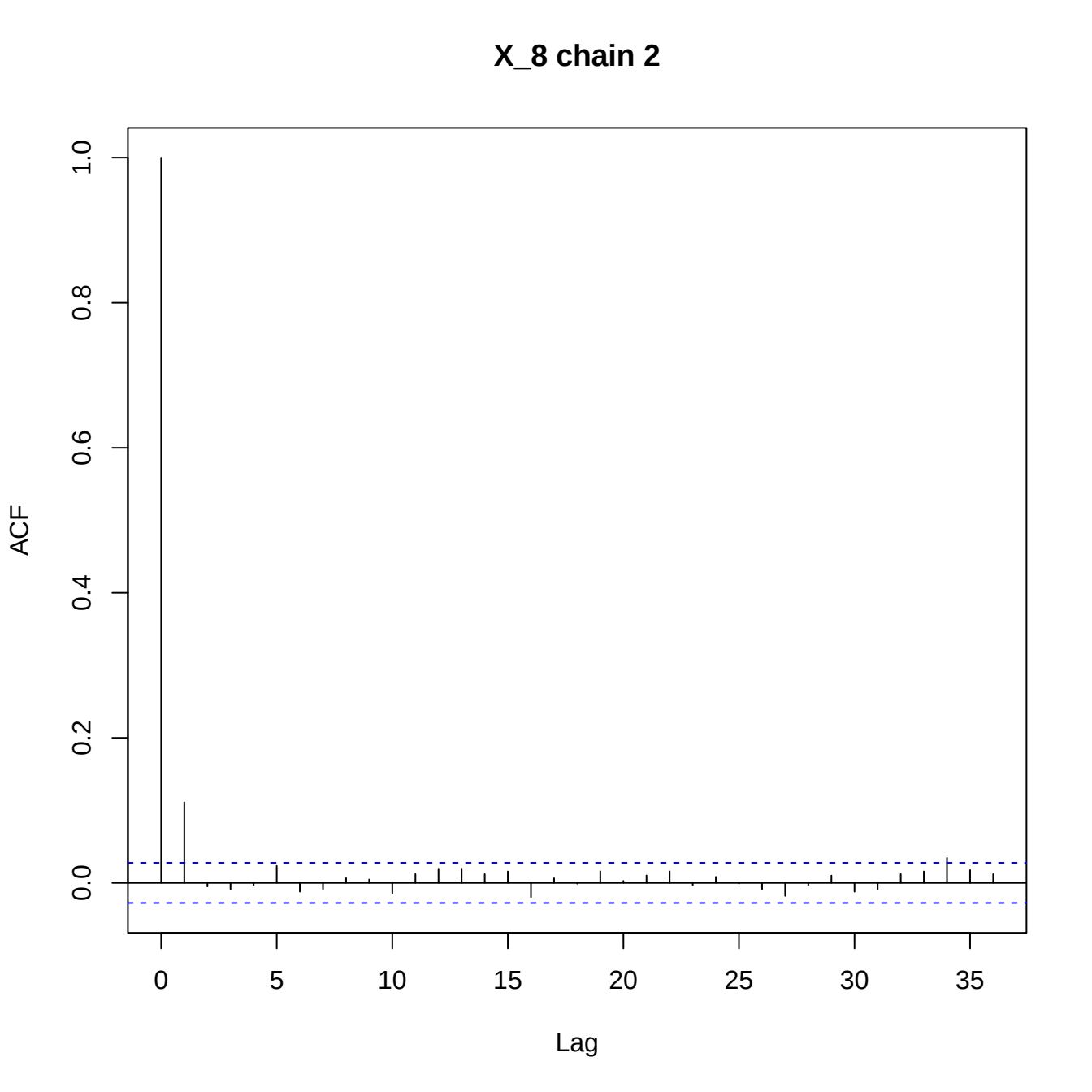
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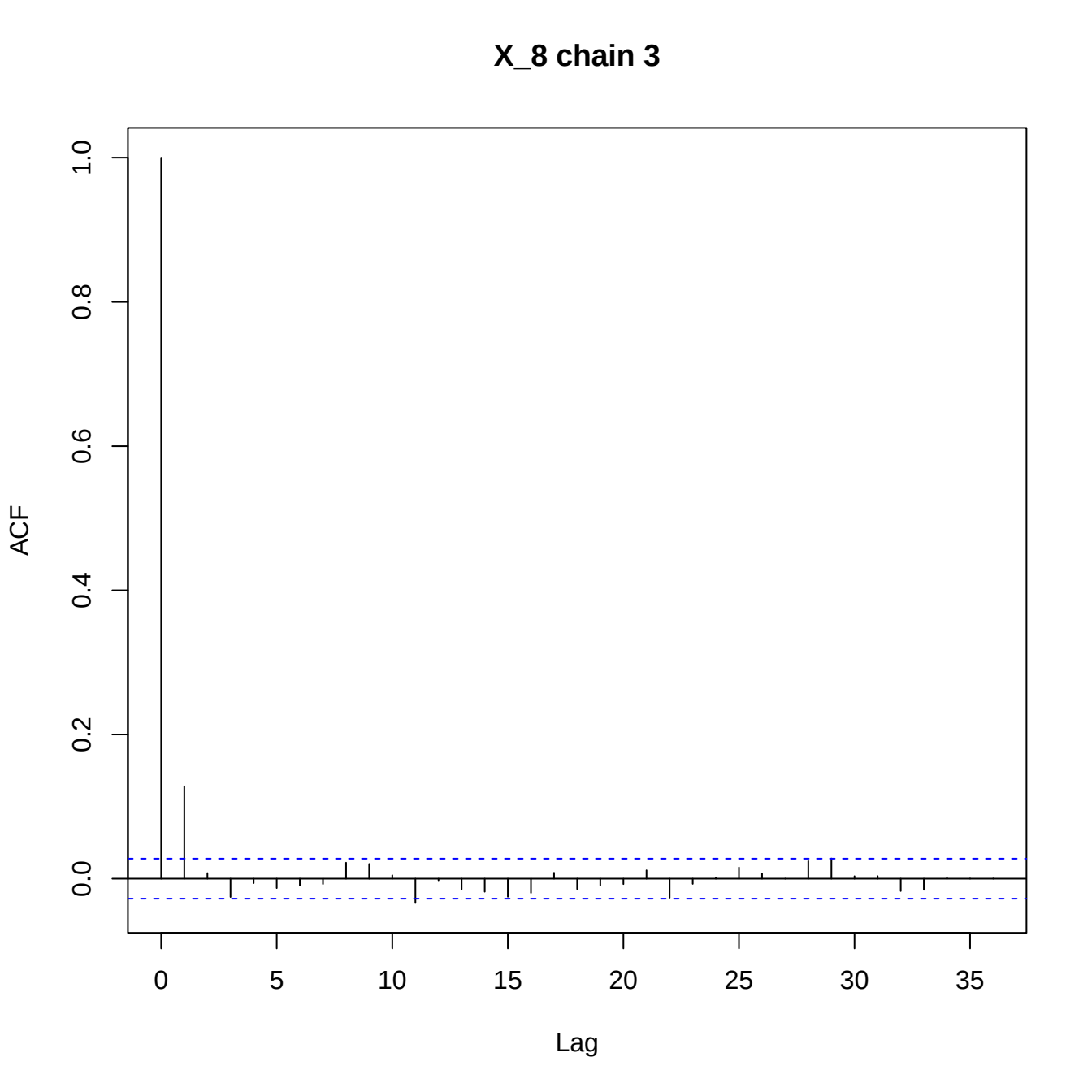
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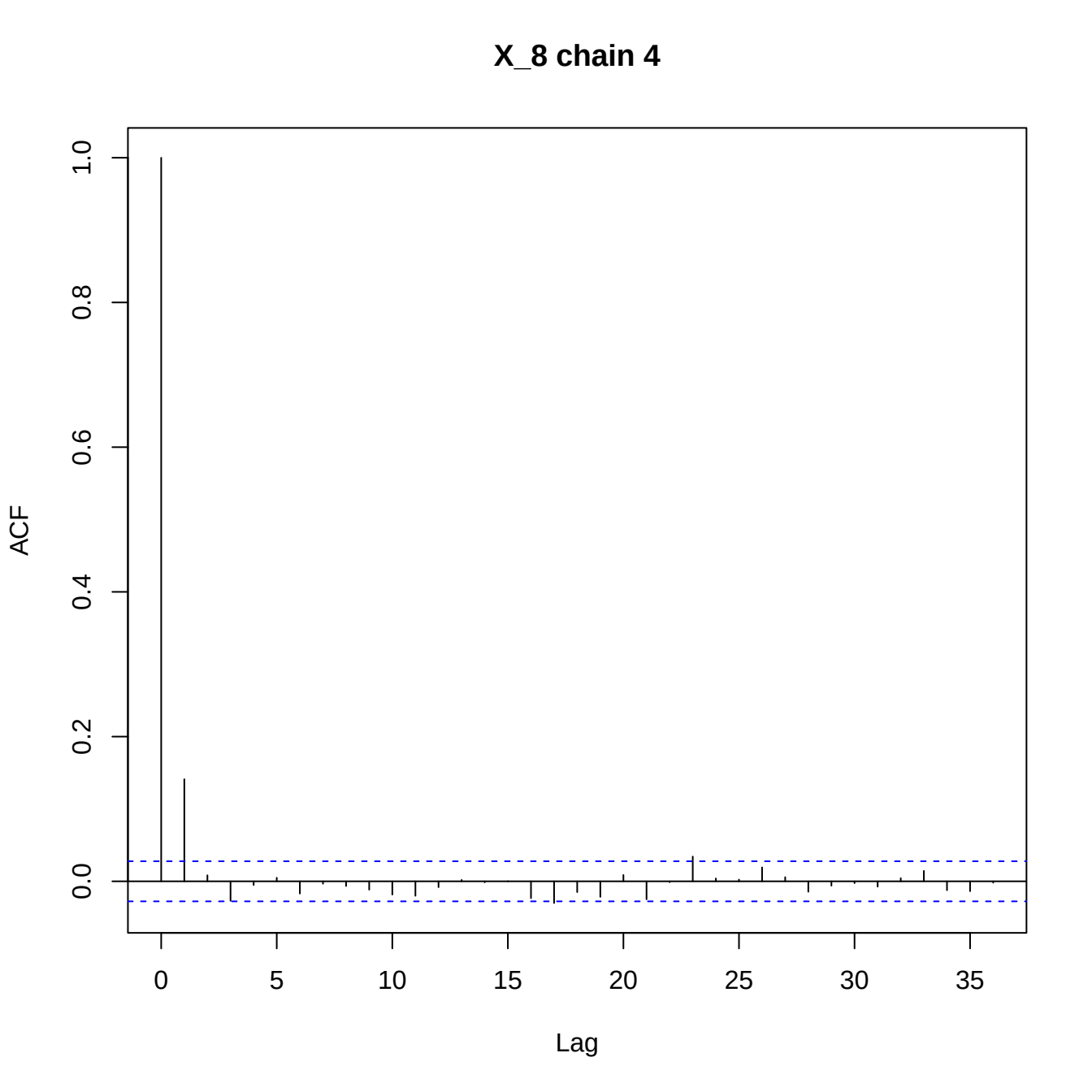
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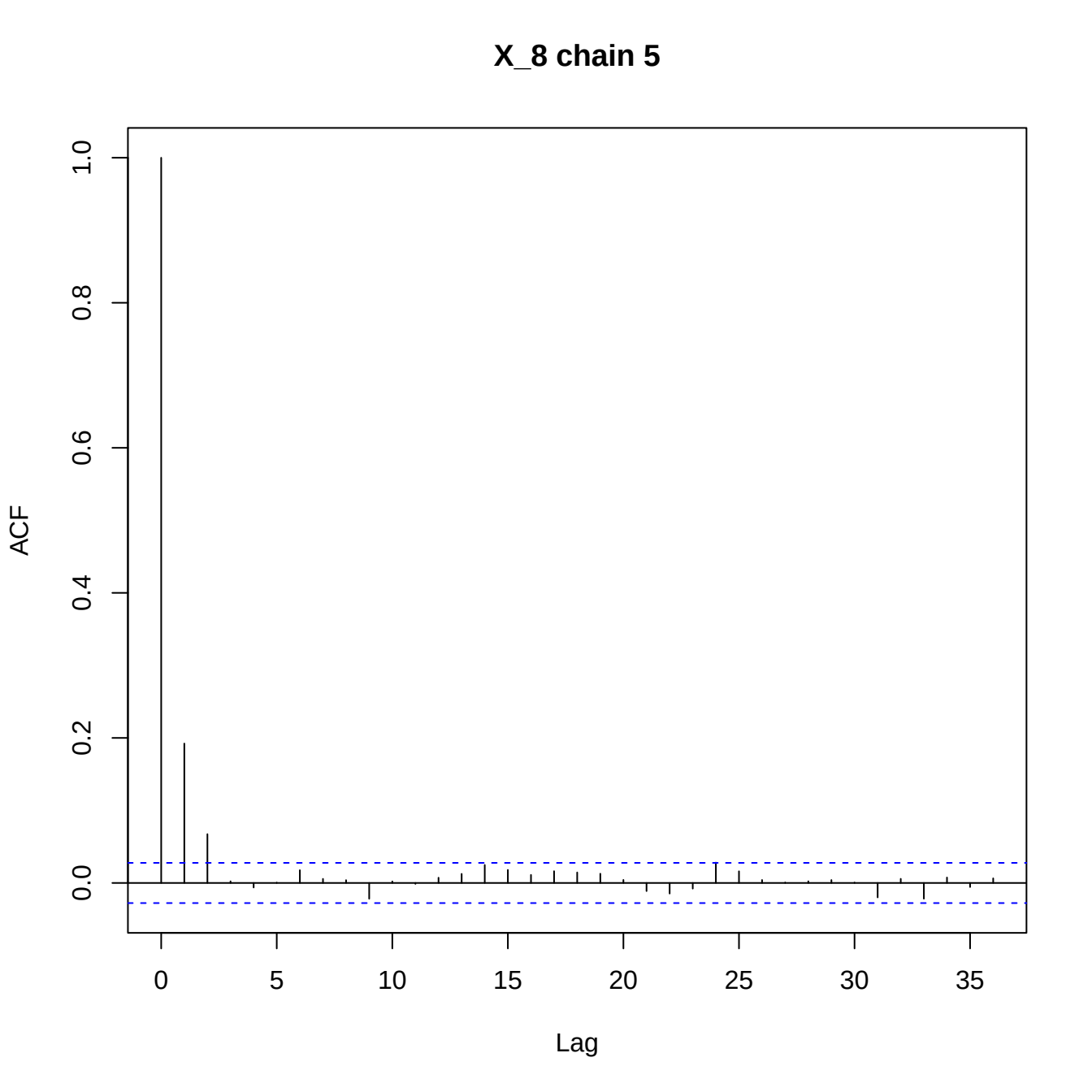
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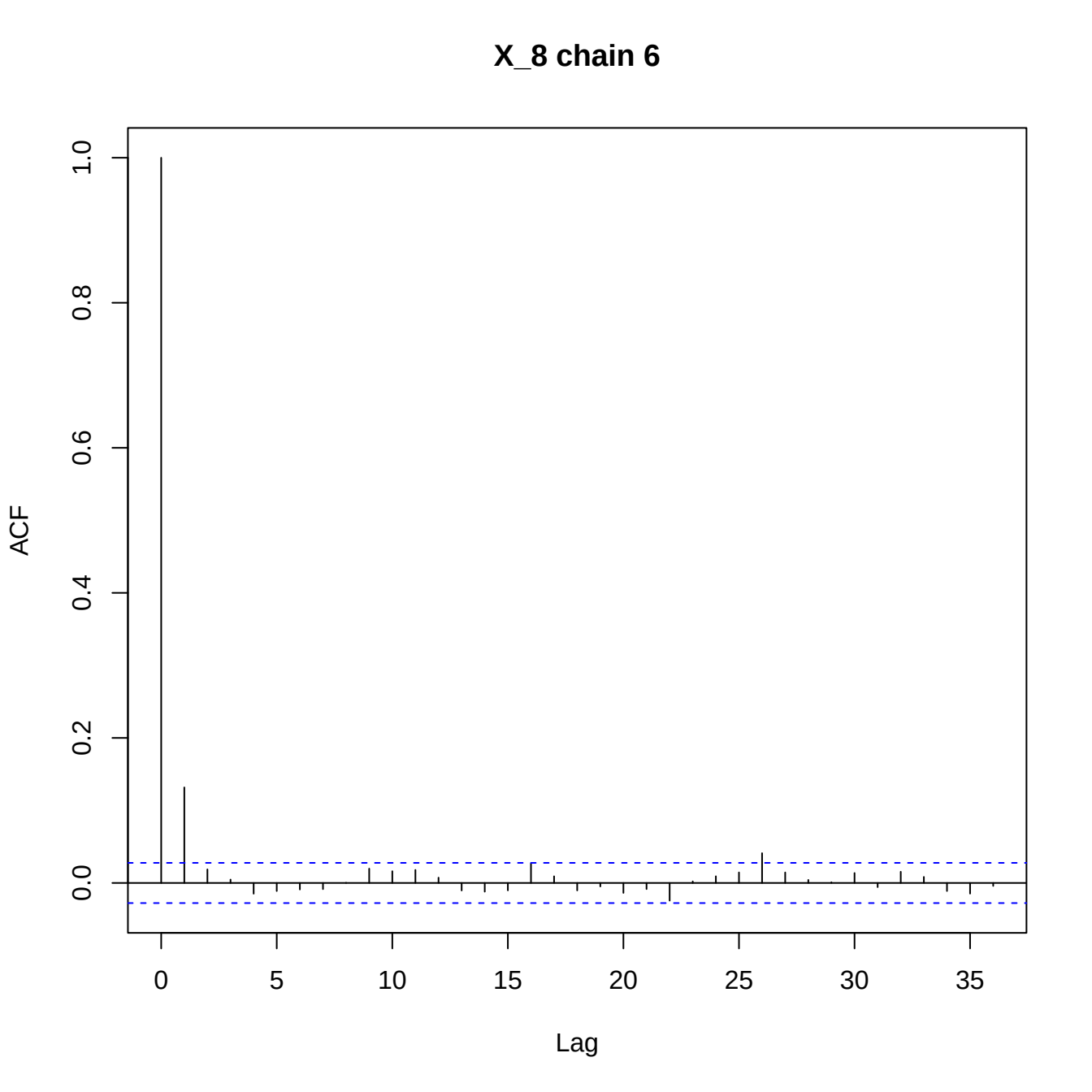
X_8 chain 6
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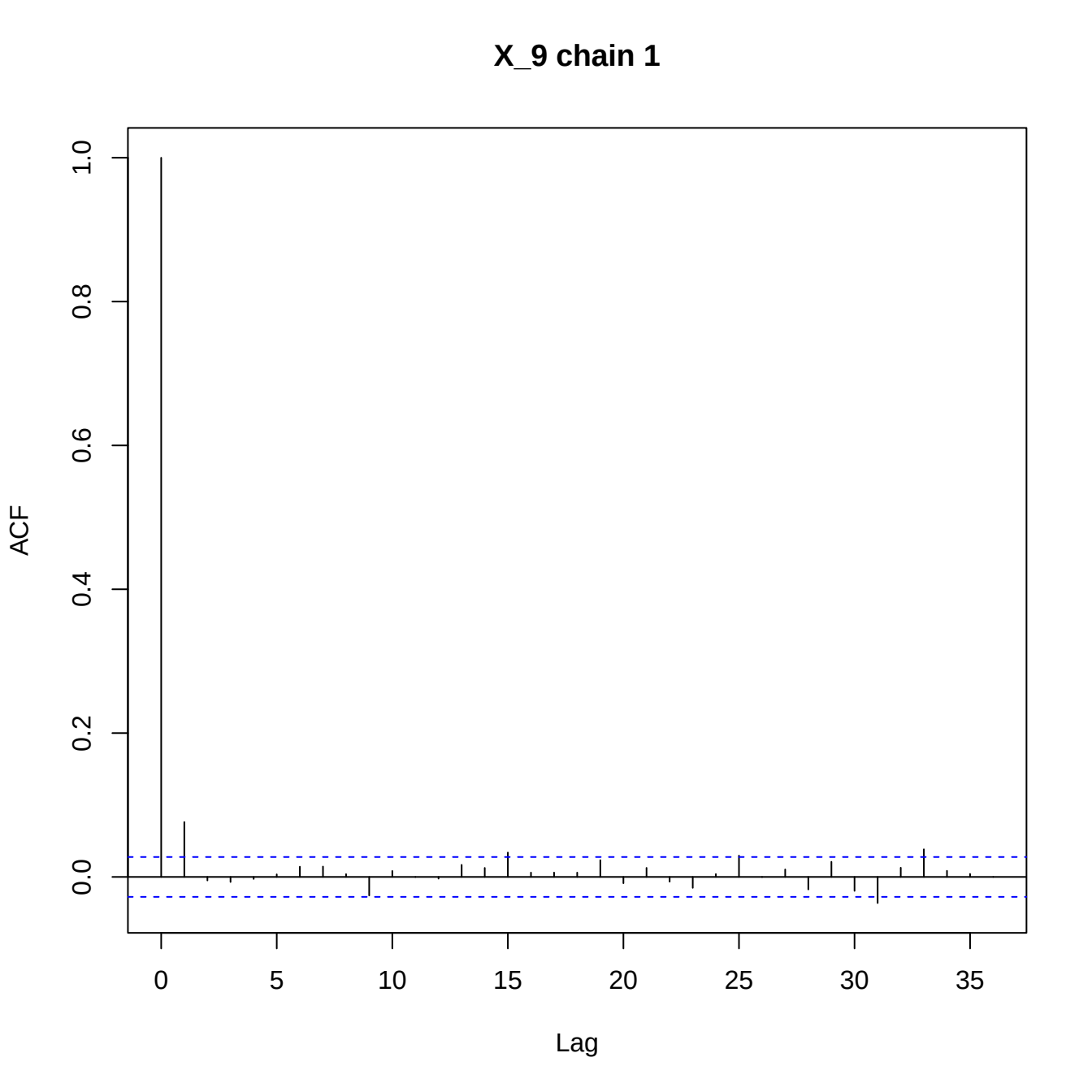
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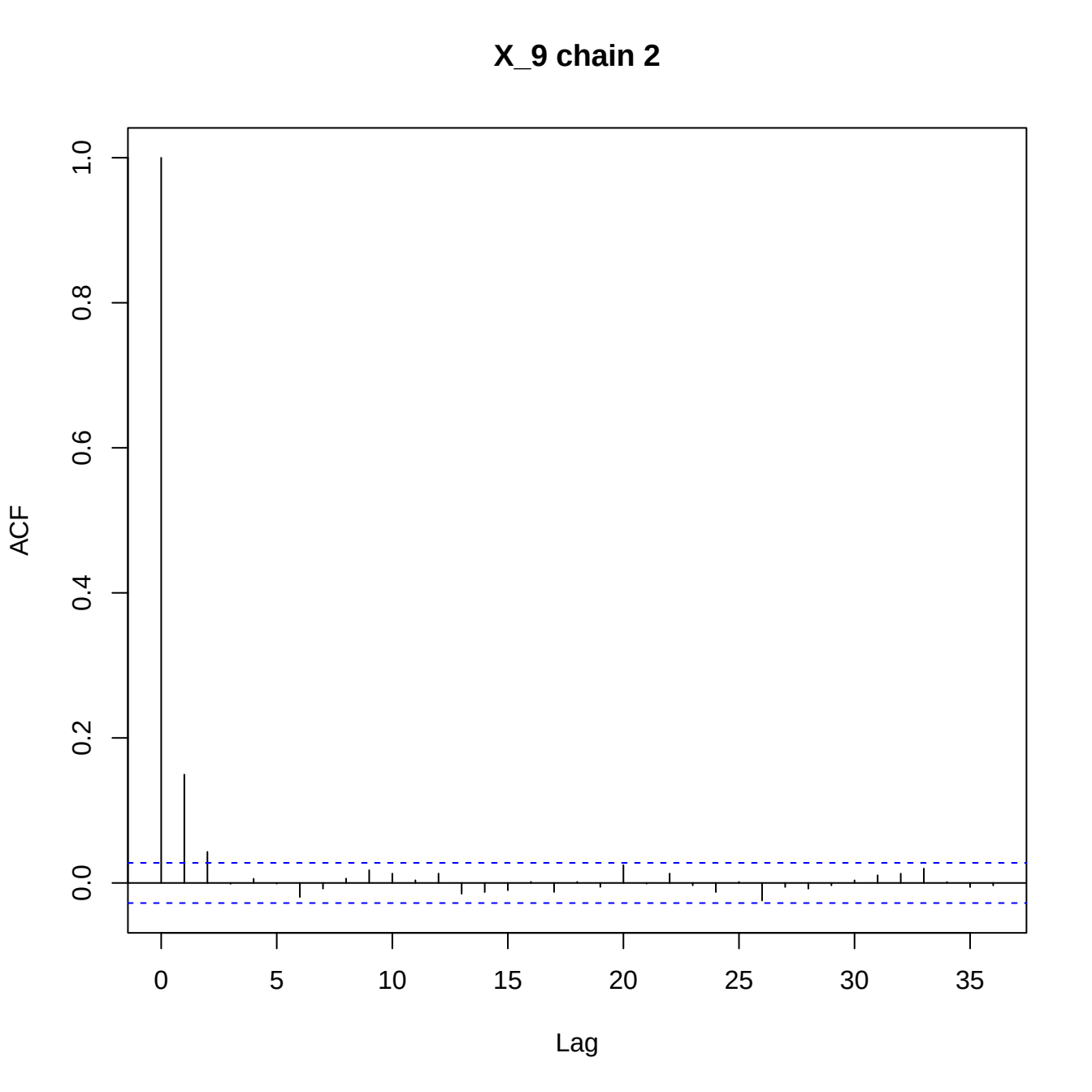
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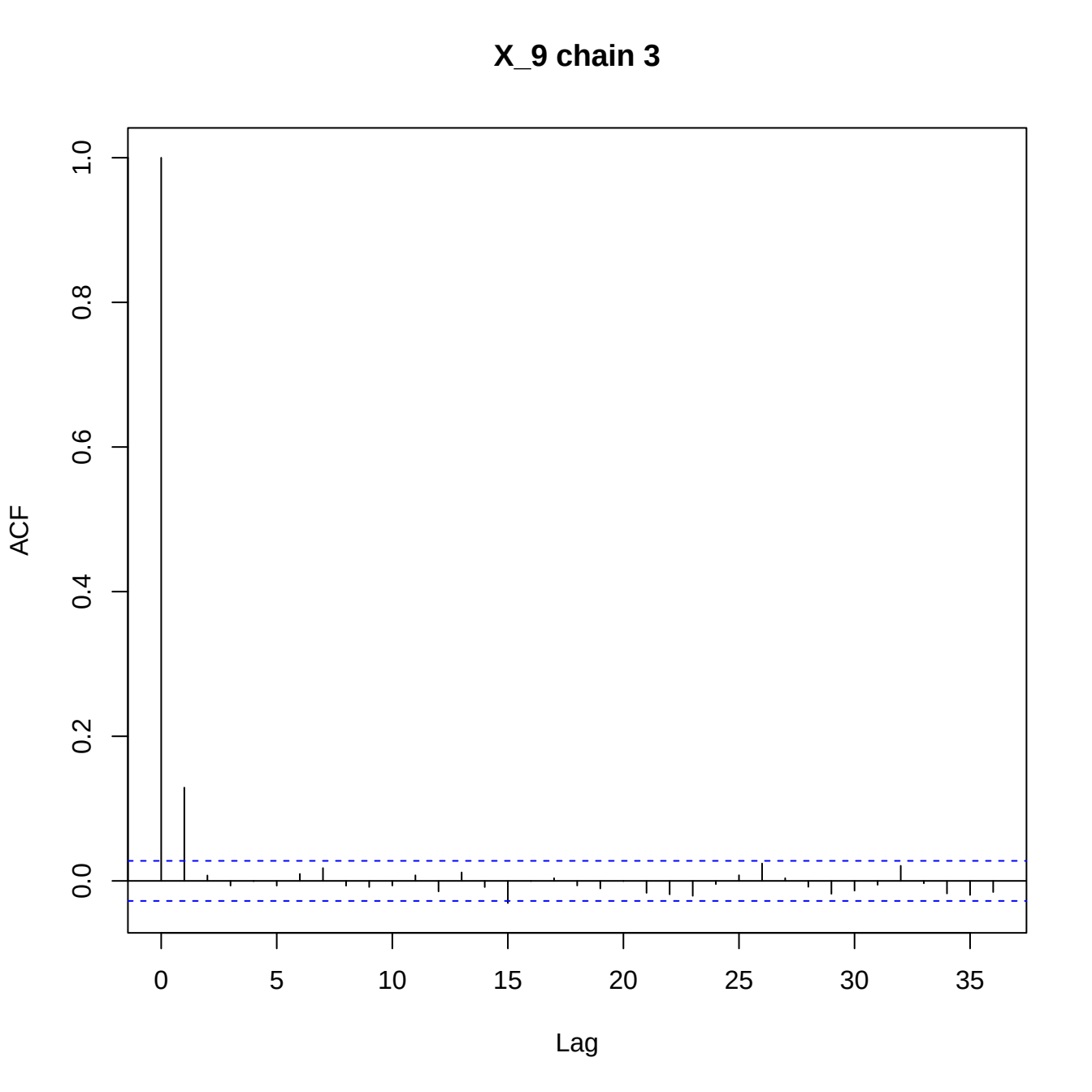
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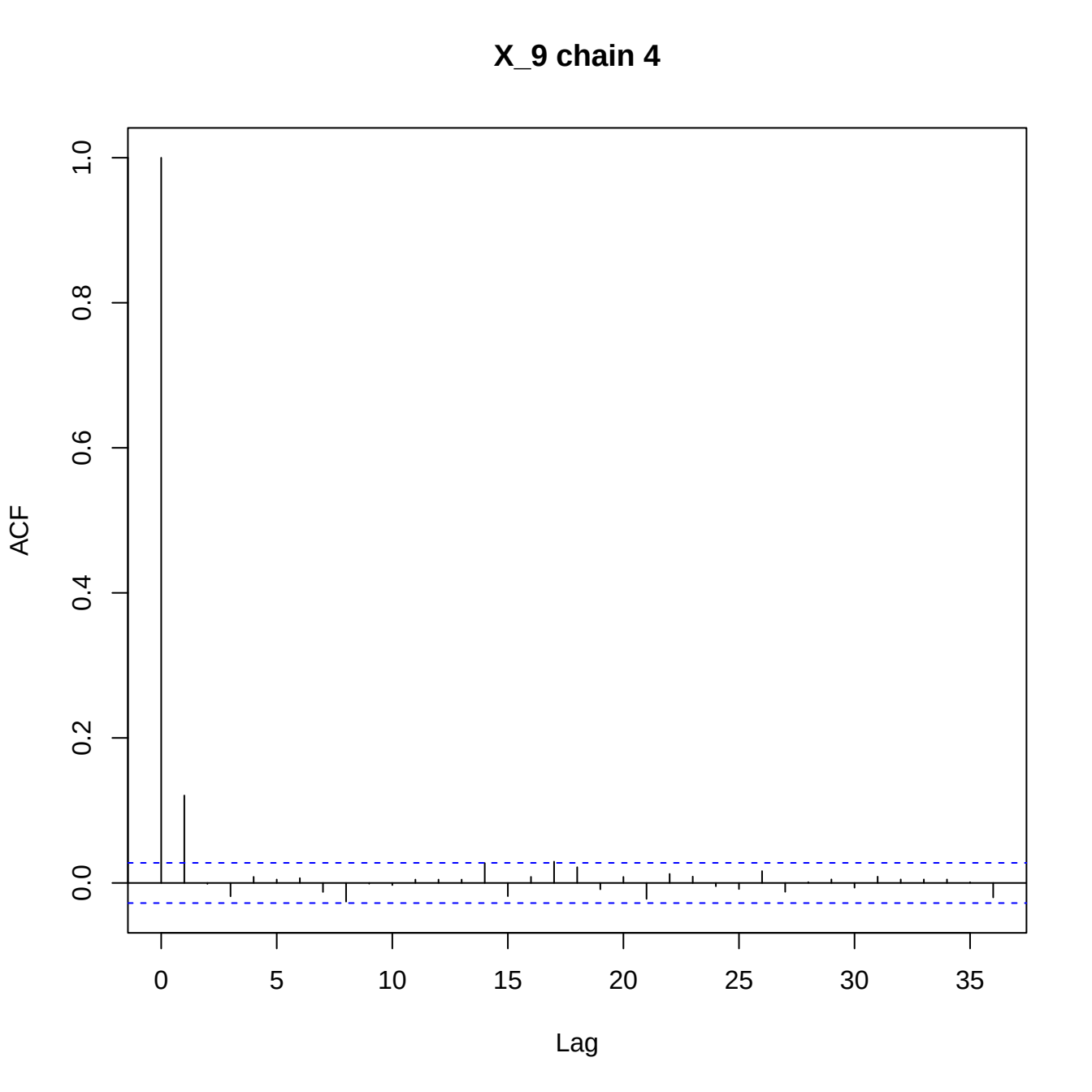
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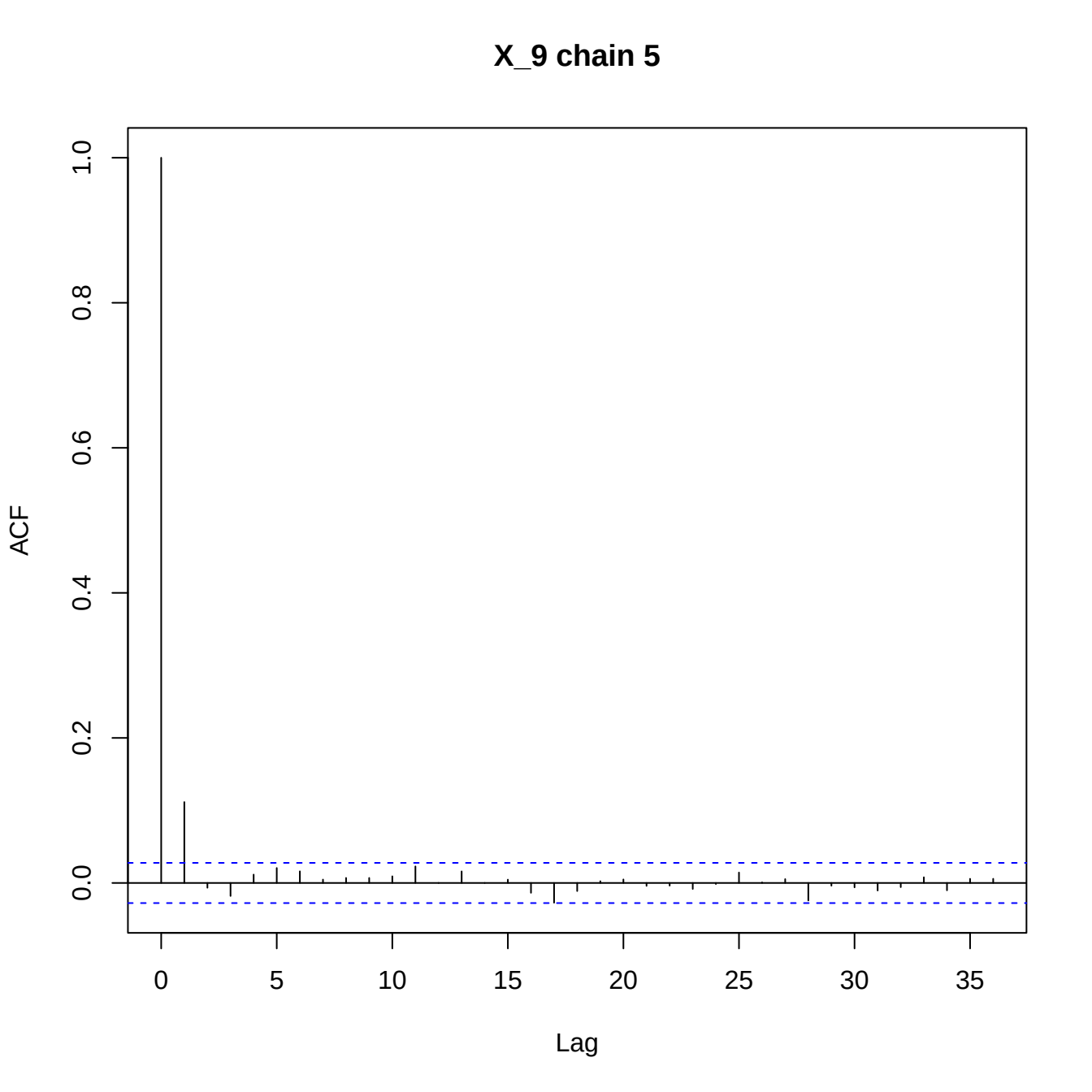
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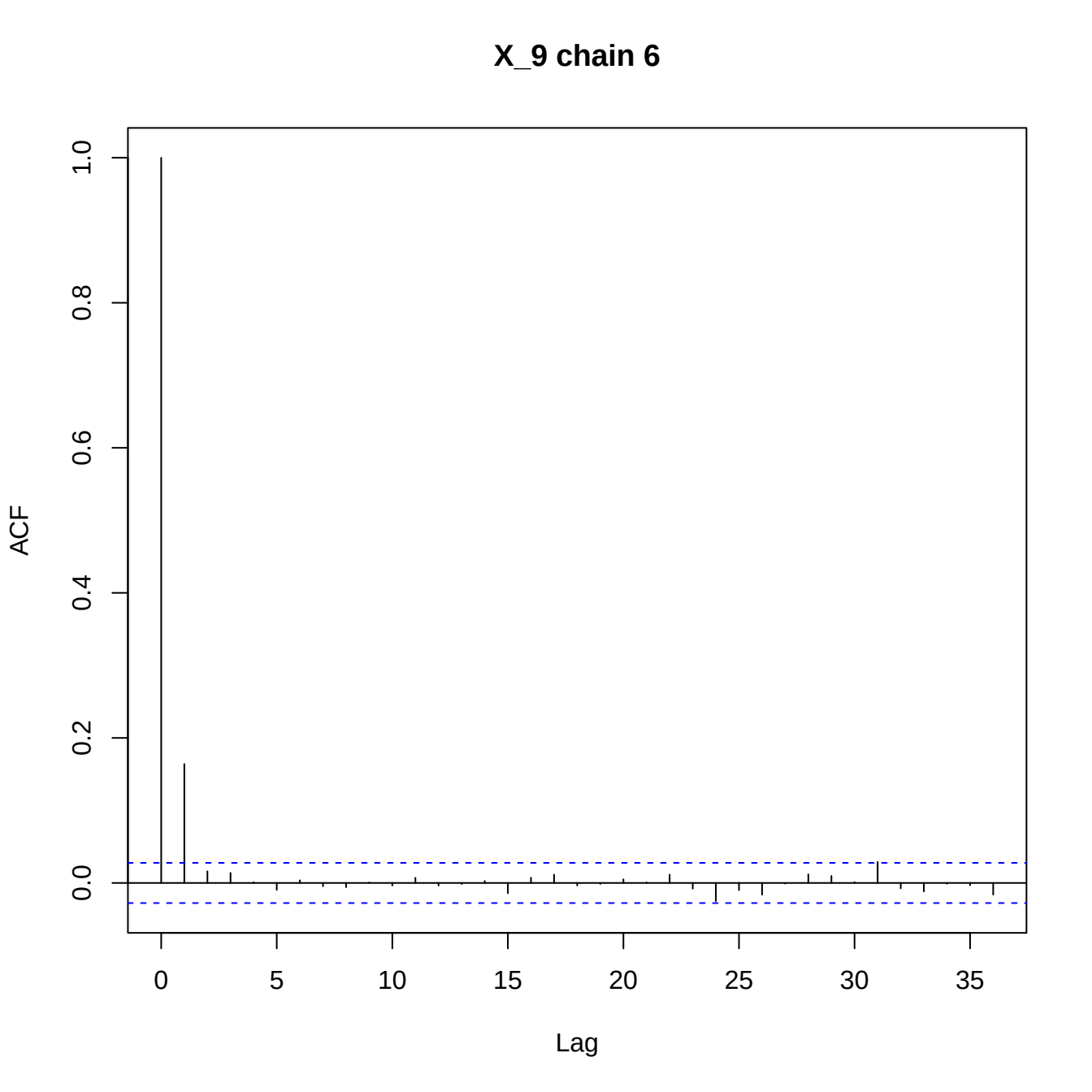
X_9 chain 6
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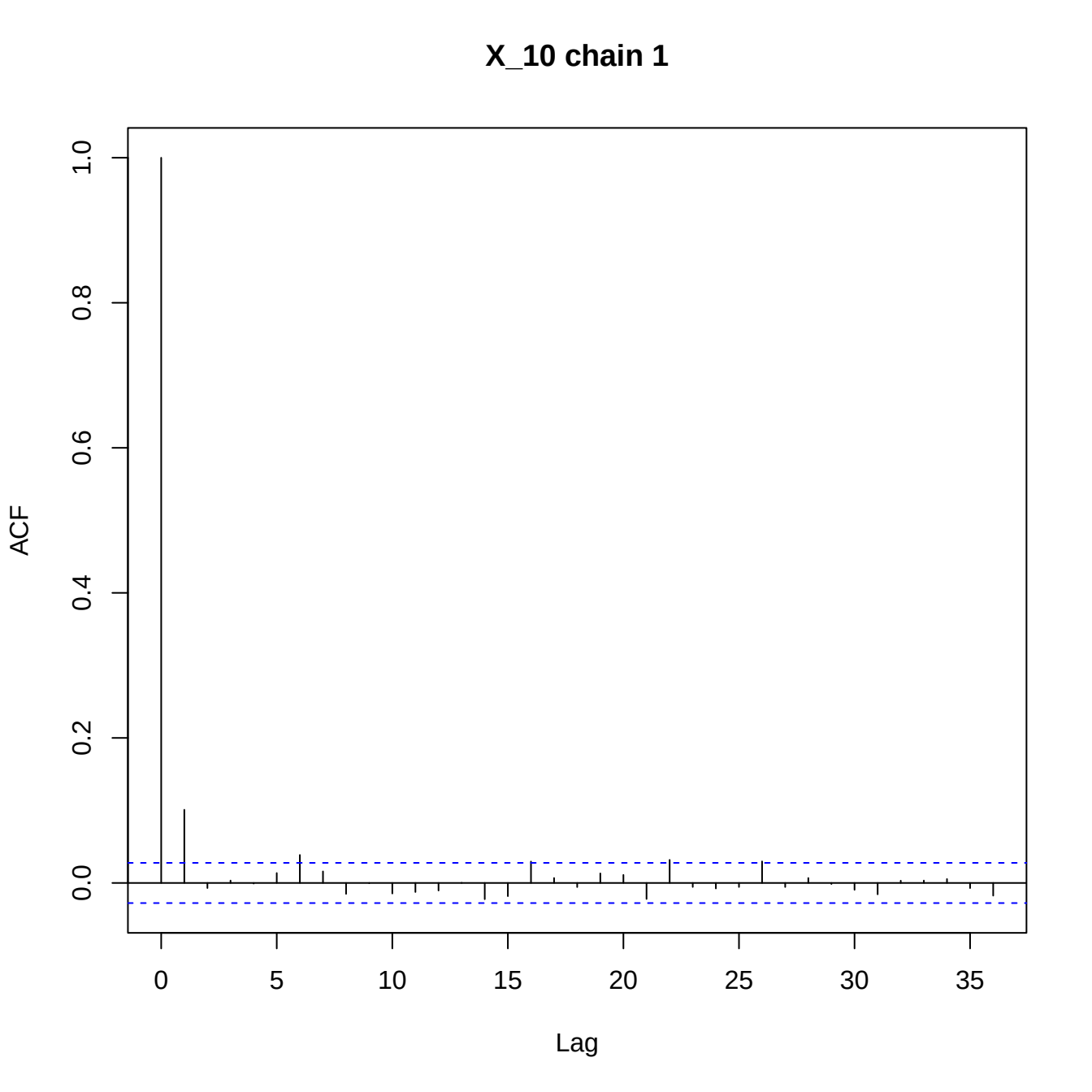
Lag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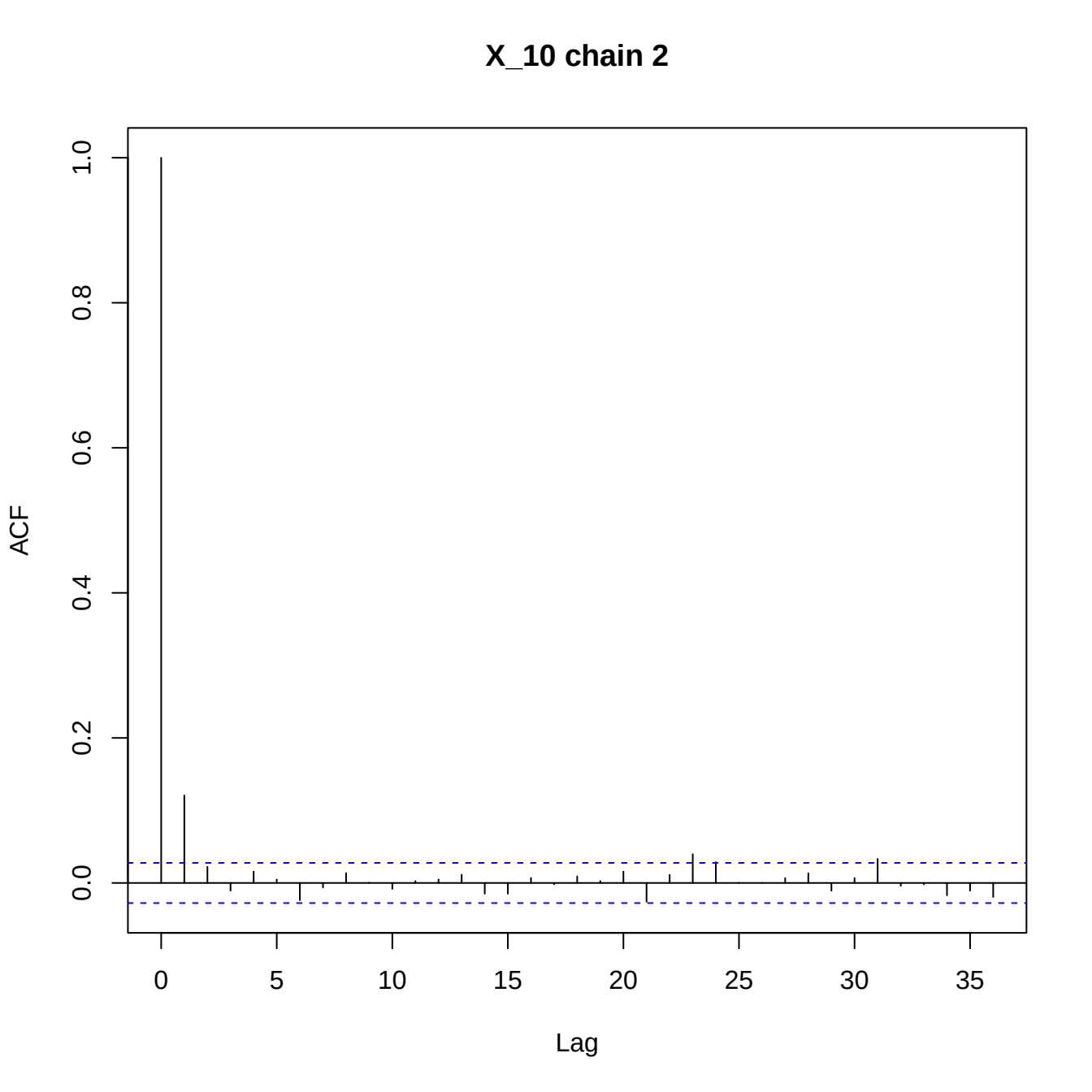
Lag


X_10 chain 2
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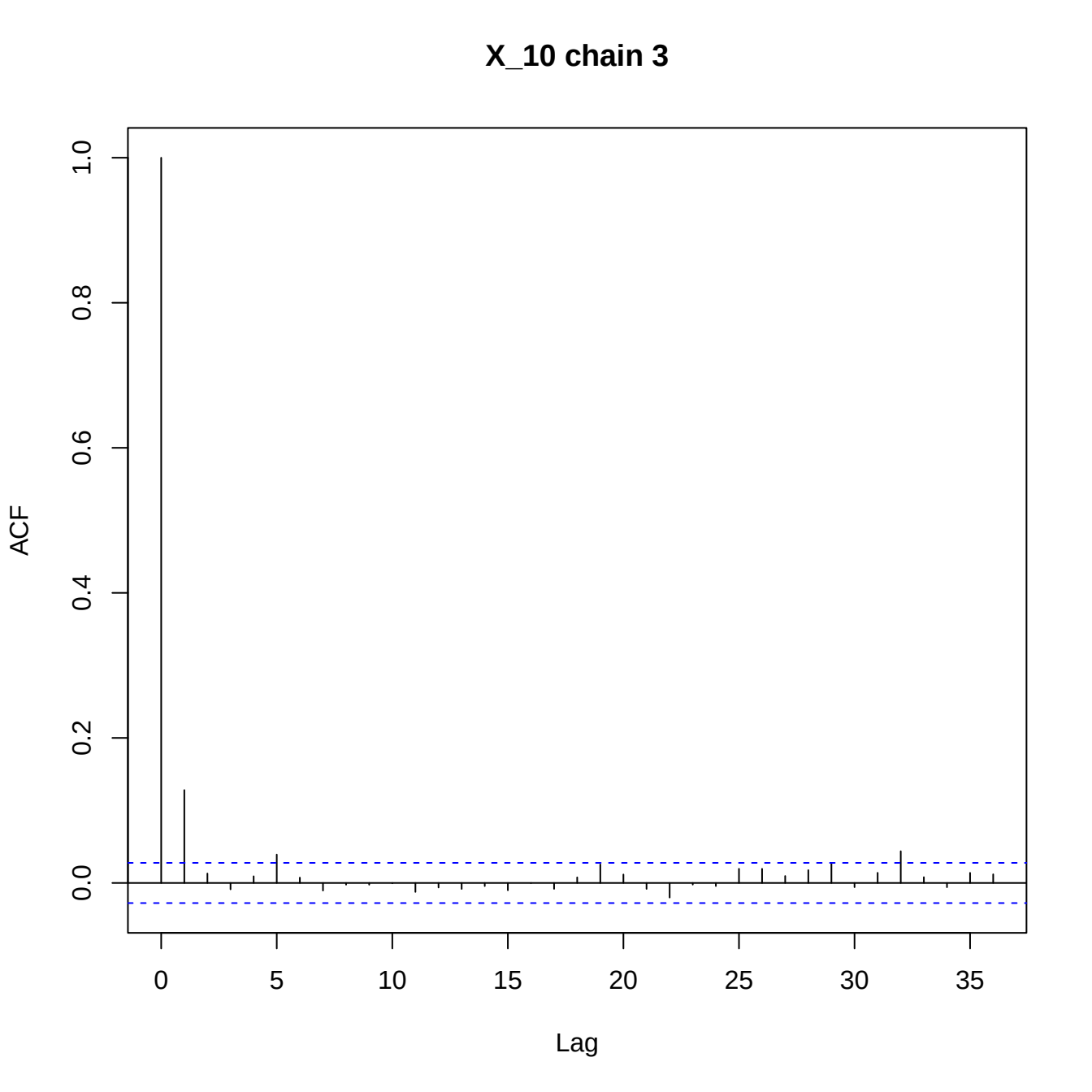
Lag


X_10 chain 3
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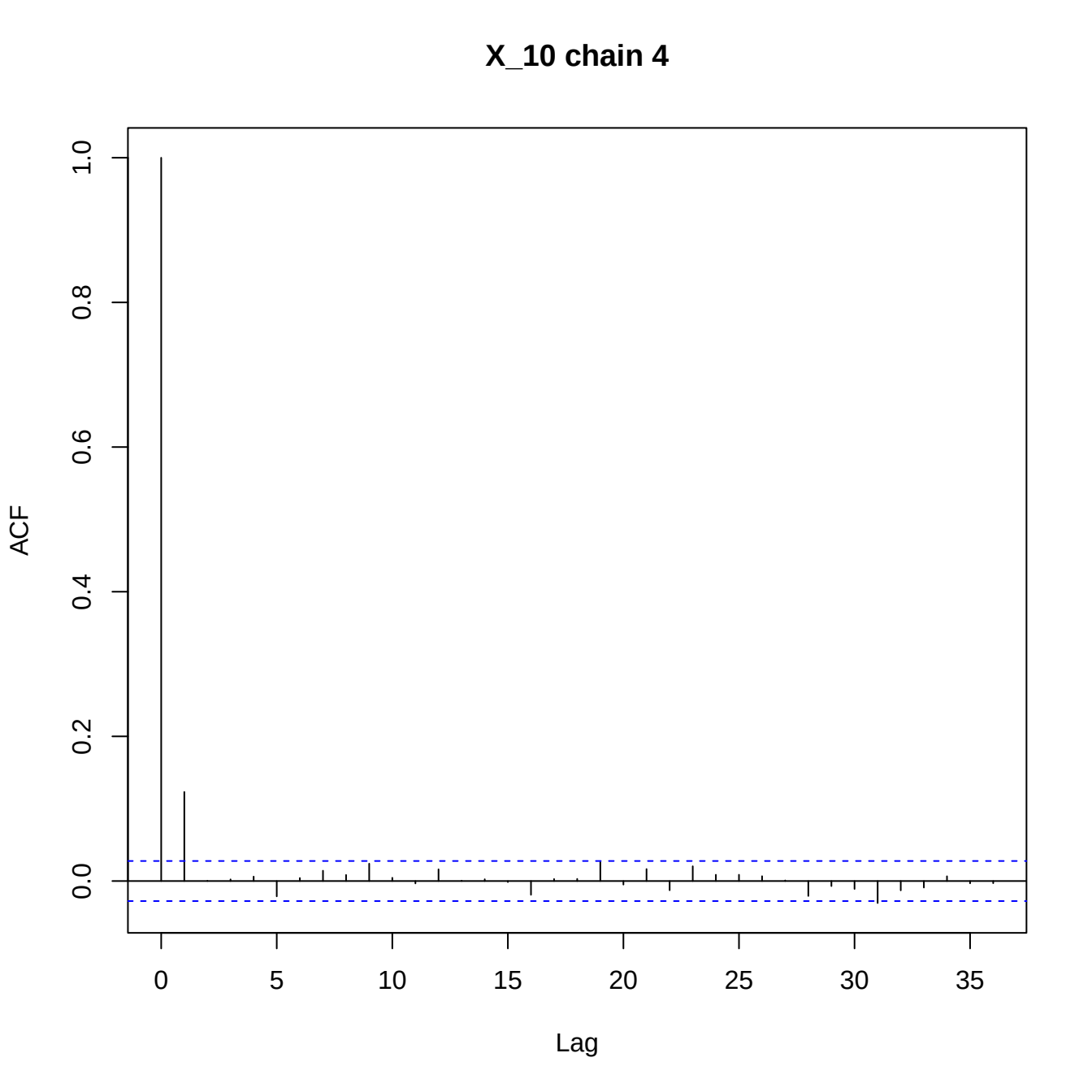
Lag


X_10 chain 4
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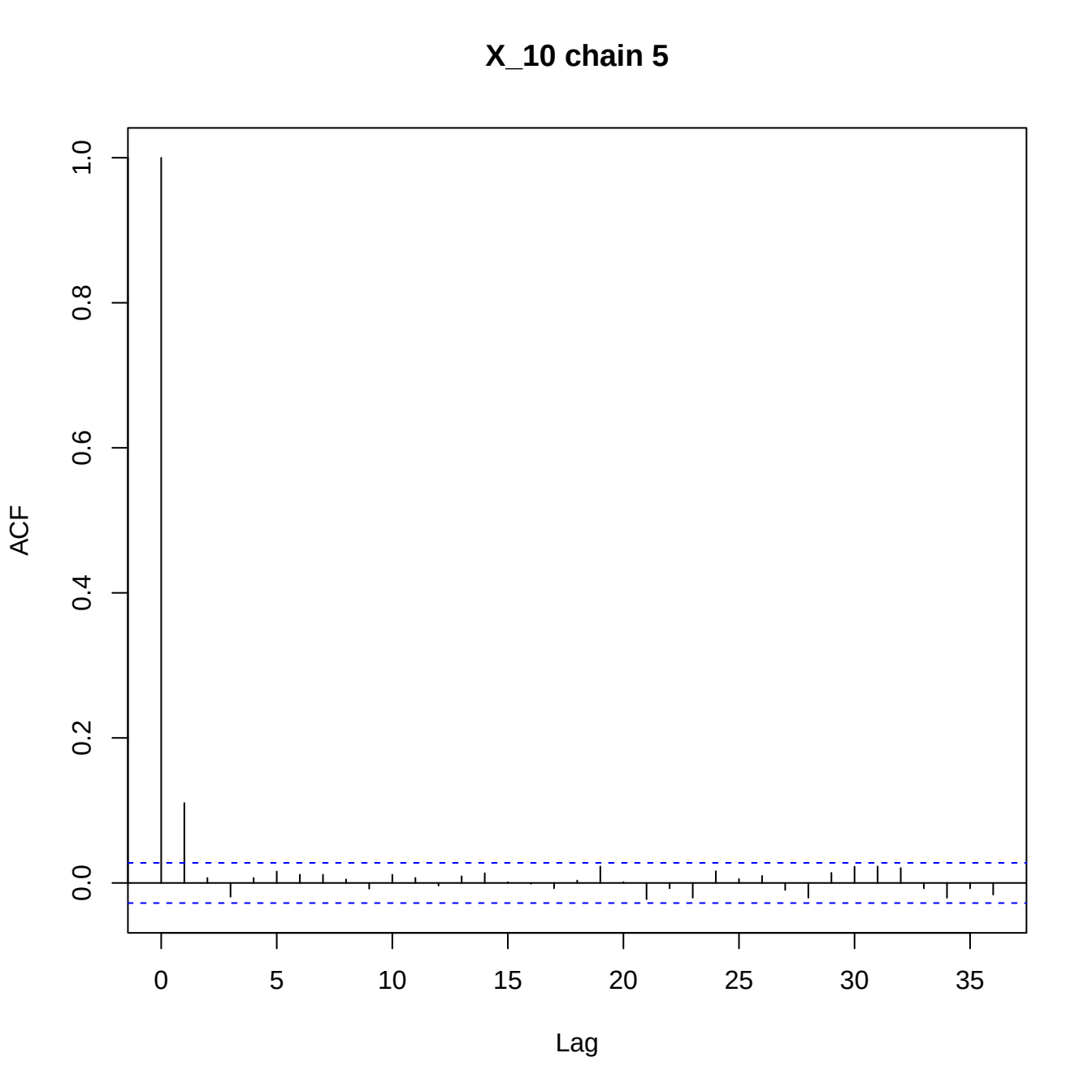
Lag


X_10 chain 5
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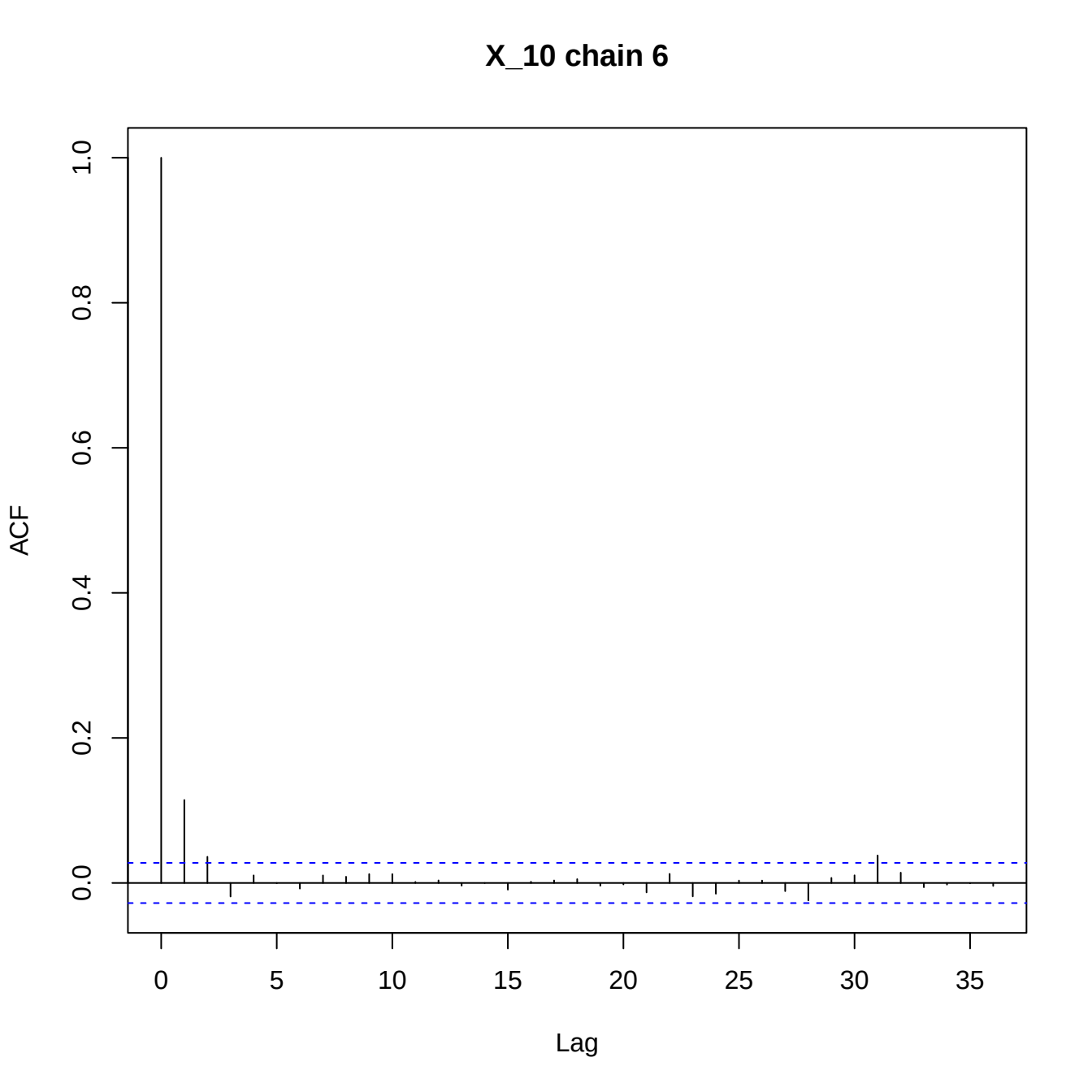
Lag


X_10 chain 6
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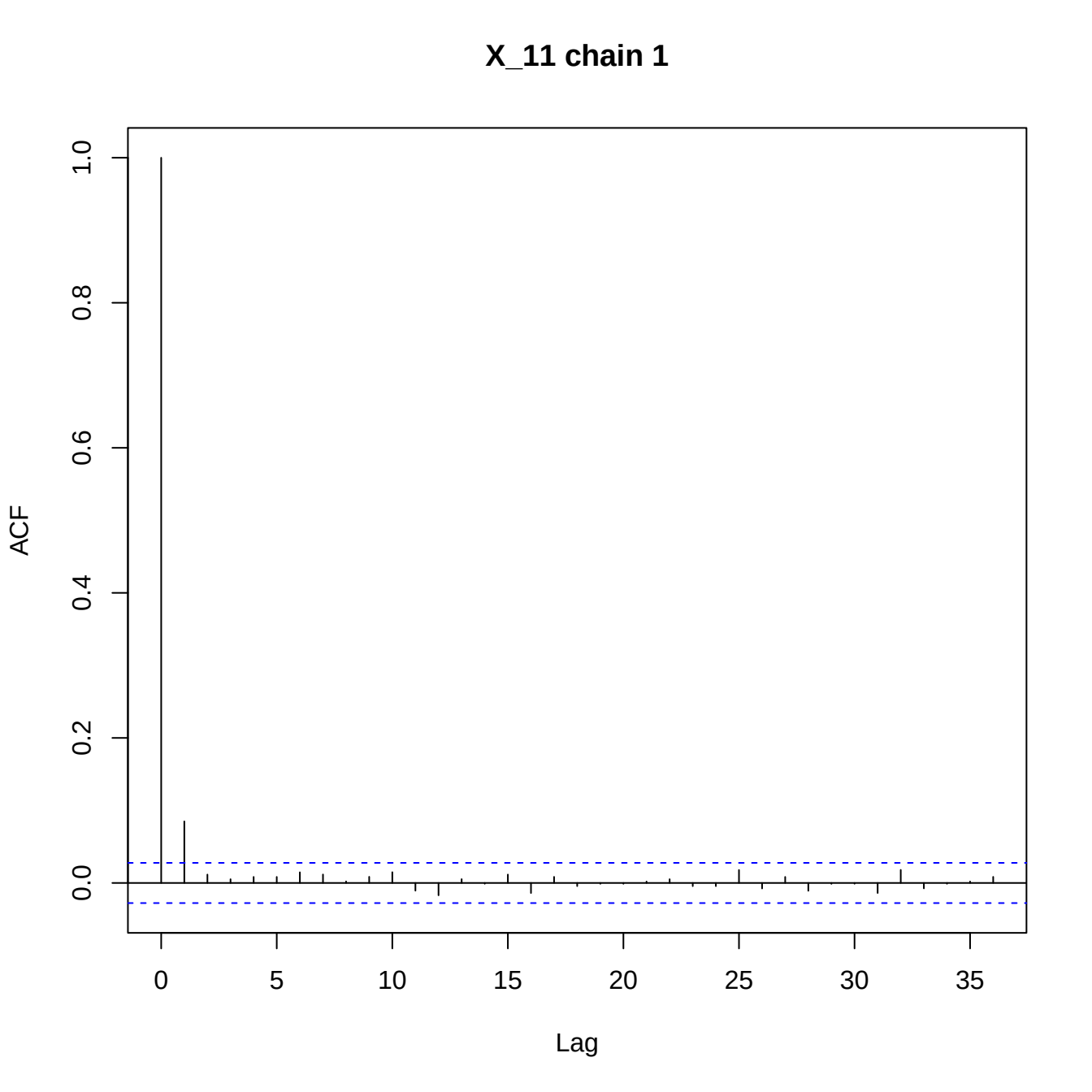
Lag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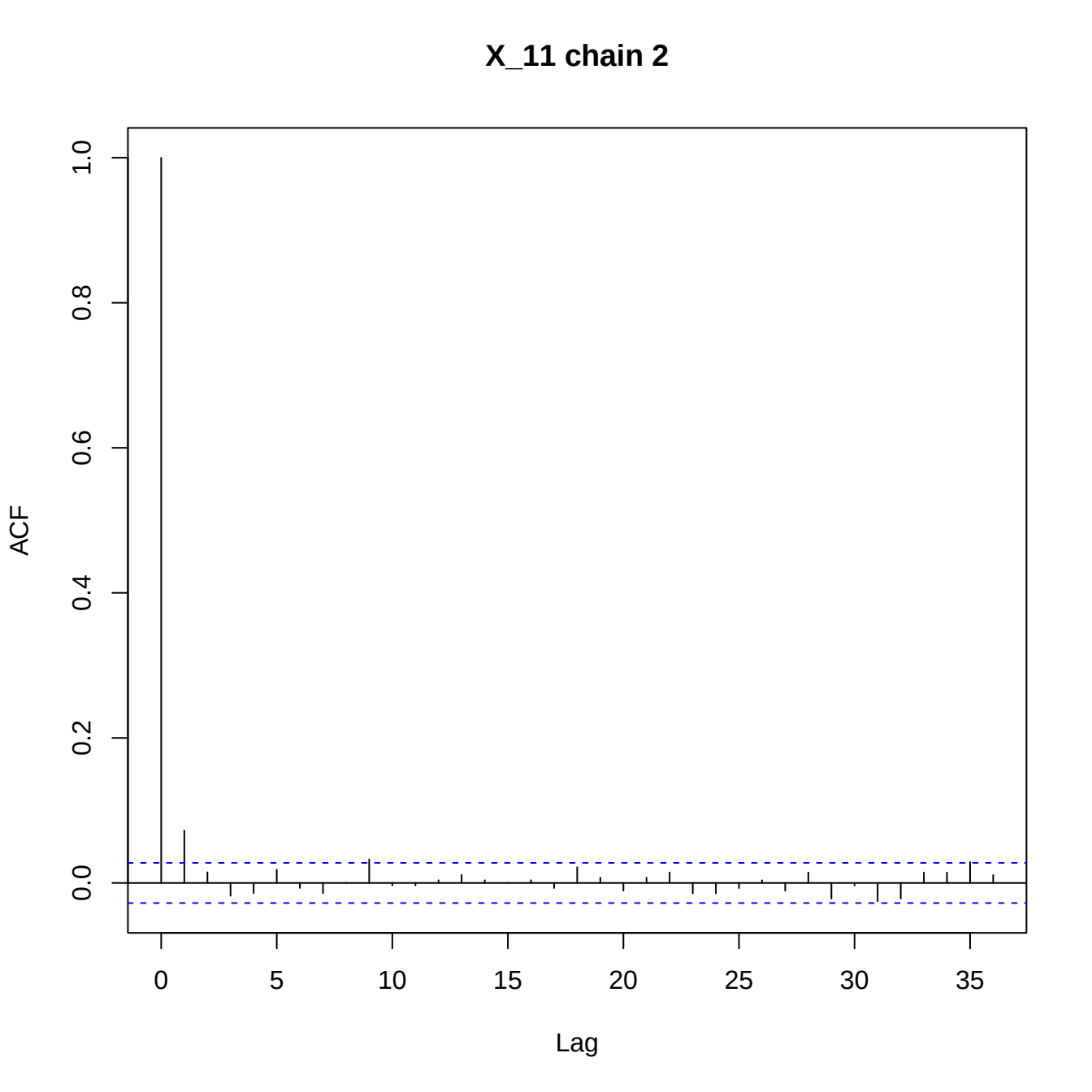
Lag


X_11 chain 2
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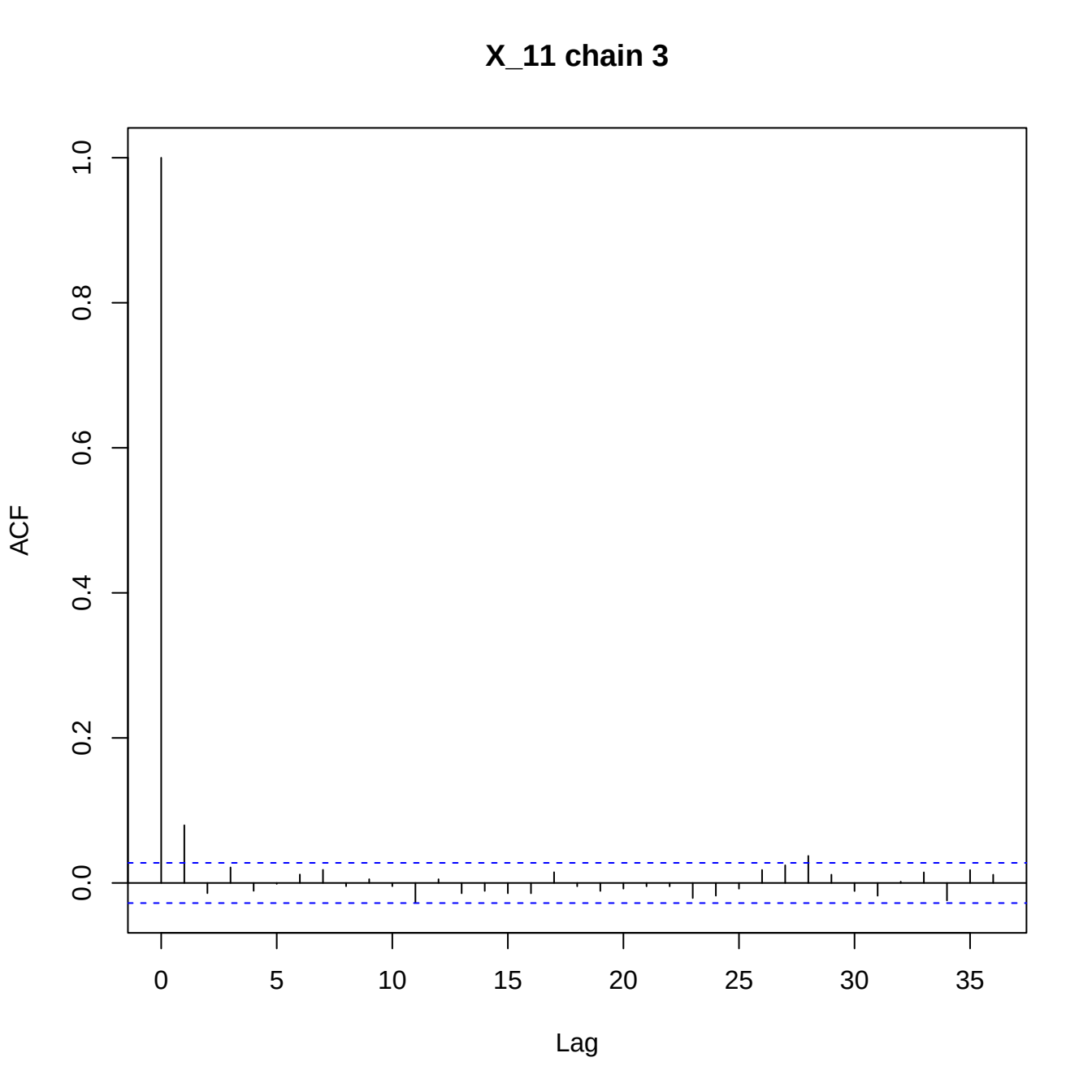
X_11 chain 3
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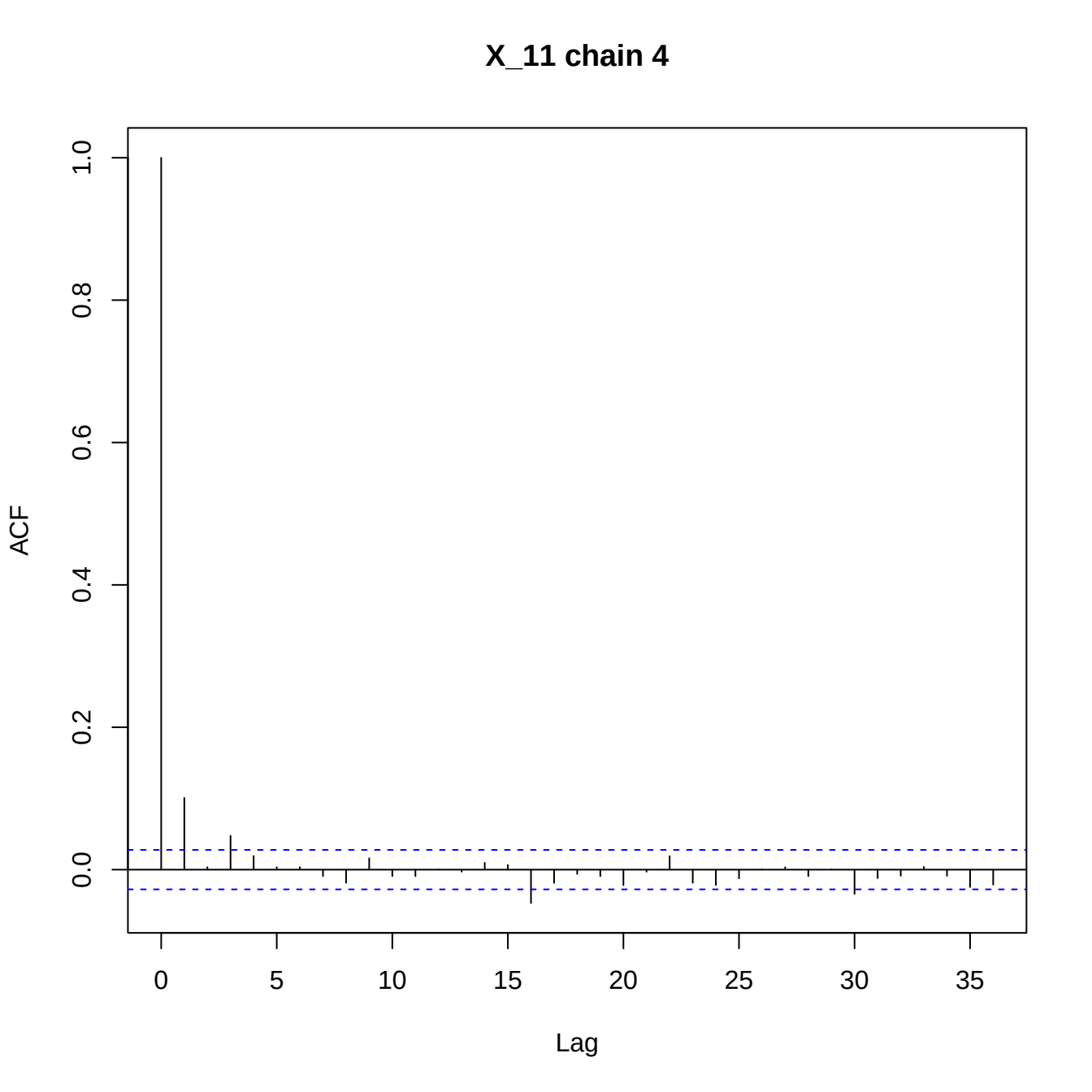
Lag


X_11 chain 4
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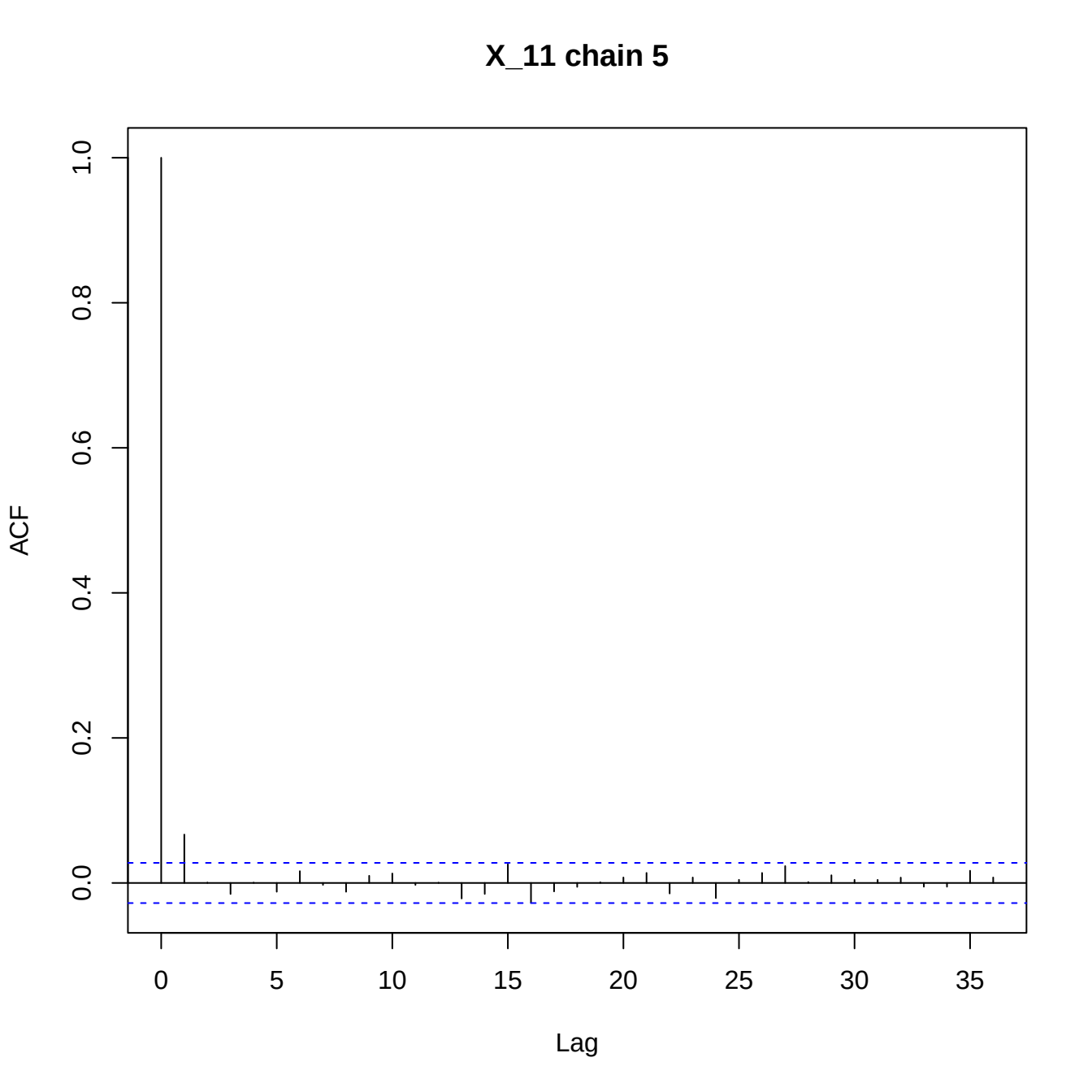
Lag


X_11 chain 5
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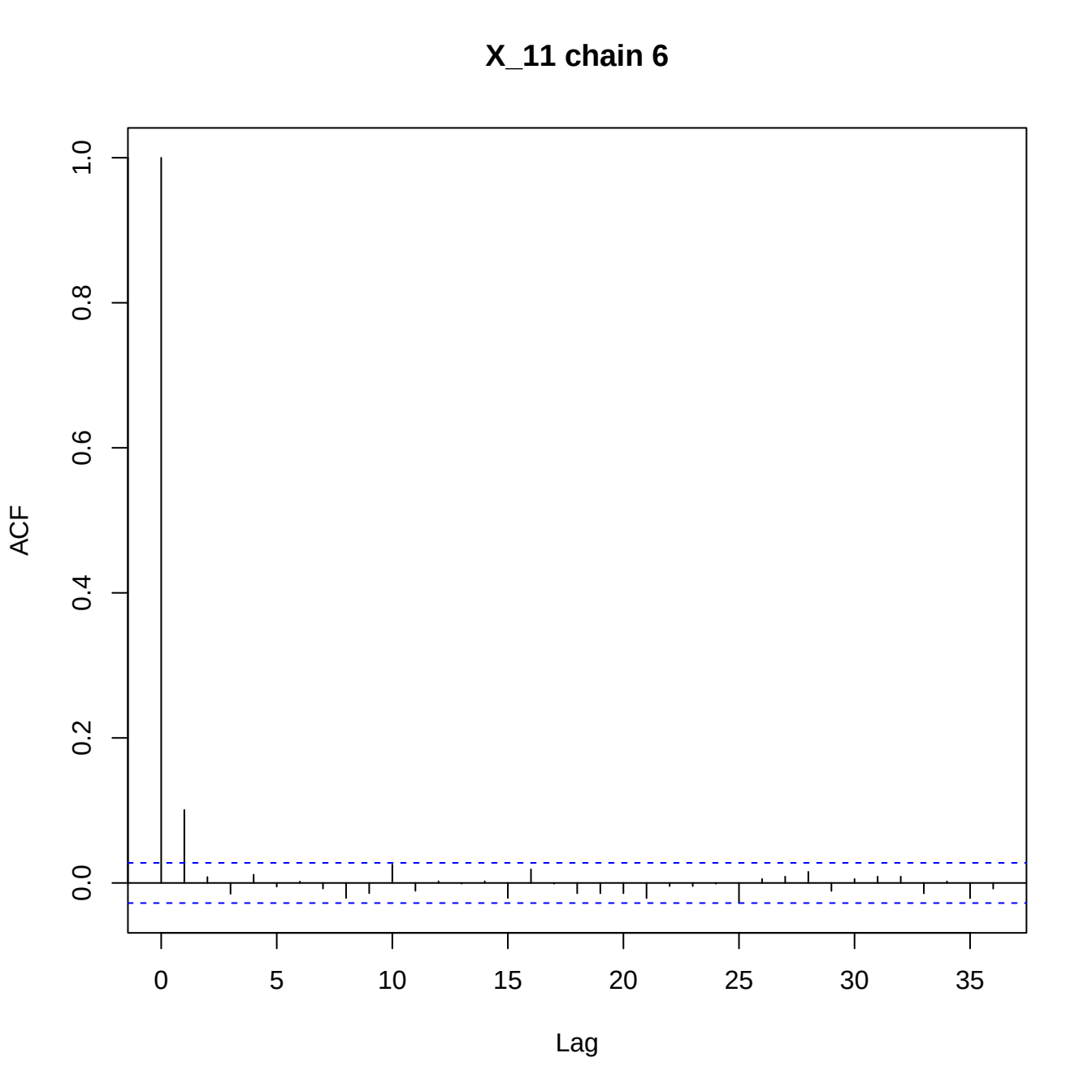
X_11 chain 6
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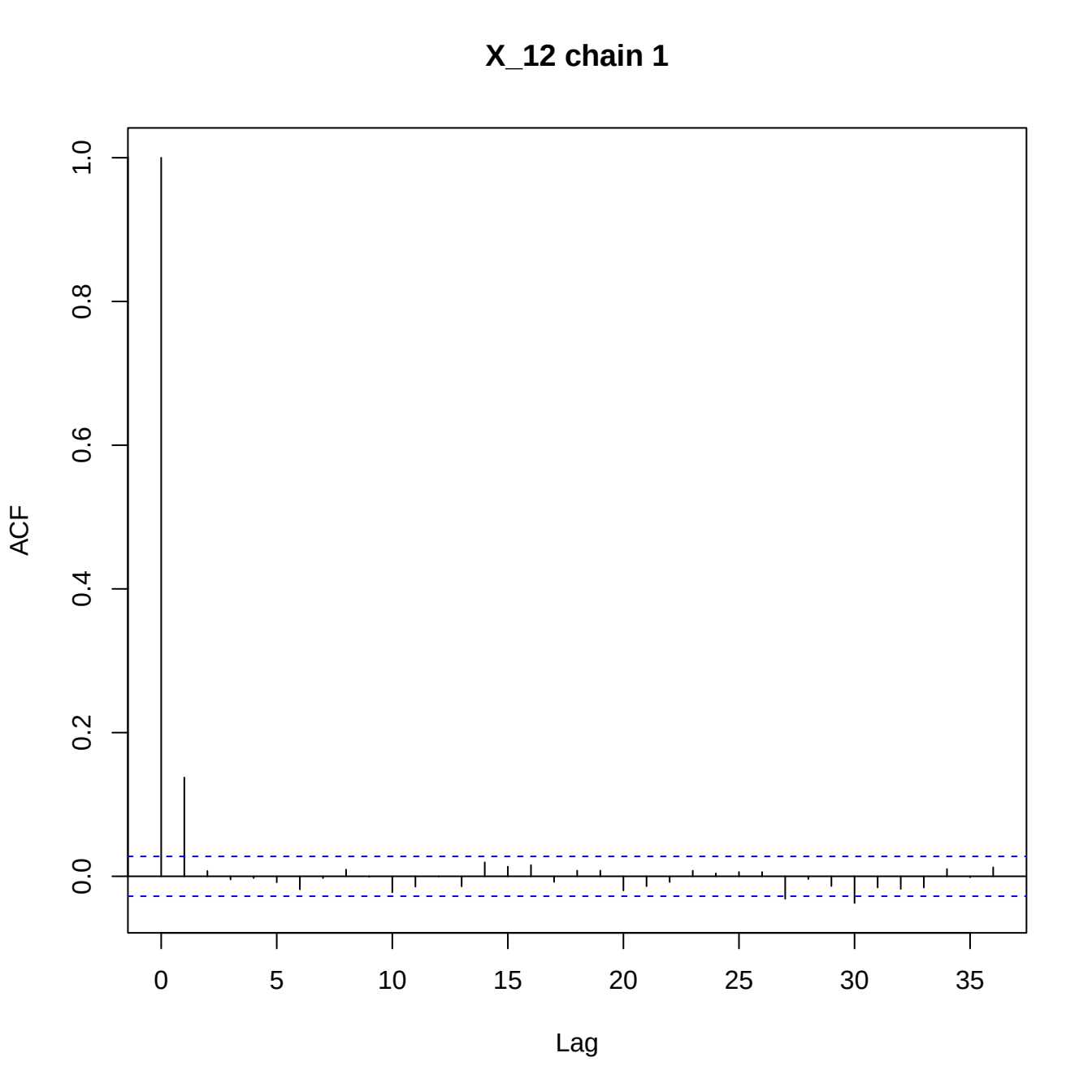
Lag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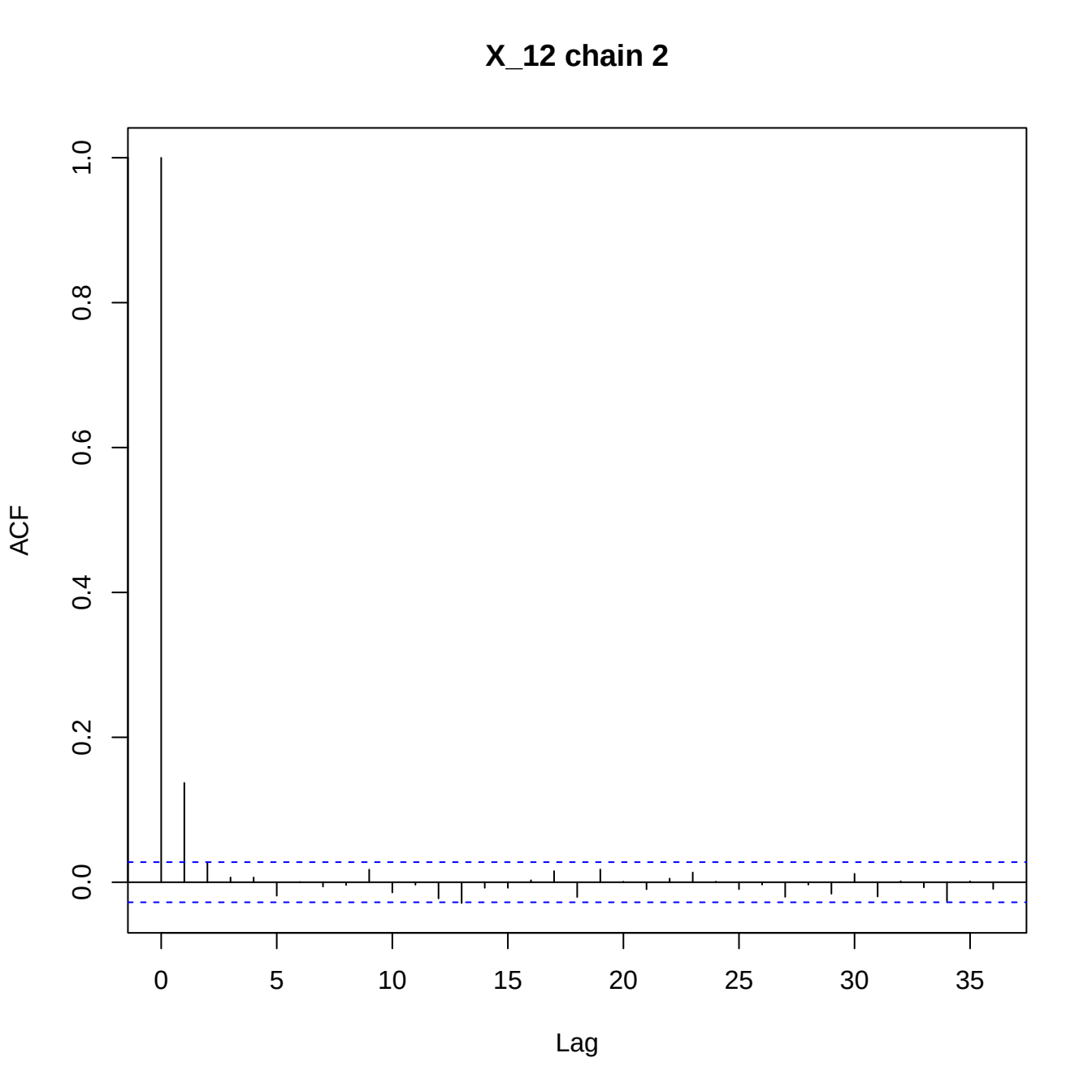
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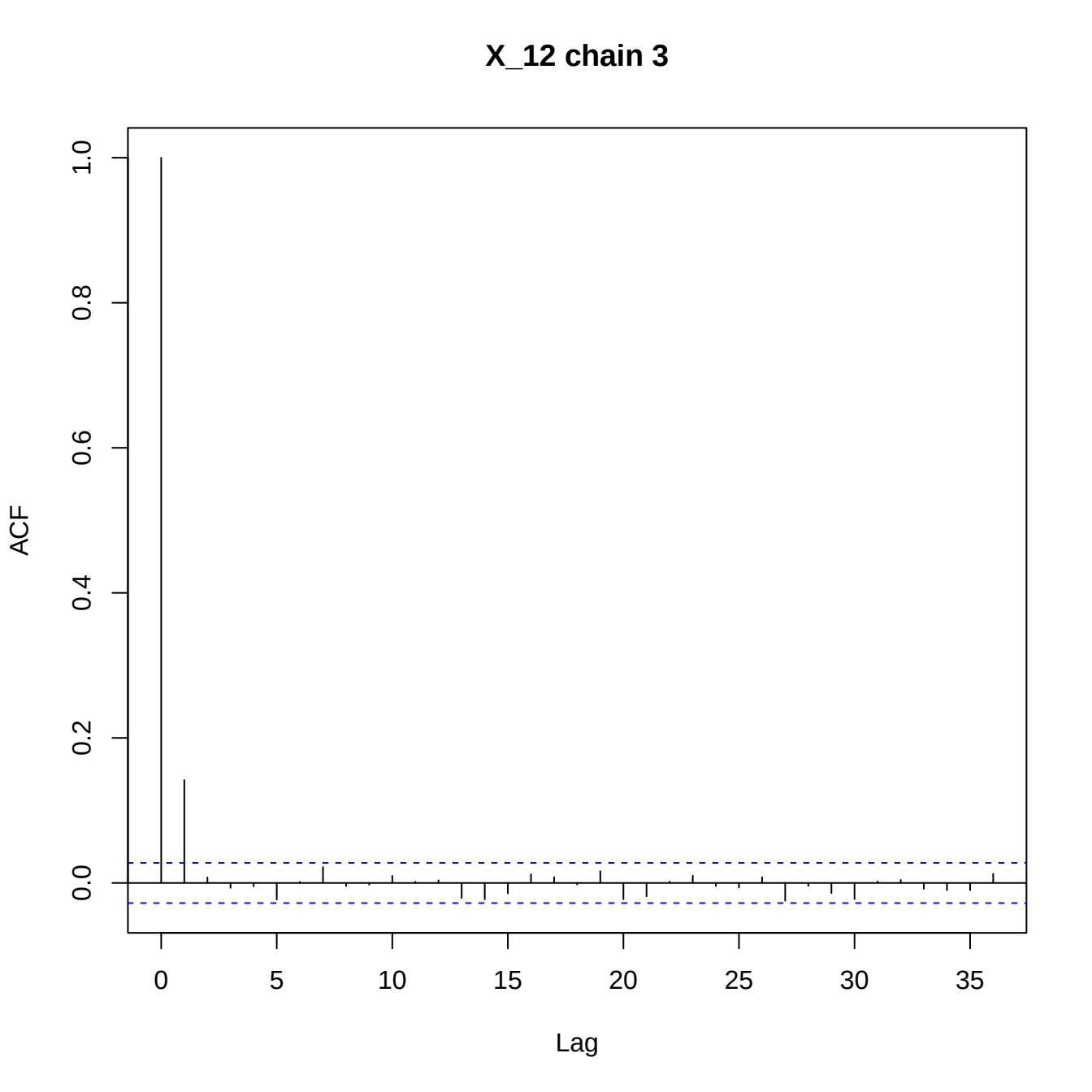
Lag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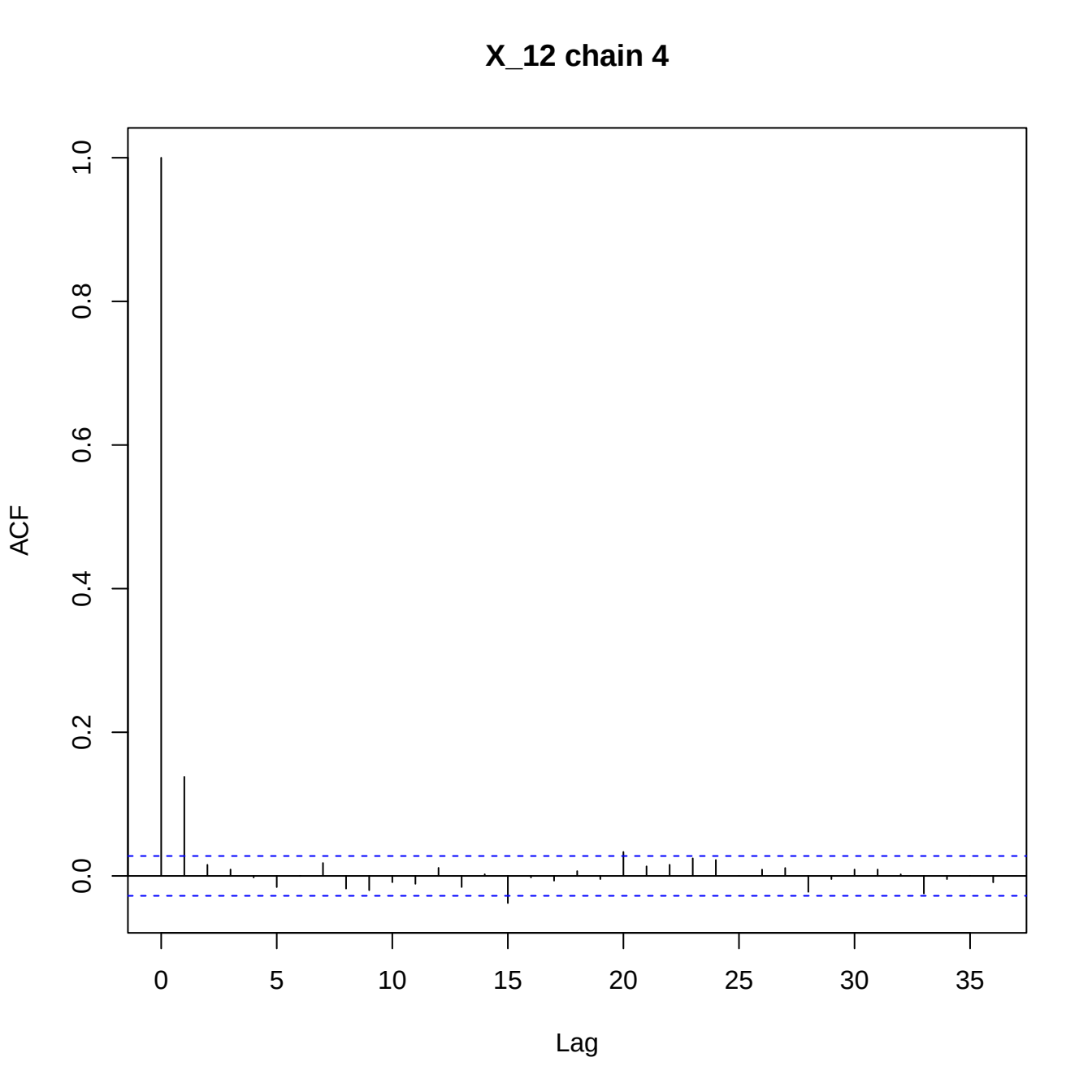
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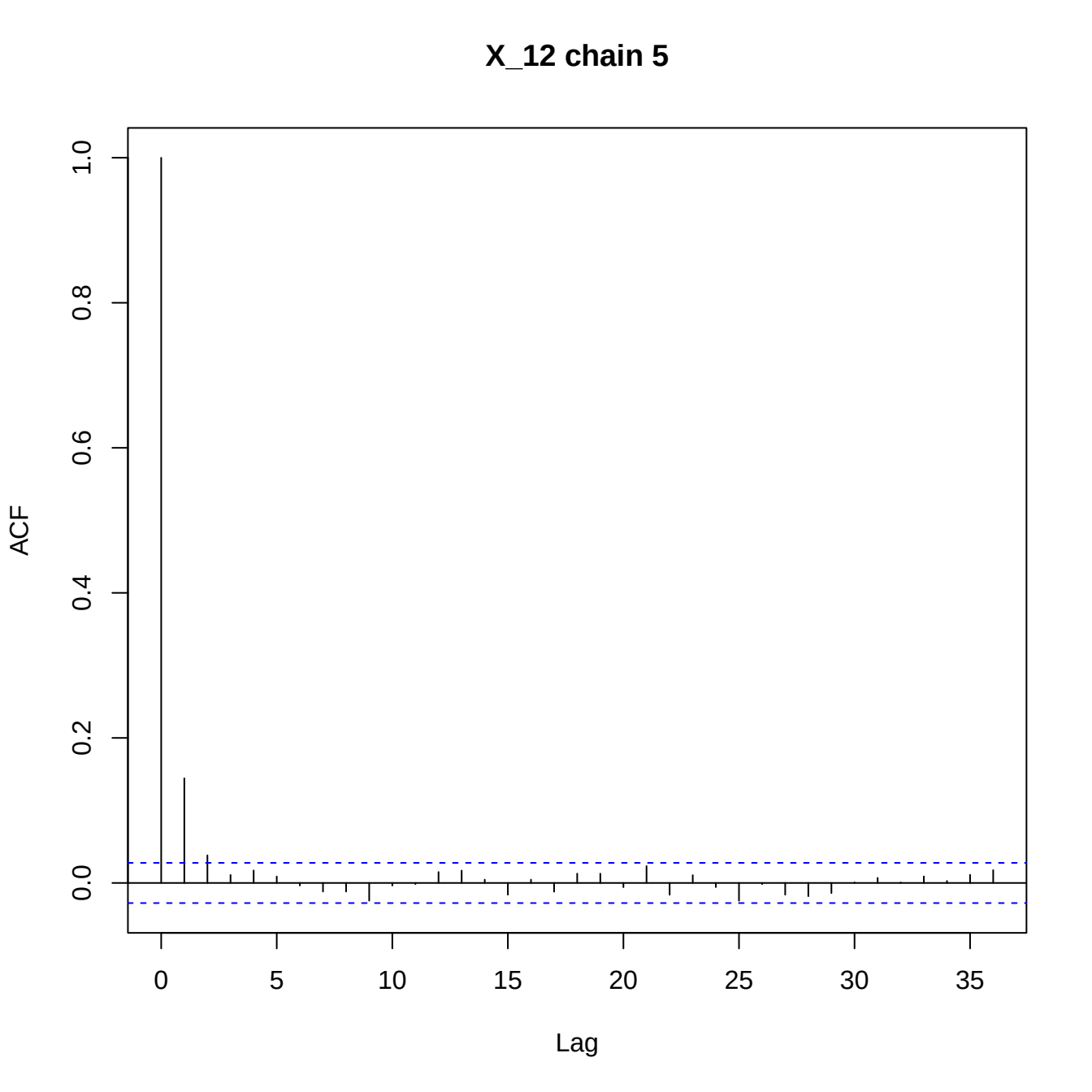
X_12 chain 5
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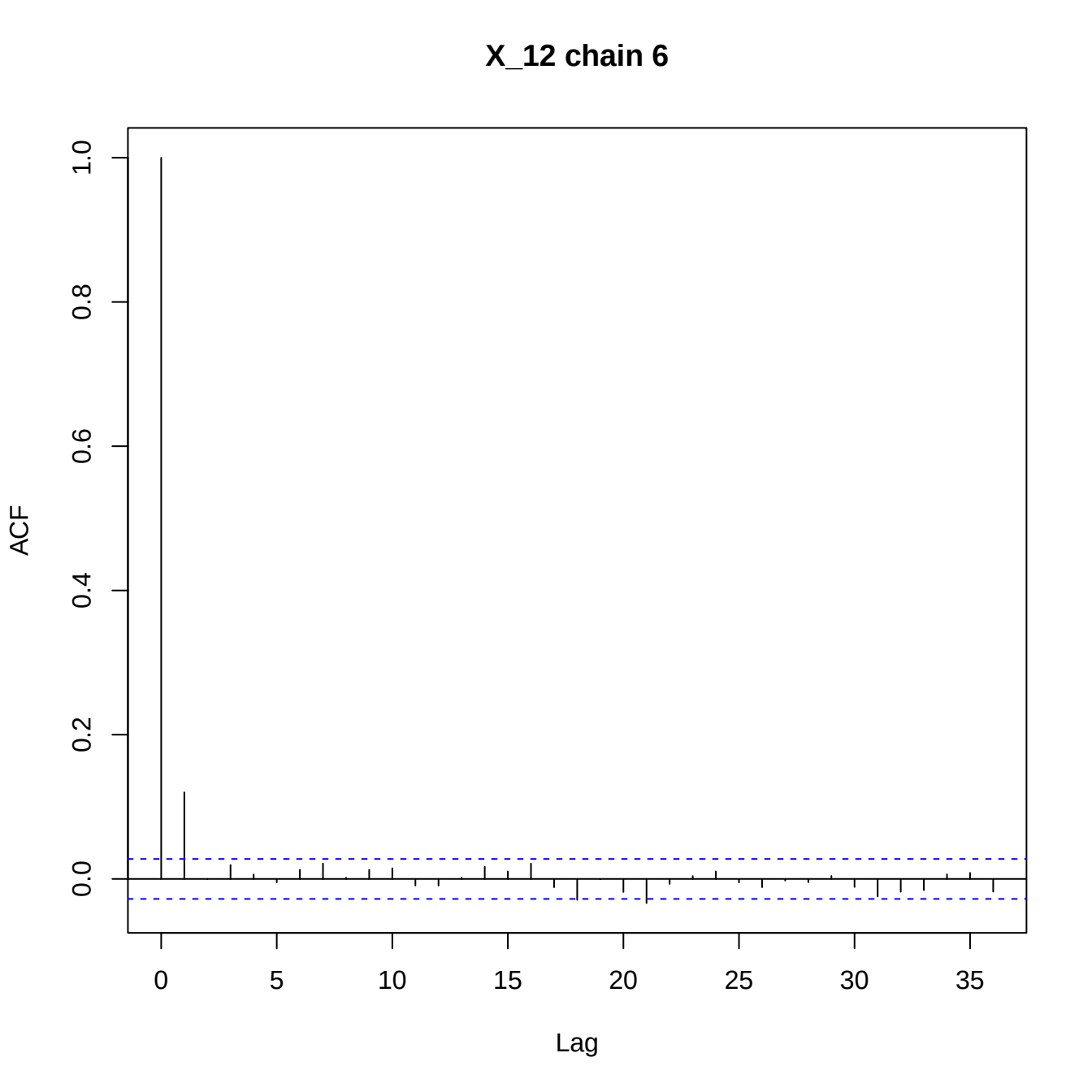
Lag


X_12 chain 6
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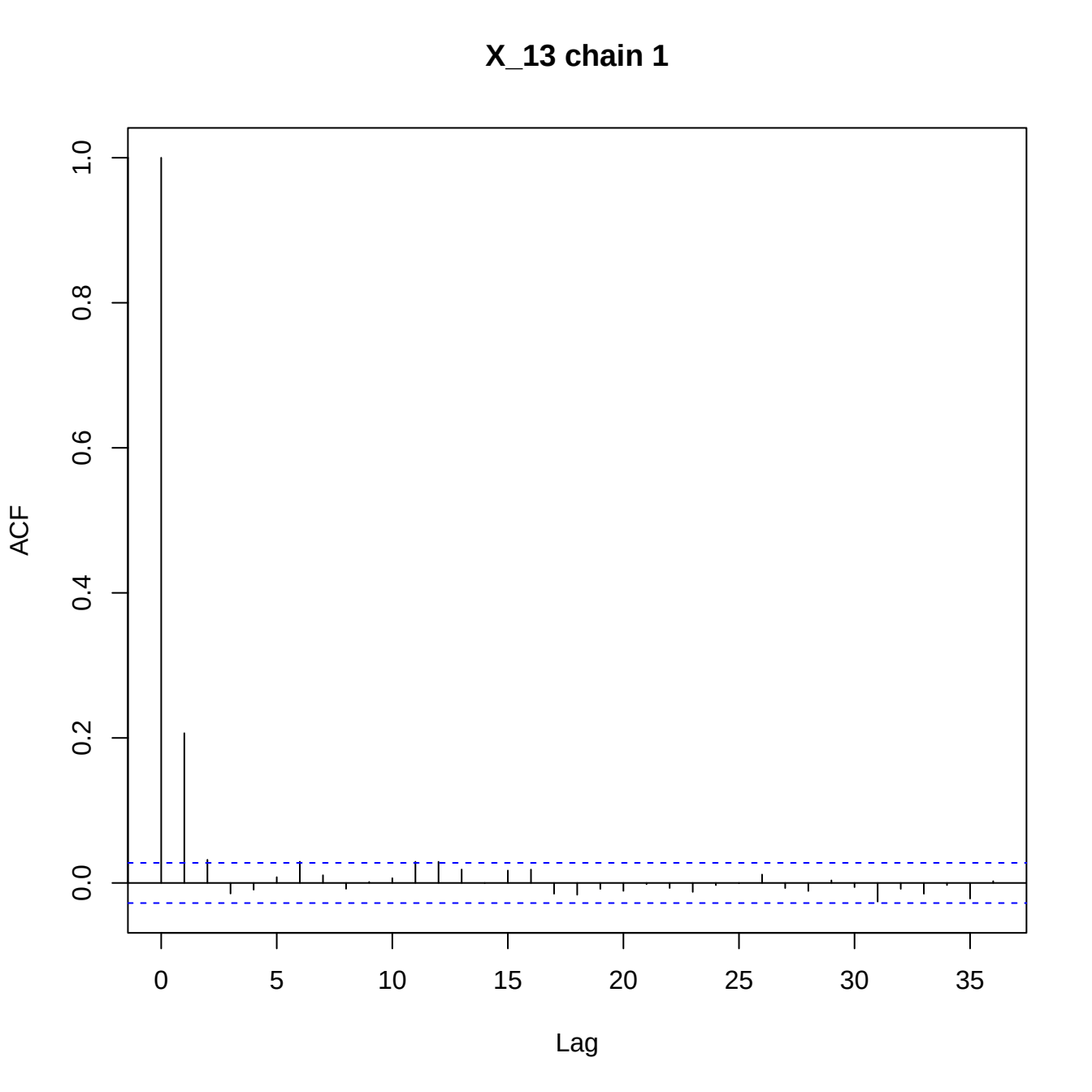
Lag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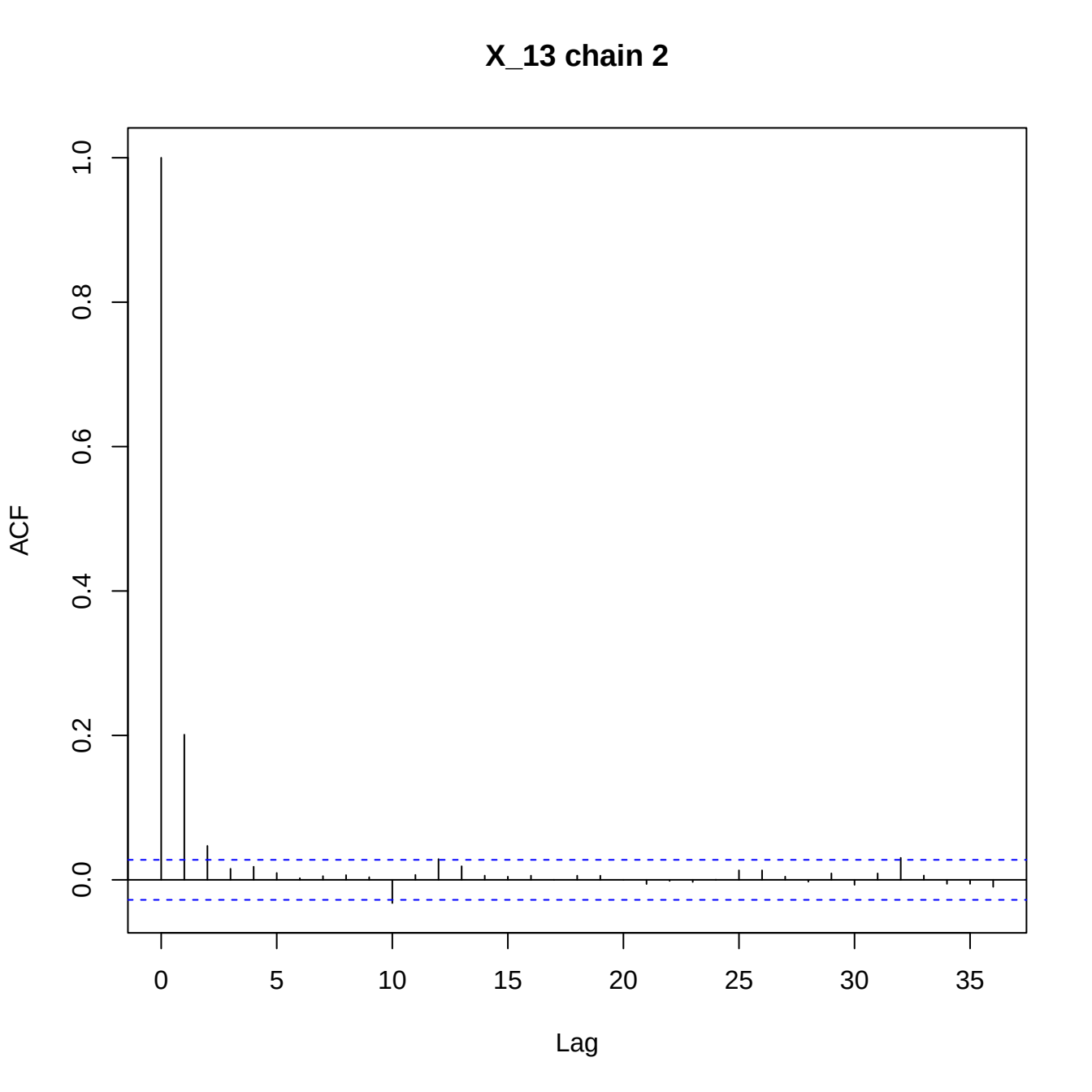
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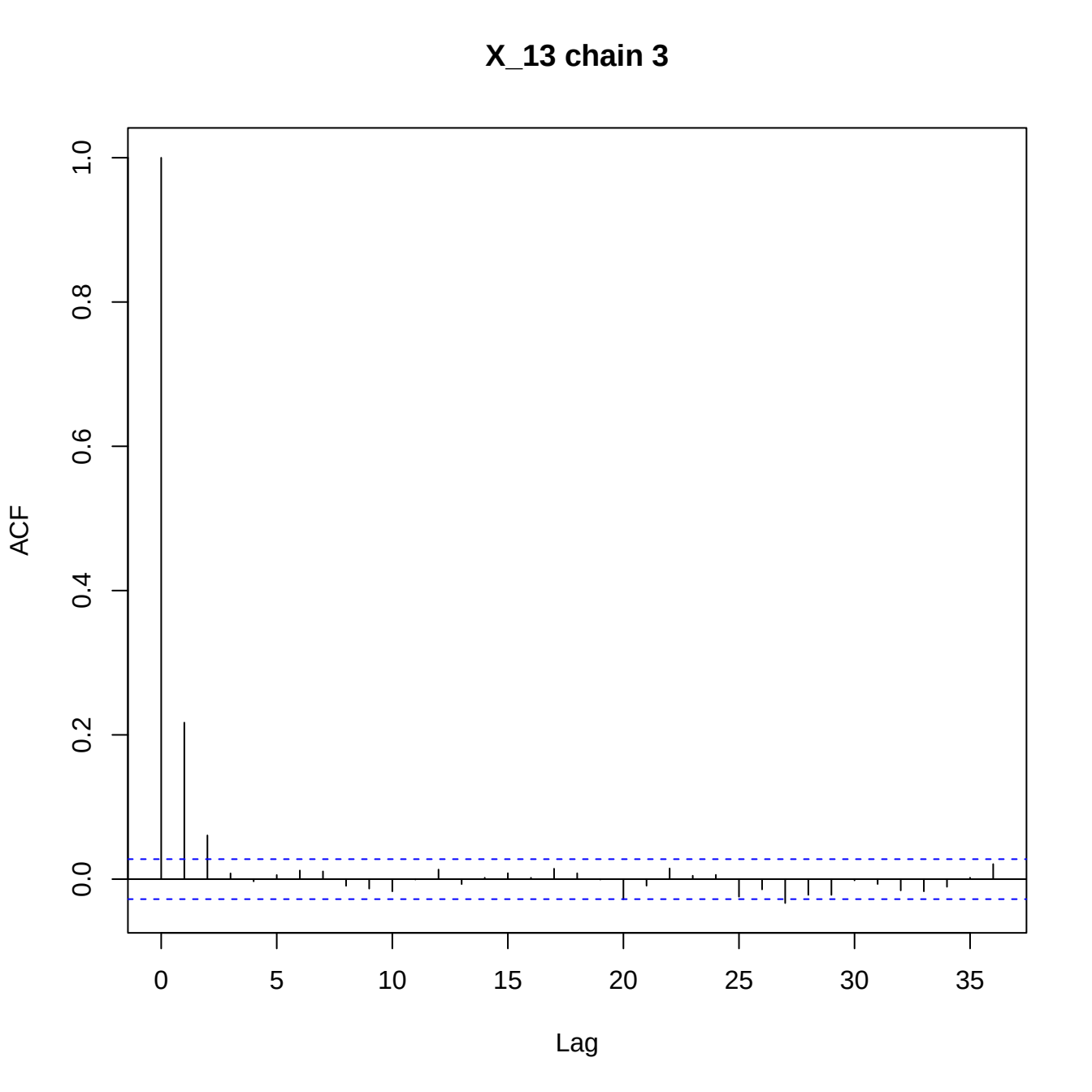
X_13 chain 3
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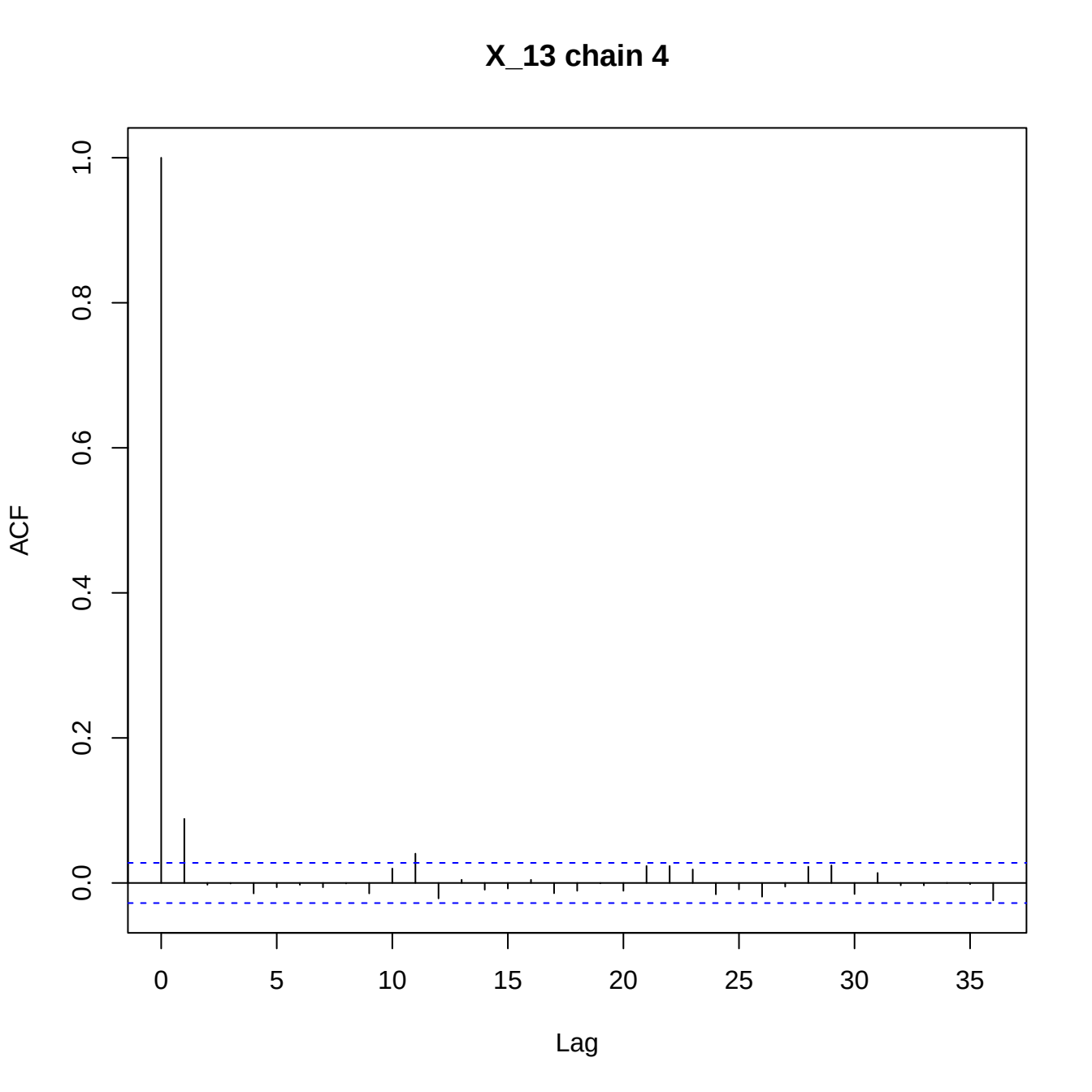
Lag


X_13 chain 4
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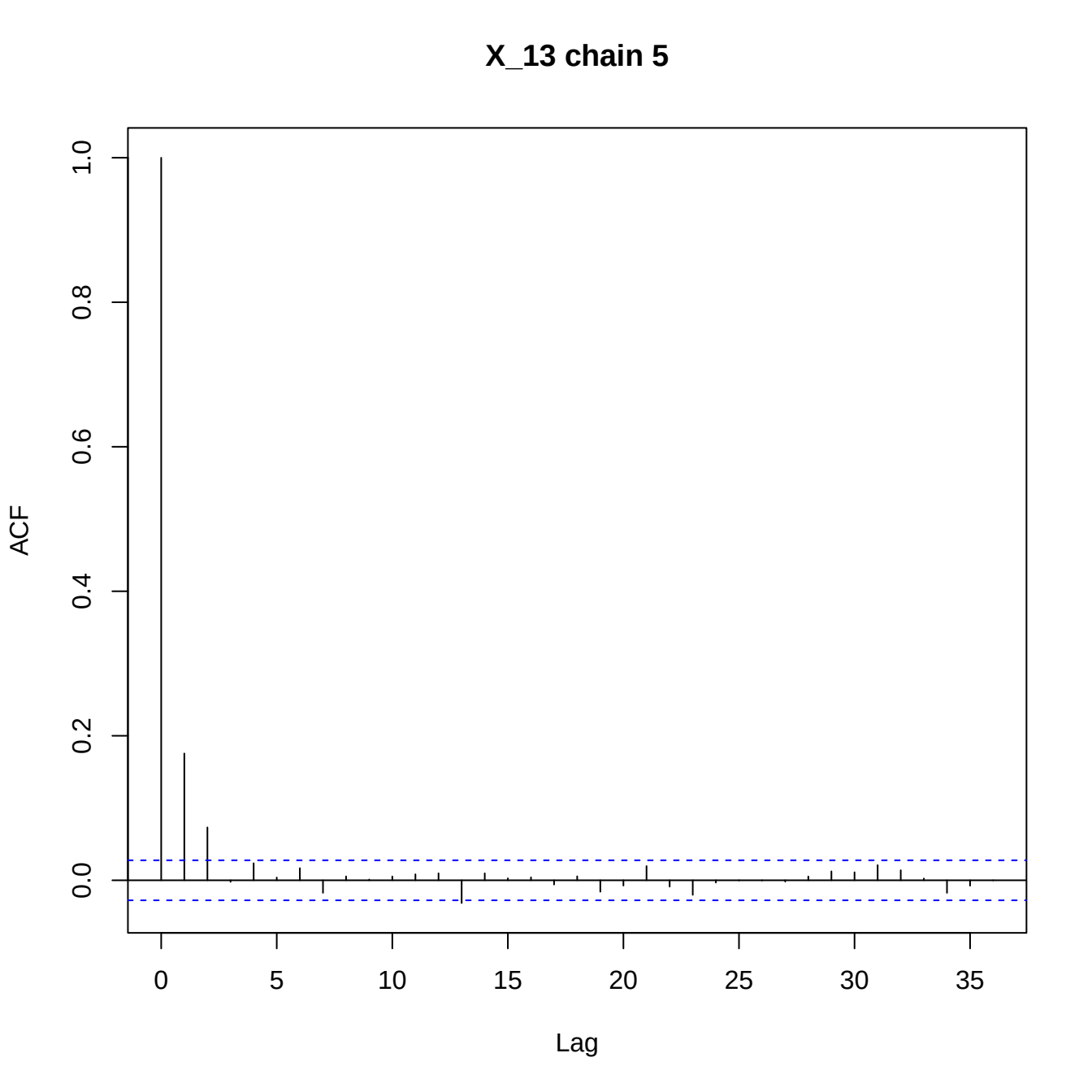
X_13 chain 5
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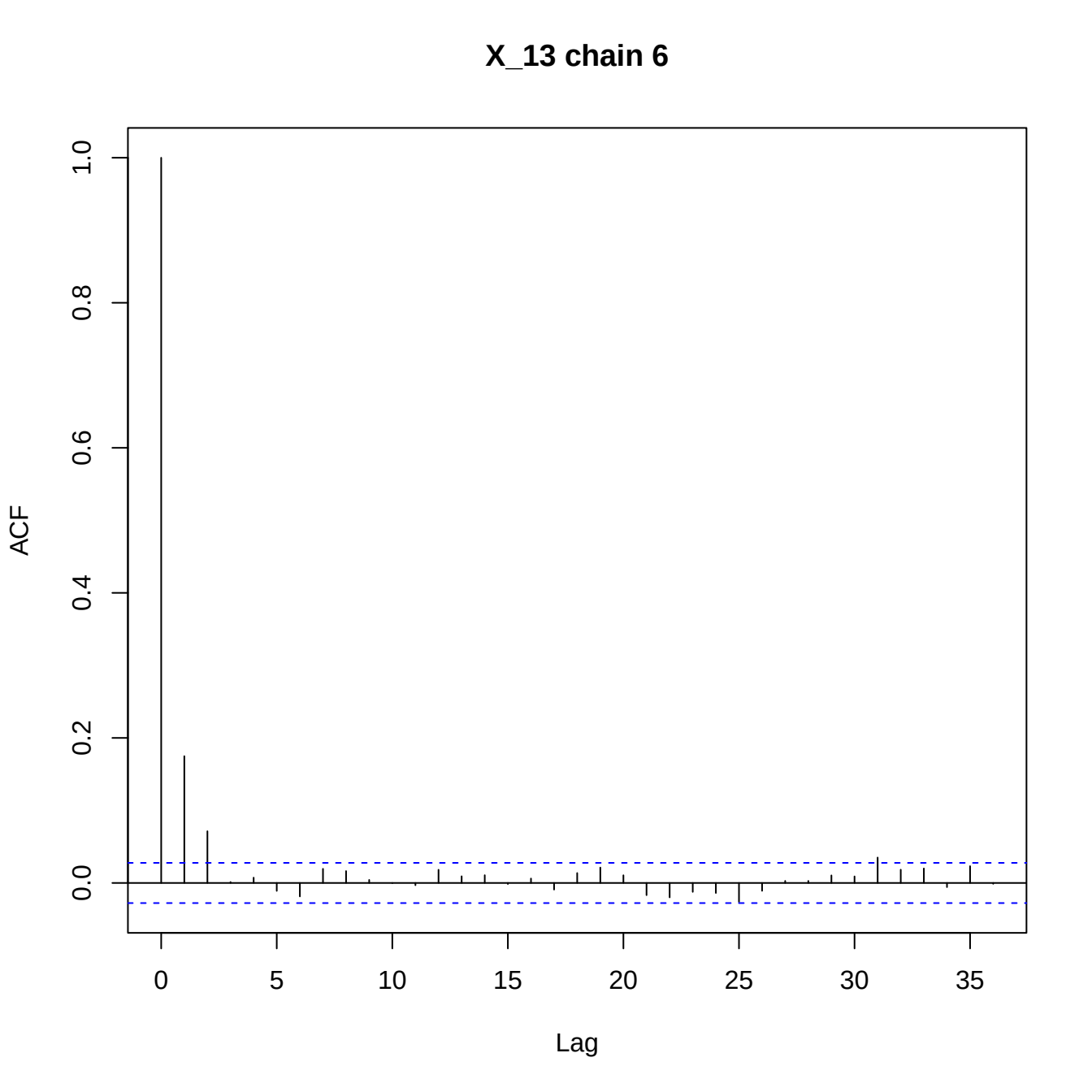
X_13 chain 6
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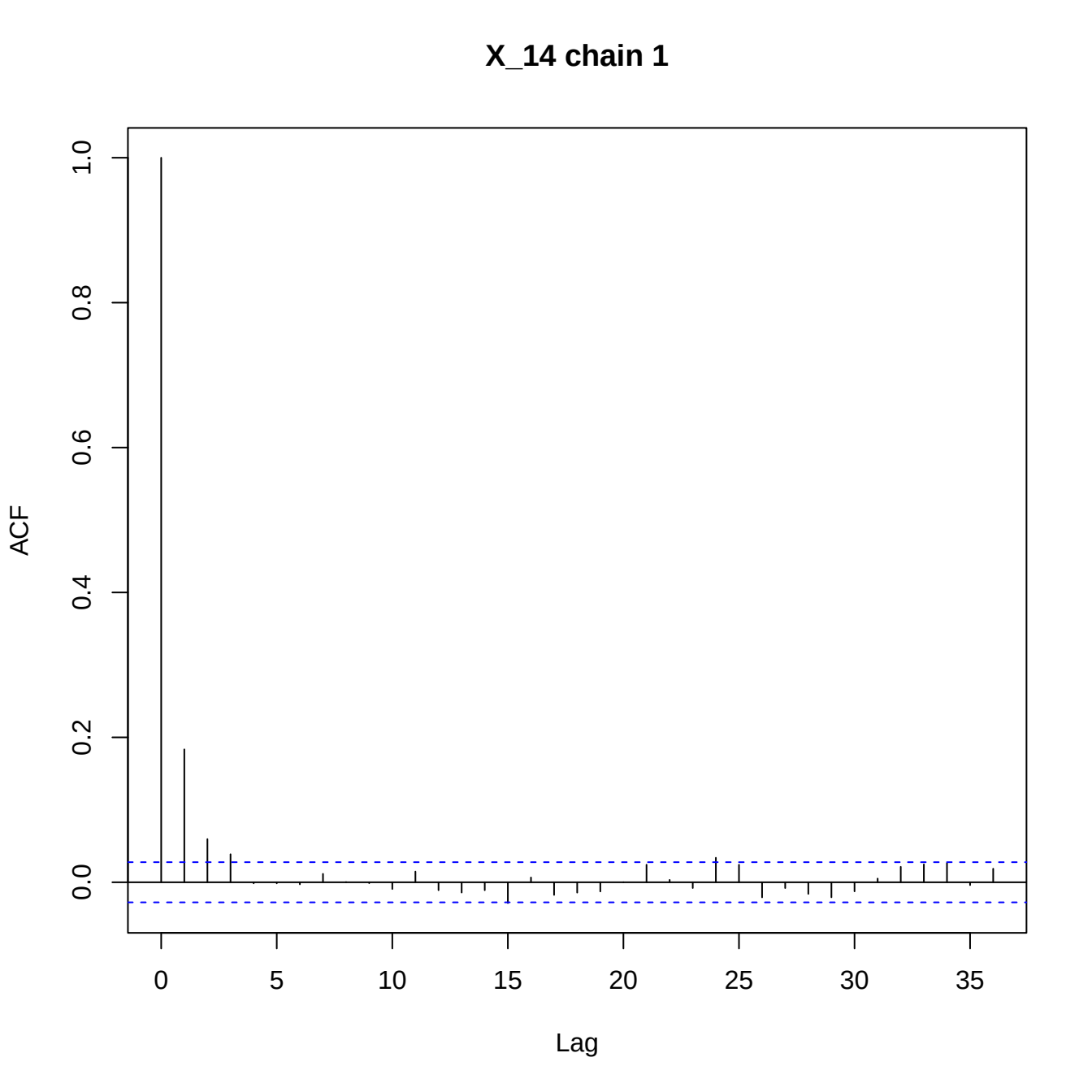
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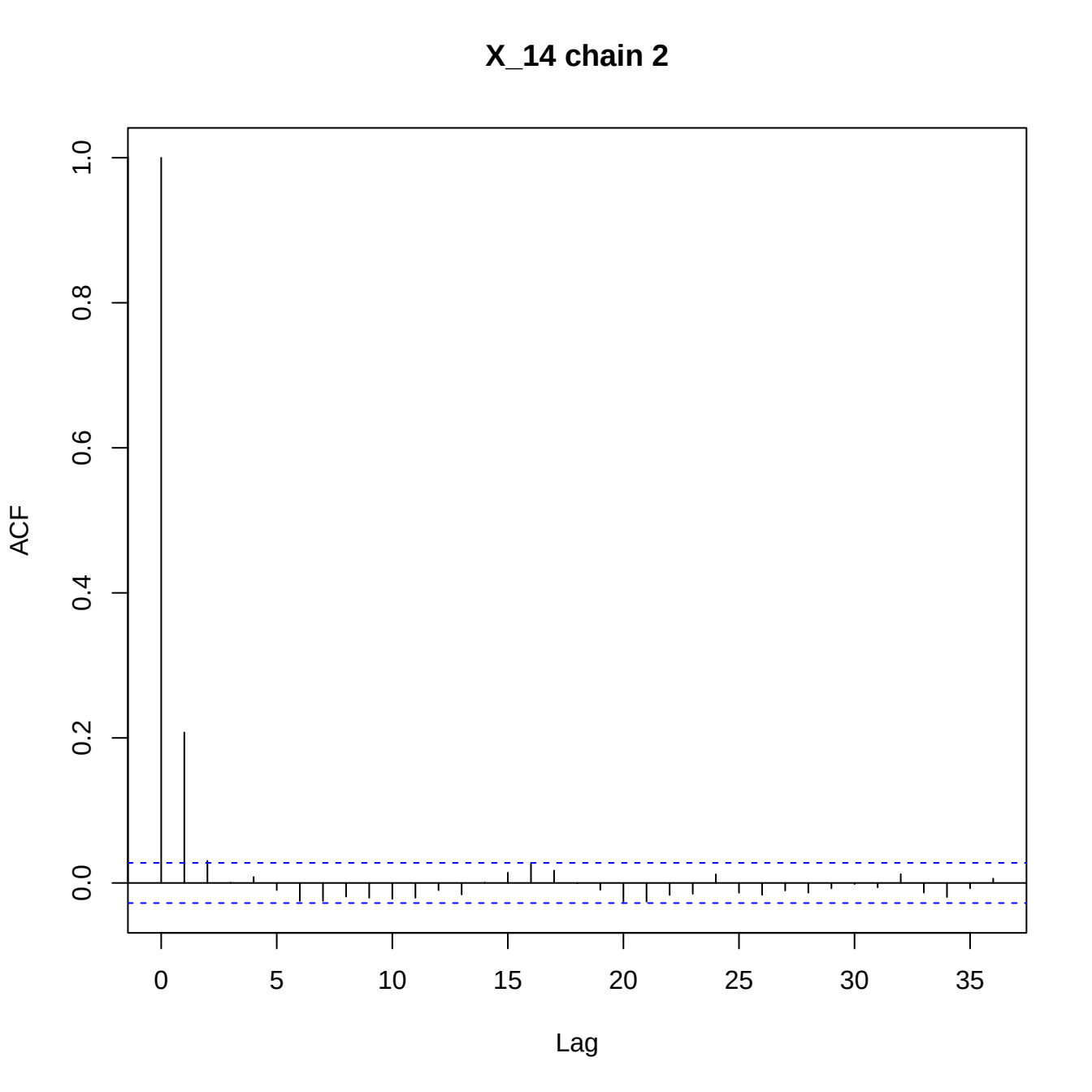
X_14 chain 2
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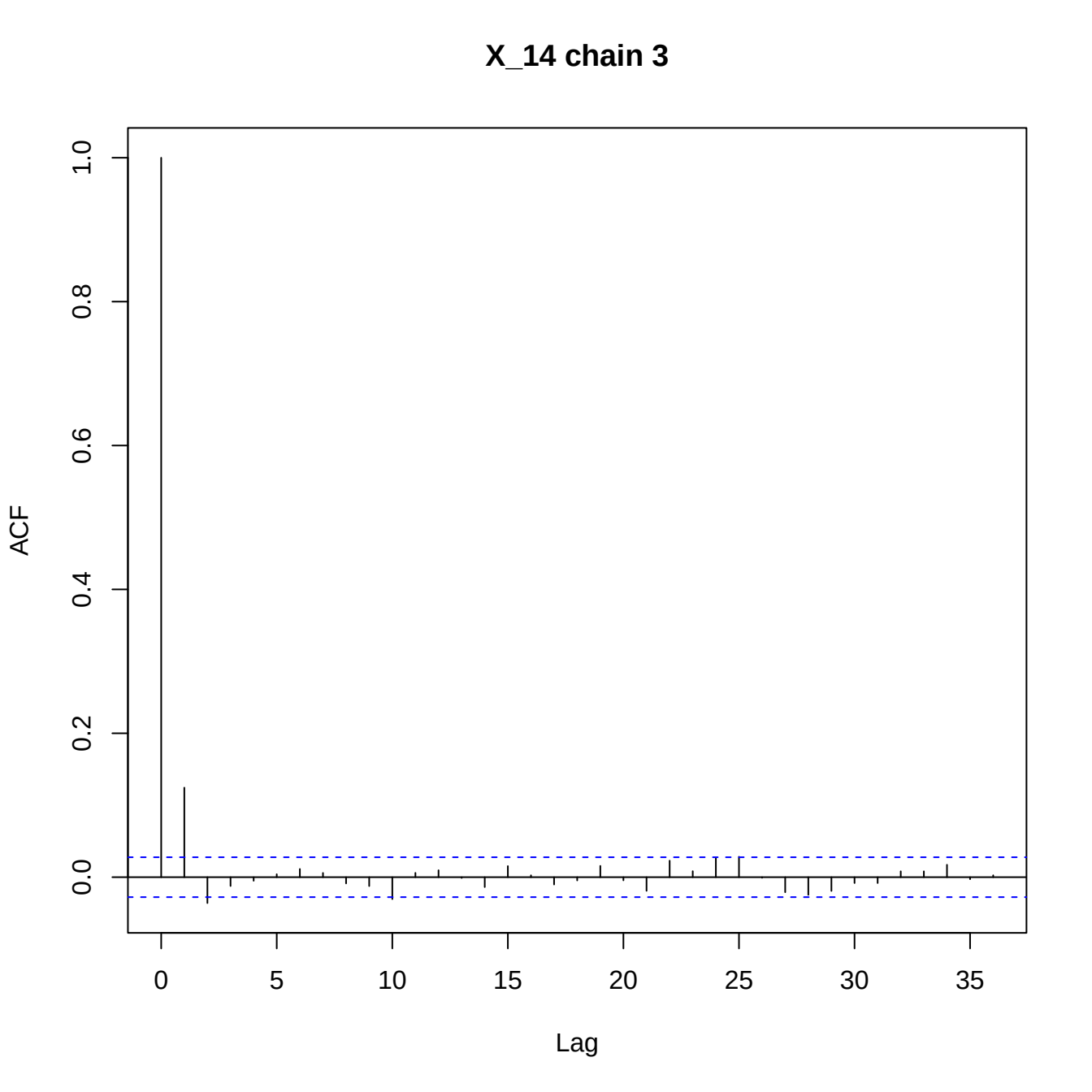
X_14 chain 3
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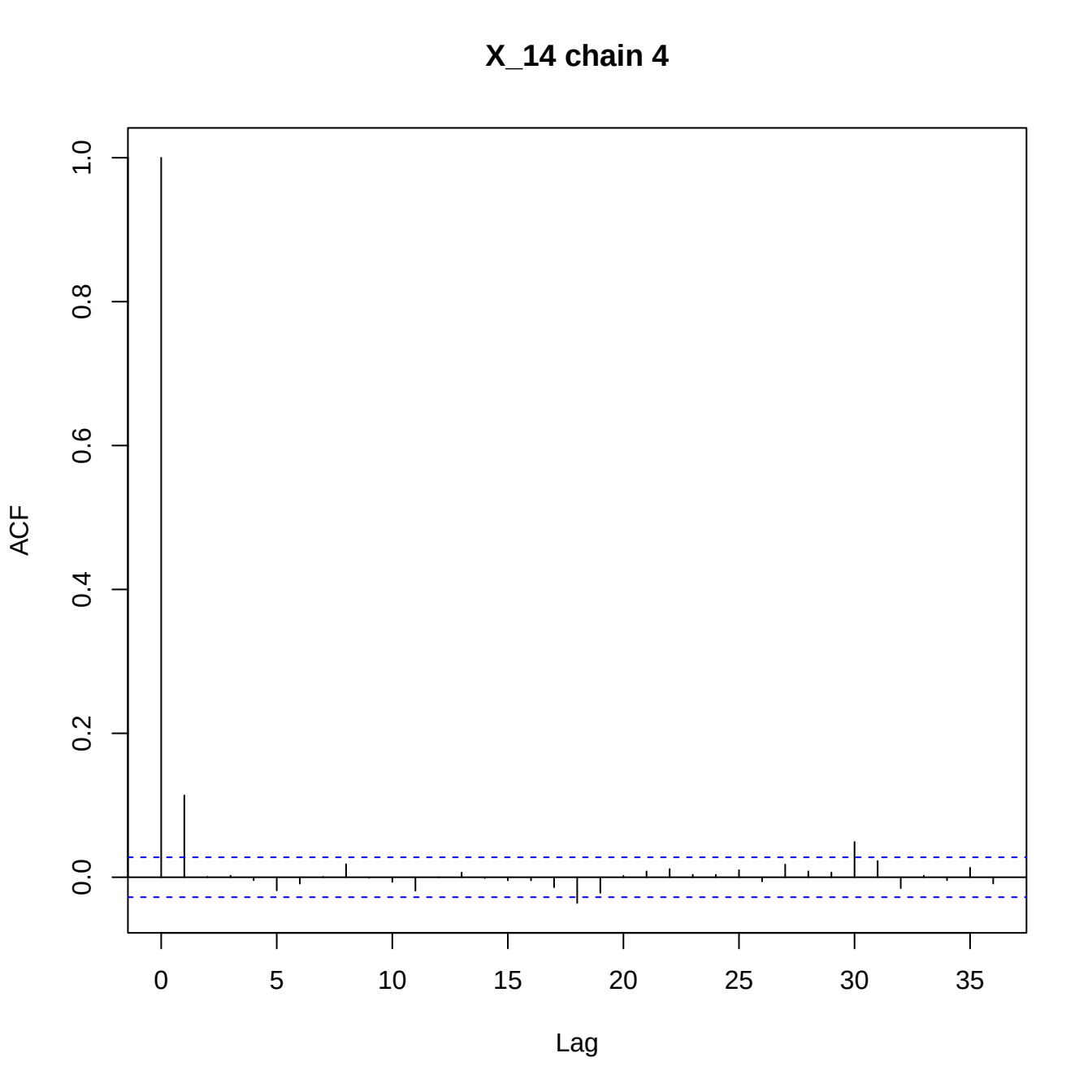
X_14 chain 4
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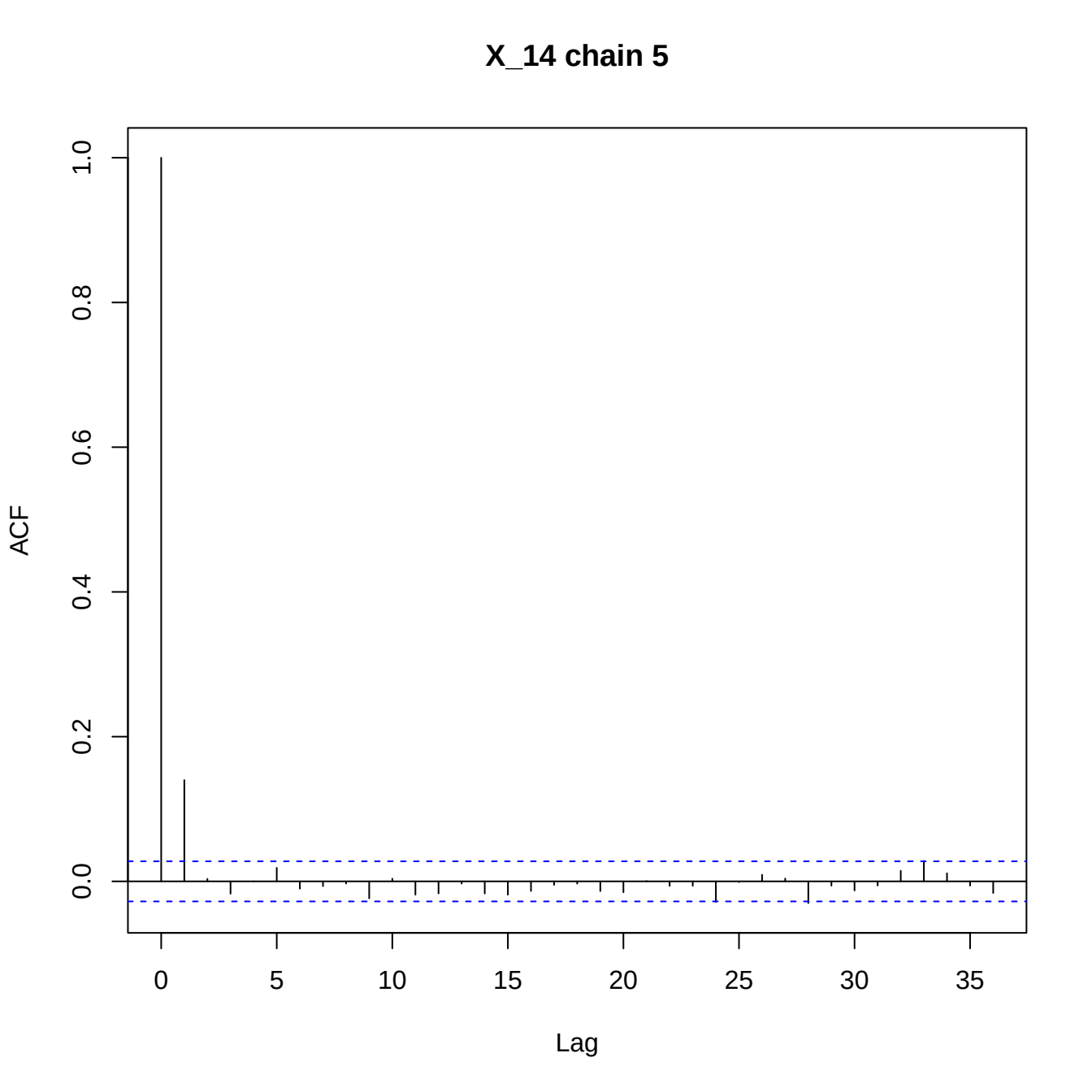
Lag


X_14 chain 5
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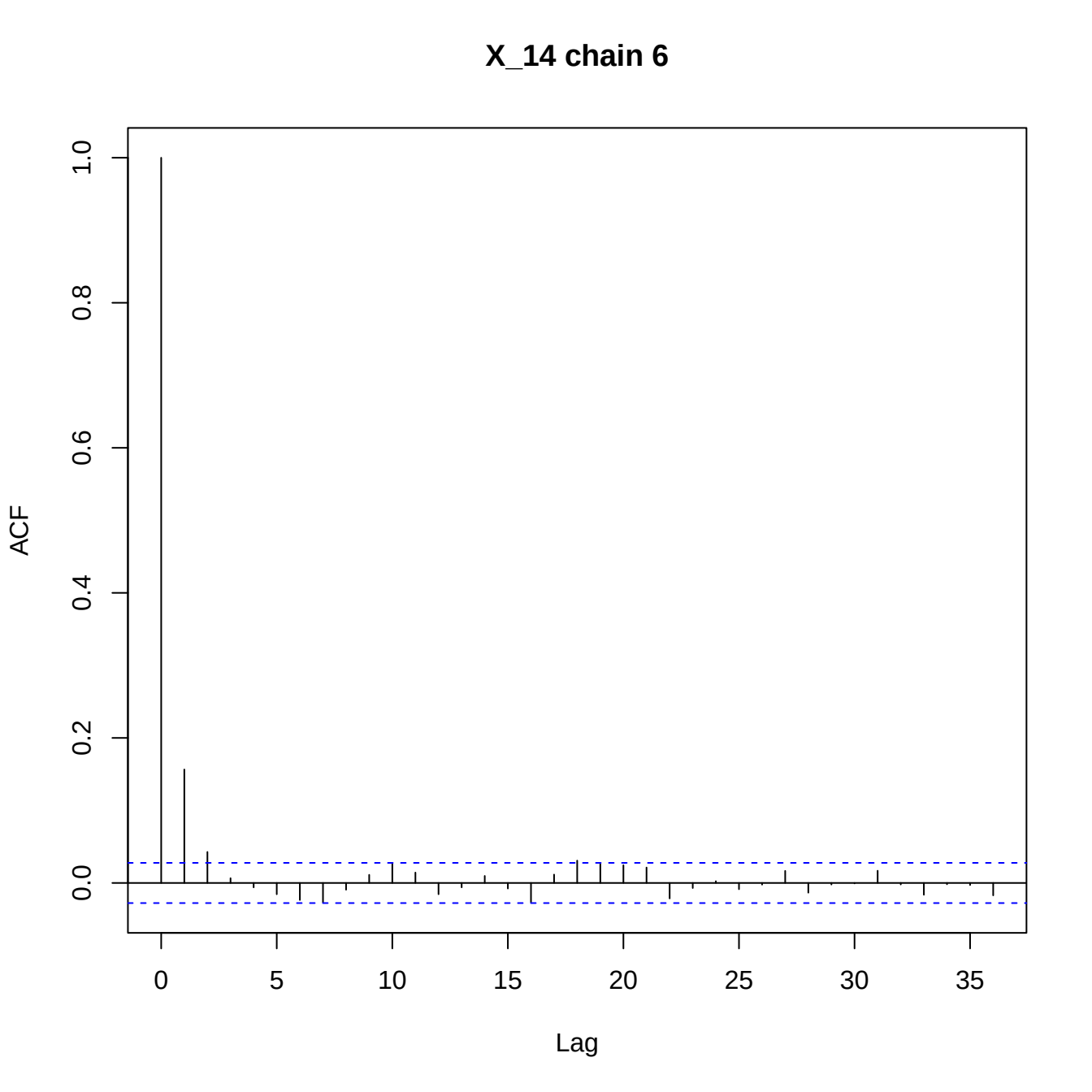
Lag


X_14 chain 6
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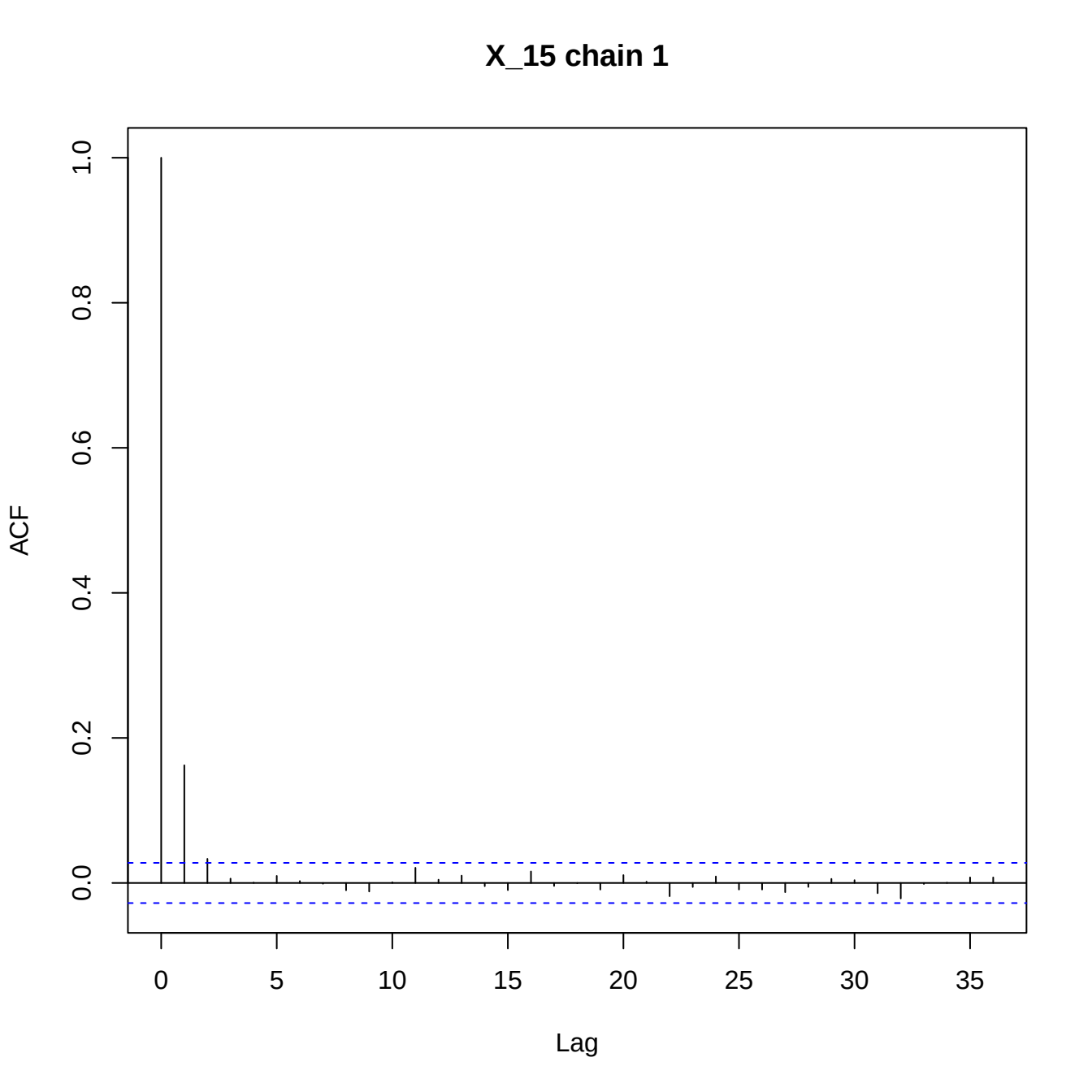
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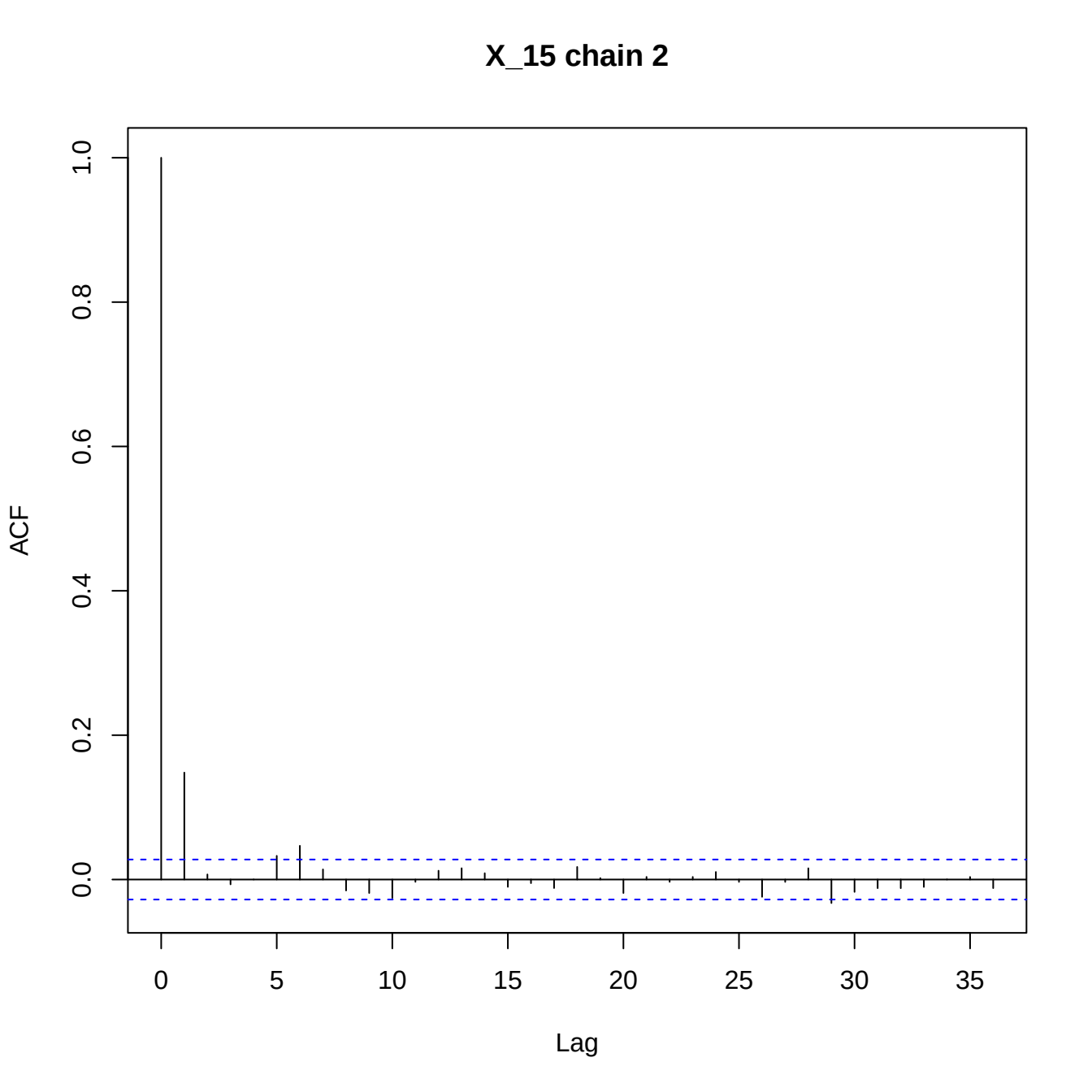
Lag


X_15 chain 2
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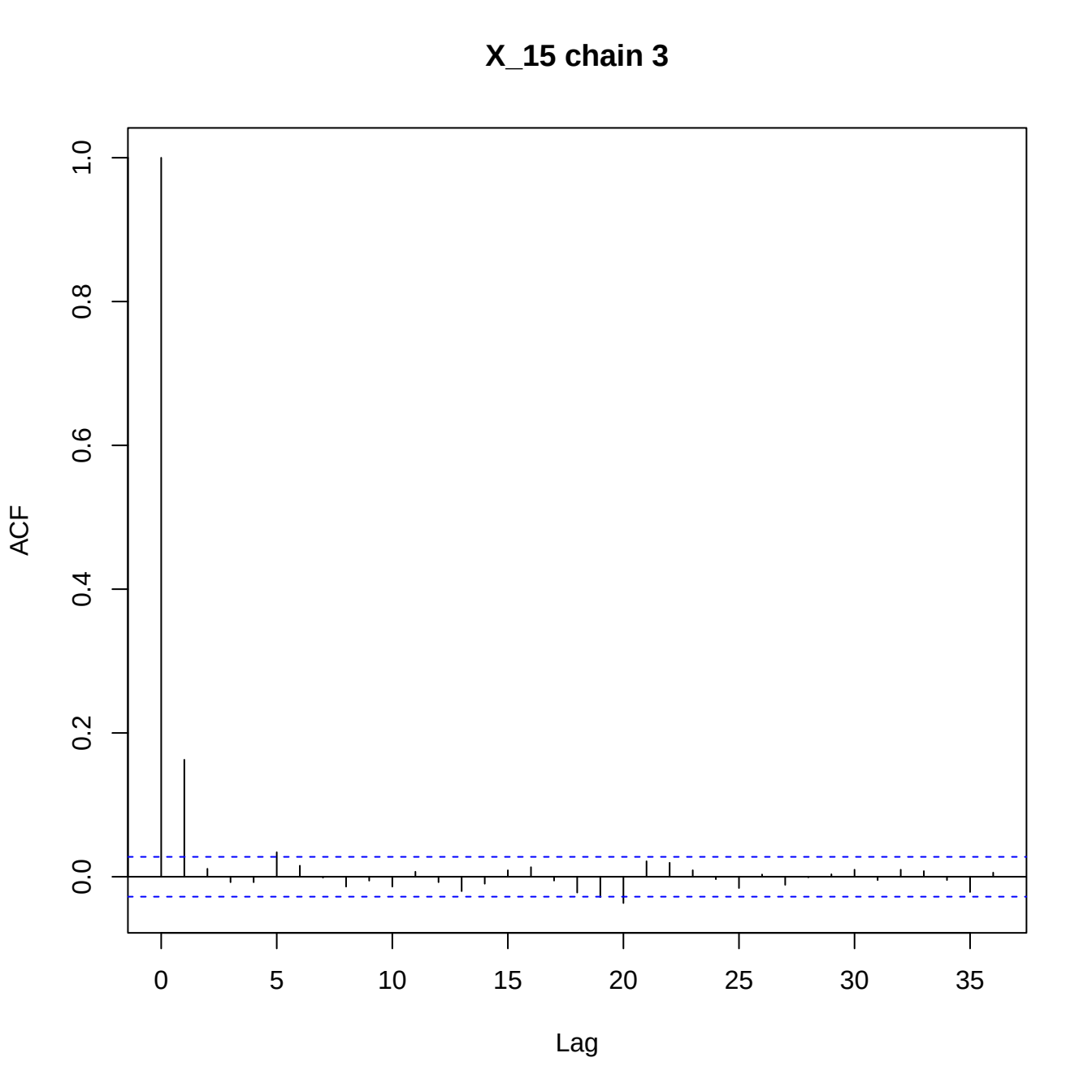
X_15 chain 3
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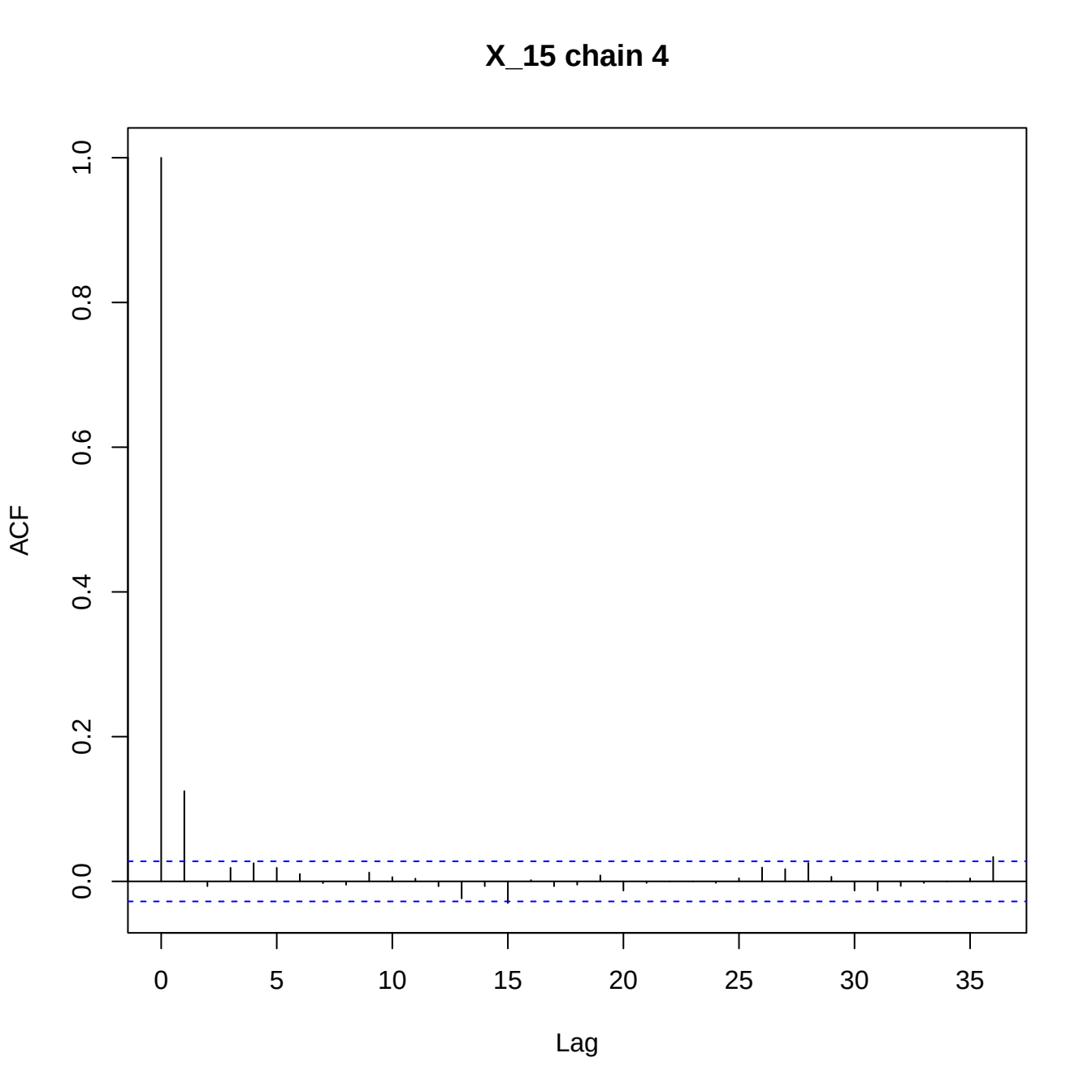
Lag


X_15 chain 4
ACF
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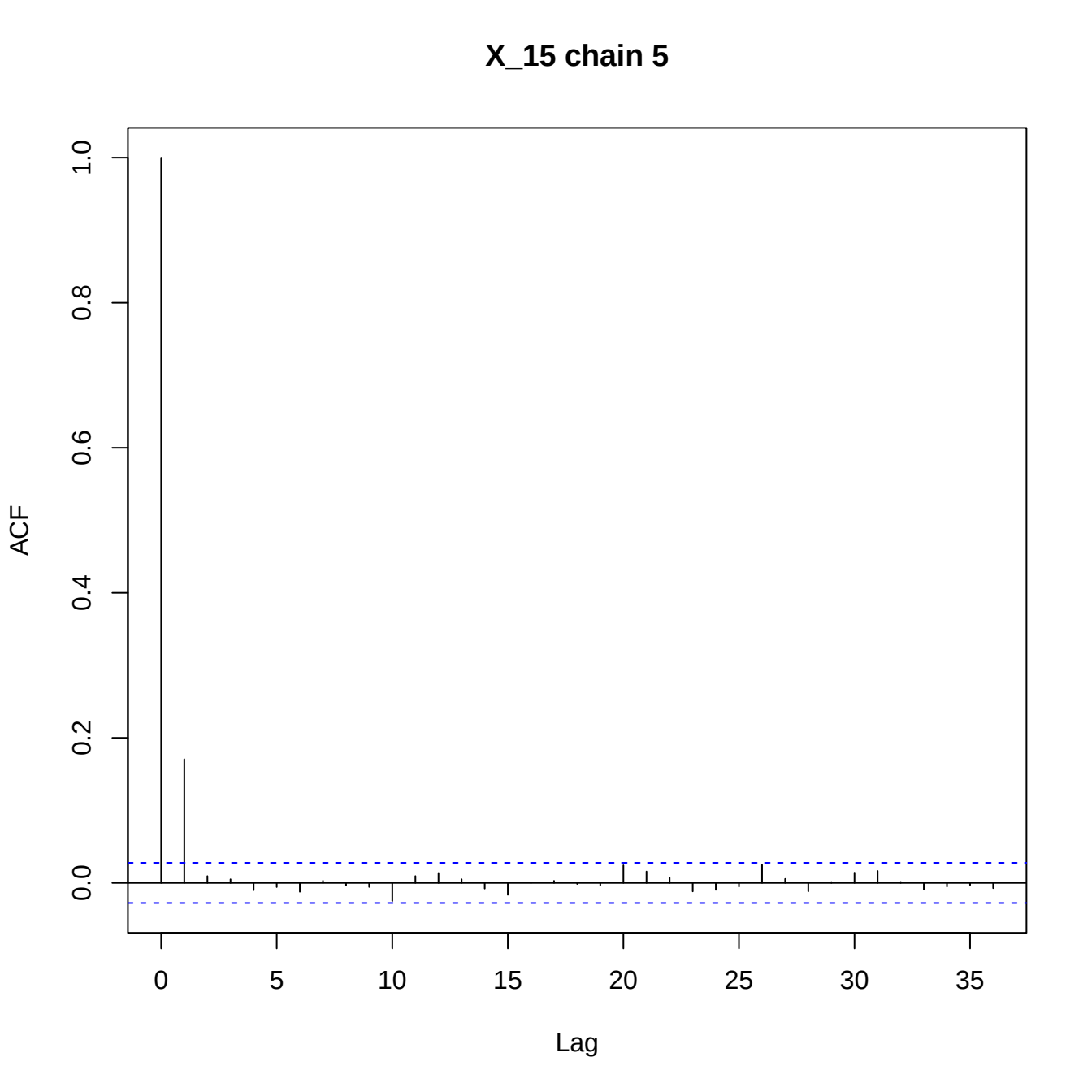
Lag


X_15 chain 5
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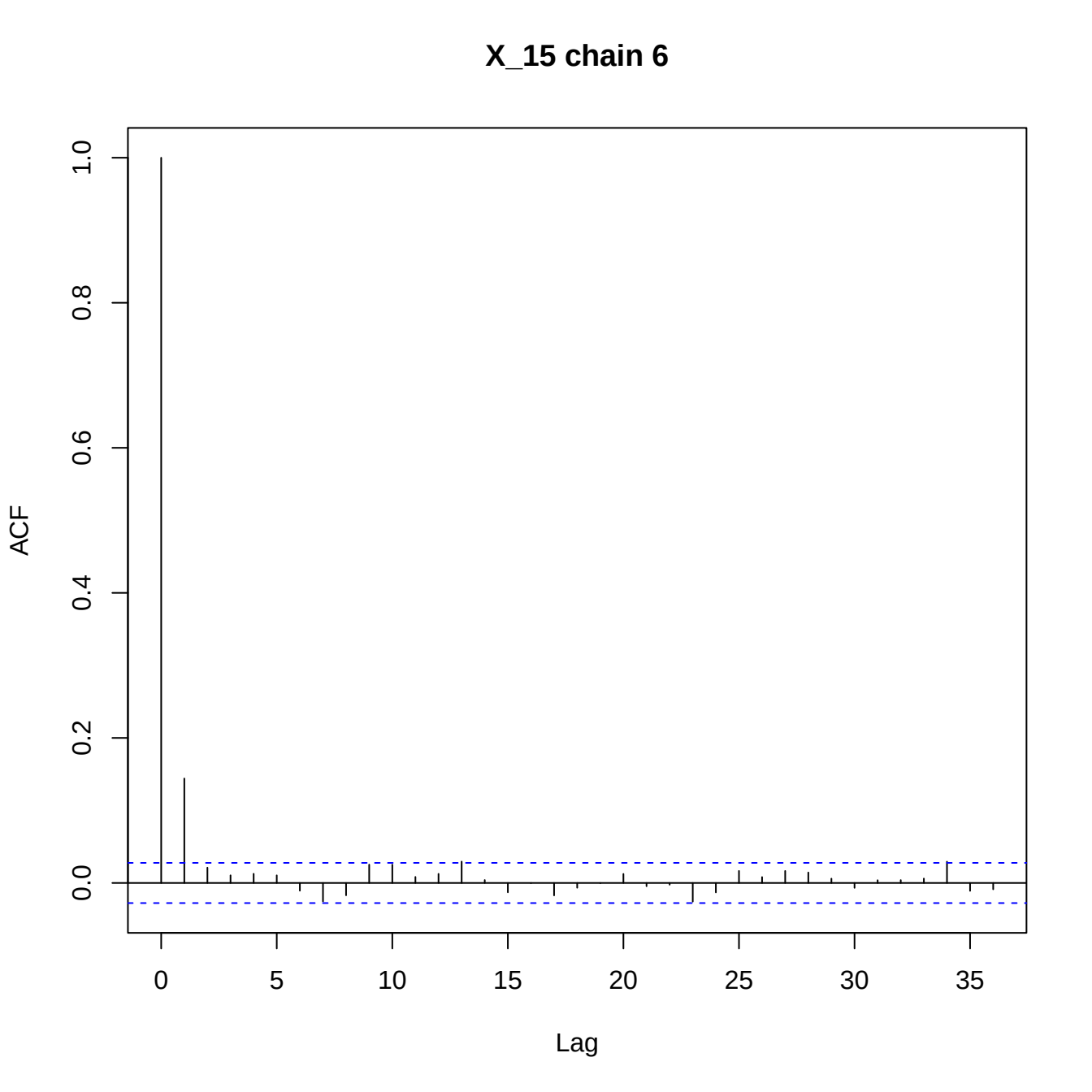
Lag


X_15 chain 6
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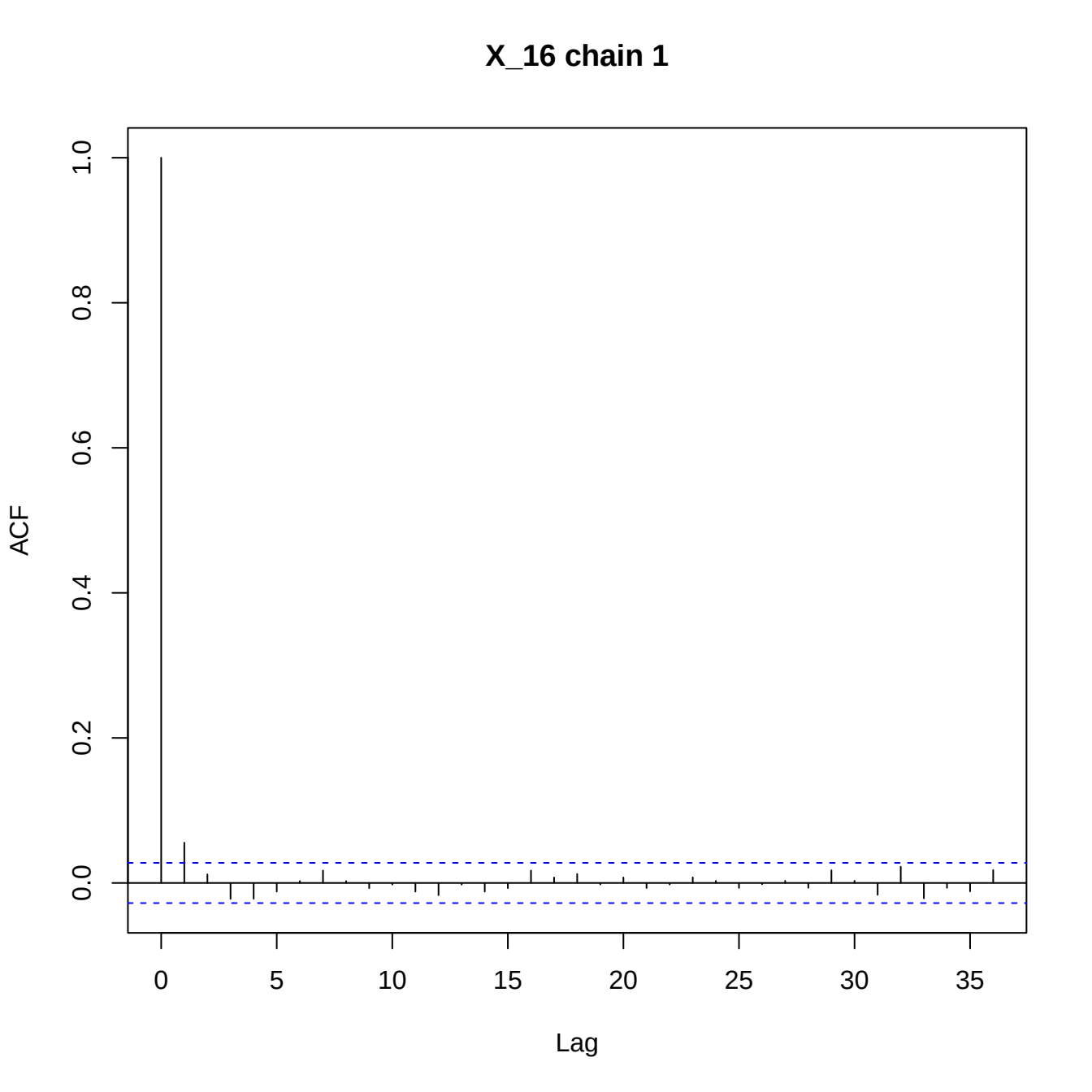
X_16 chain 1
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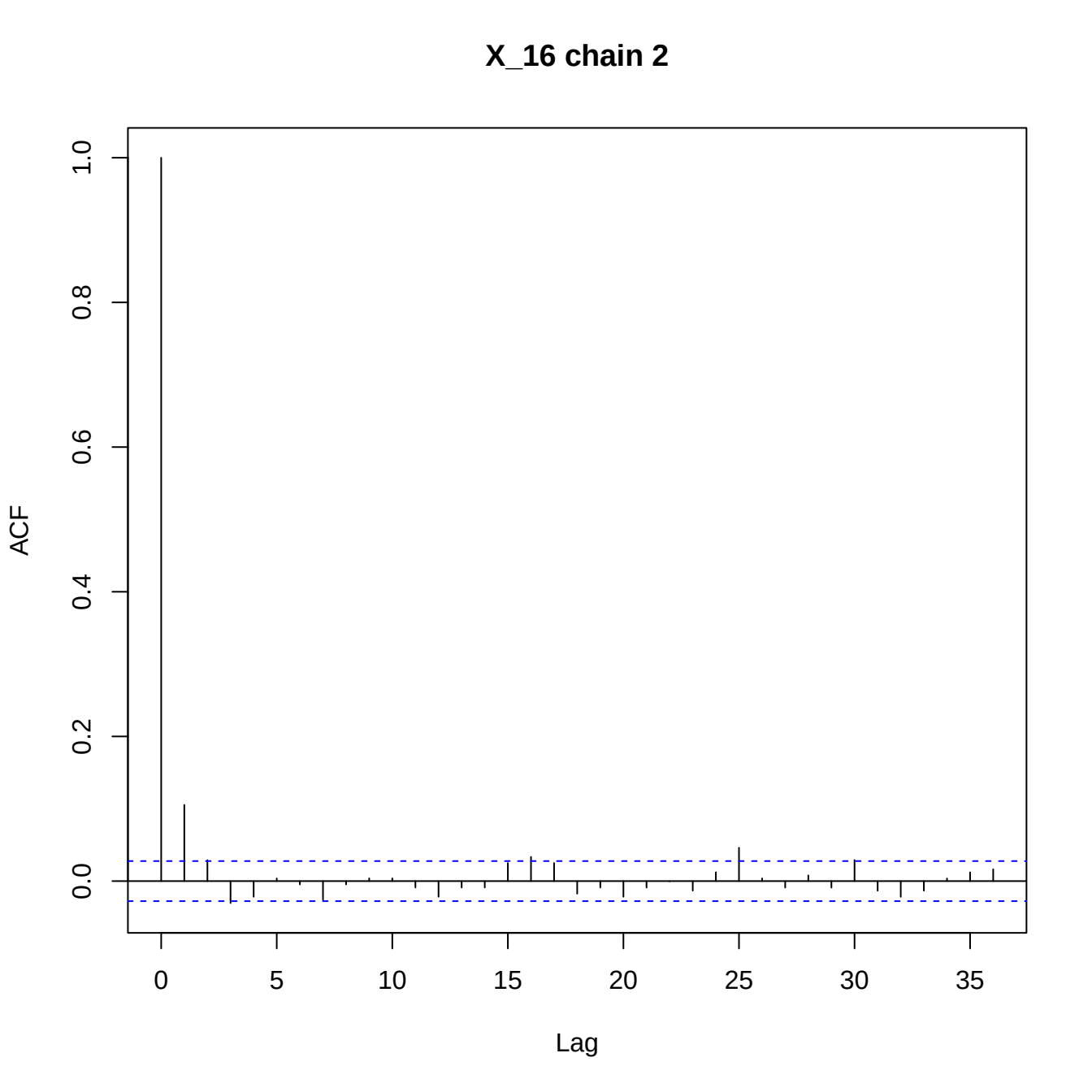
Lag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0.4
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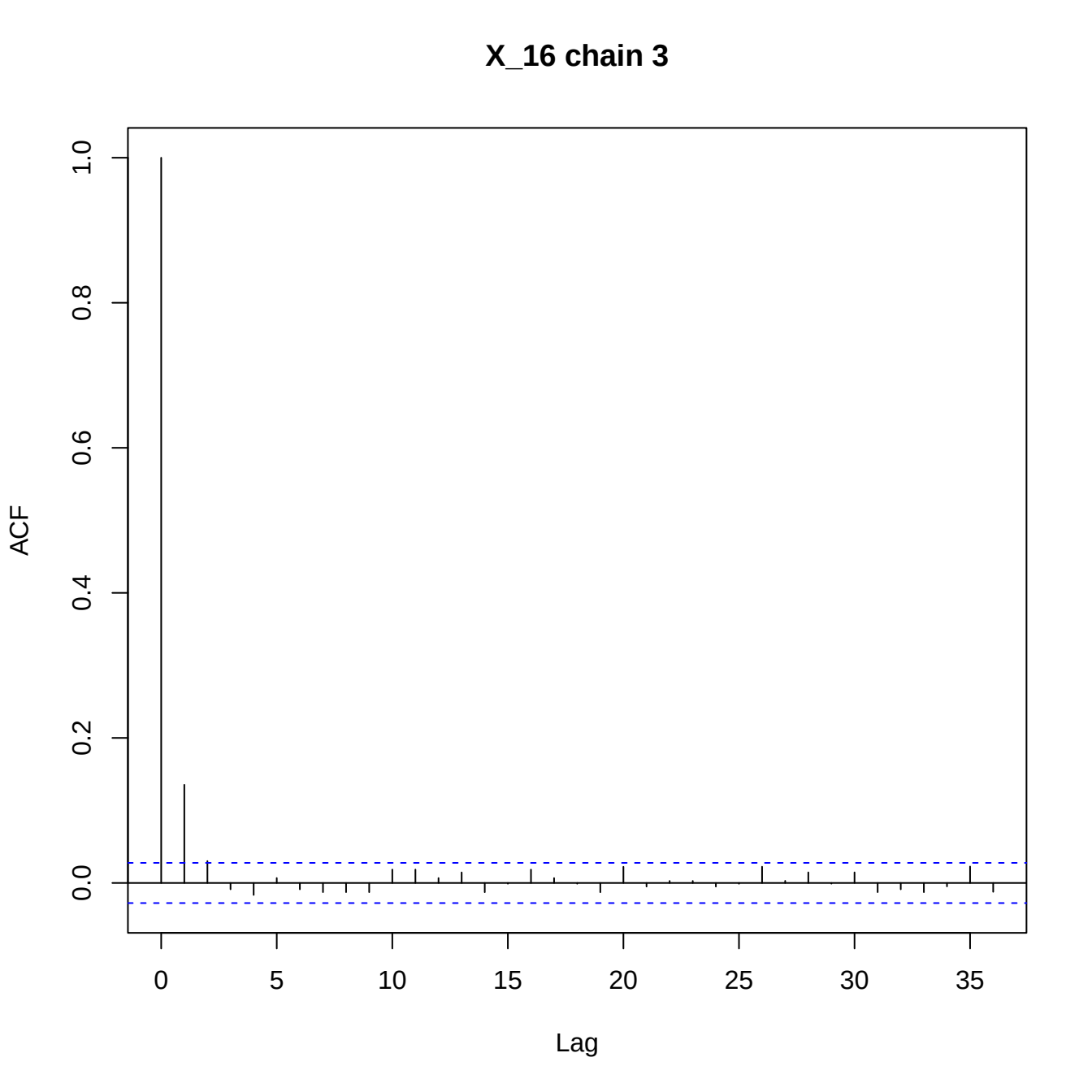
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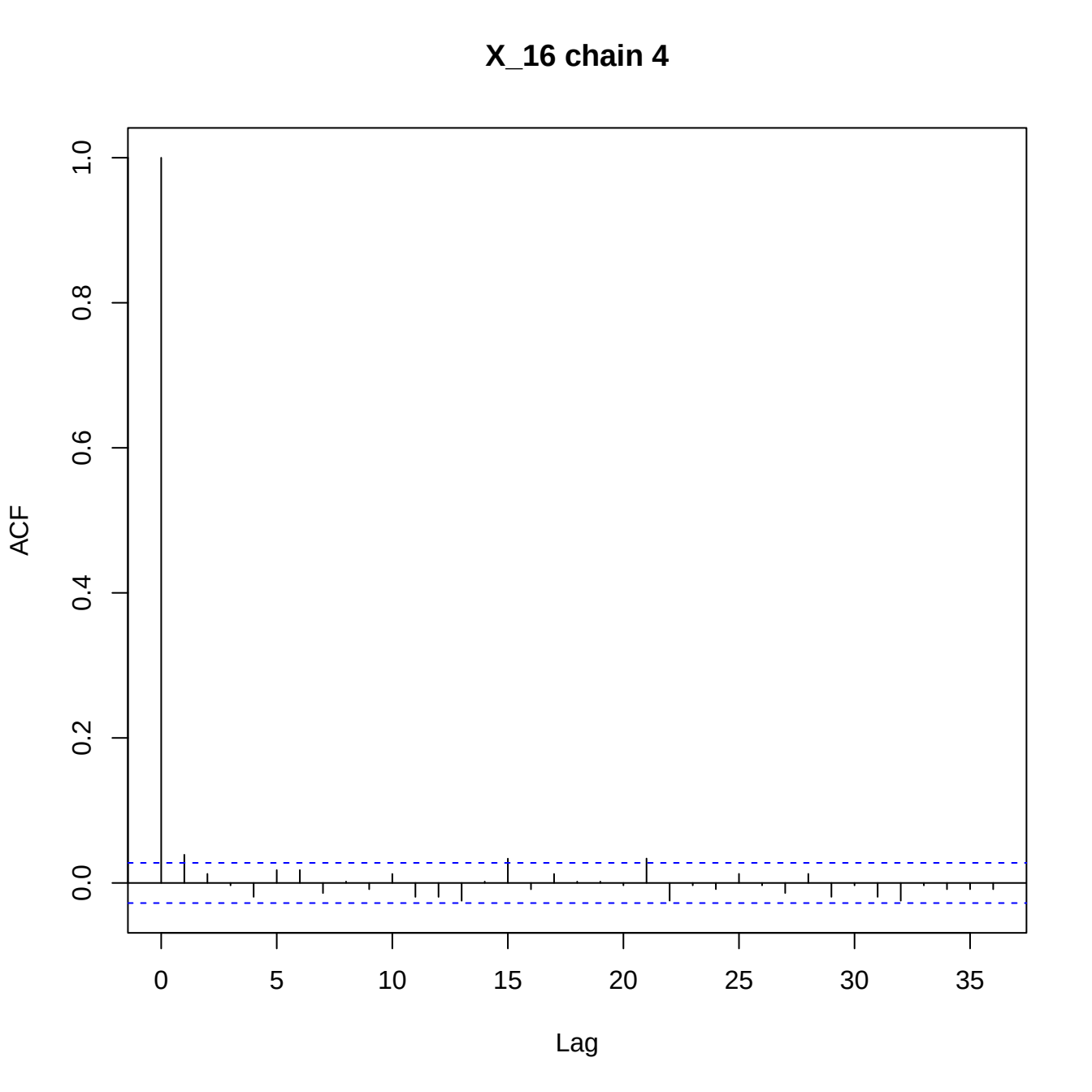
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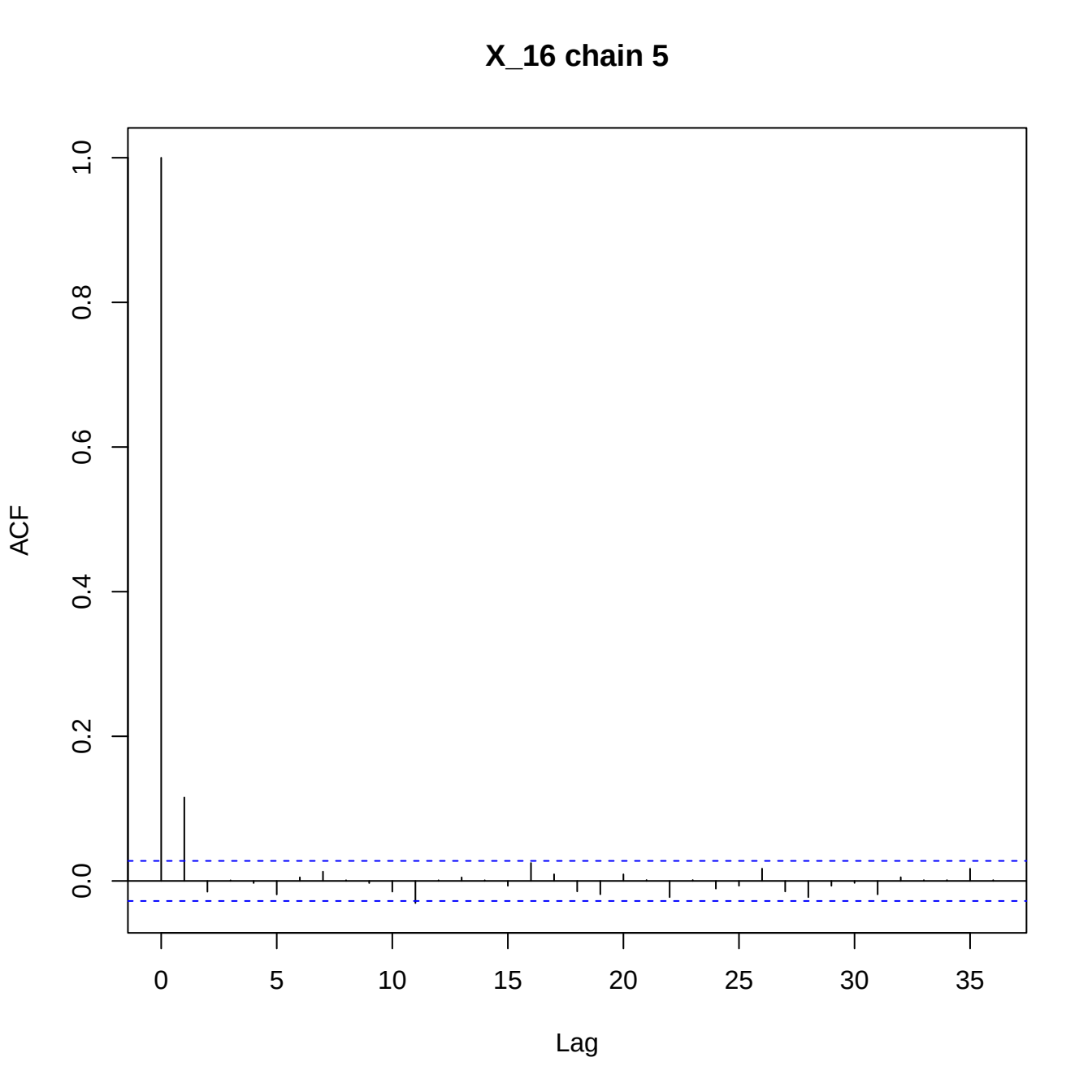
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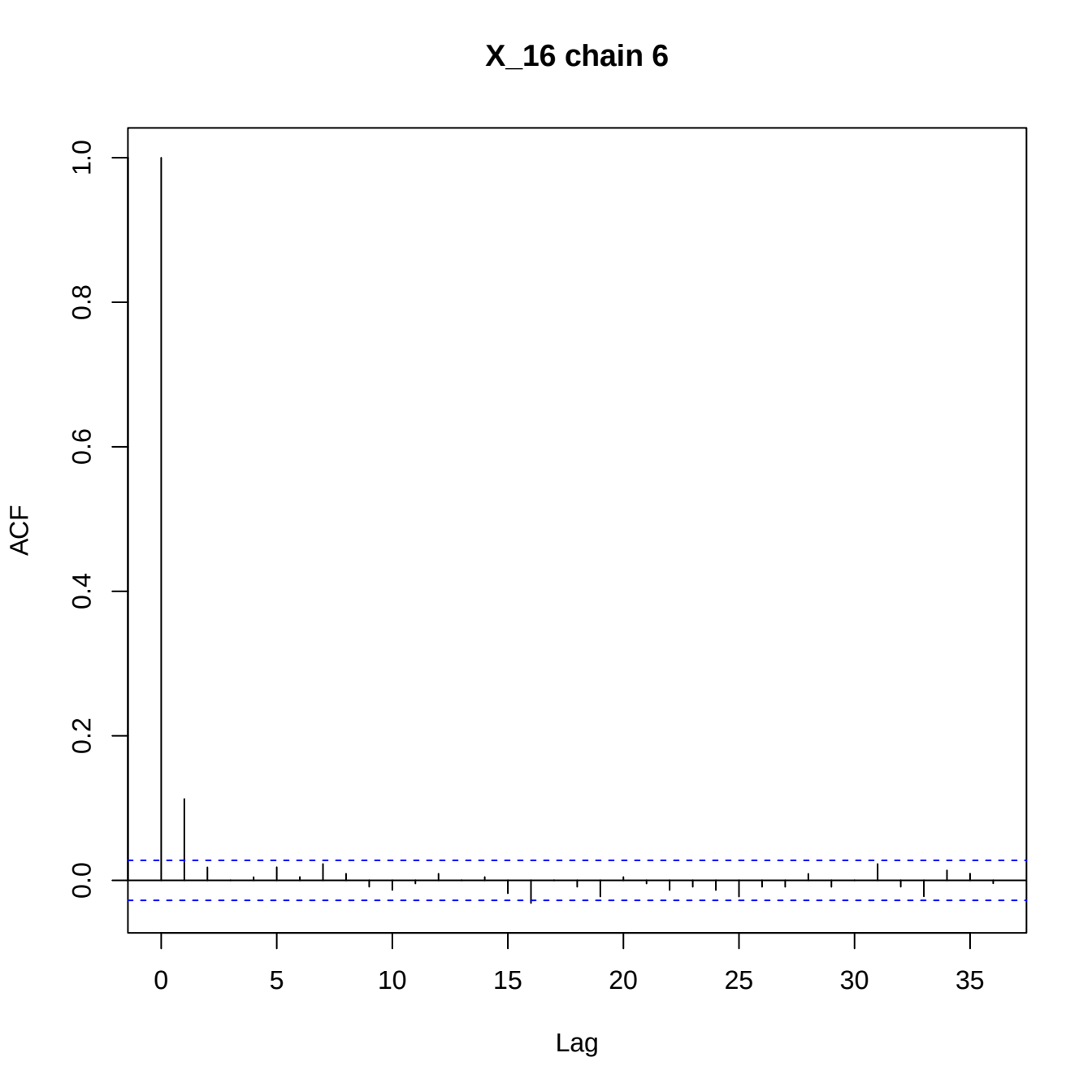
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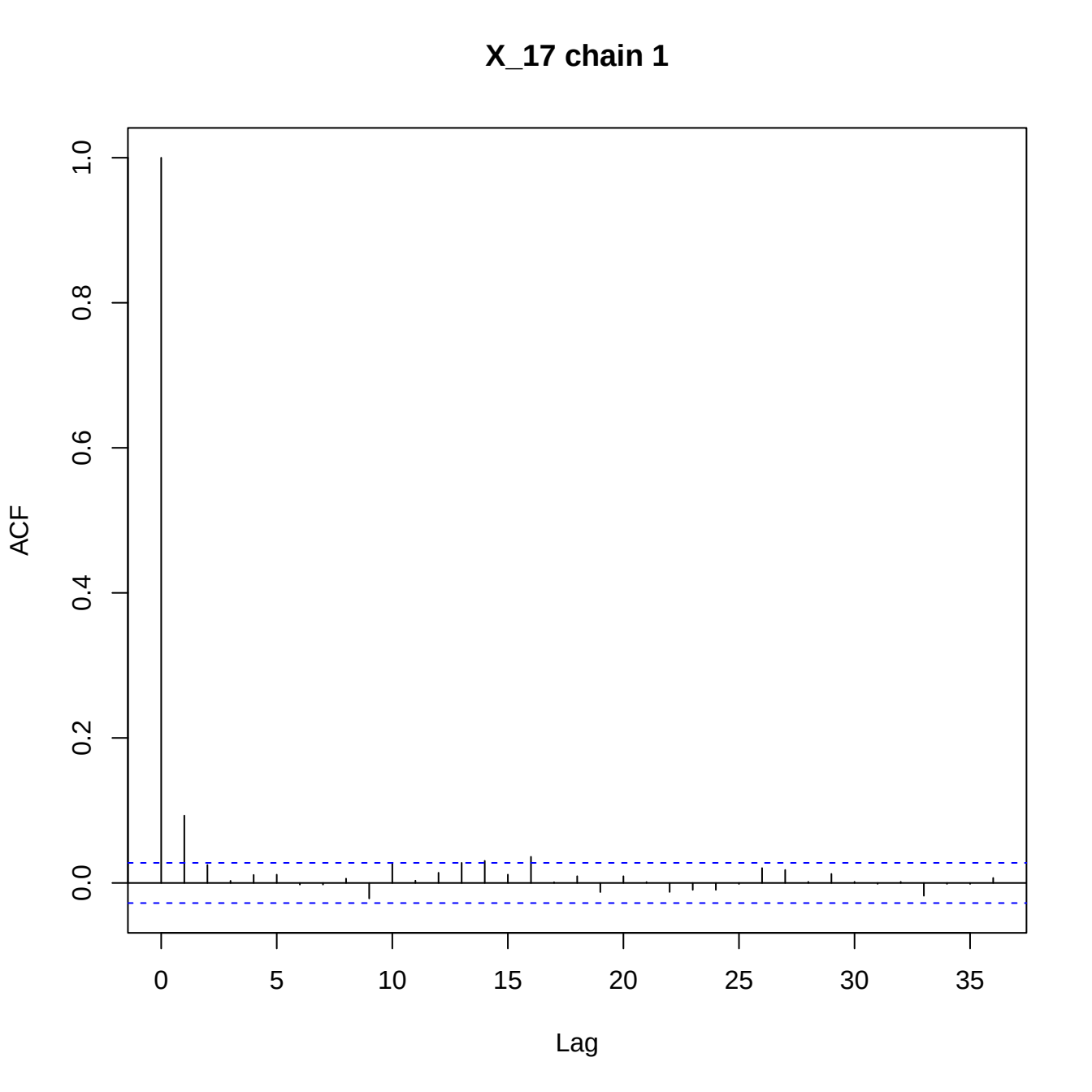
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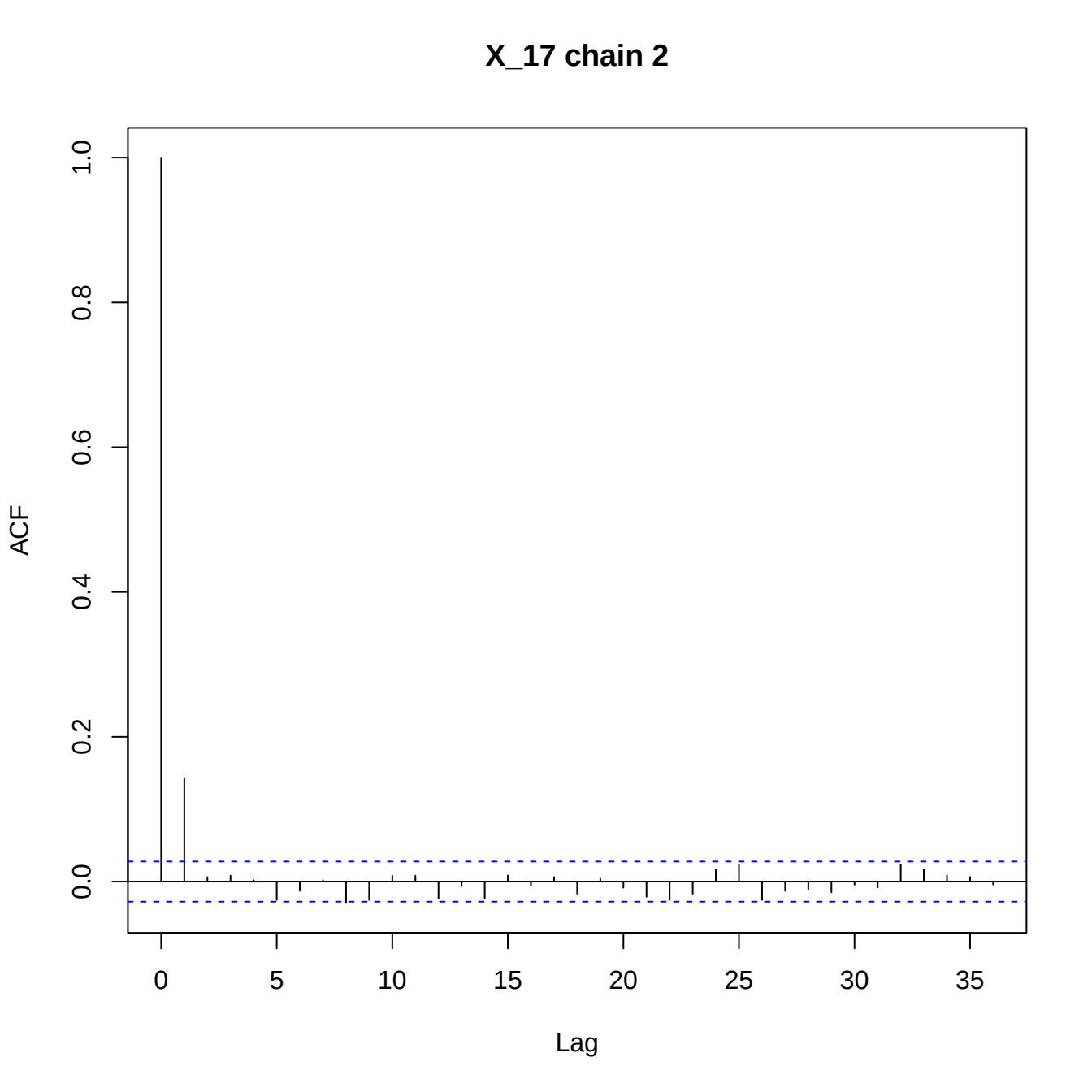
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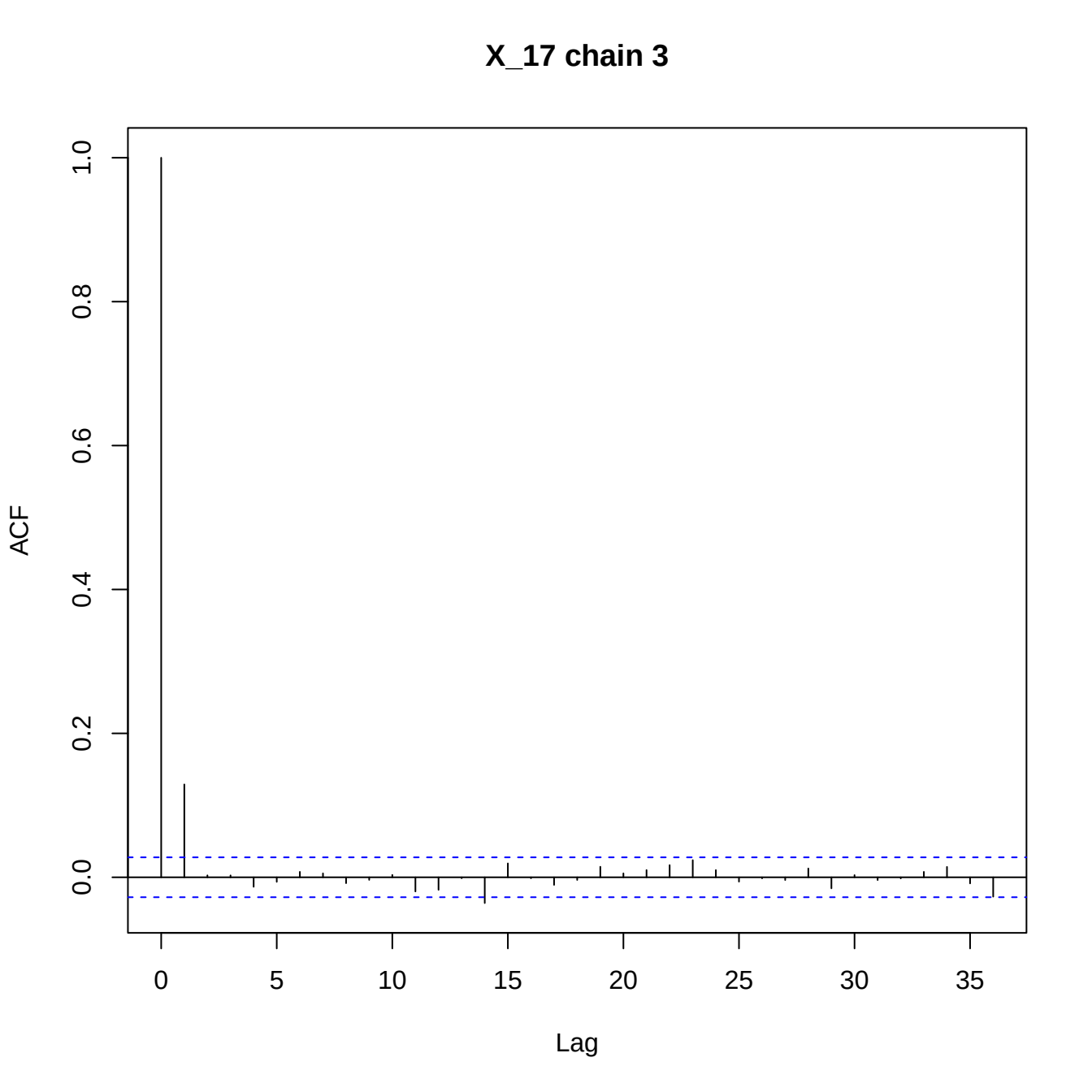
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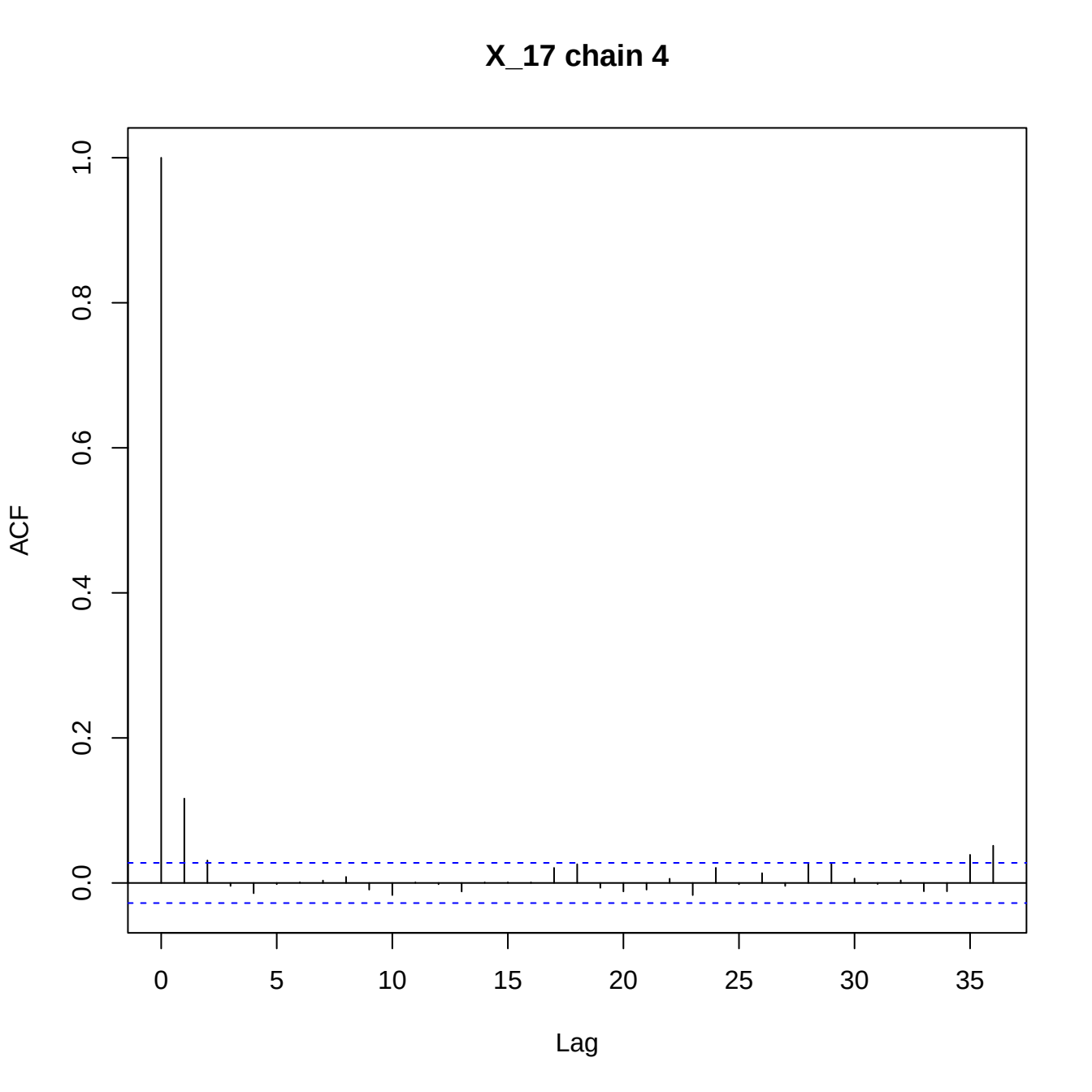
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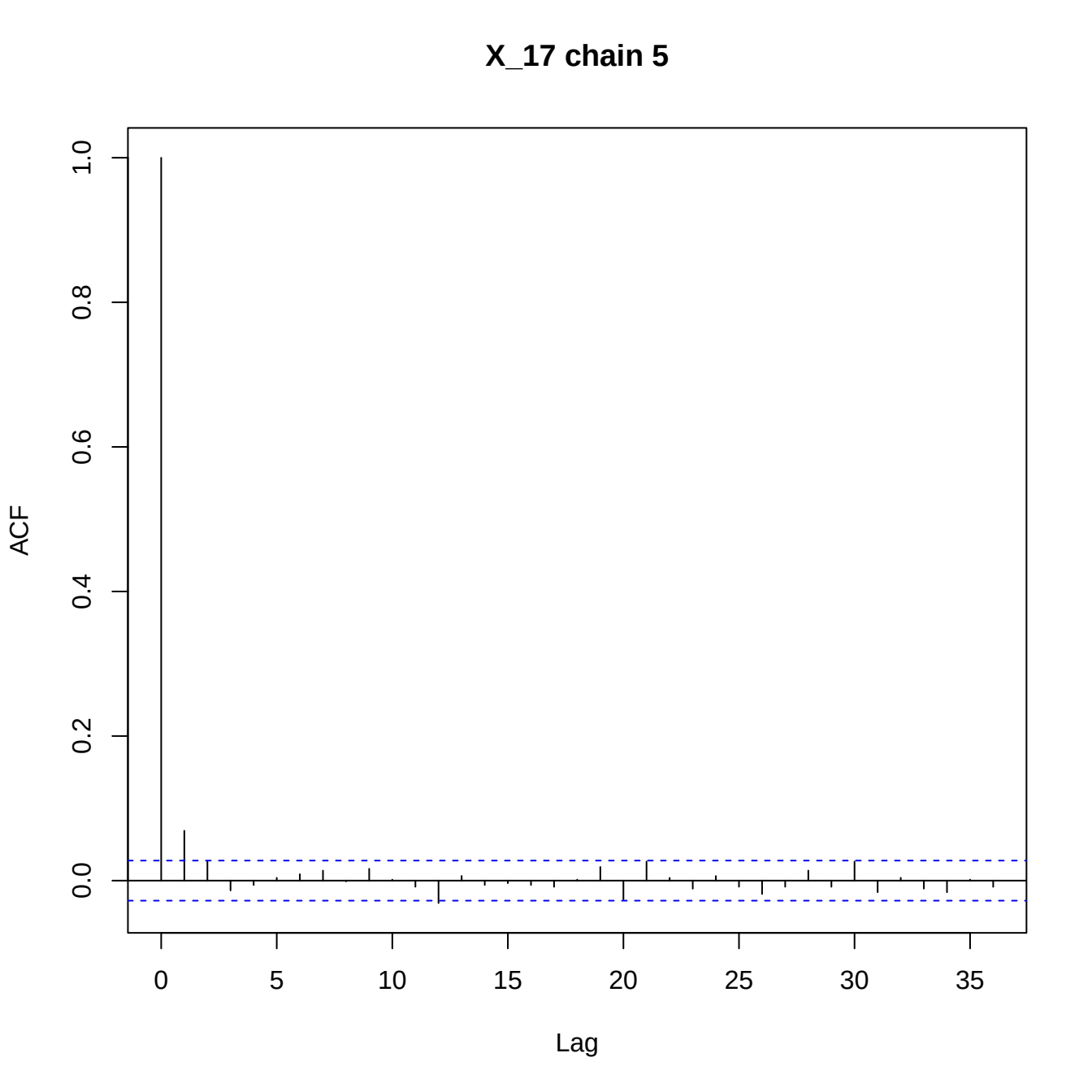
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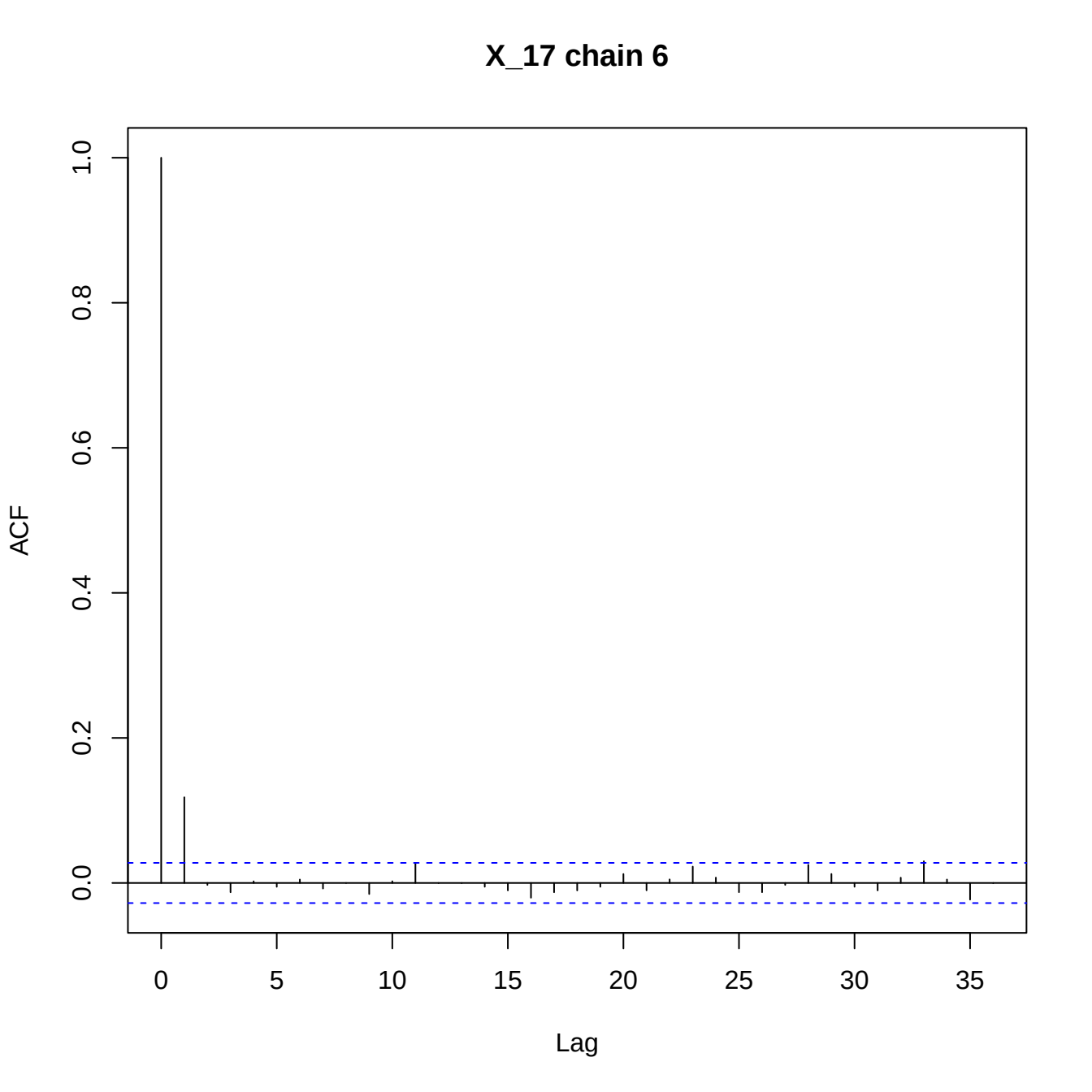
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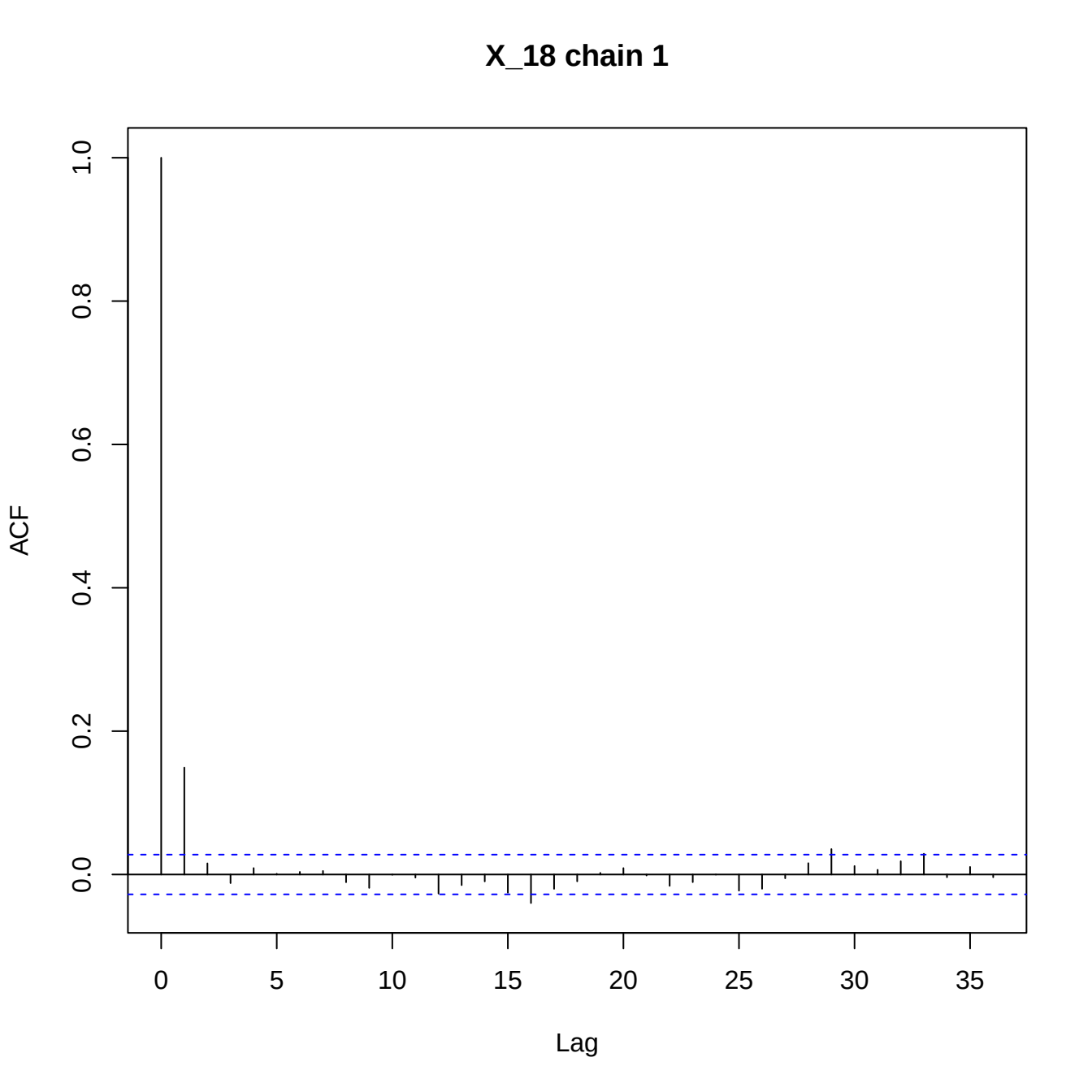
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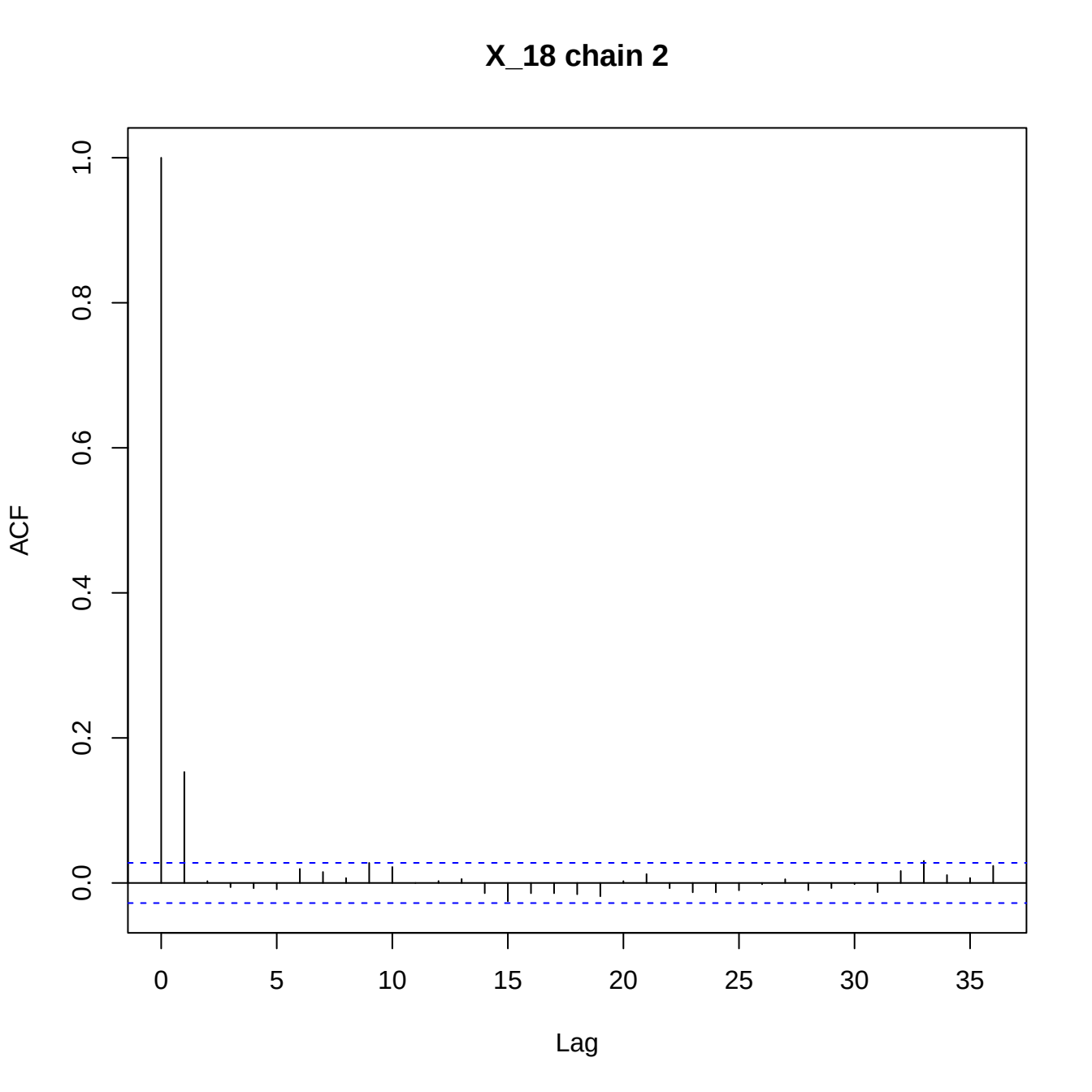
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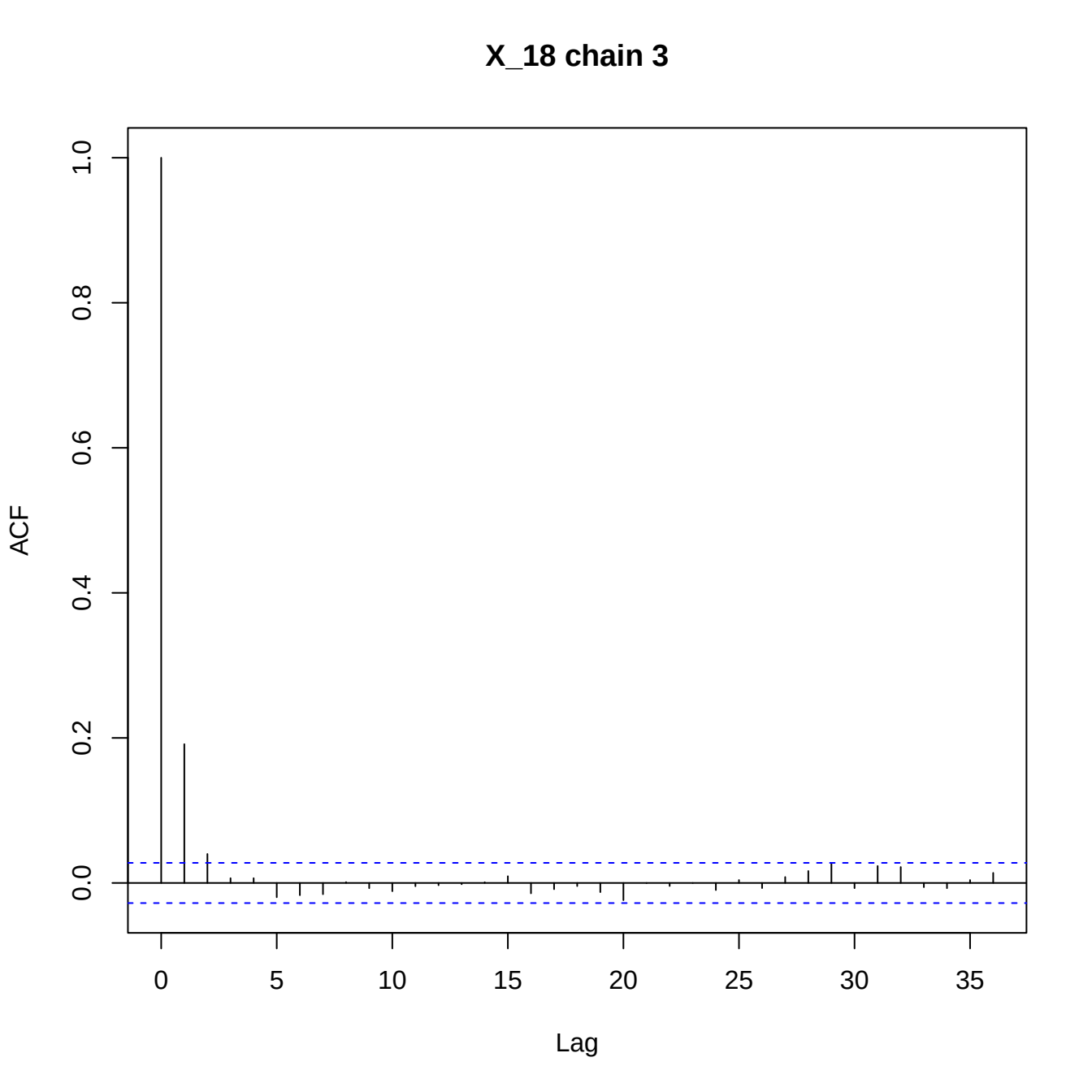
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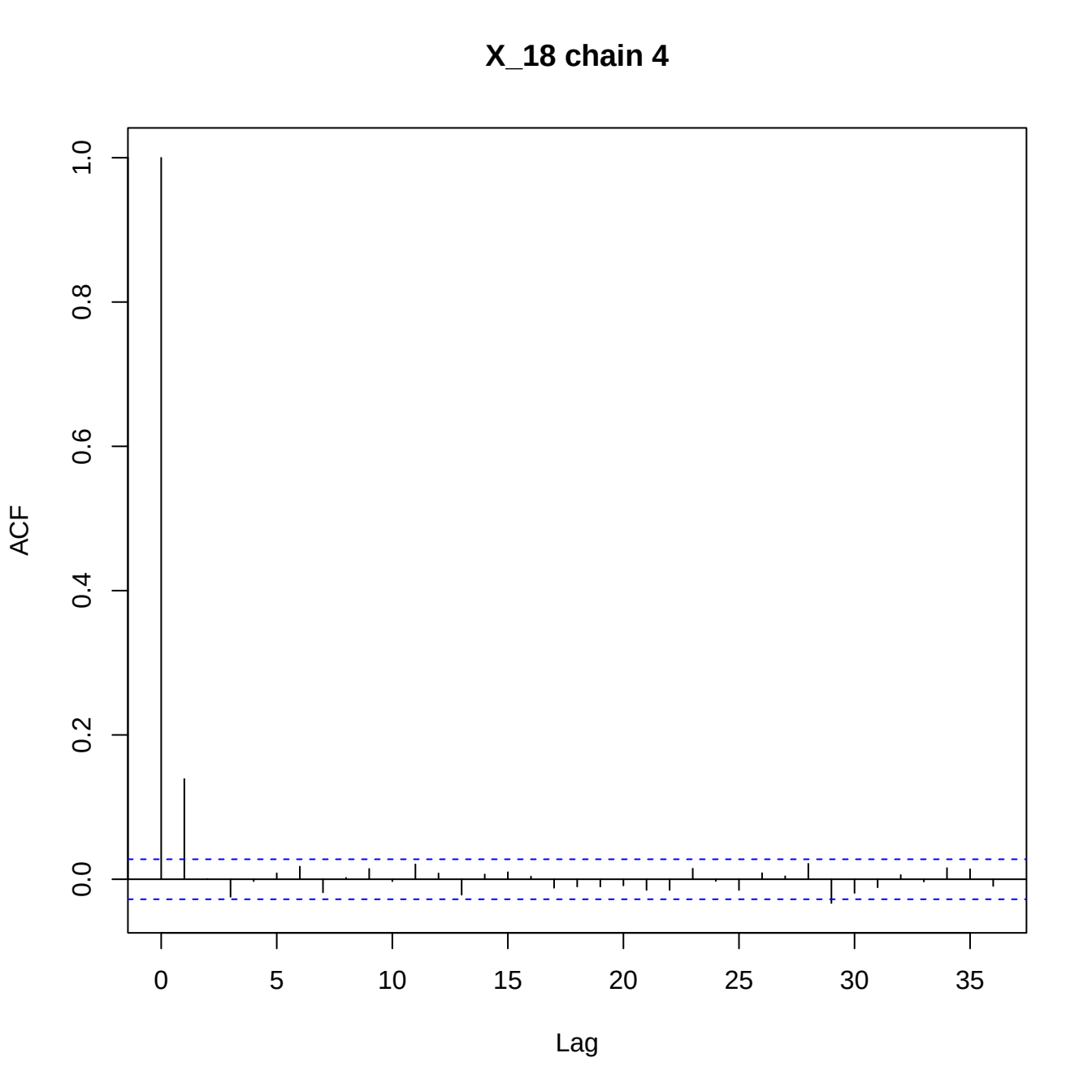
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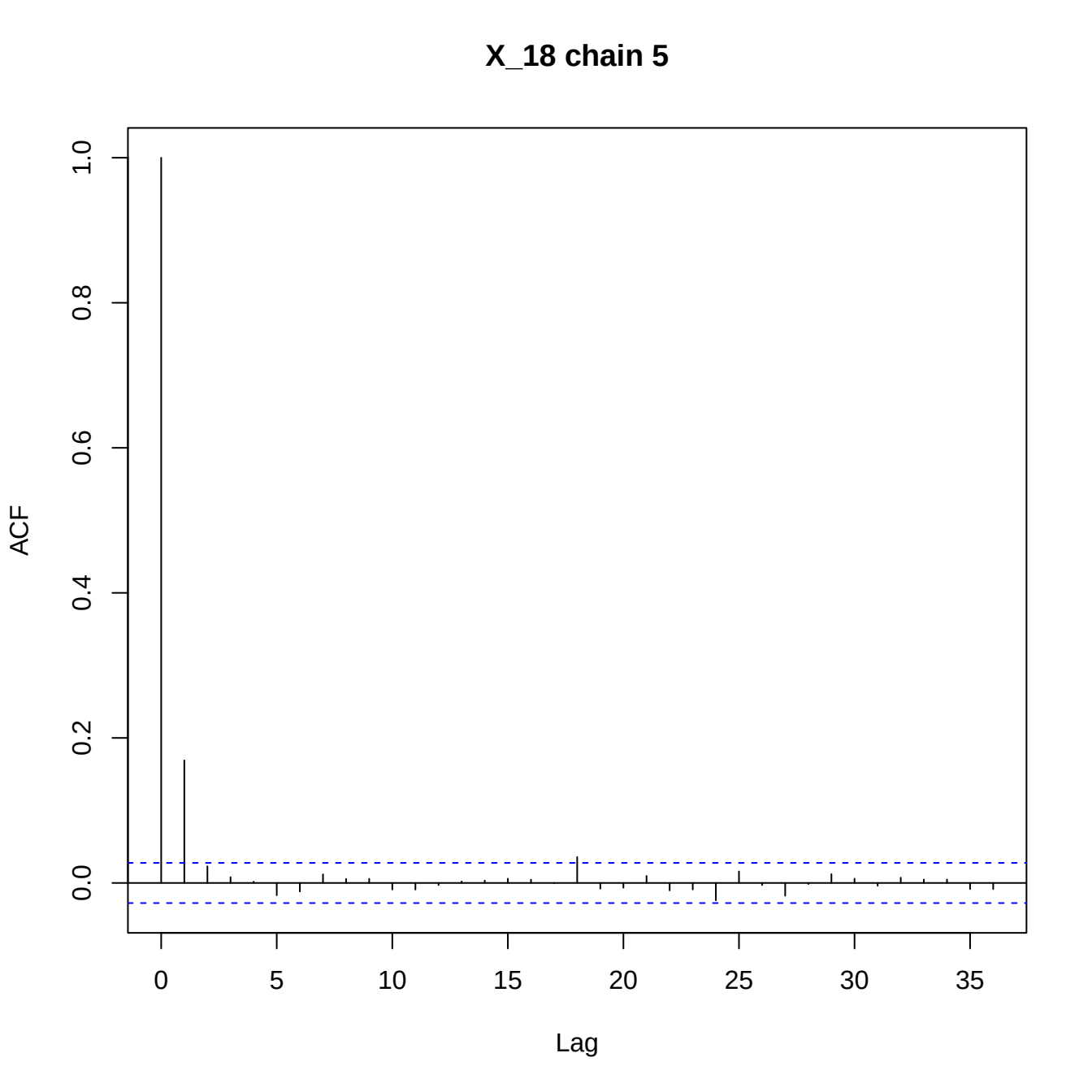
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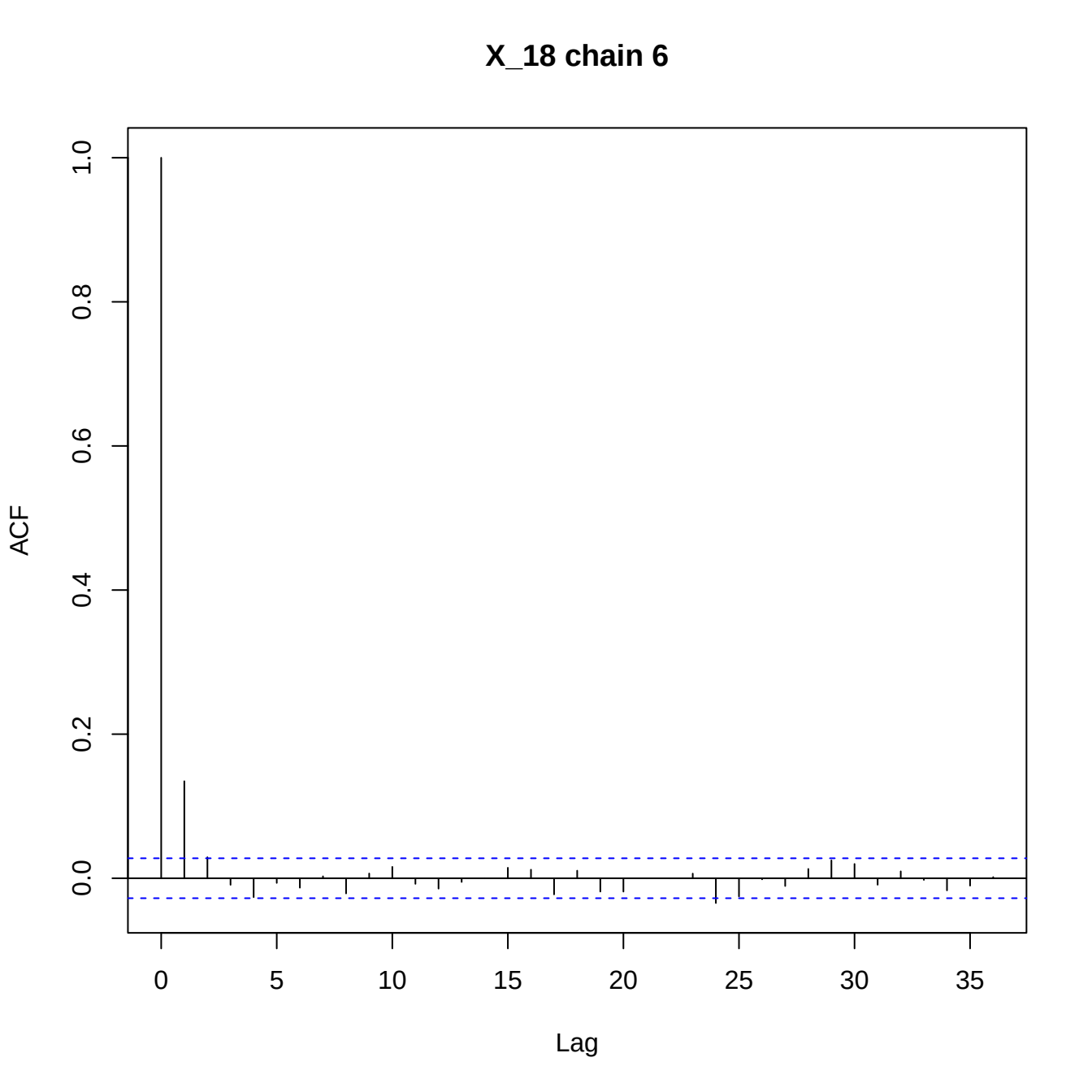
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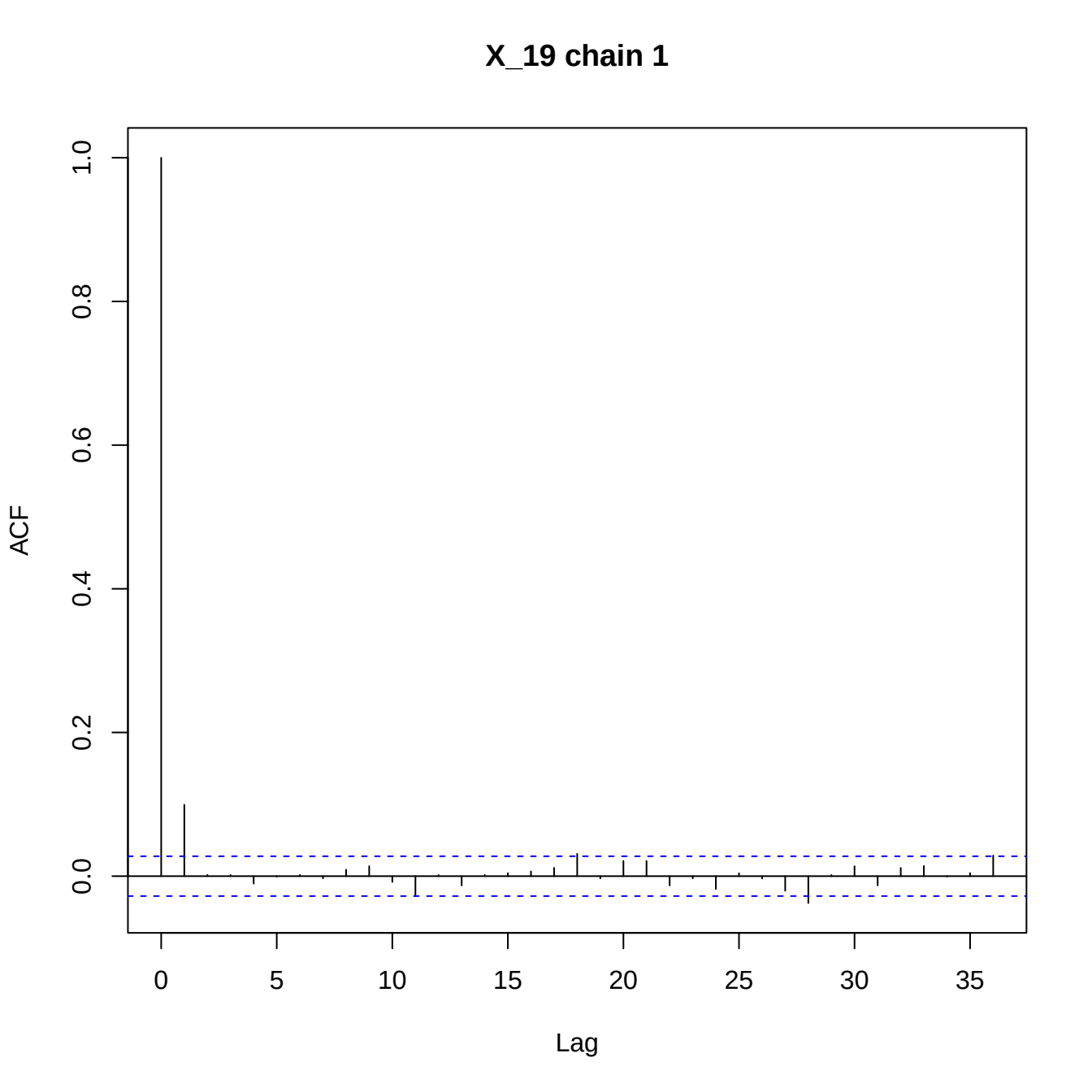
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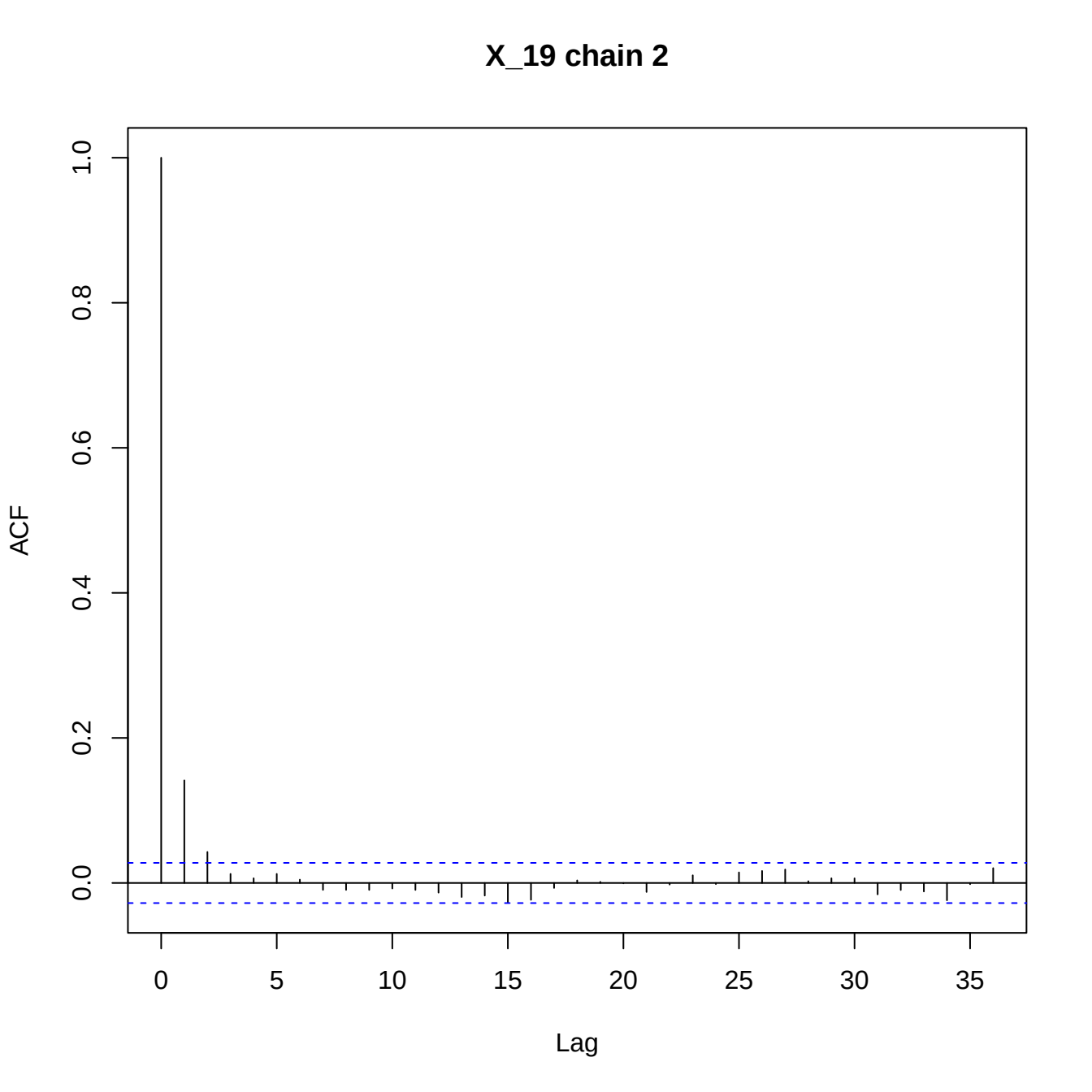
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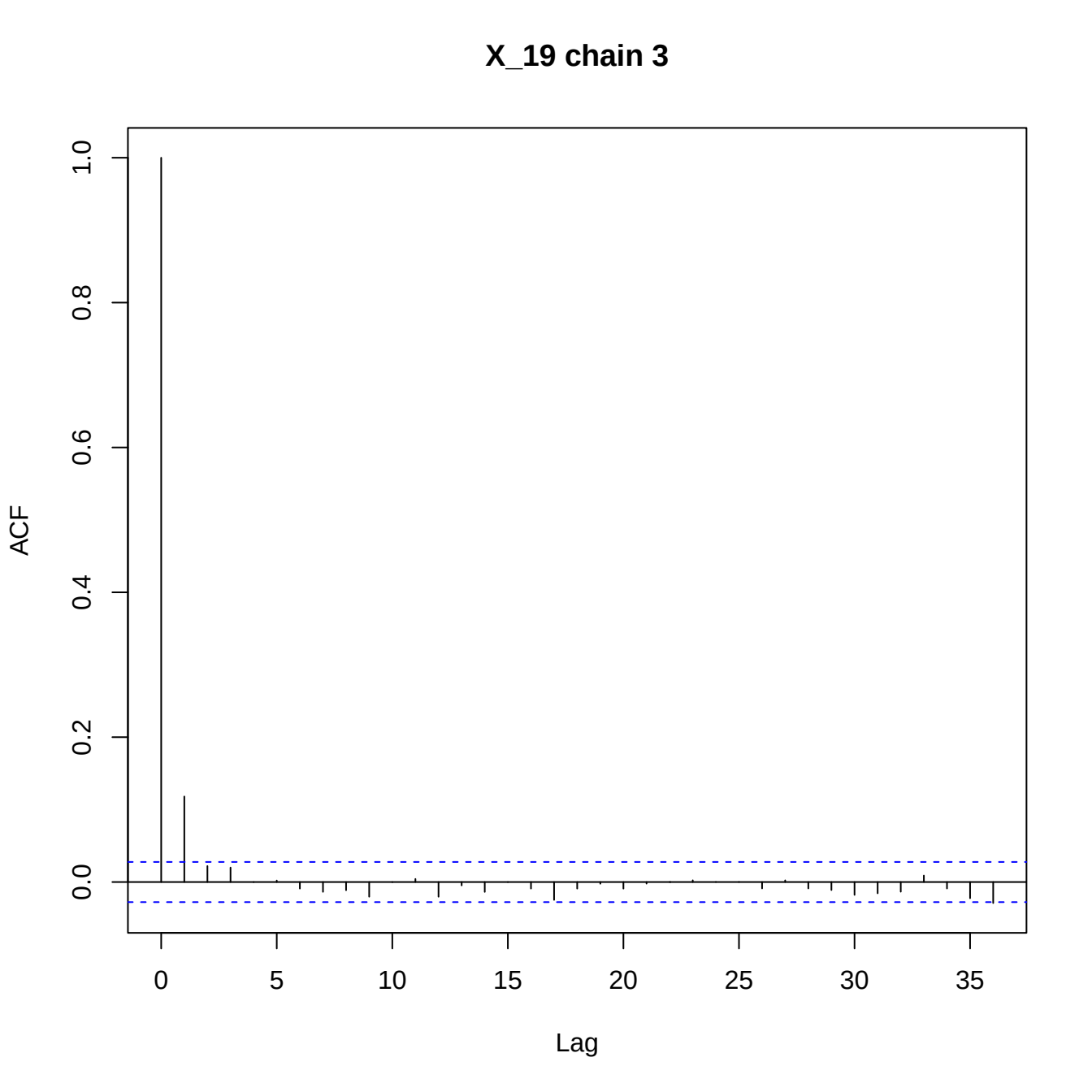
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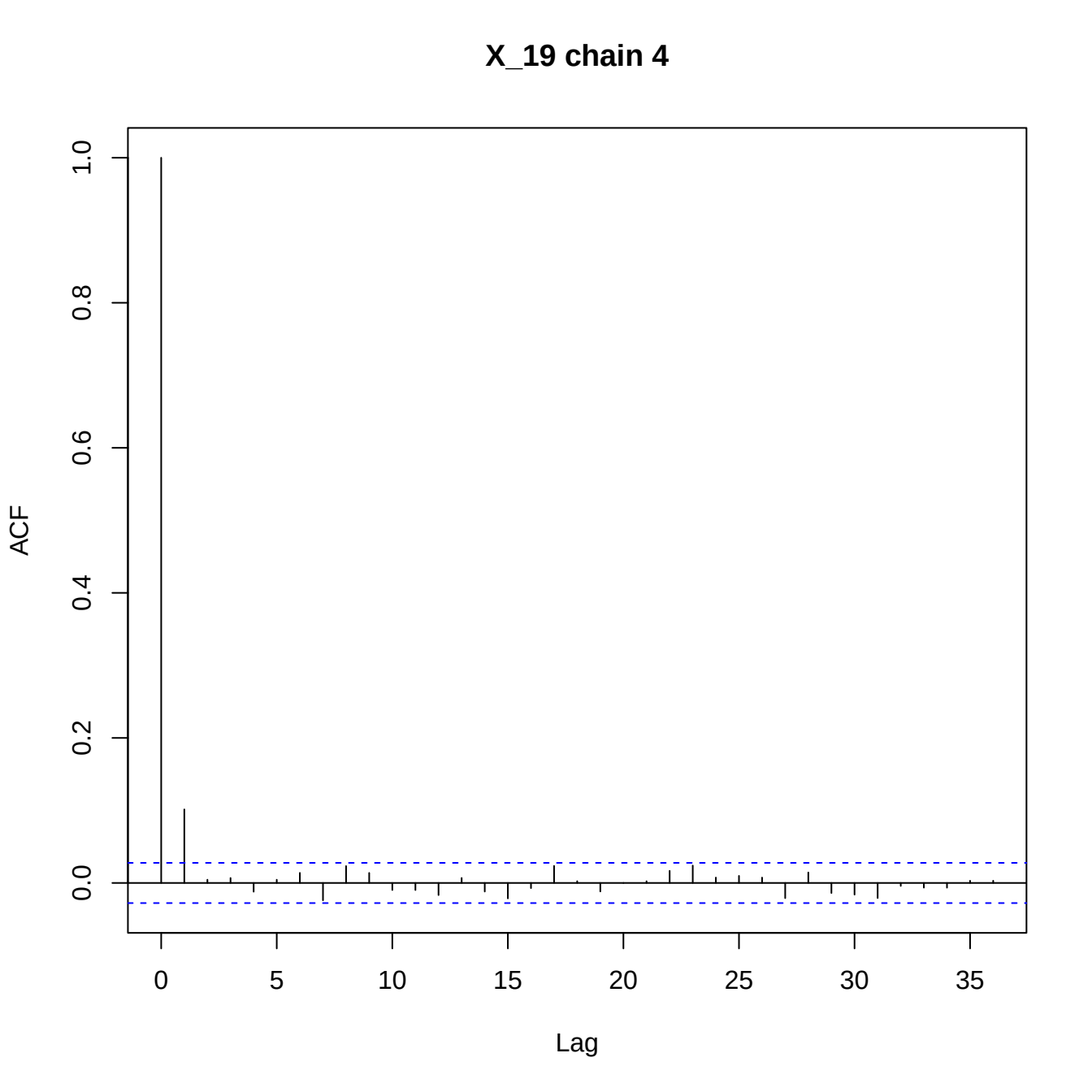
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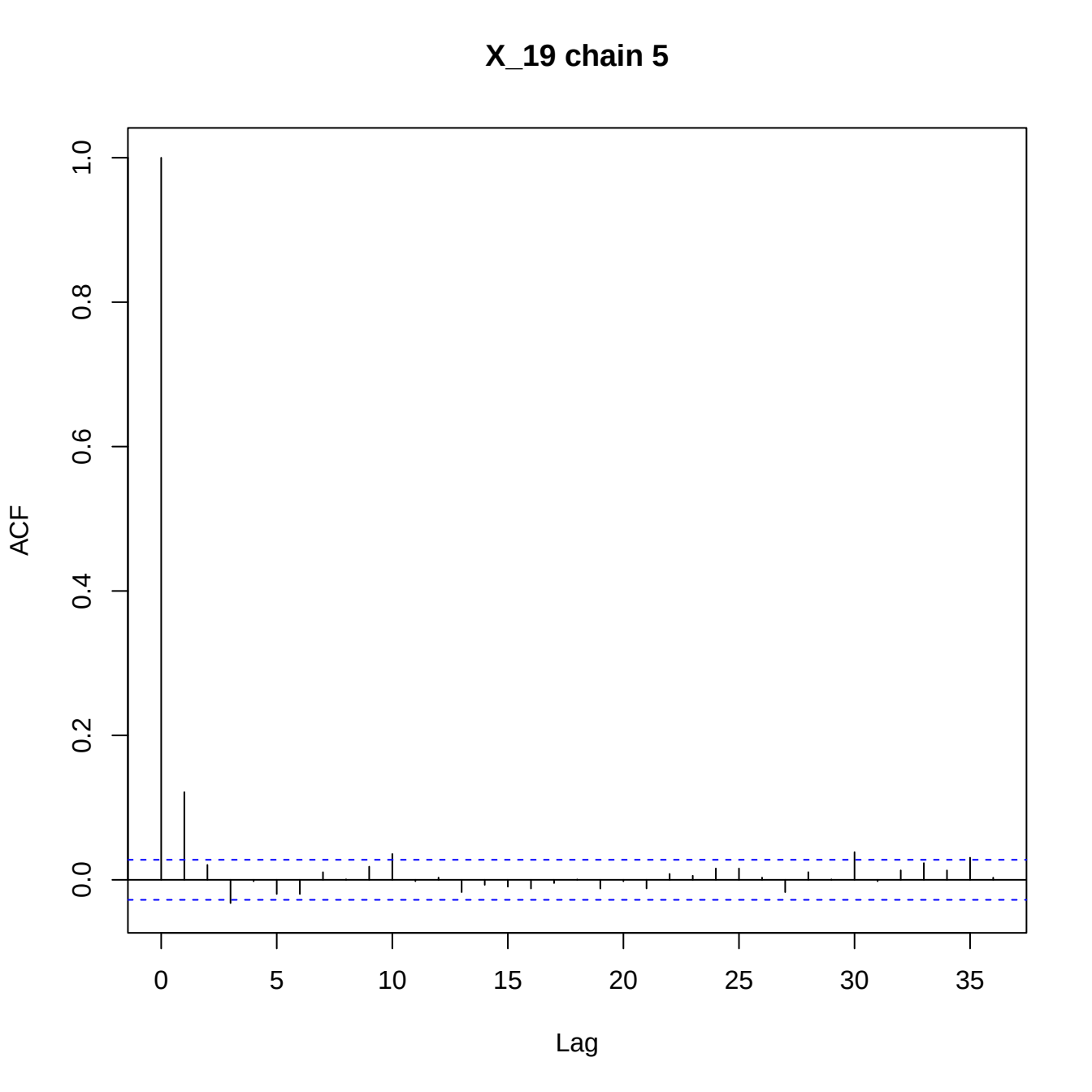
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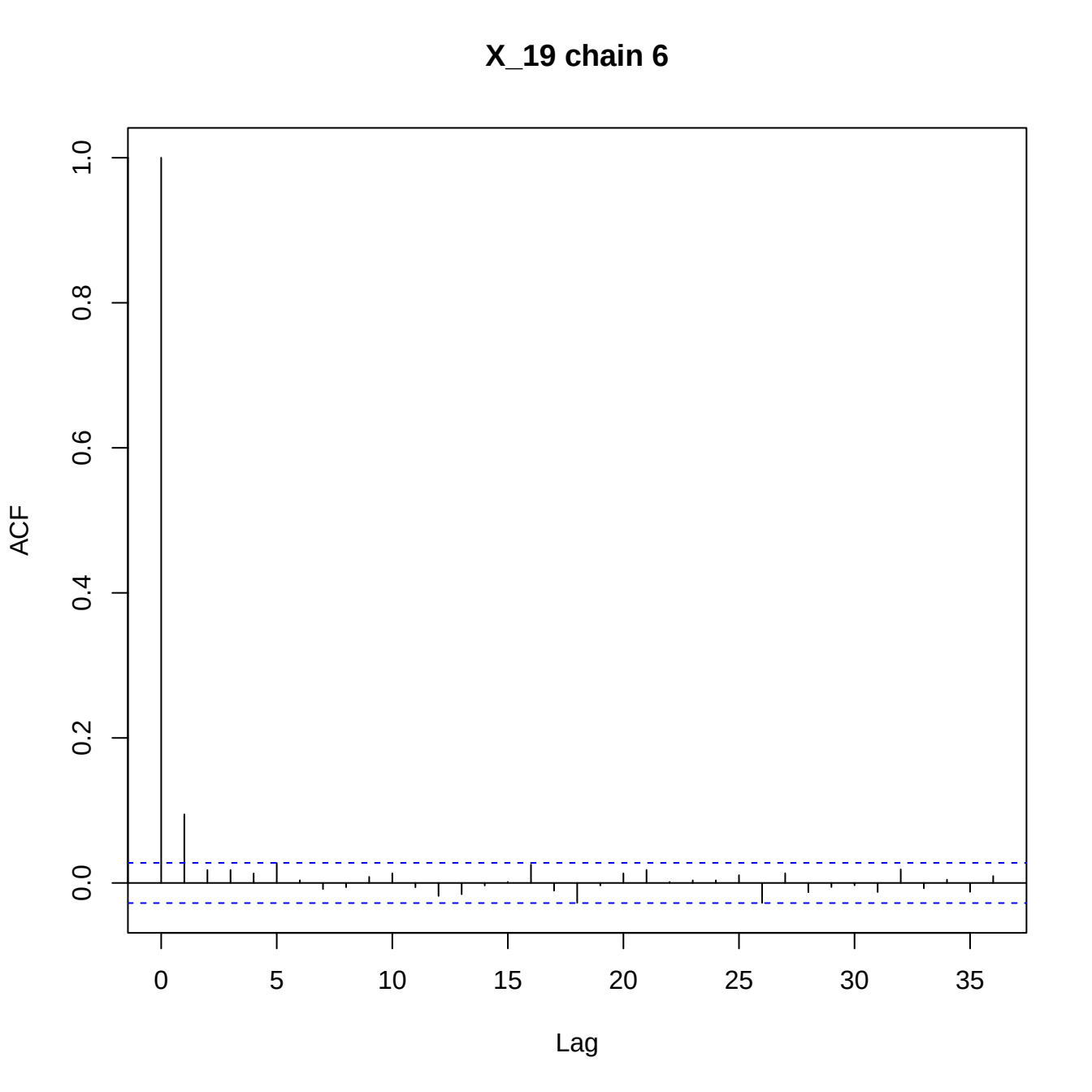
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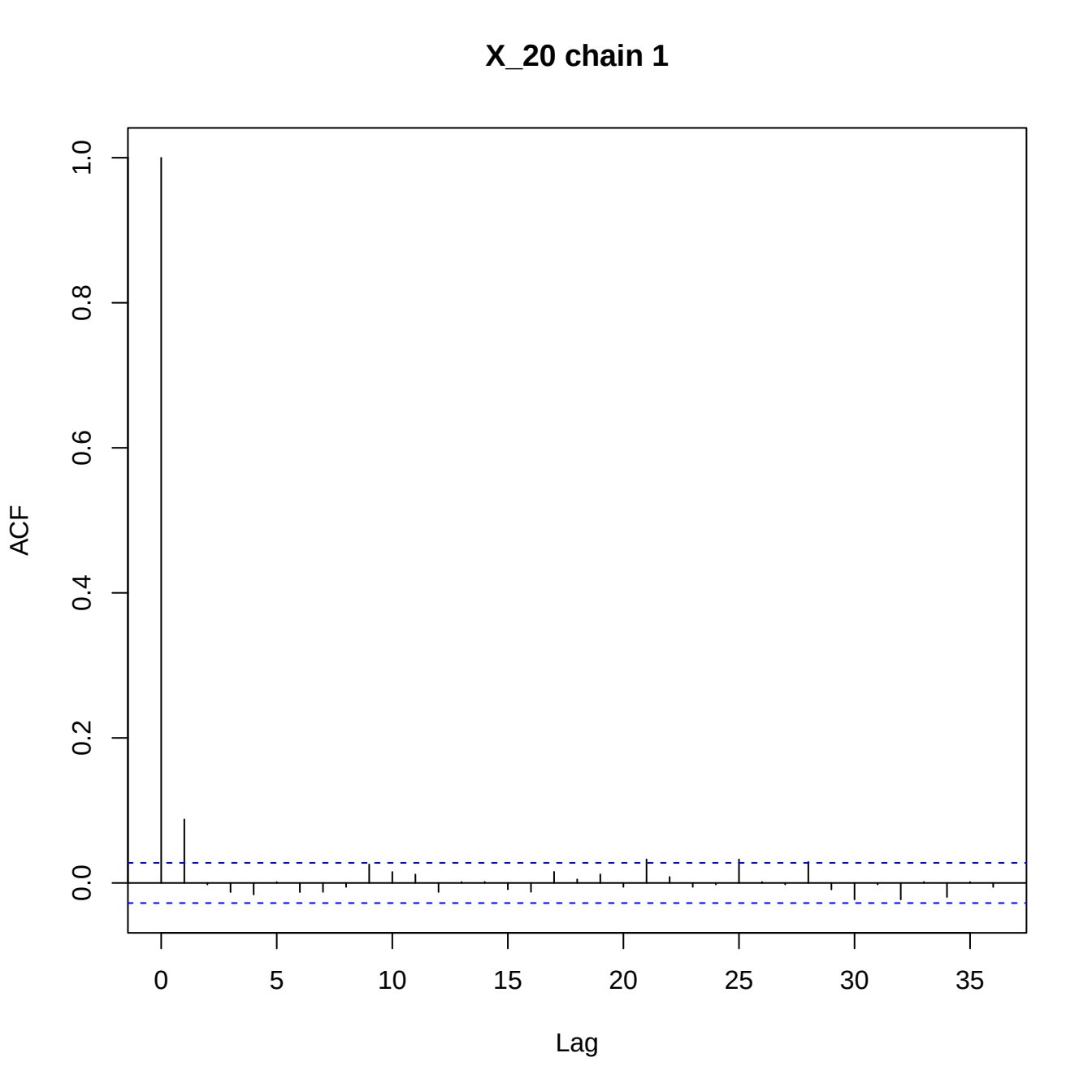
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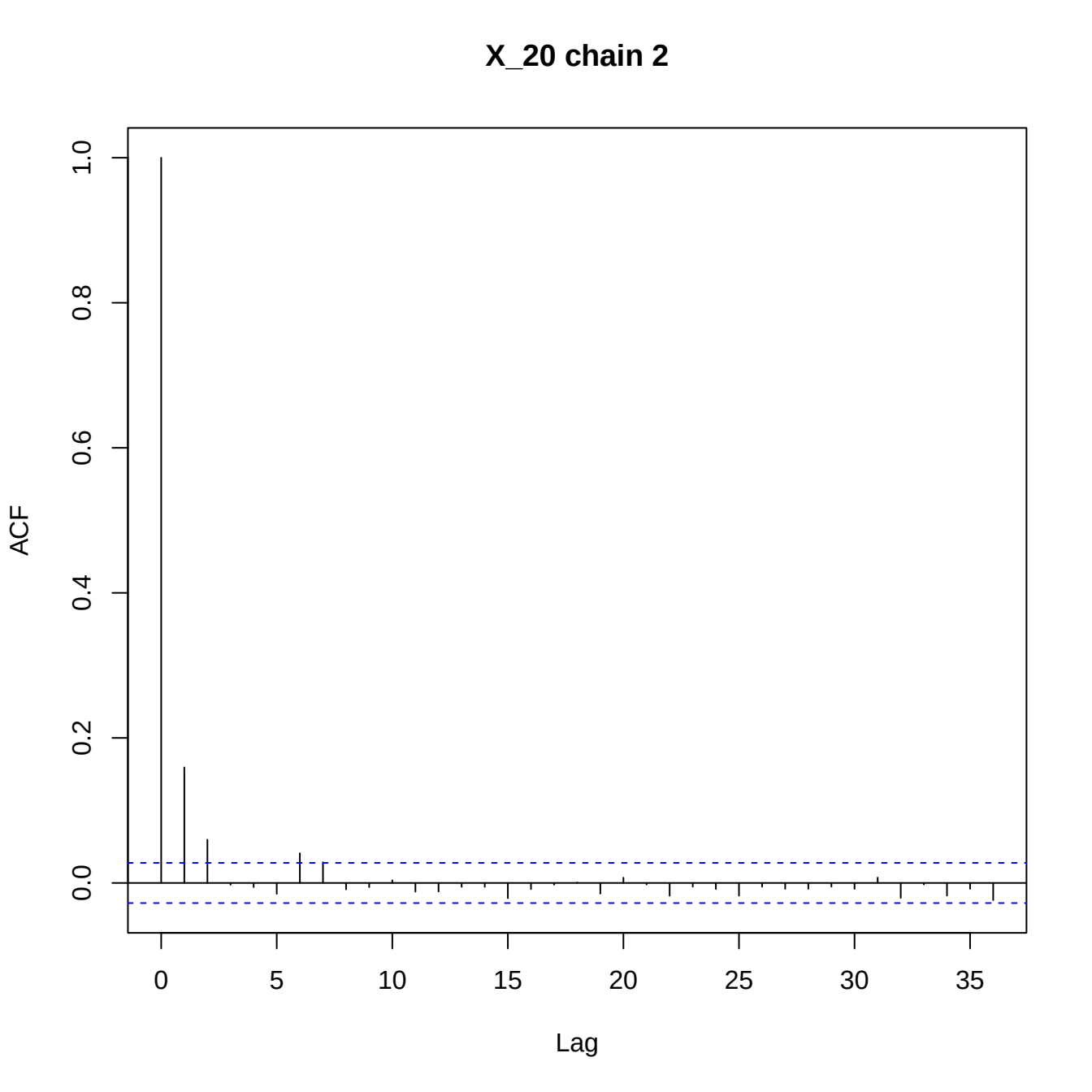
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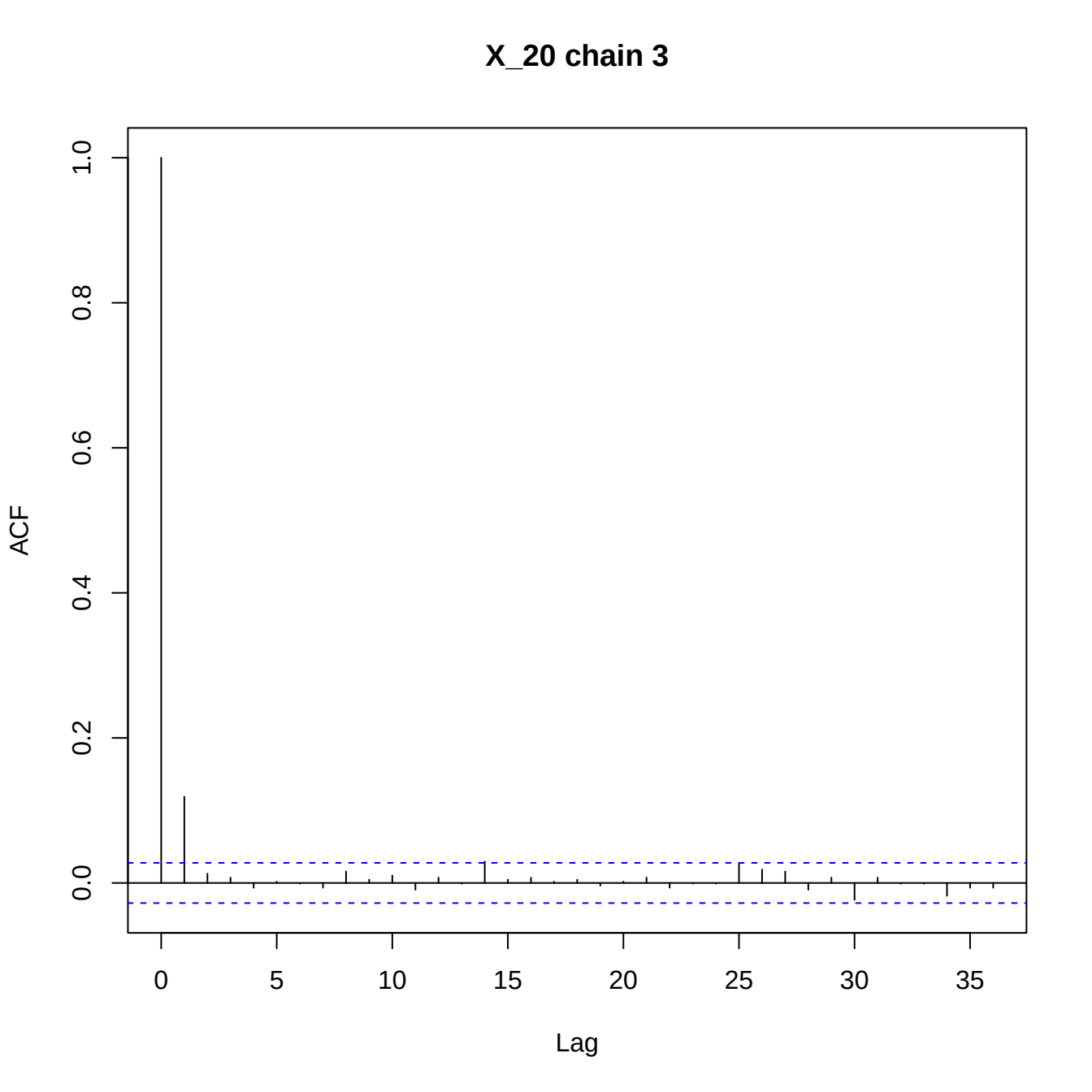
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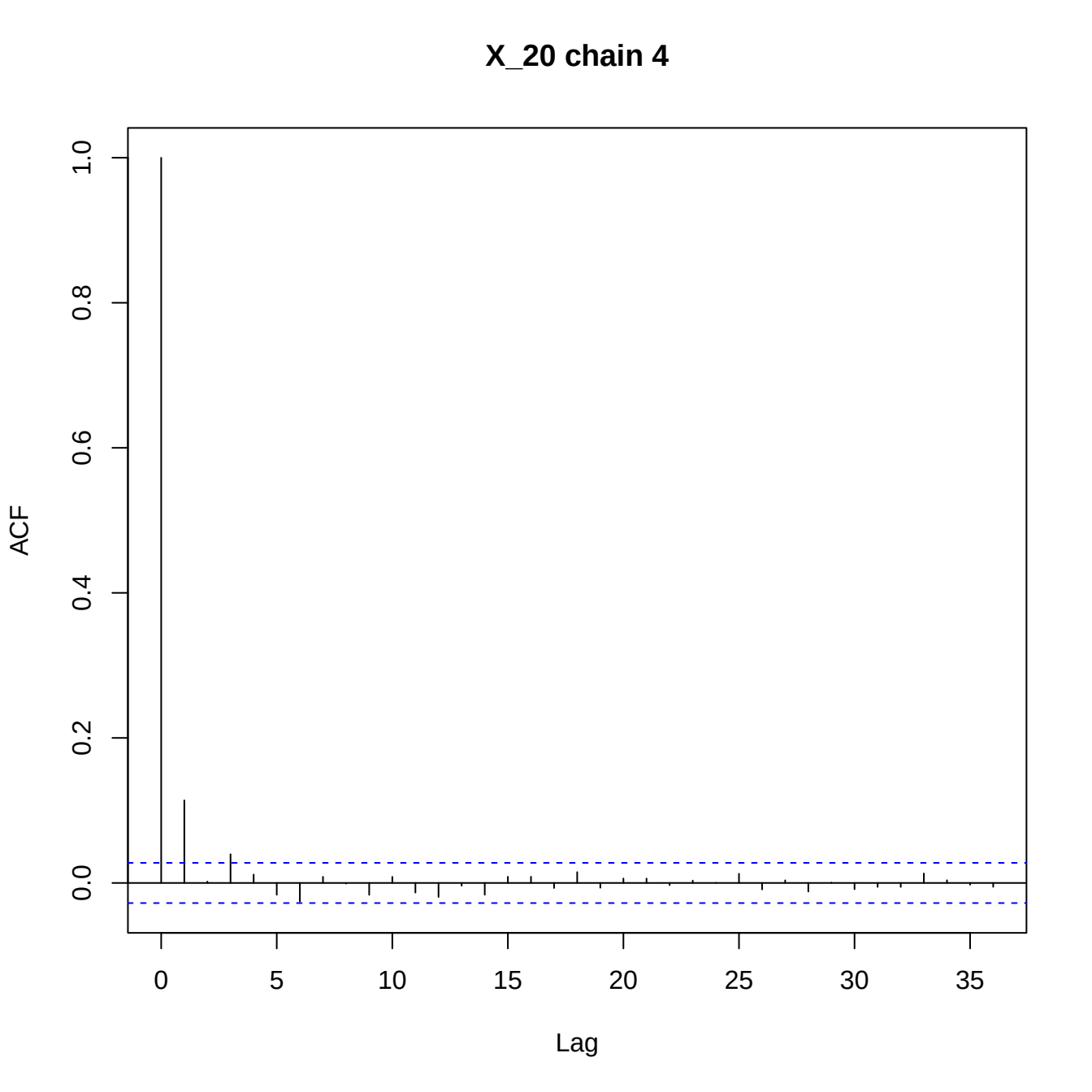
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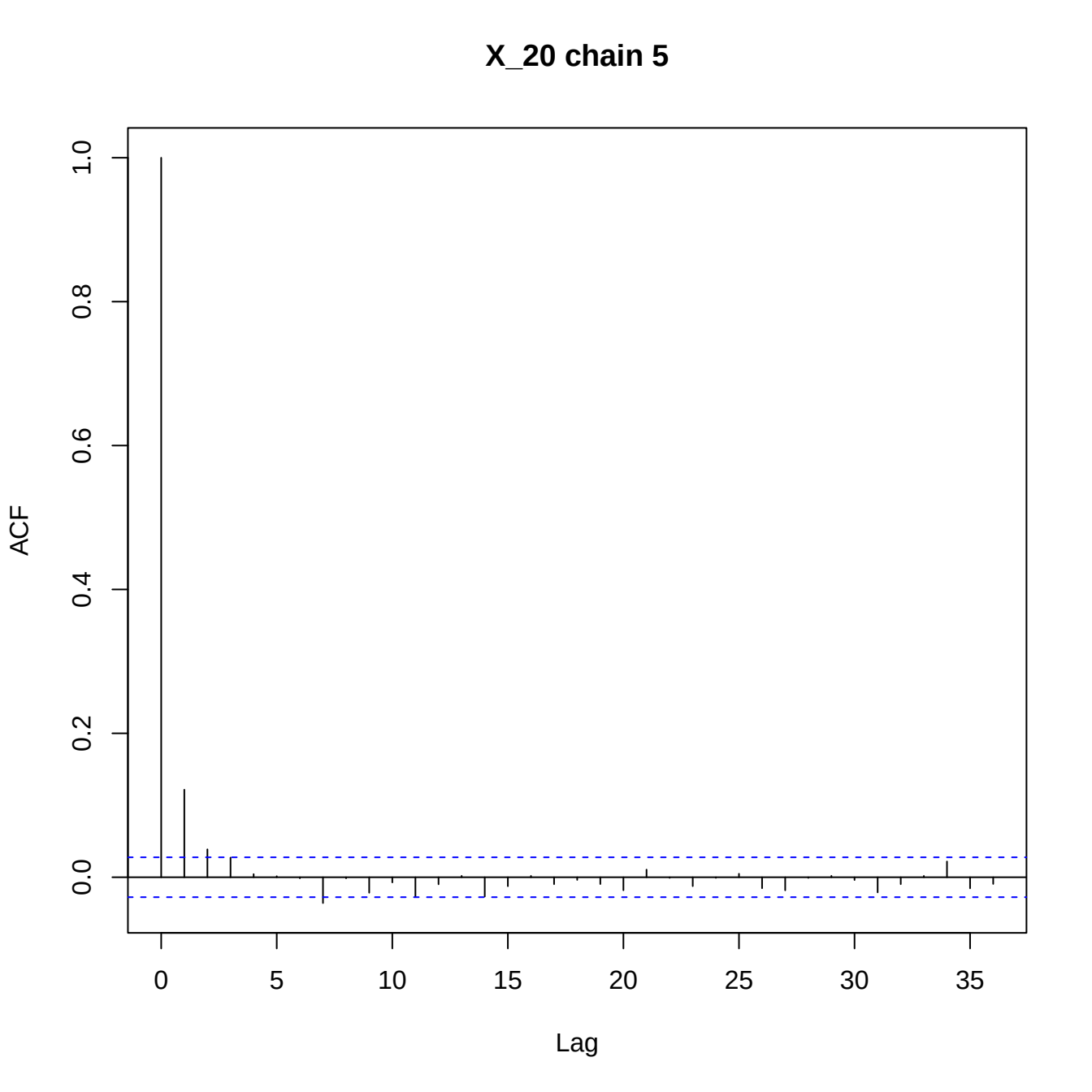
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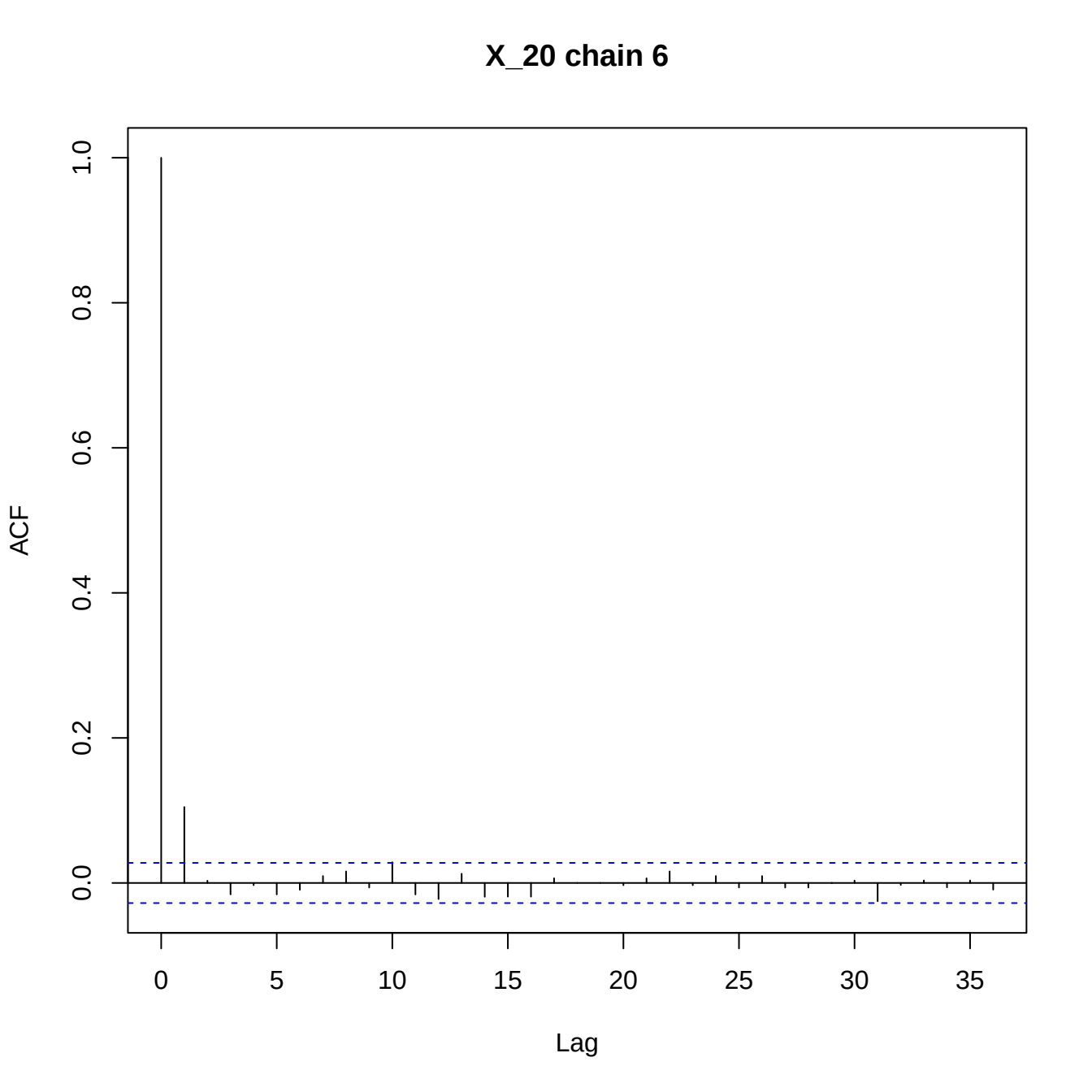
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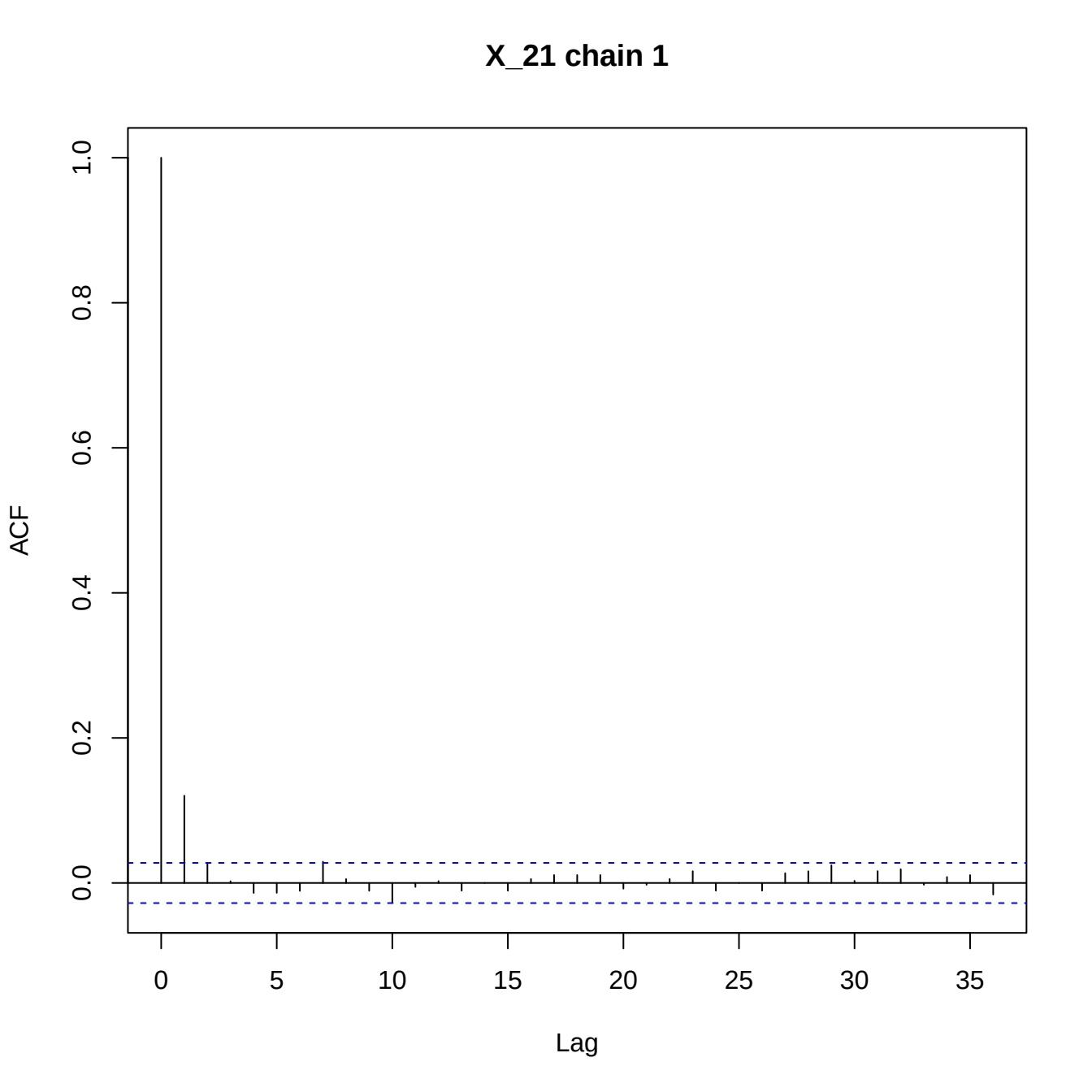
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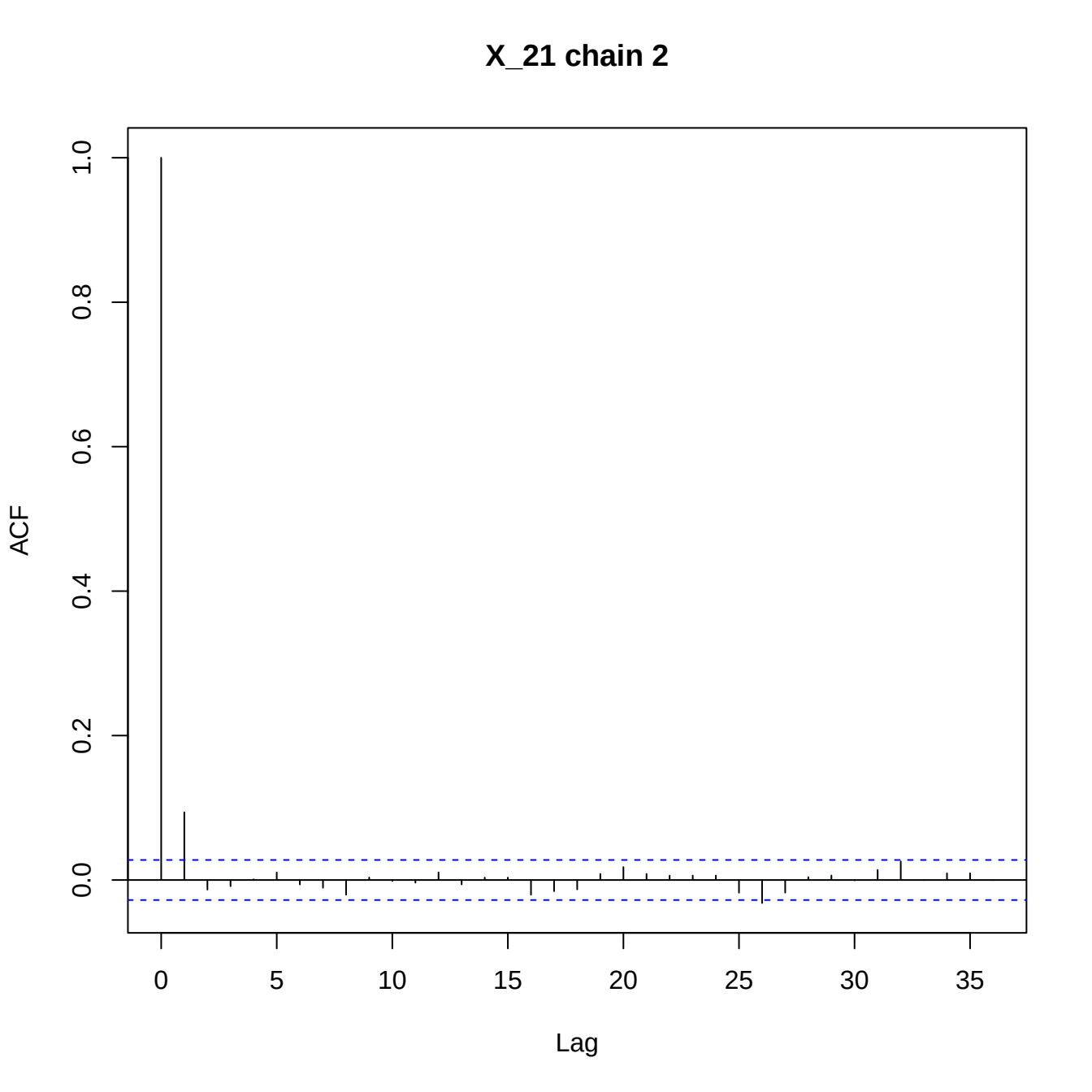
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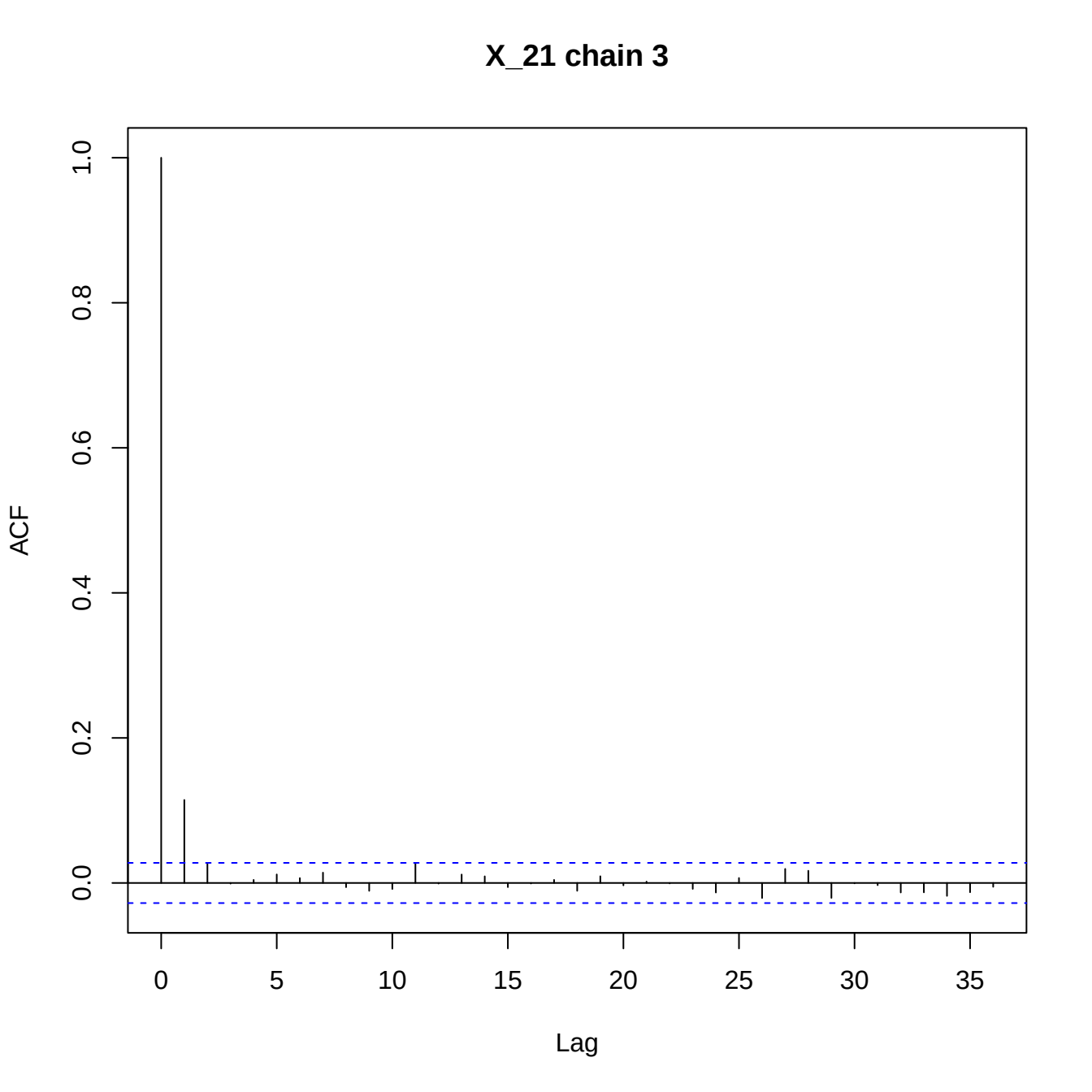
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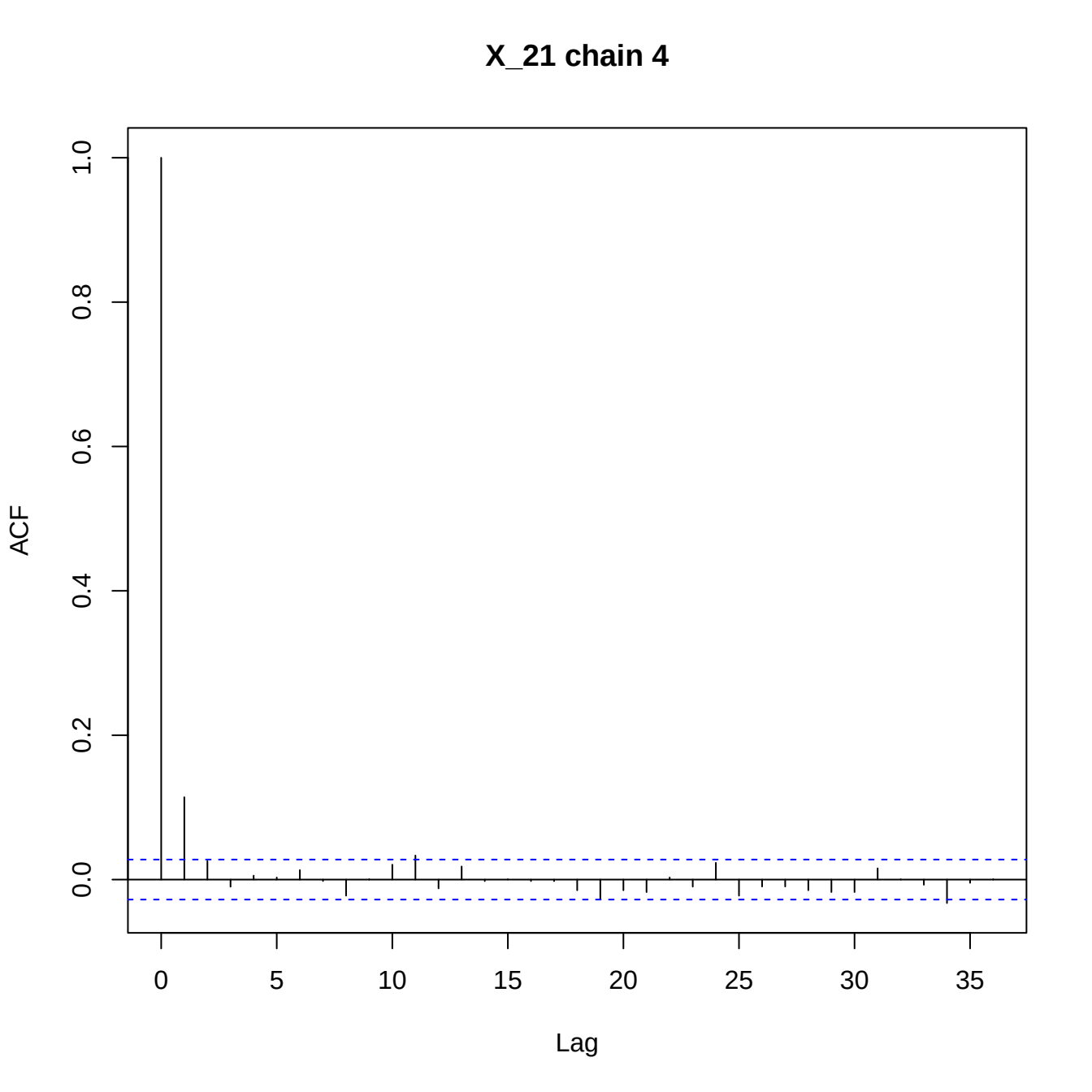
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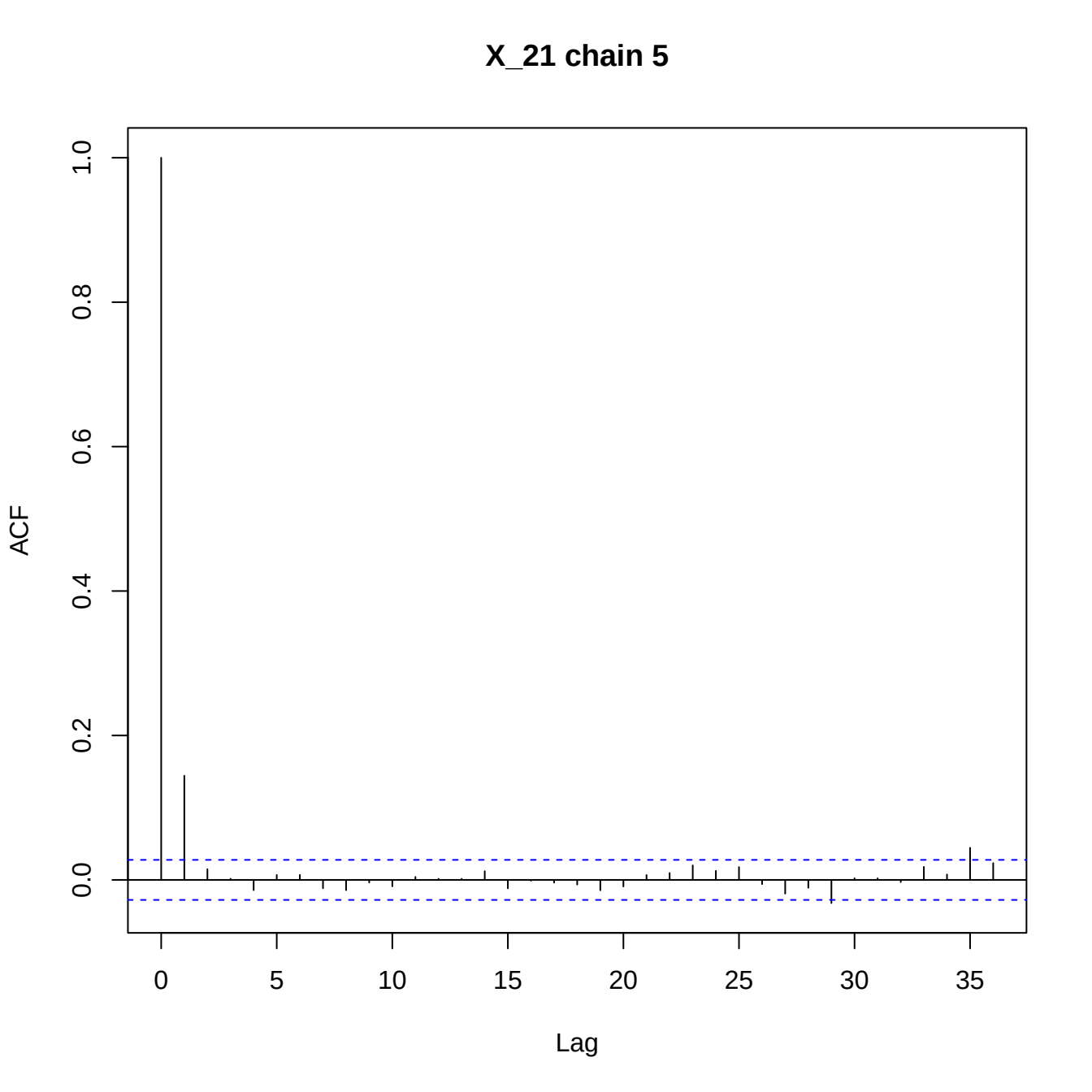
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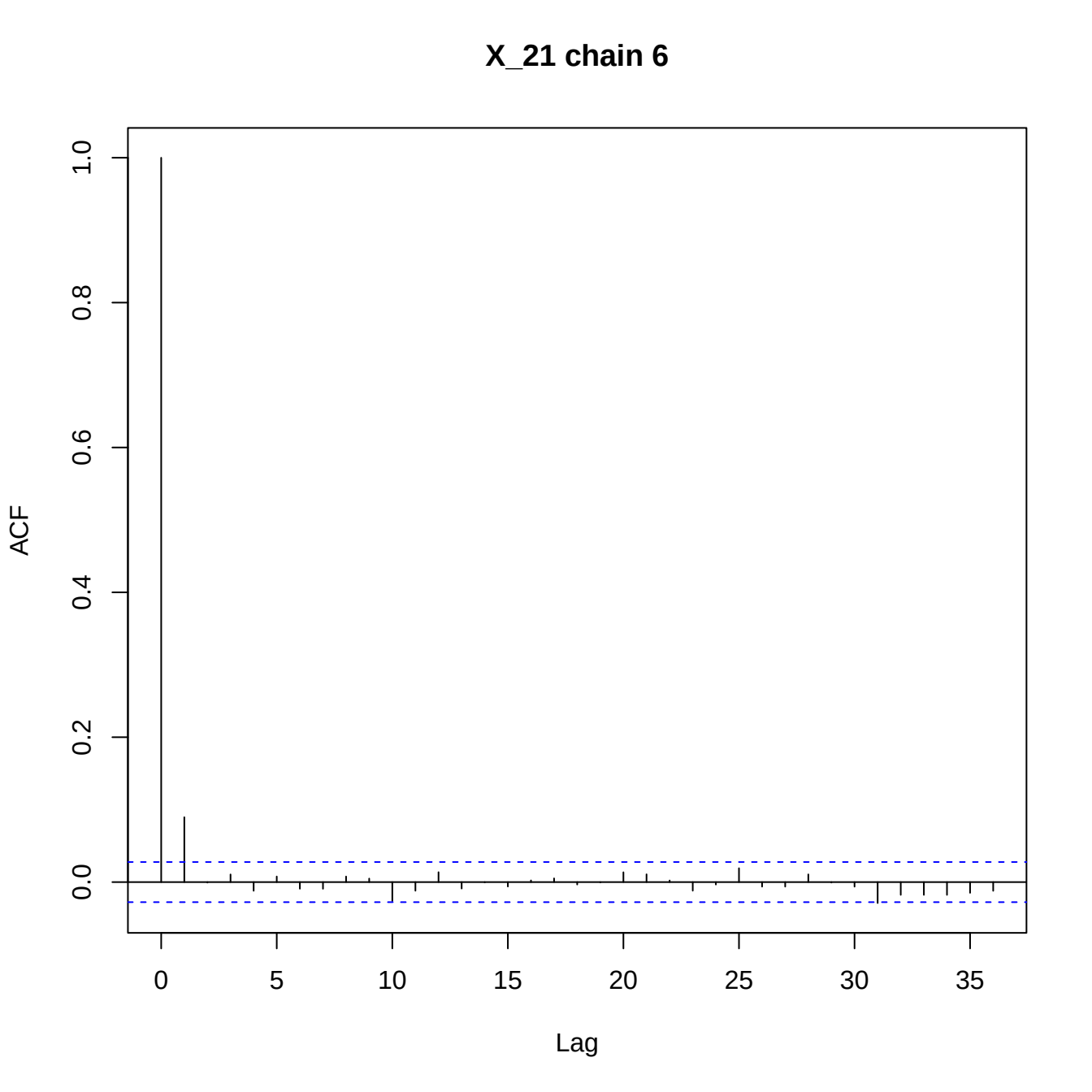
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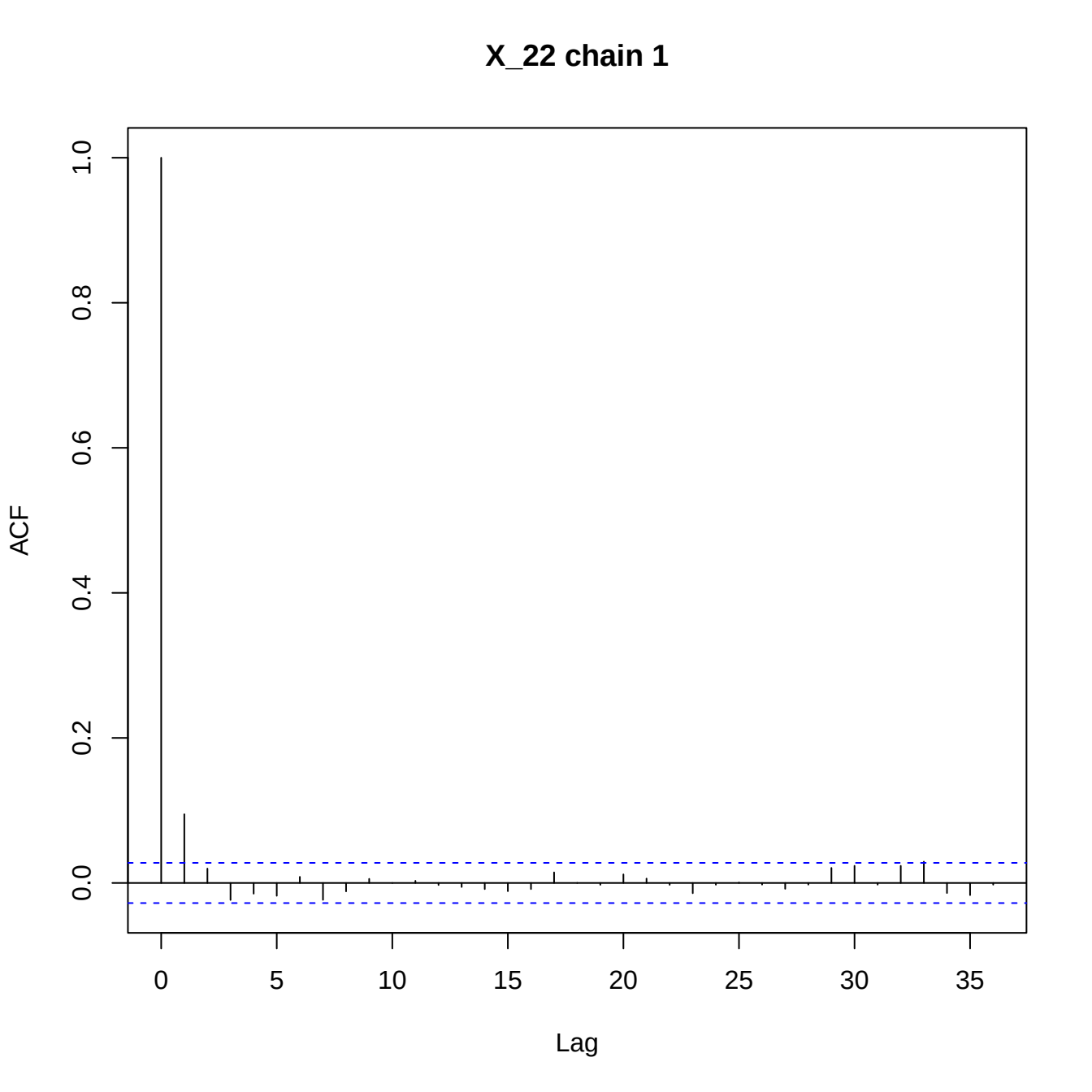
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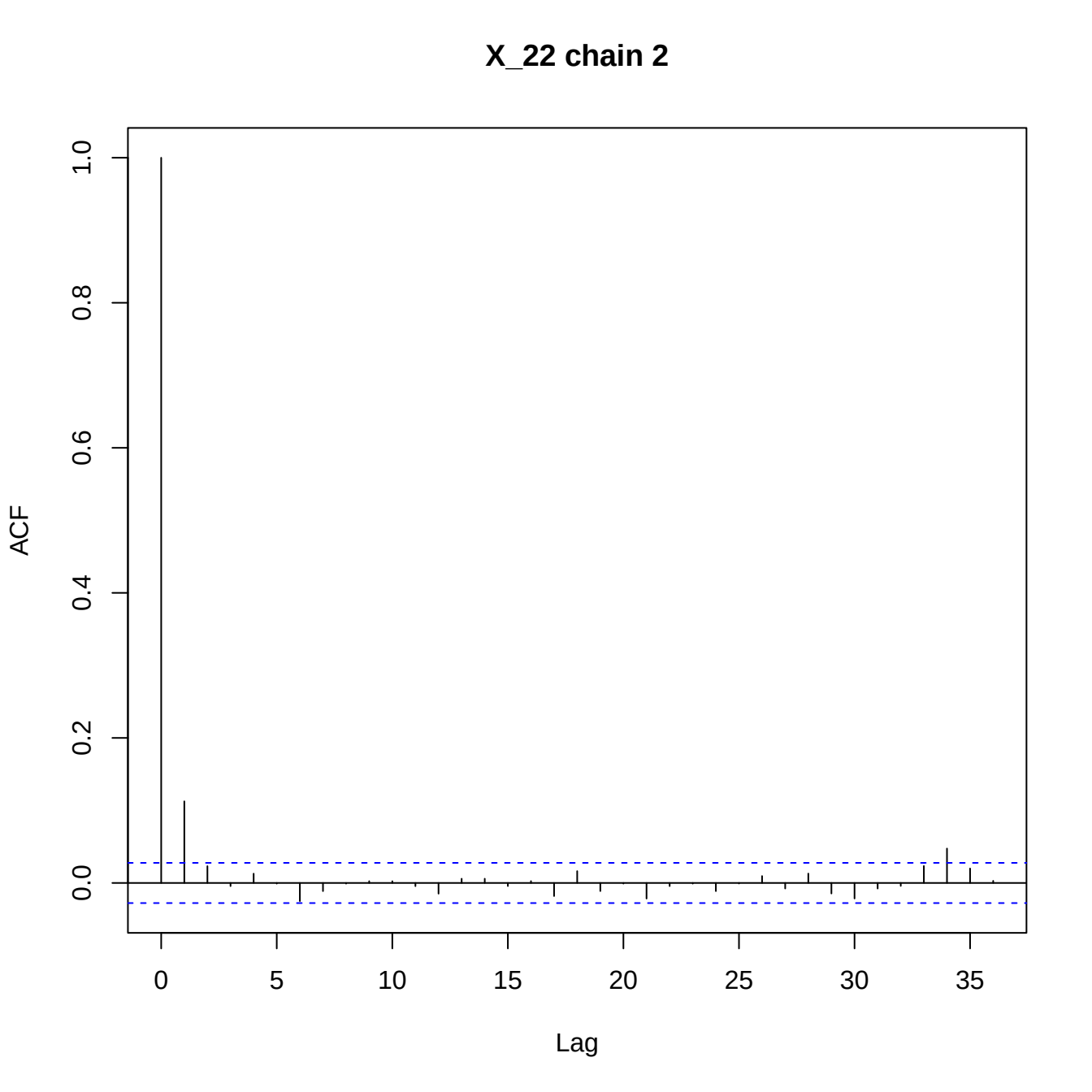
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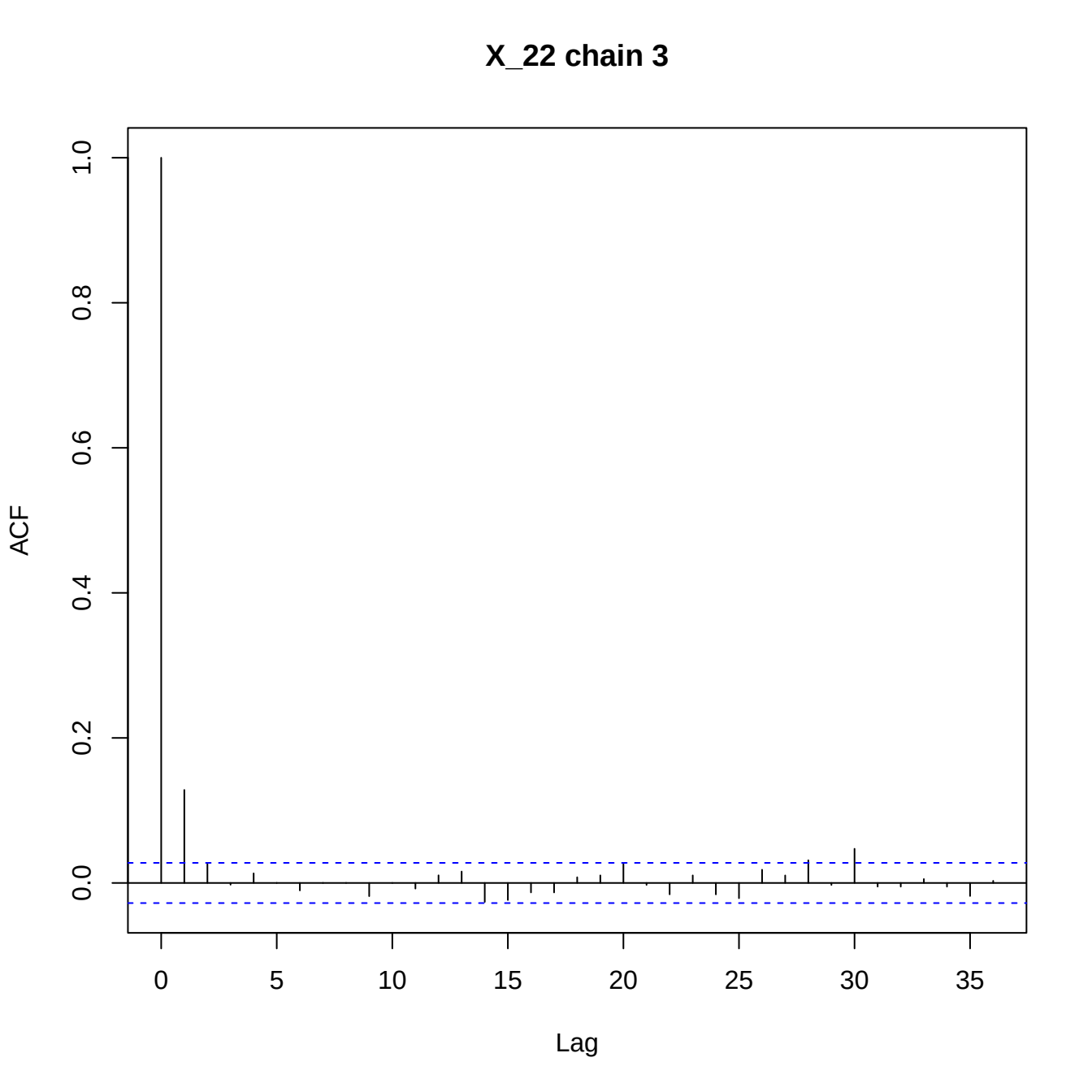
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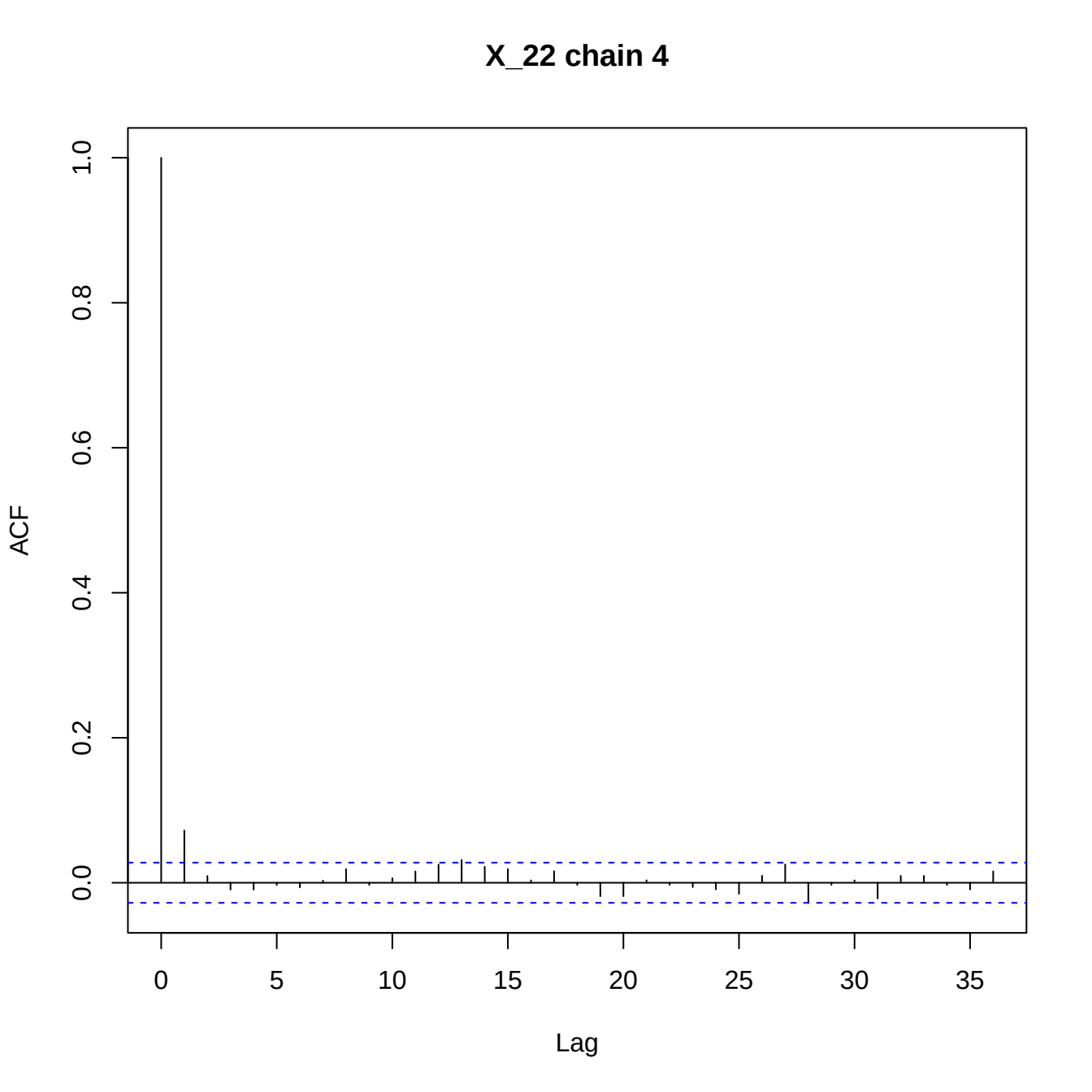
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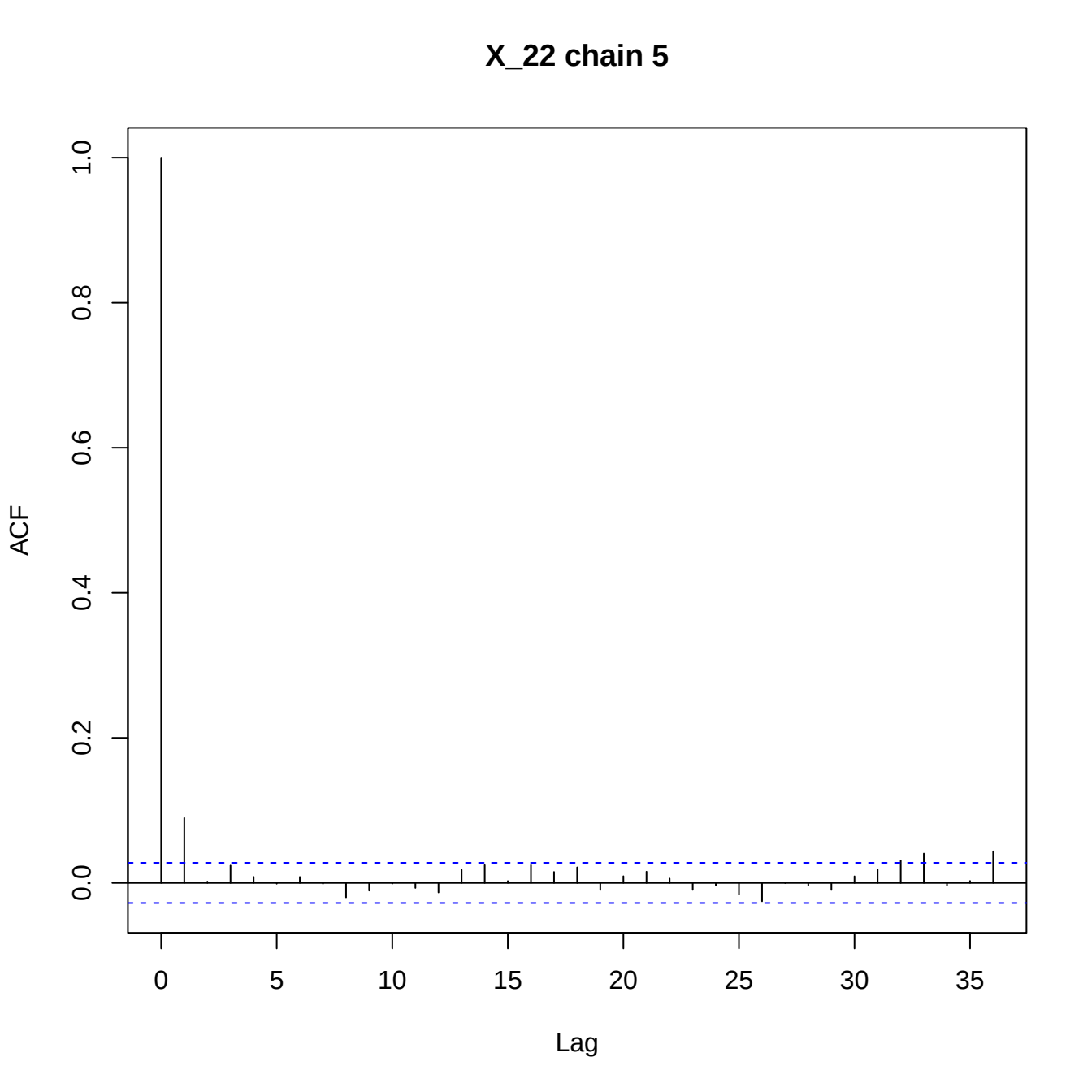
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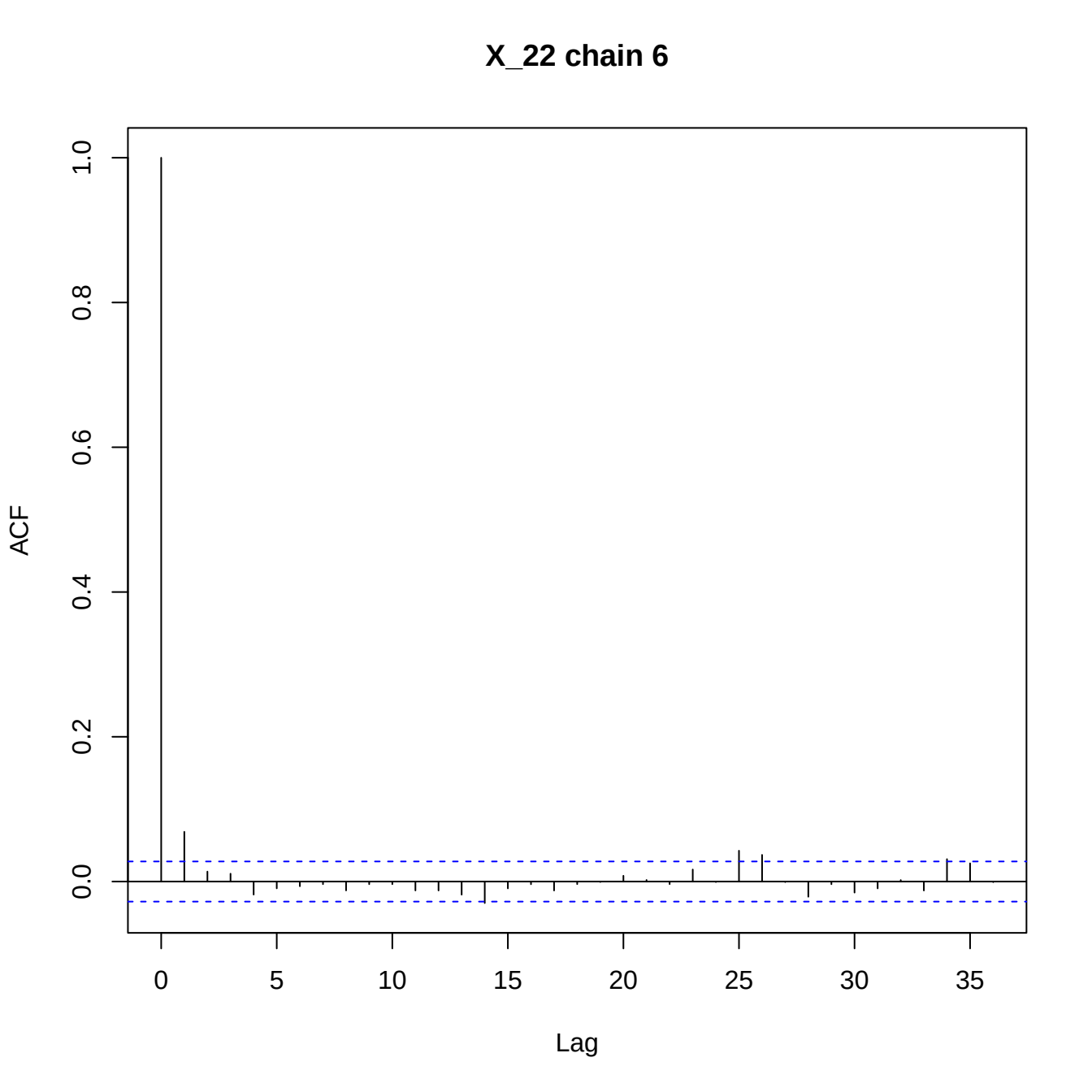
X_22 chain 6
ACF
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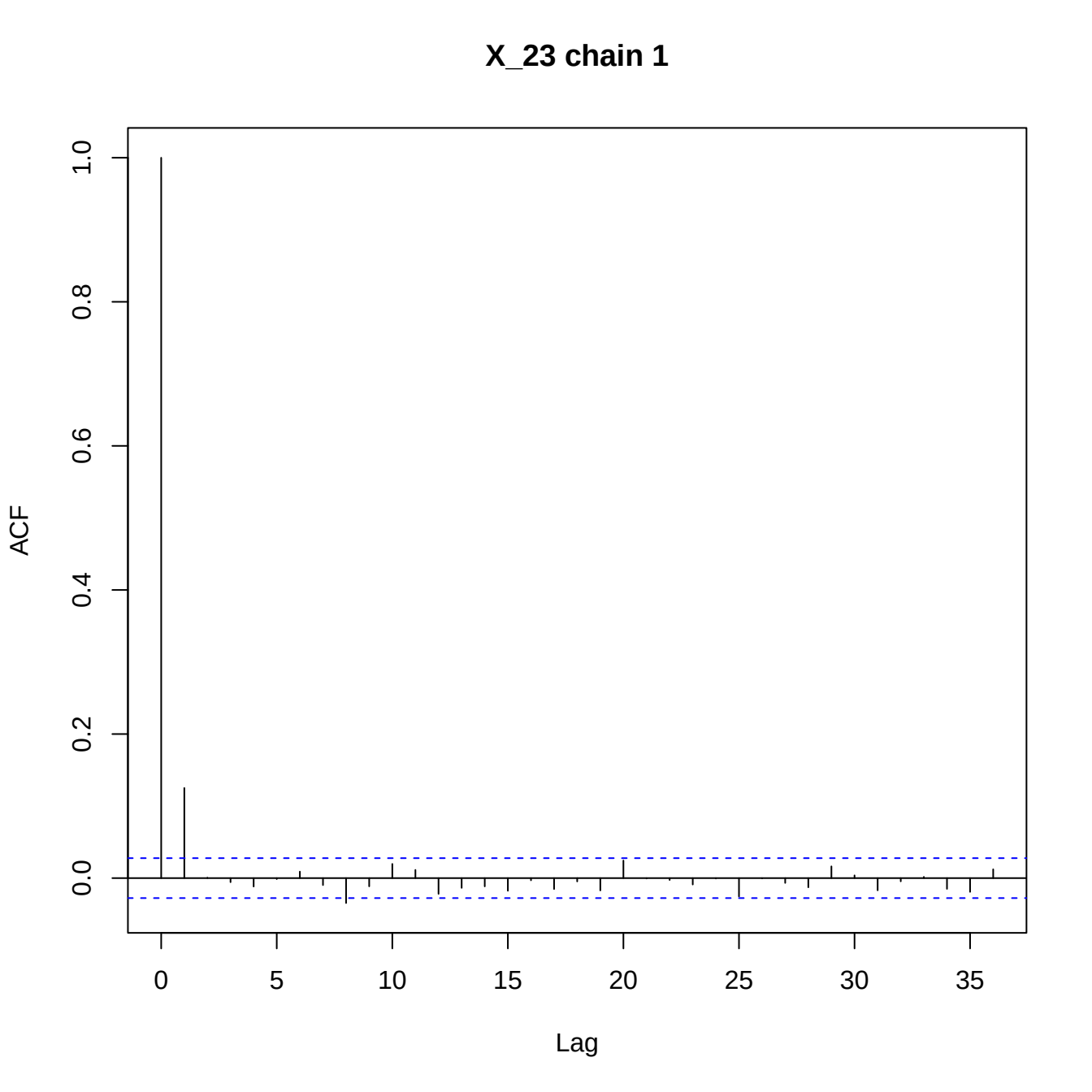
Lag


X_23 chain 1
ACF
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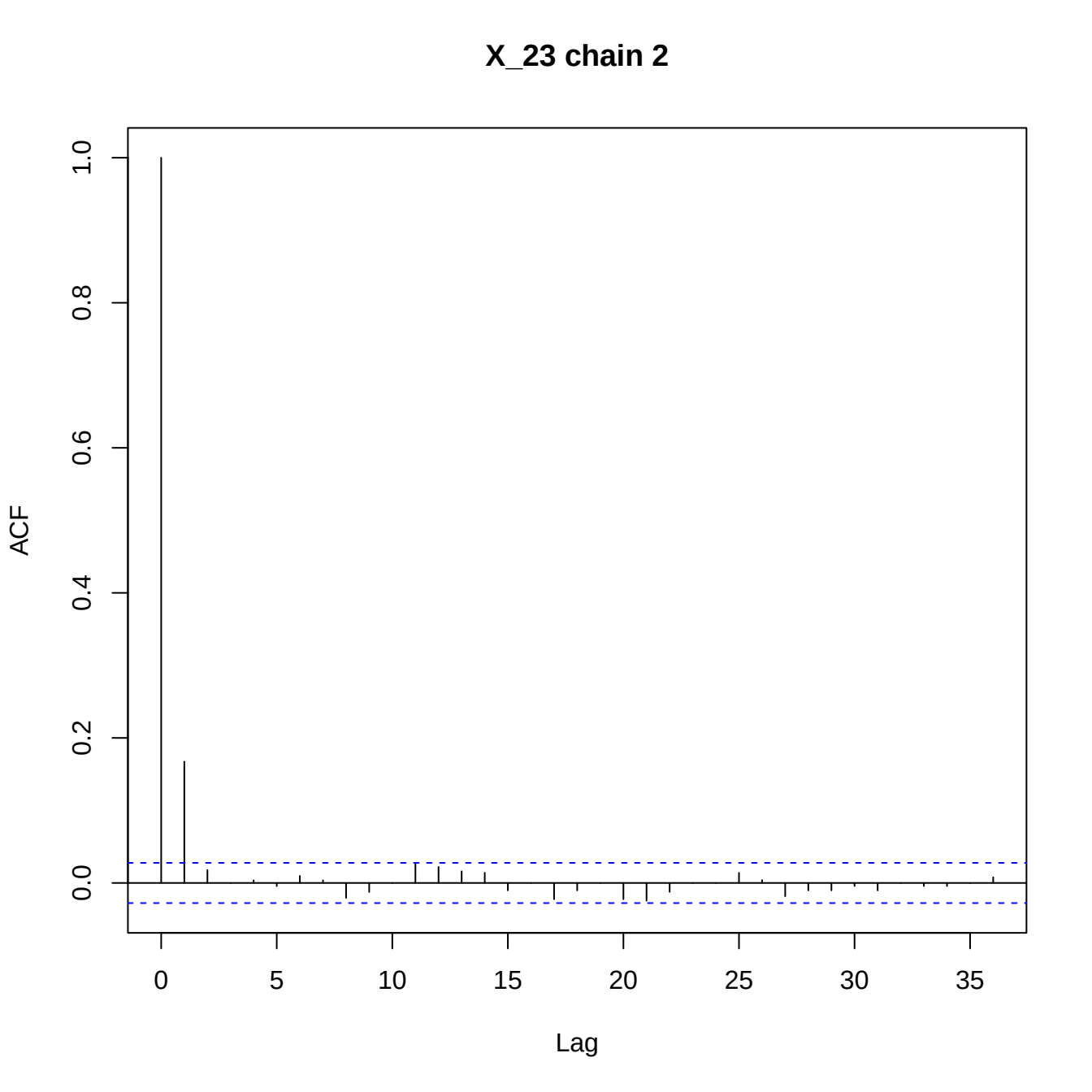
Lag


X_23 chain 2
ACF
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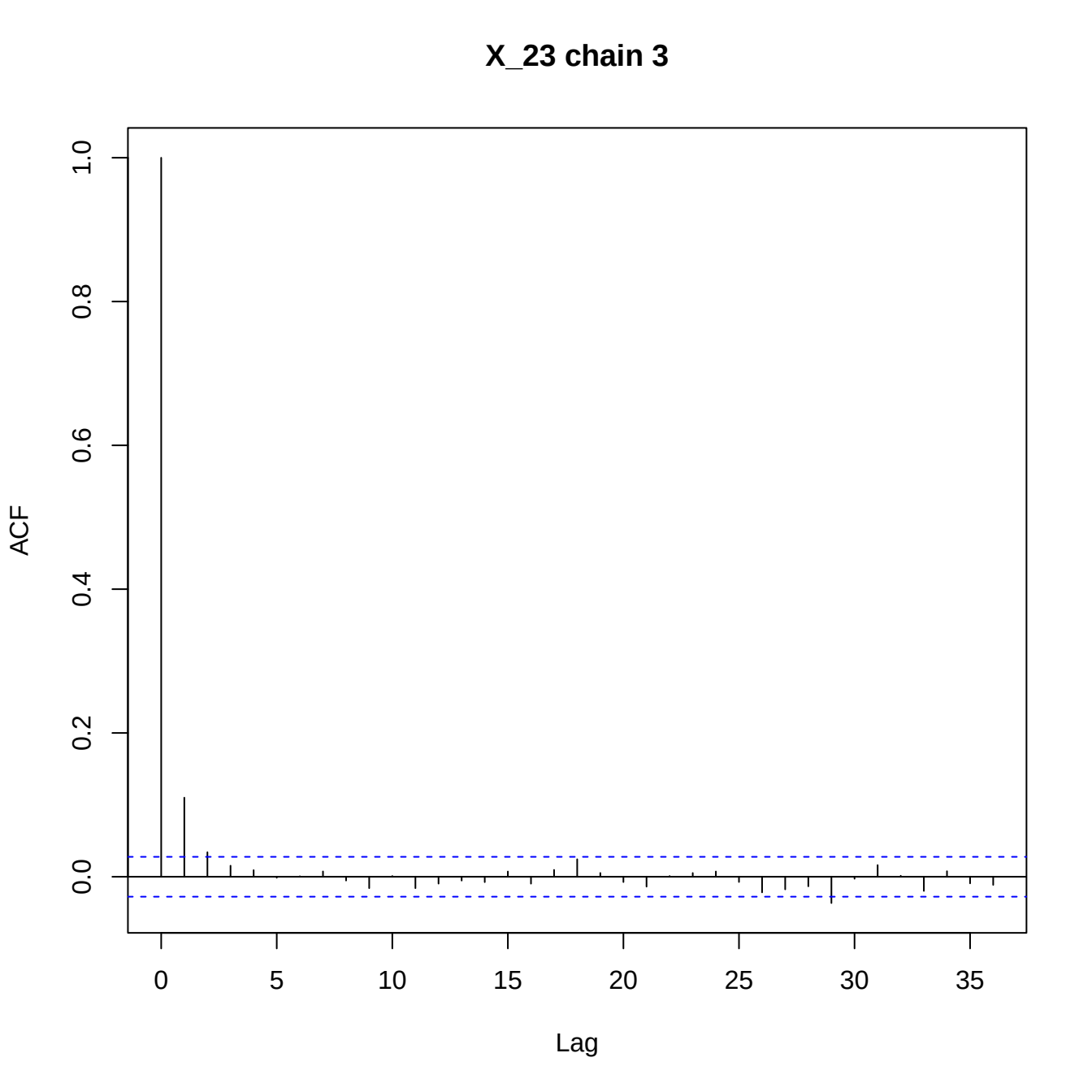
Lag


X_23 chain 3
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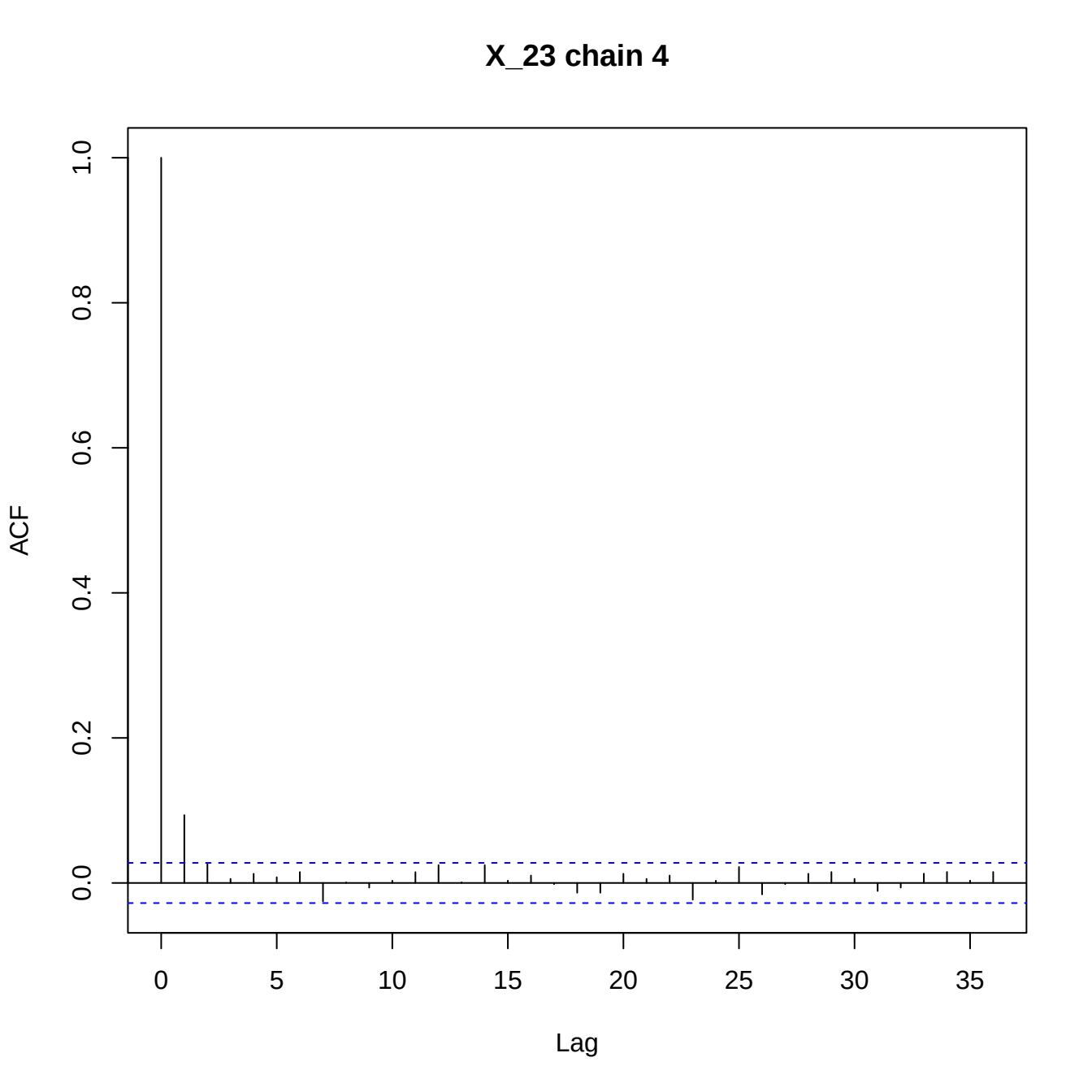
Lag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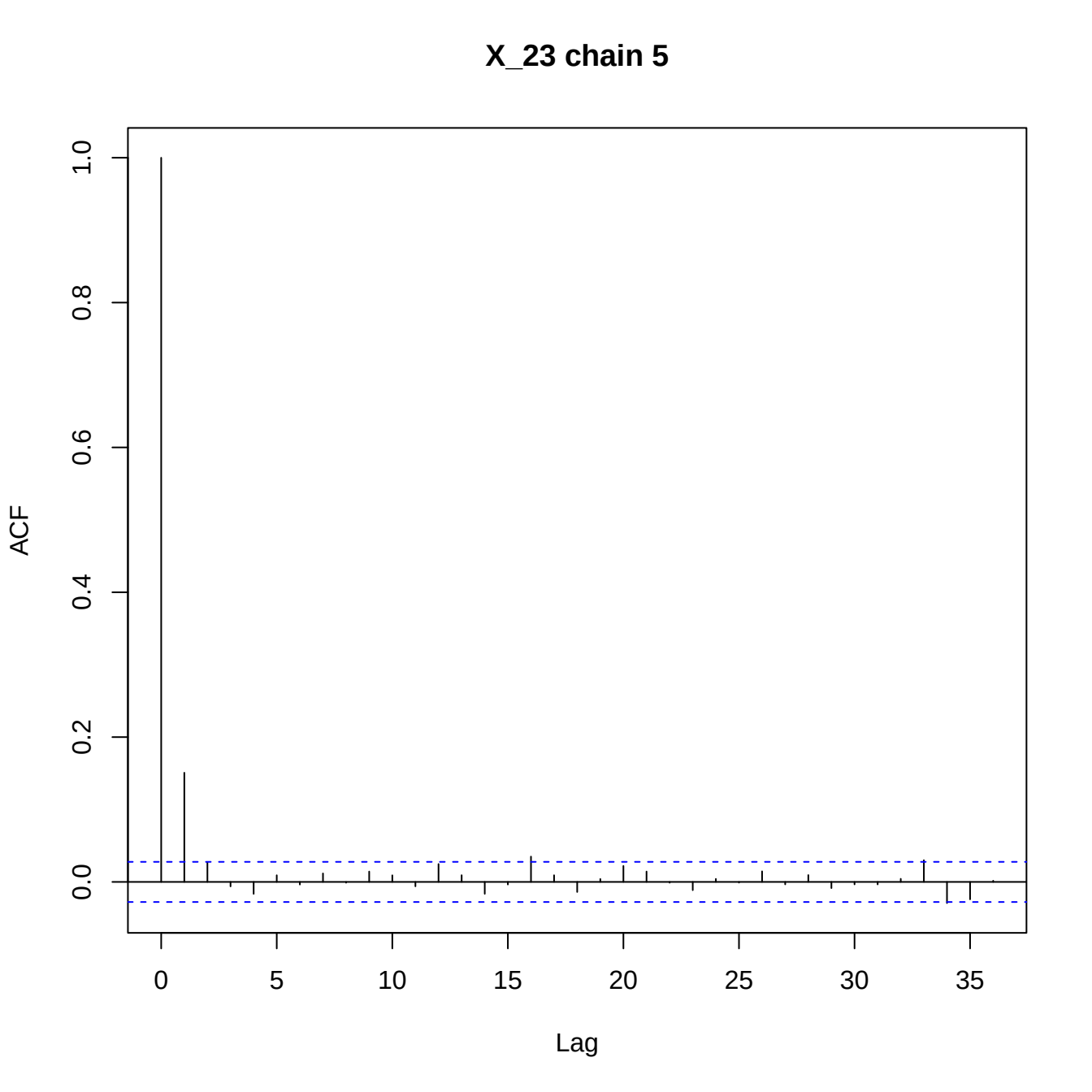
Lag


X_23 chain 5
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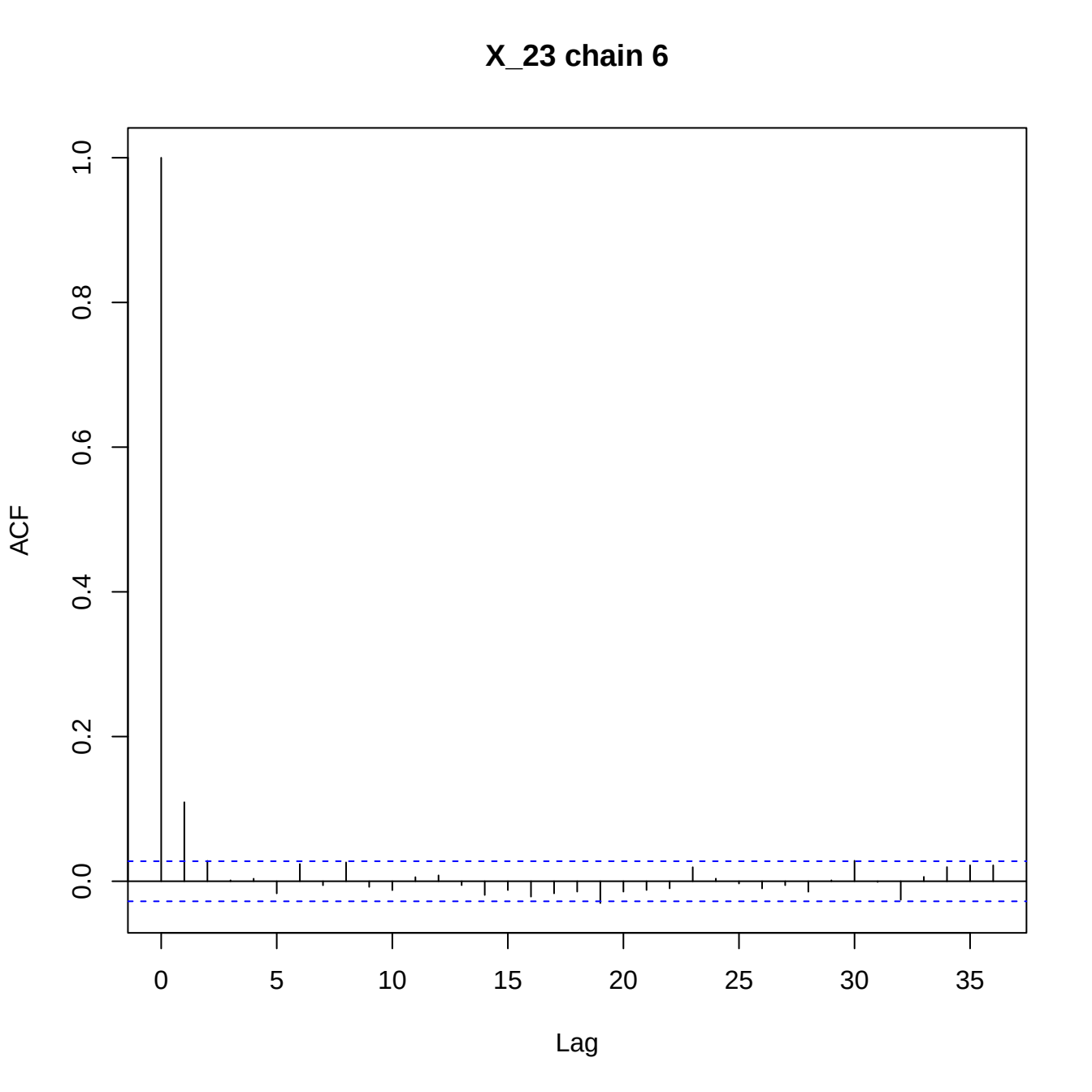
Lag


X_23 chain 6
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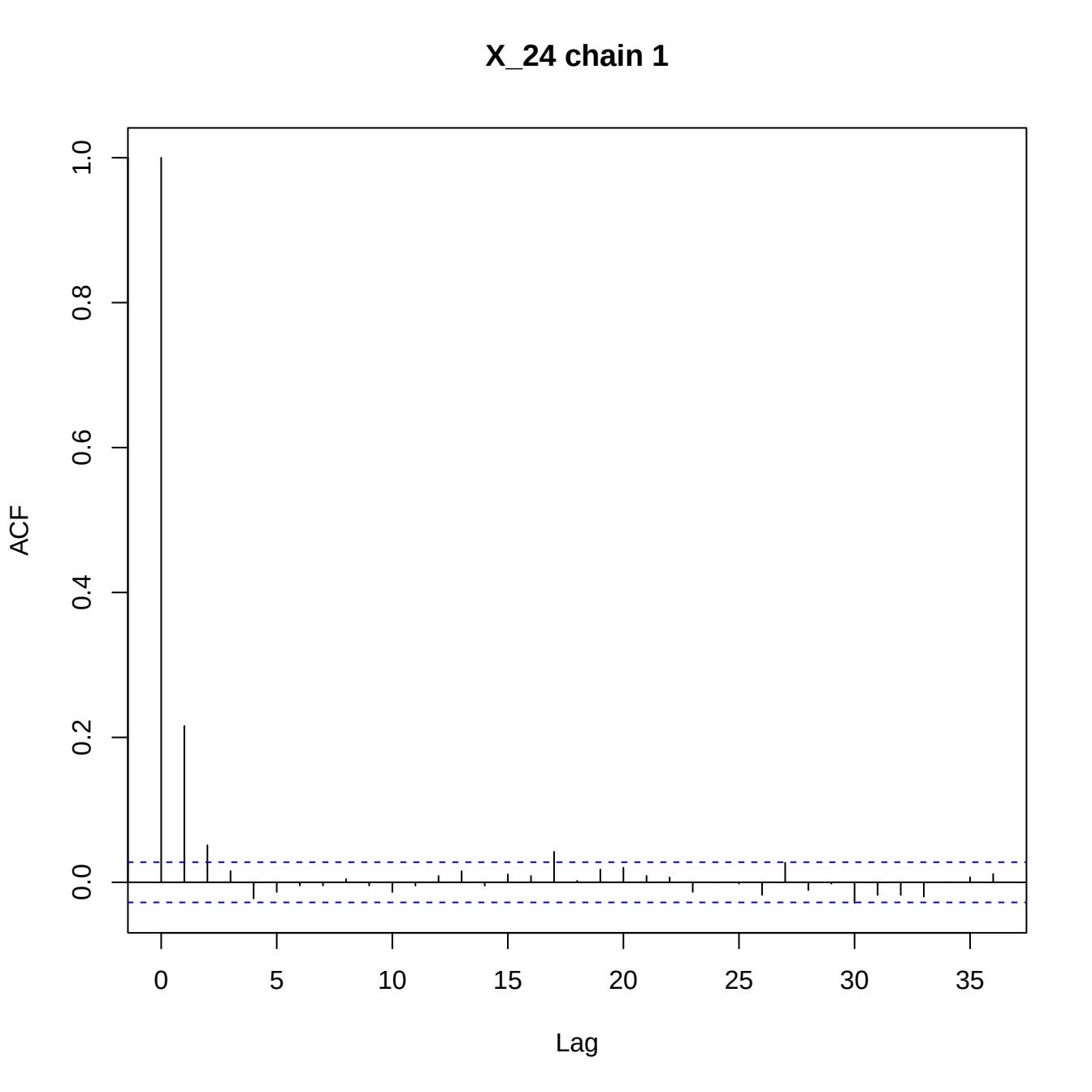
Lag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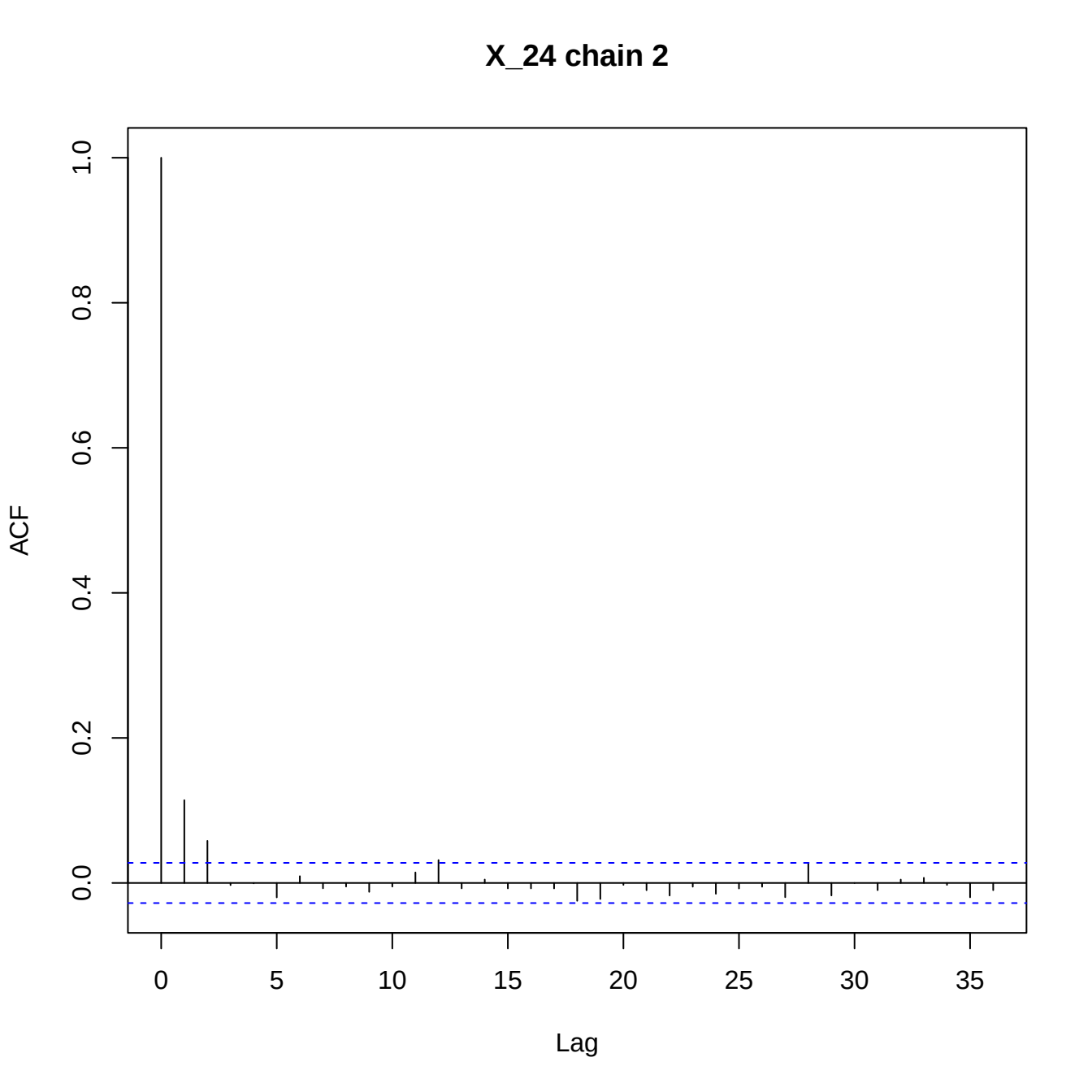
Lag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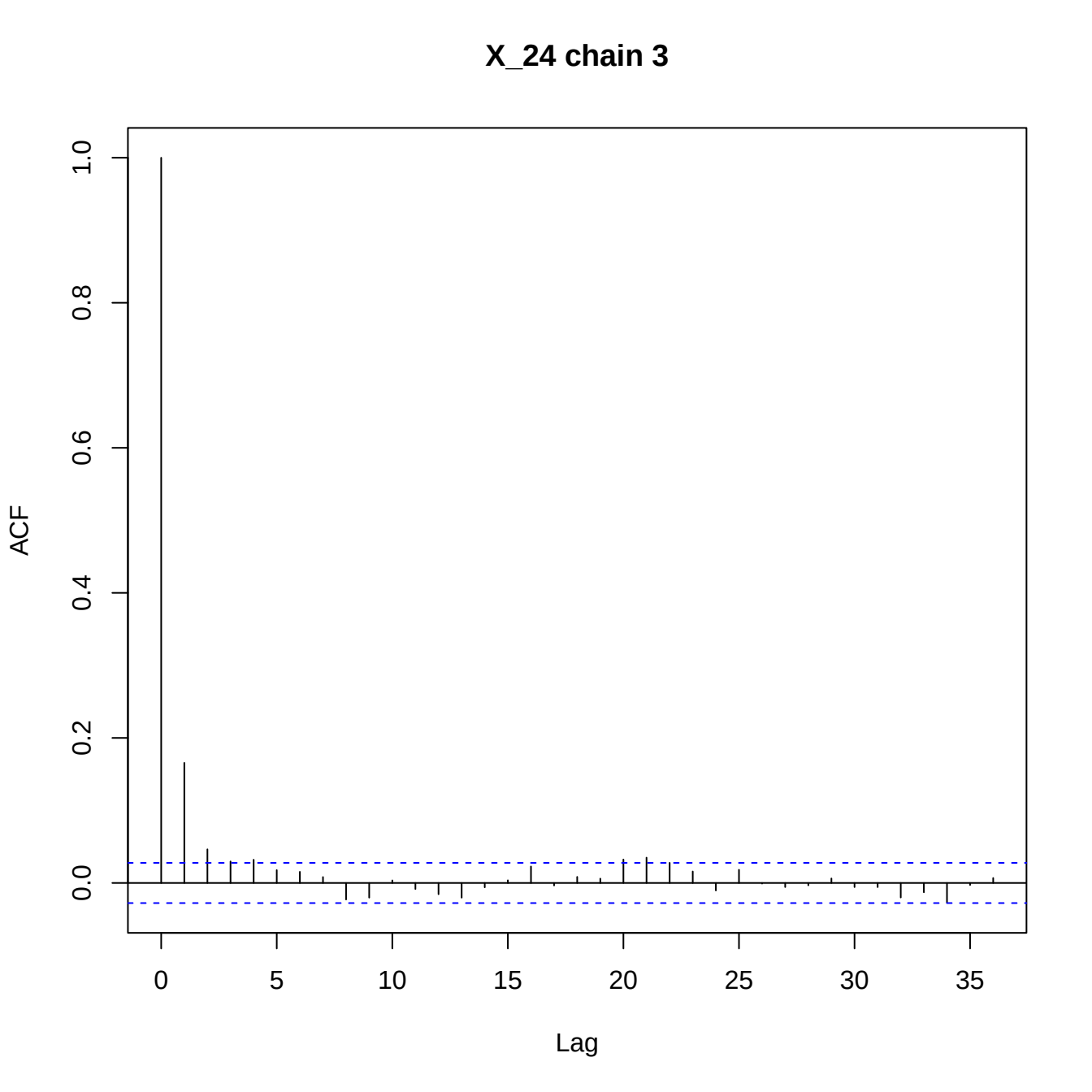
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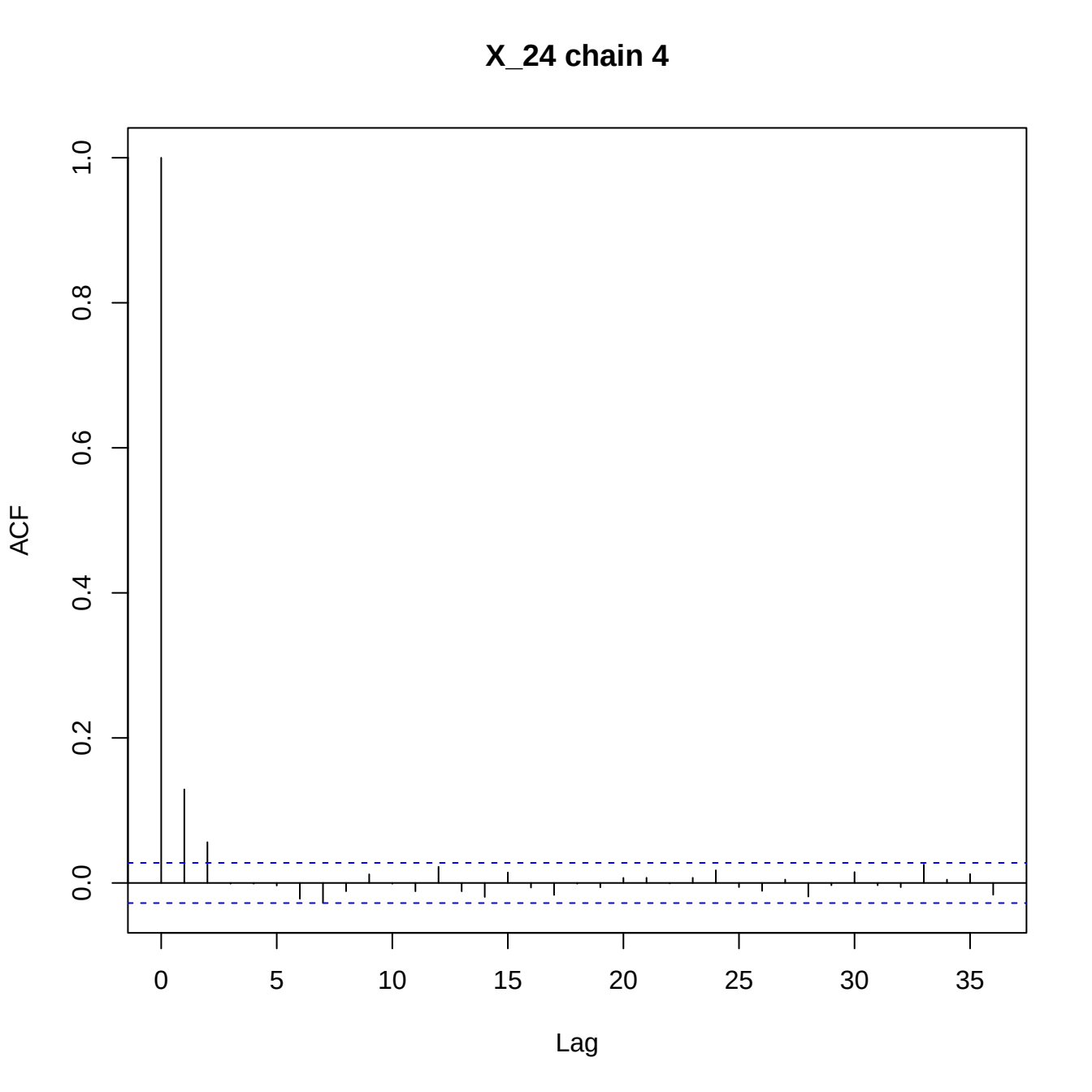
X_24 chain 4
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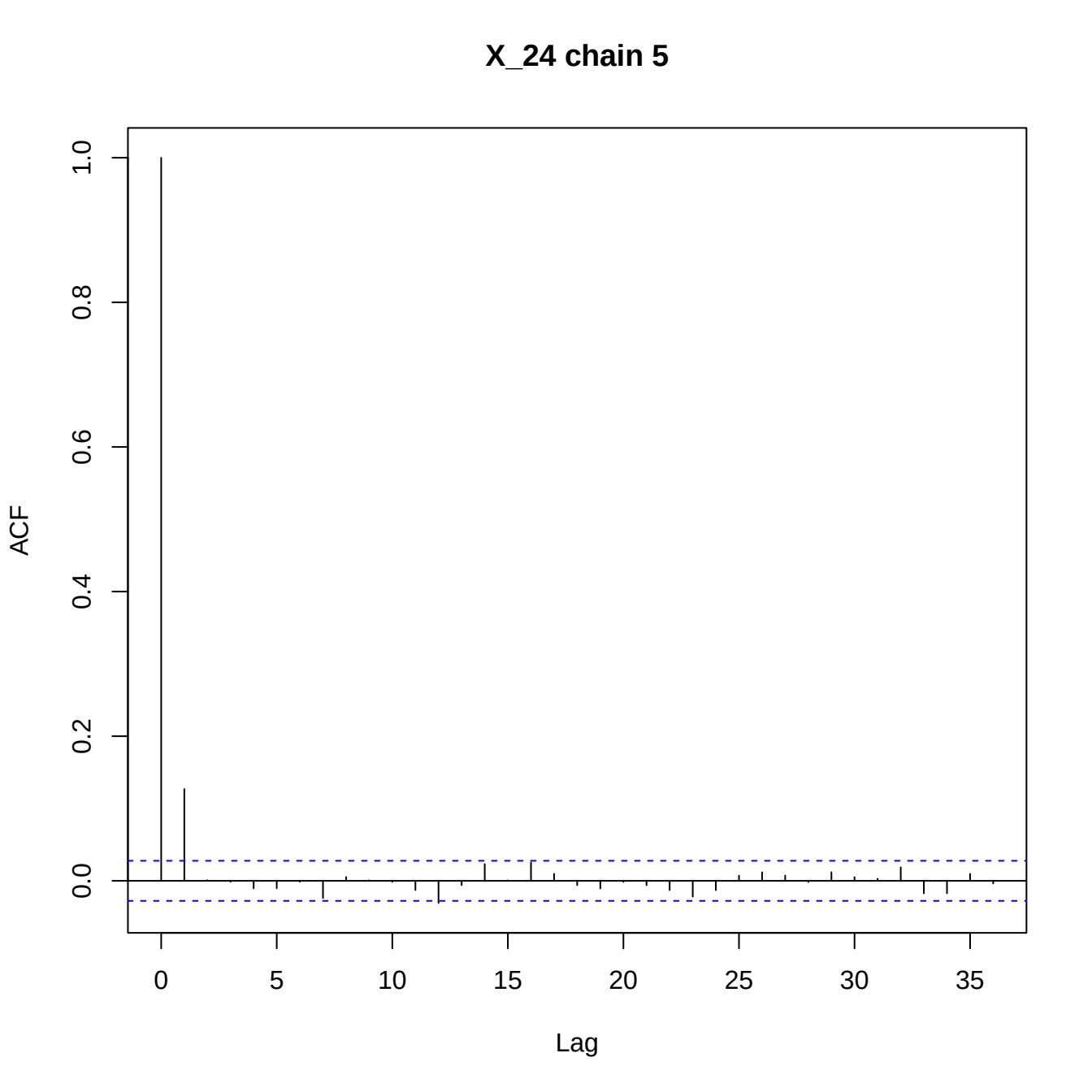
Lag


X_24 chain 5
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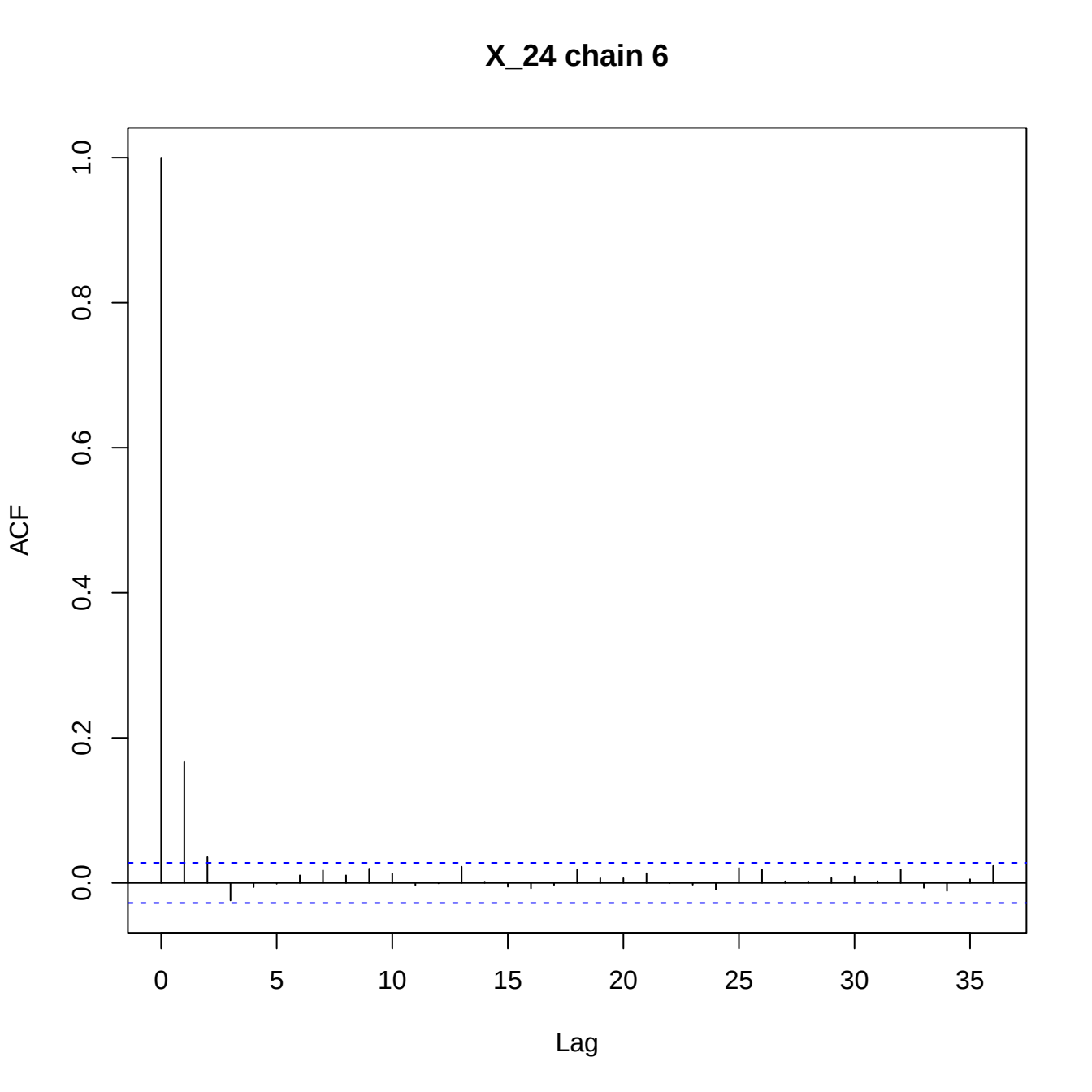
Lag


X_24 chain 6
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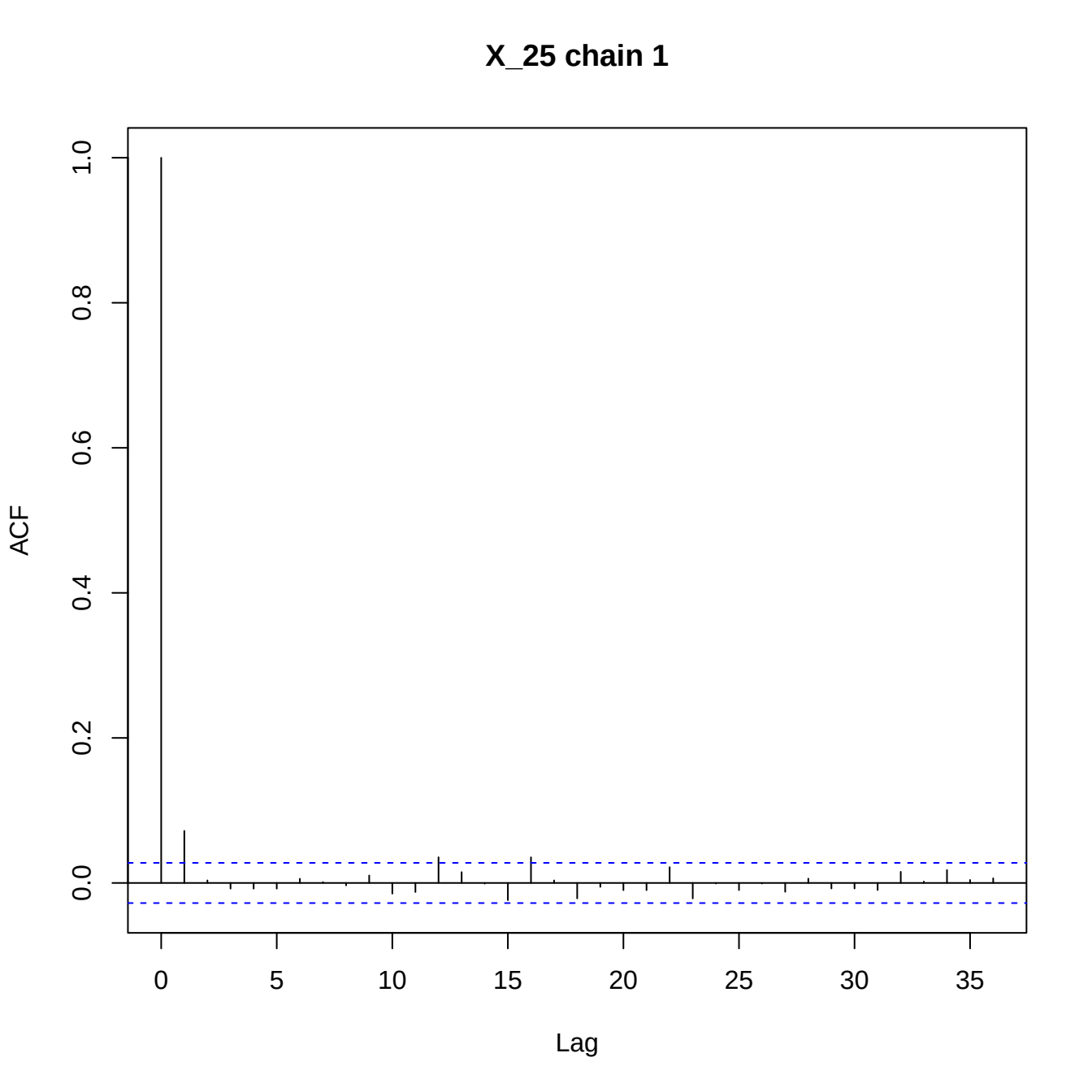
Lag


X_25 chain 1
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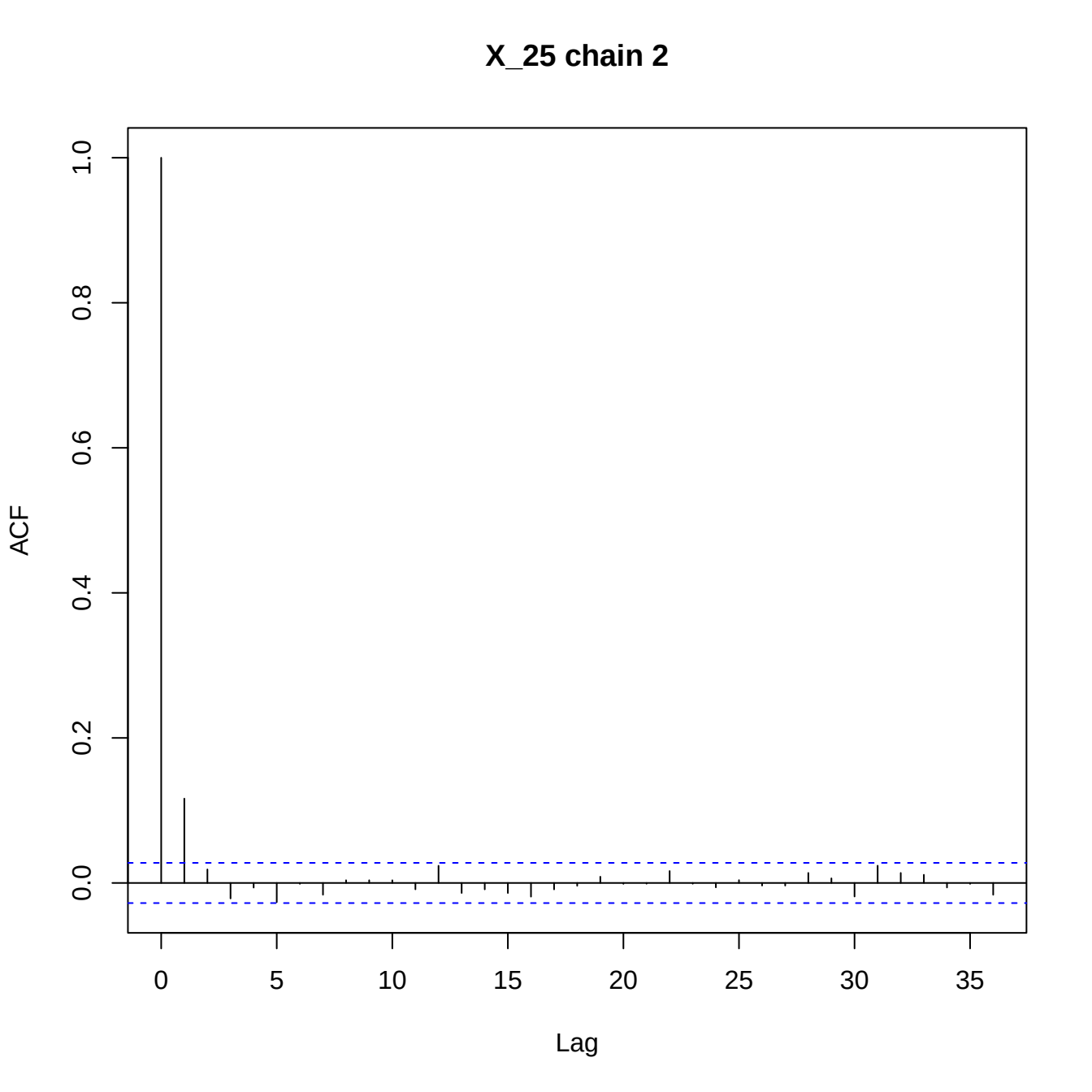
X_25 chain 2
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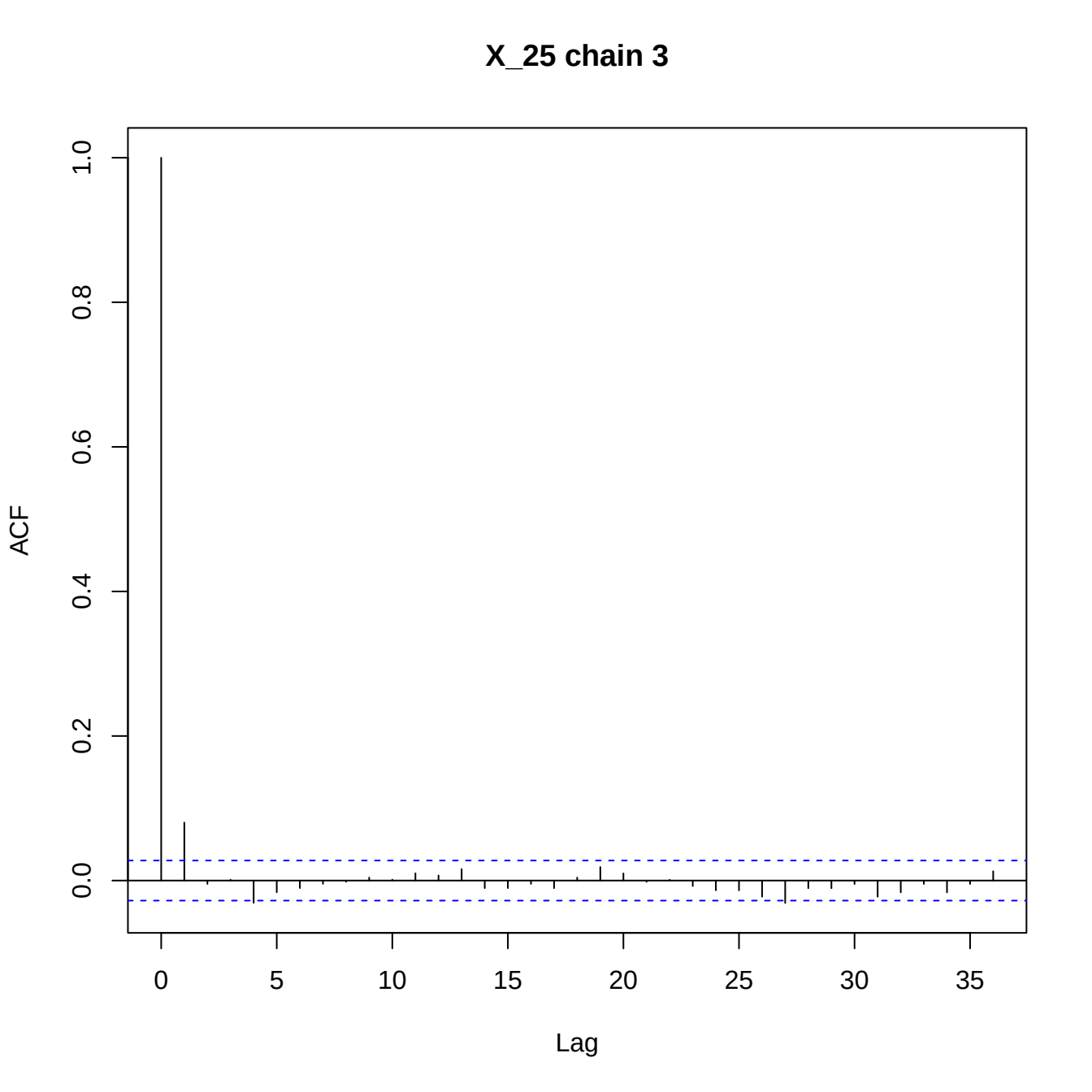
Lag


X_25 chain 3
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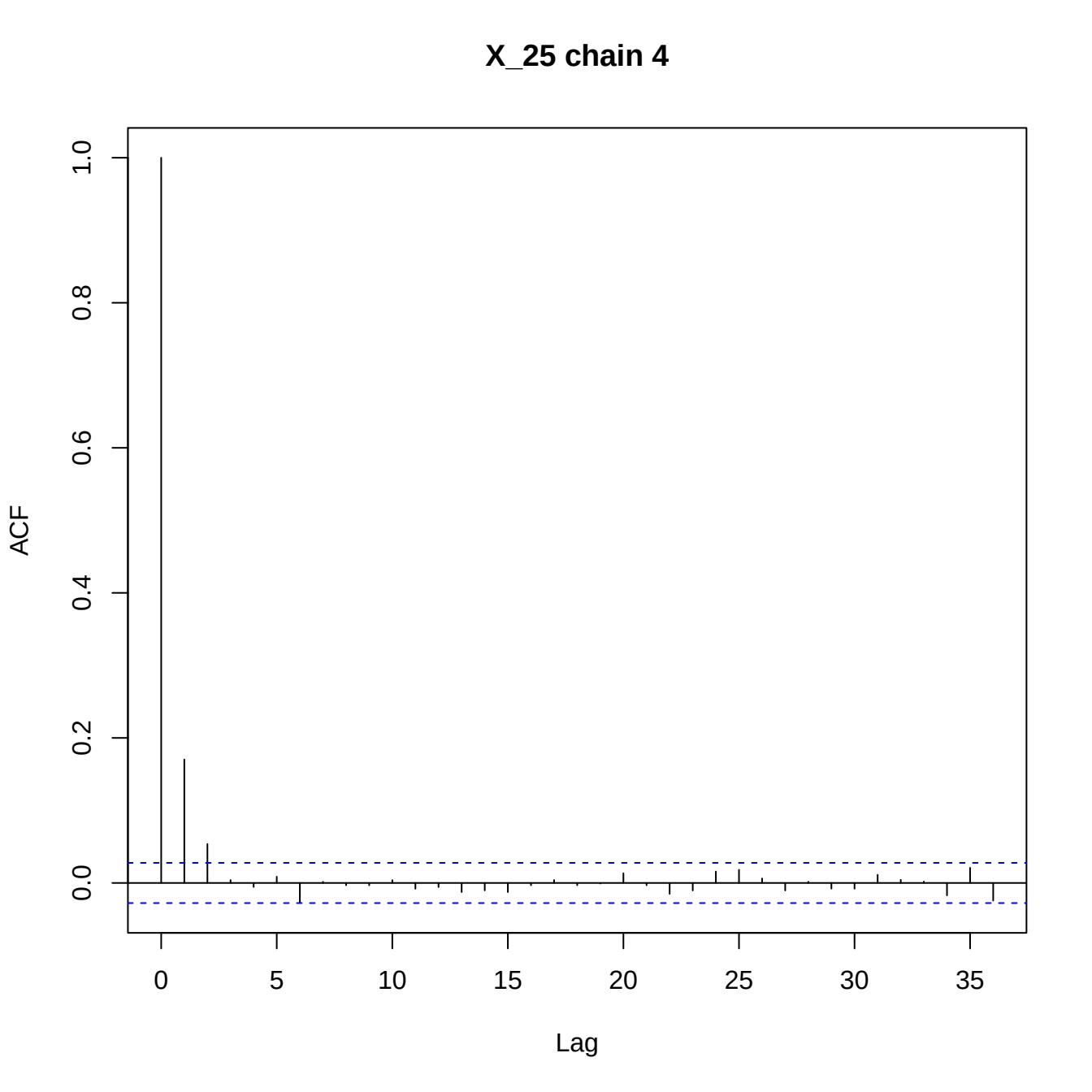
Lag


X_25 chain 4
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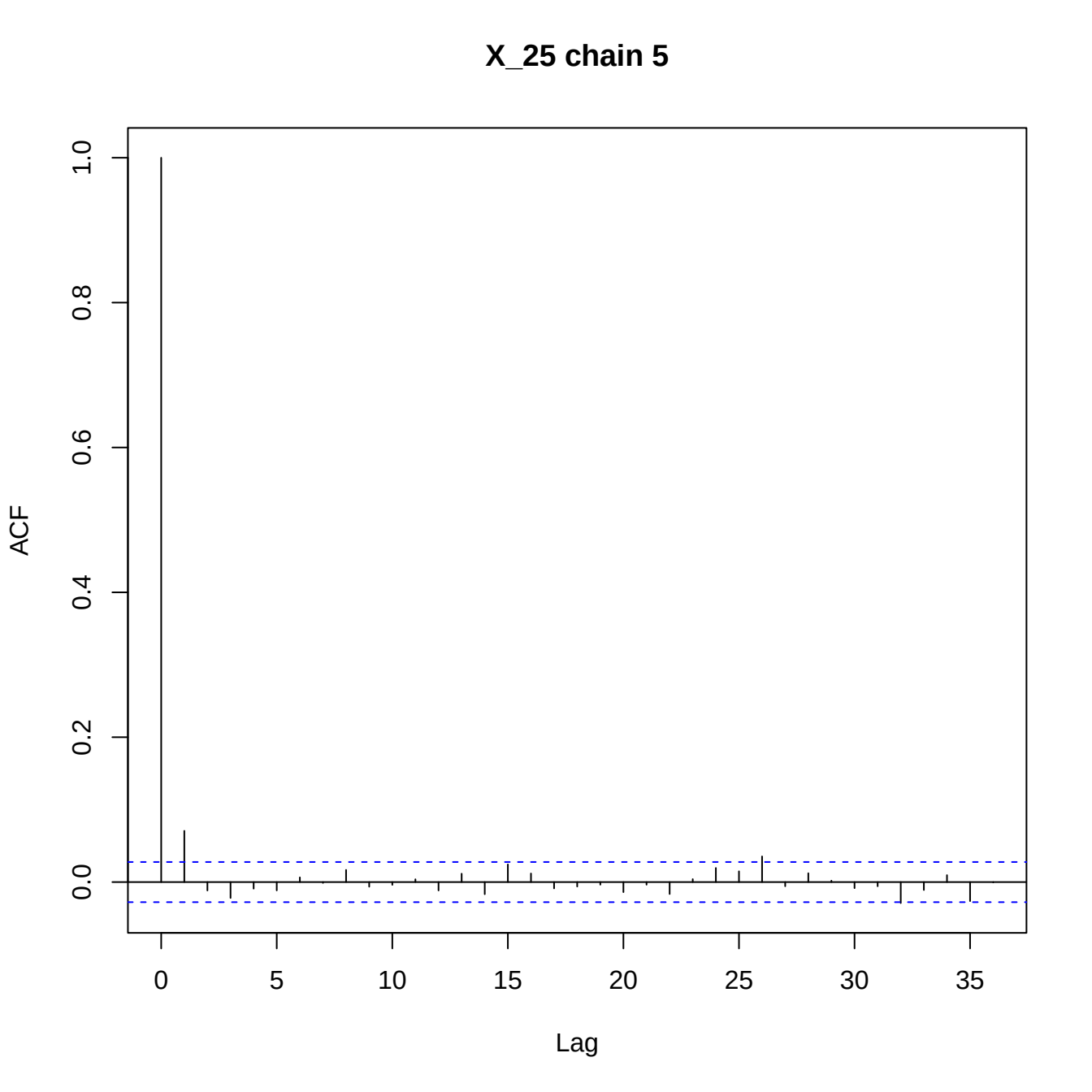
Lag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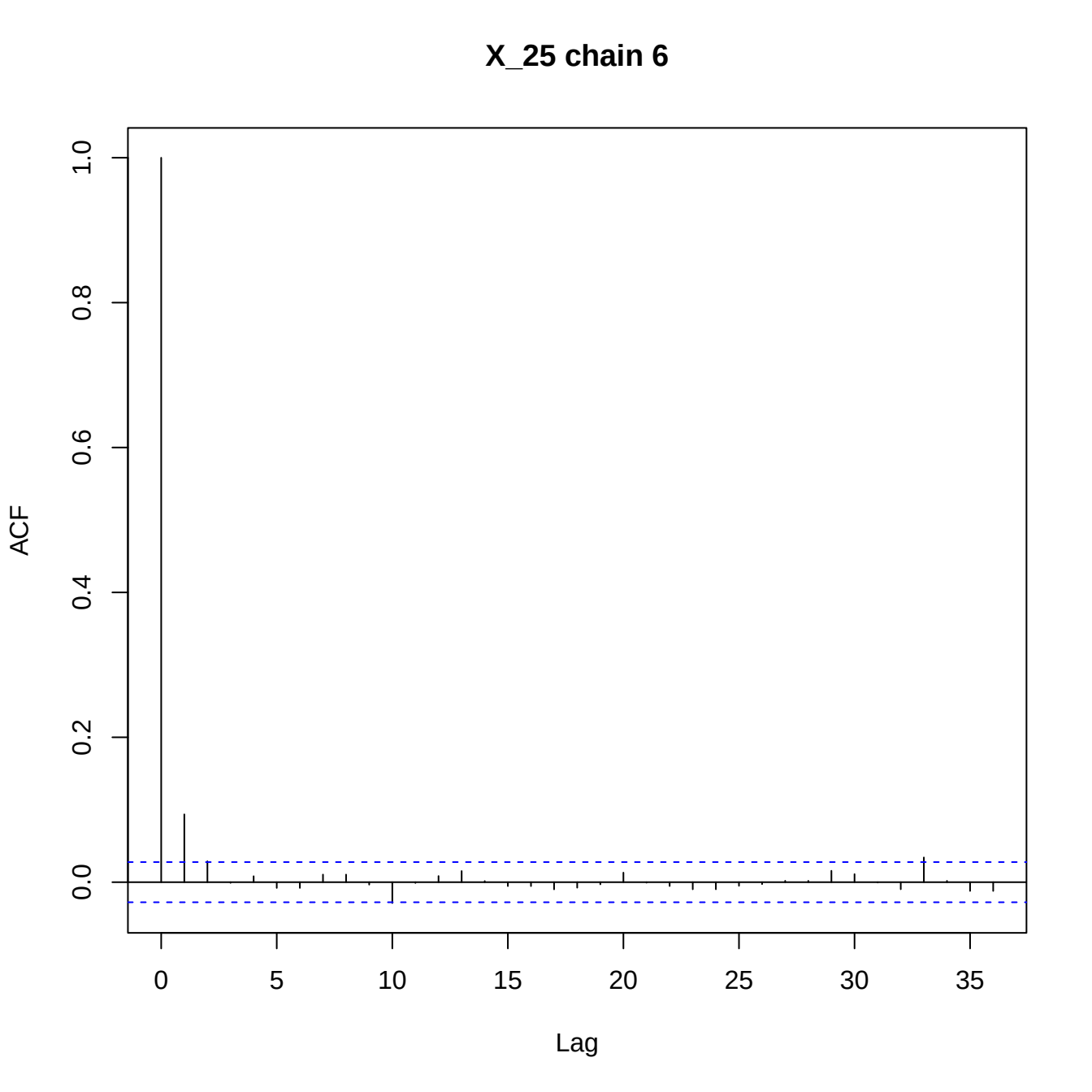
Lag


X_25 chain 6
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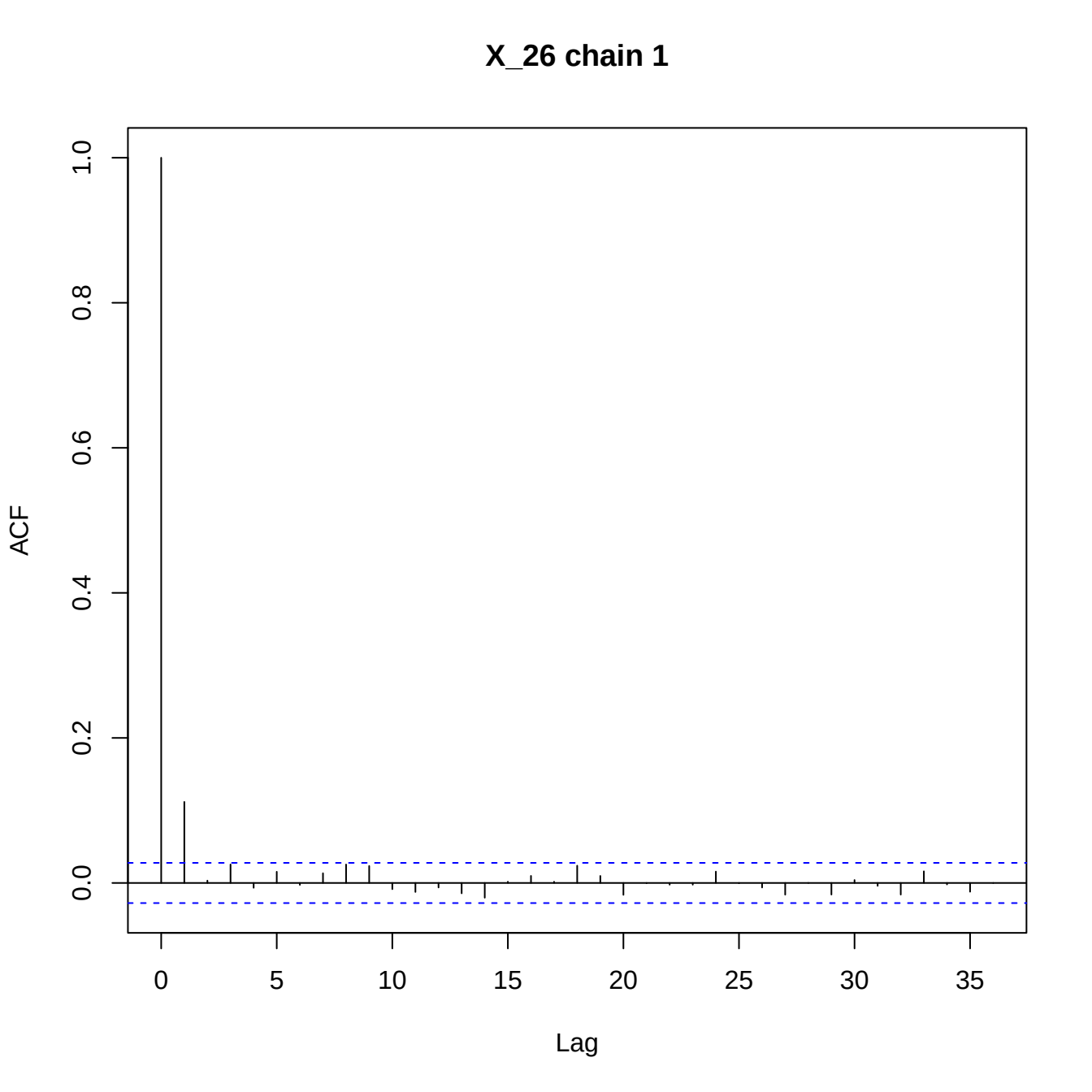
Lag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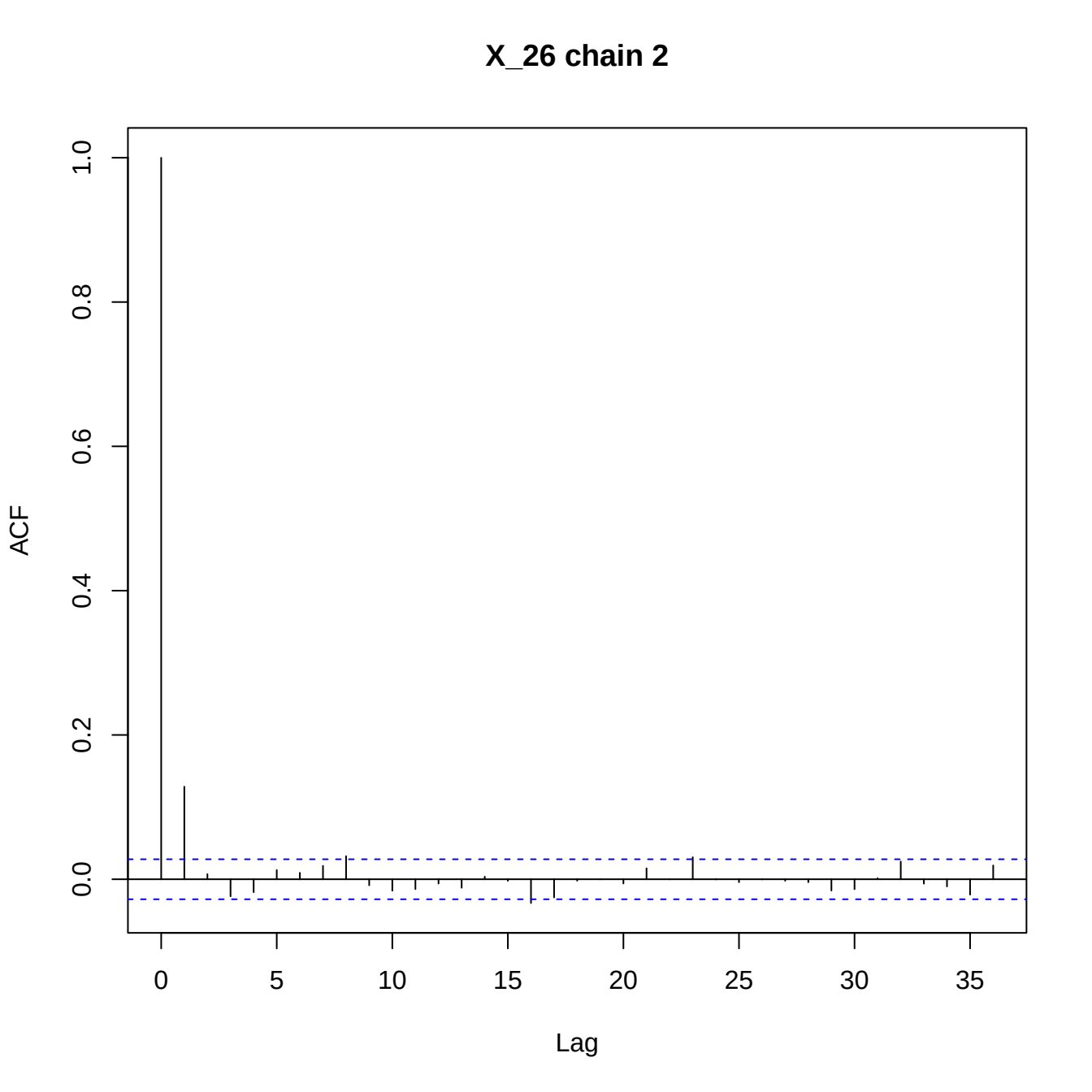
Lag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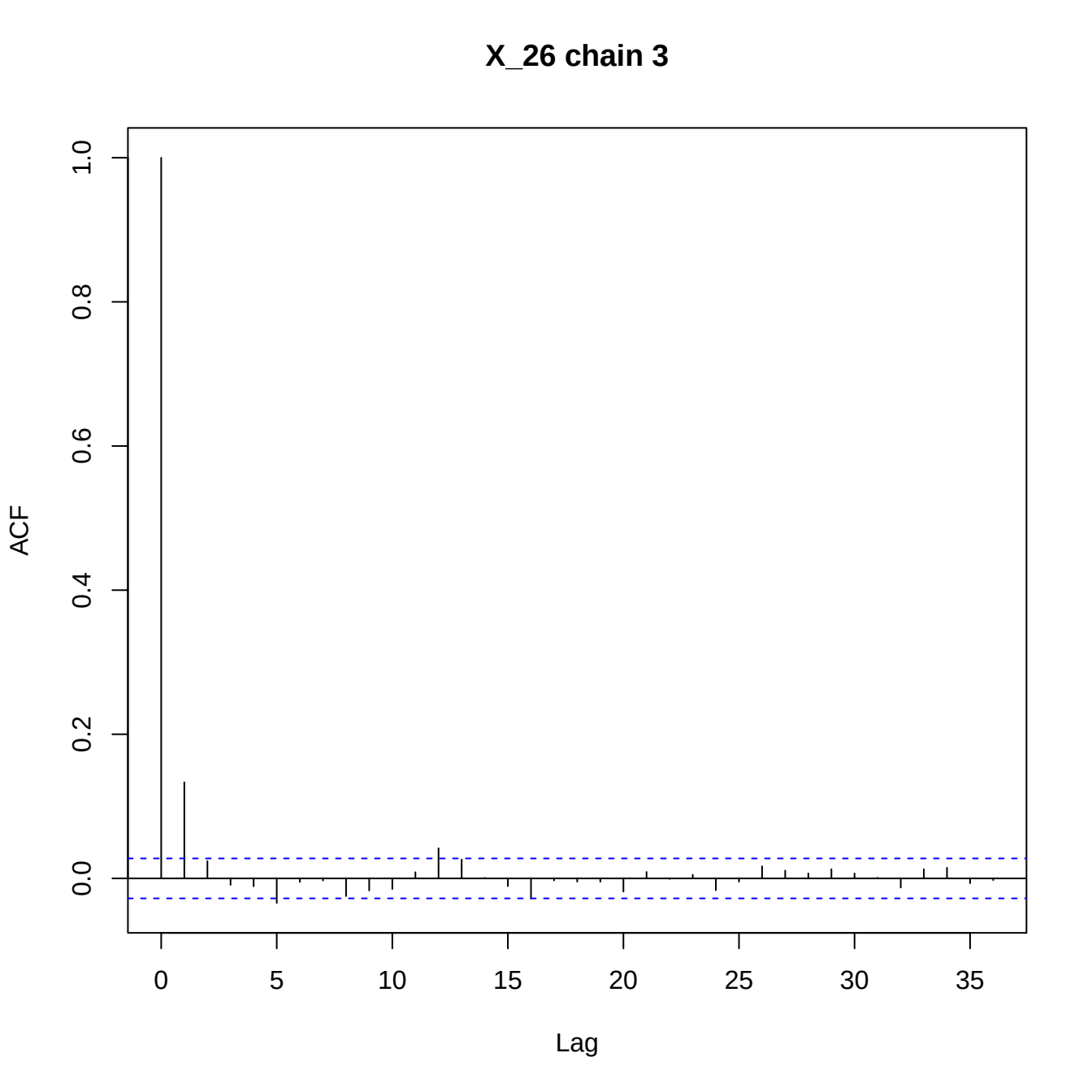
Lag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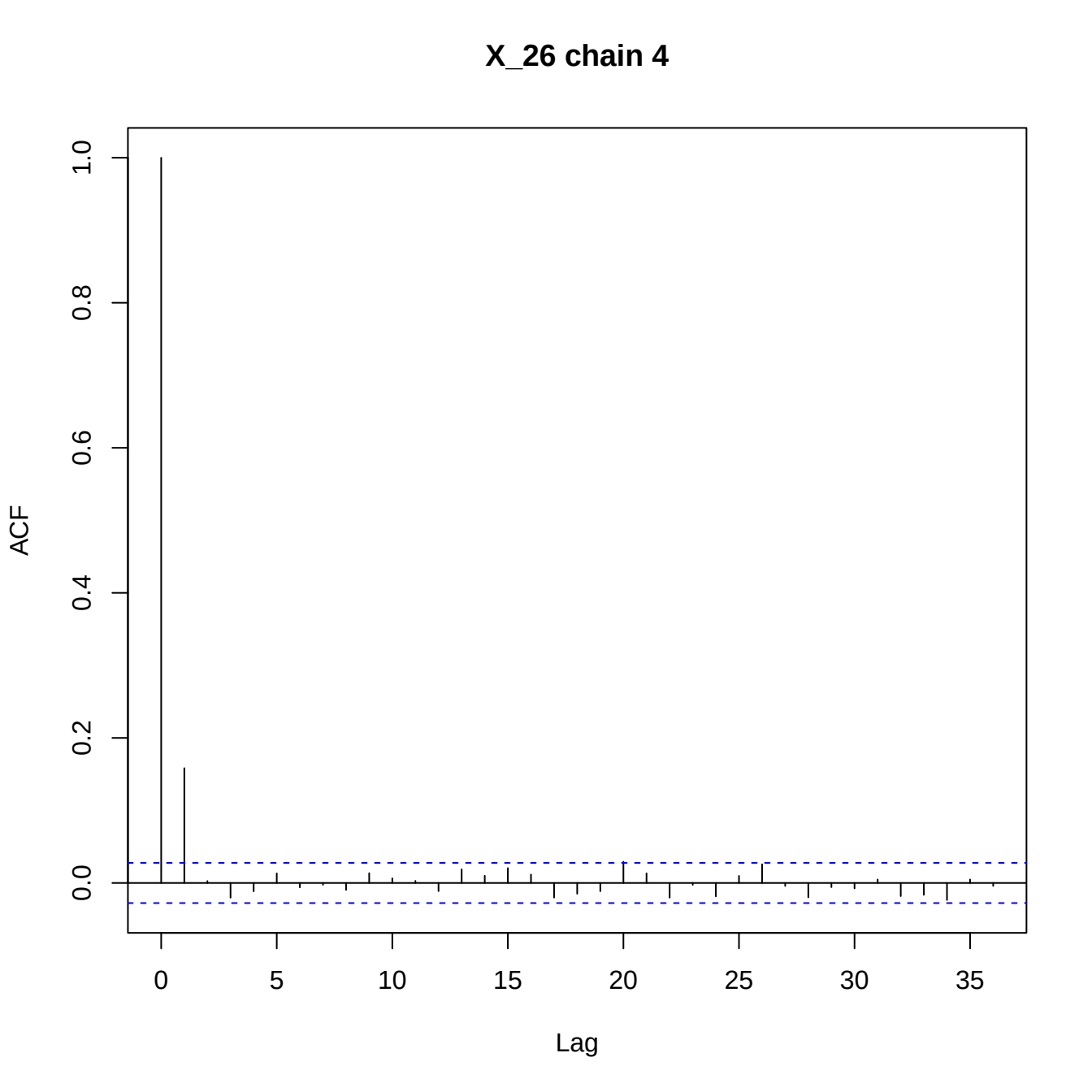
Lag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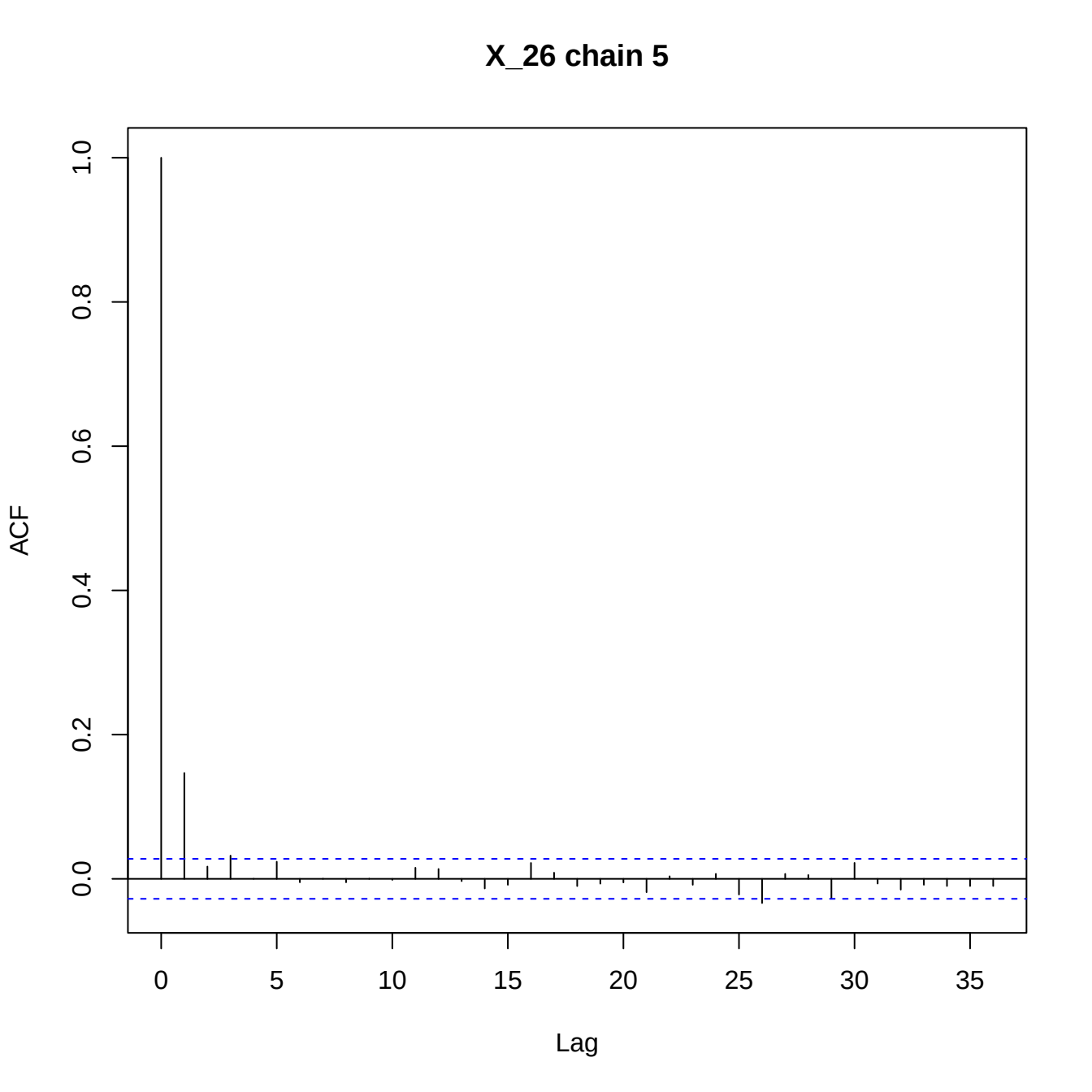
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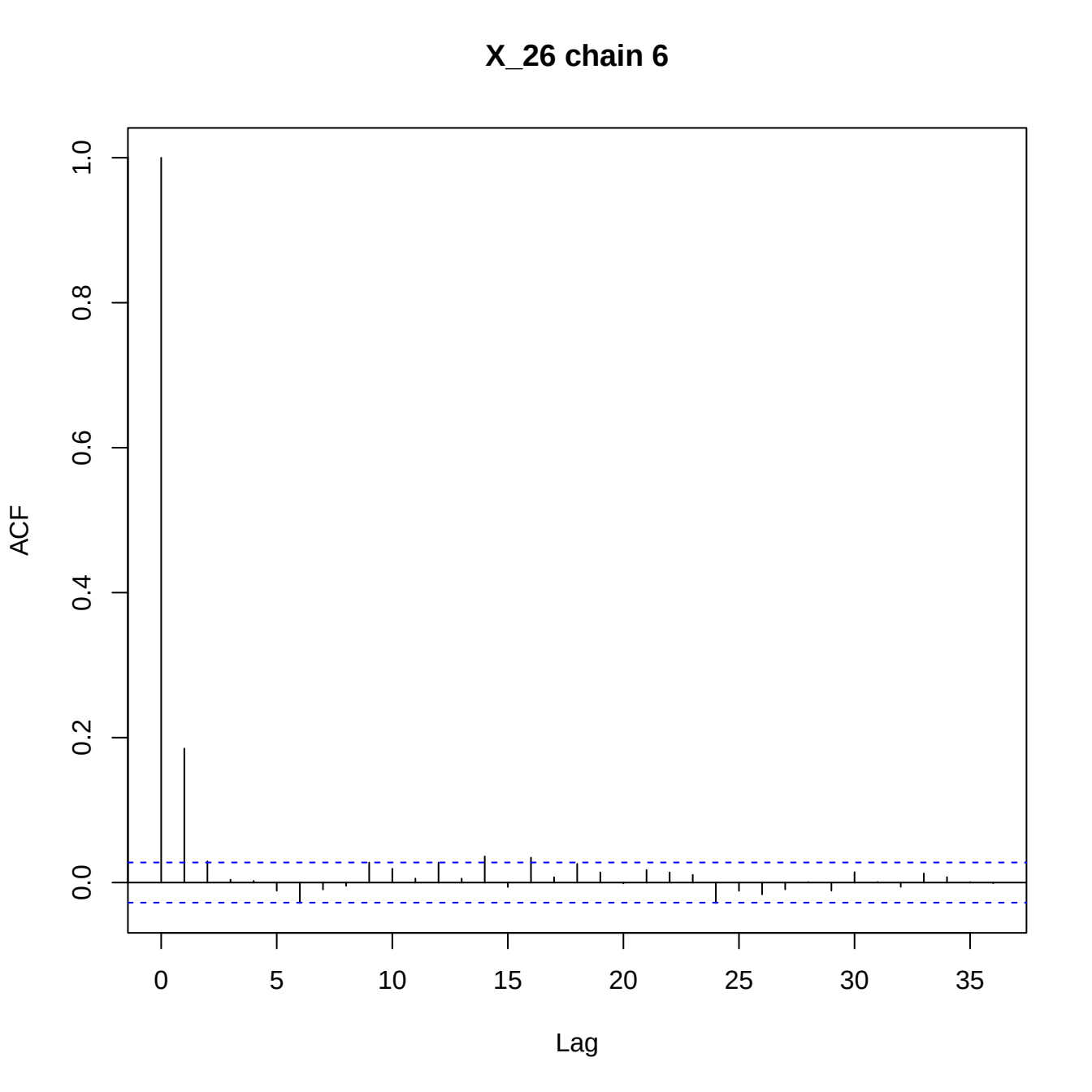
Lag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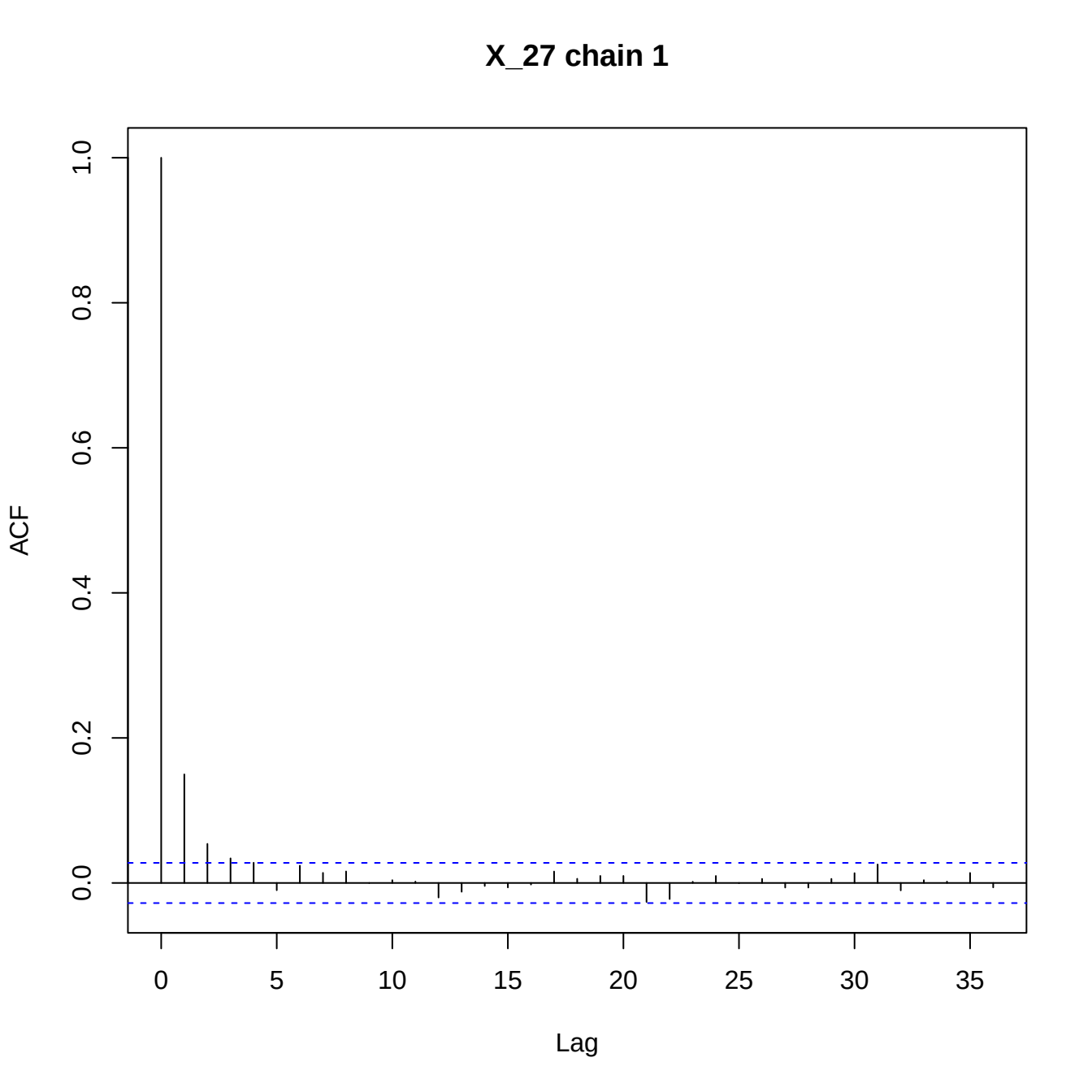
Lag


X_27 chain 1
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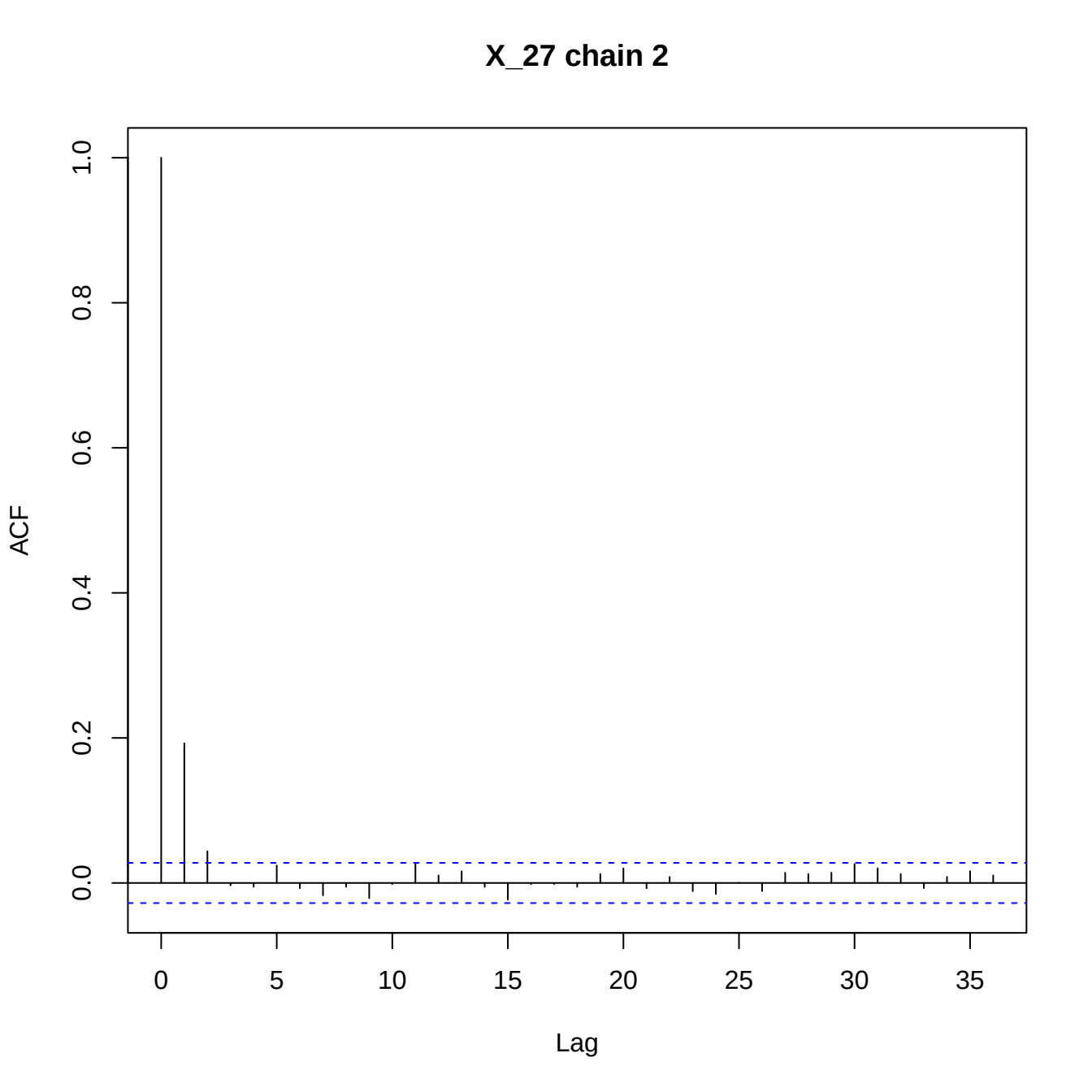
Lag


X_27 chain 2
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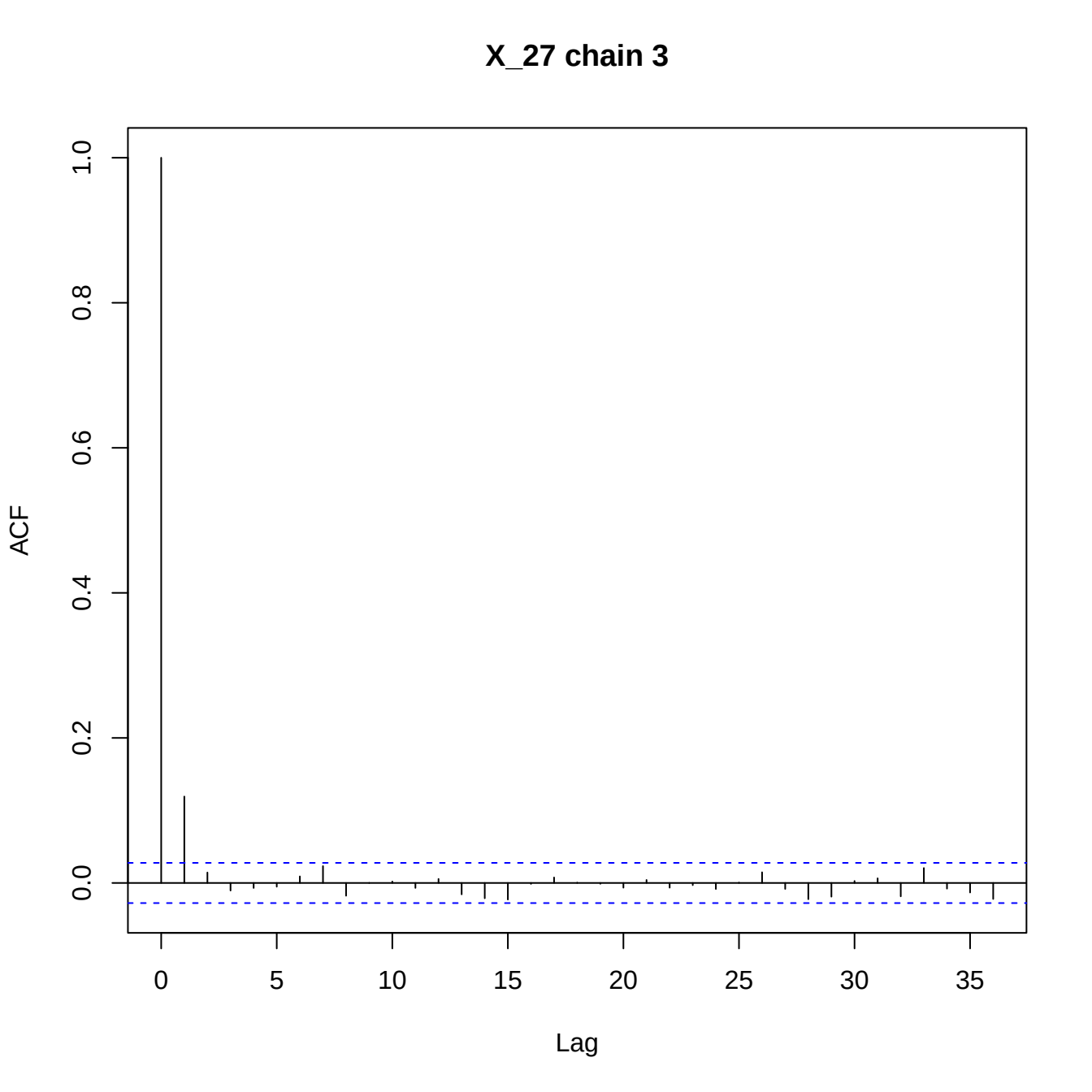
Lag


X_27 chain 3
ACF
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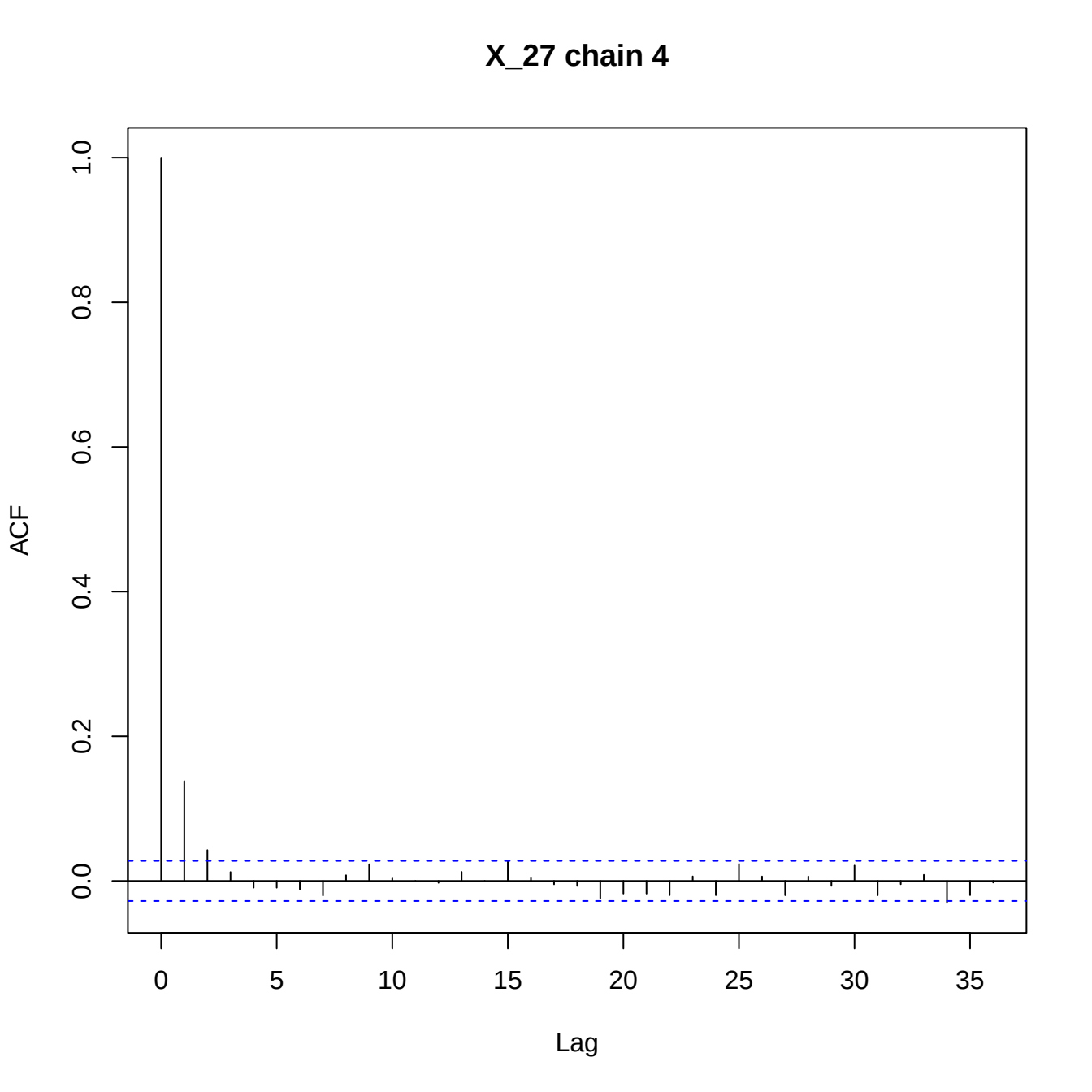
Lag


X_27 chain 4
ACF
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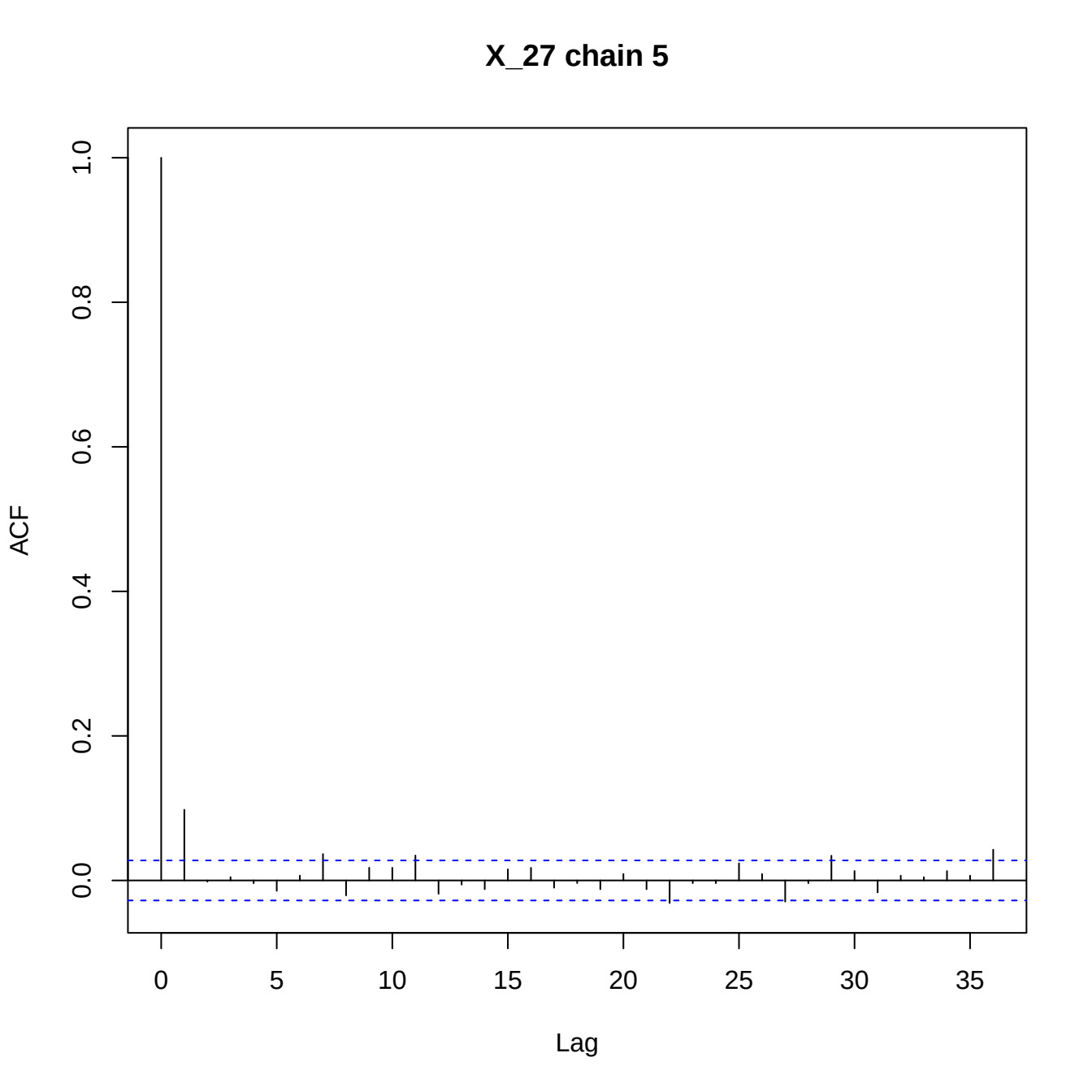
Lag


X_27 chain 5
ACF
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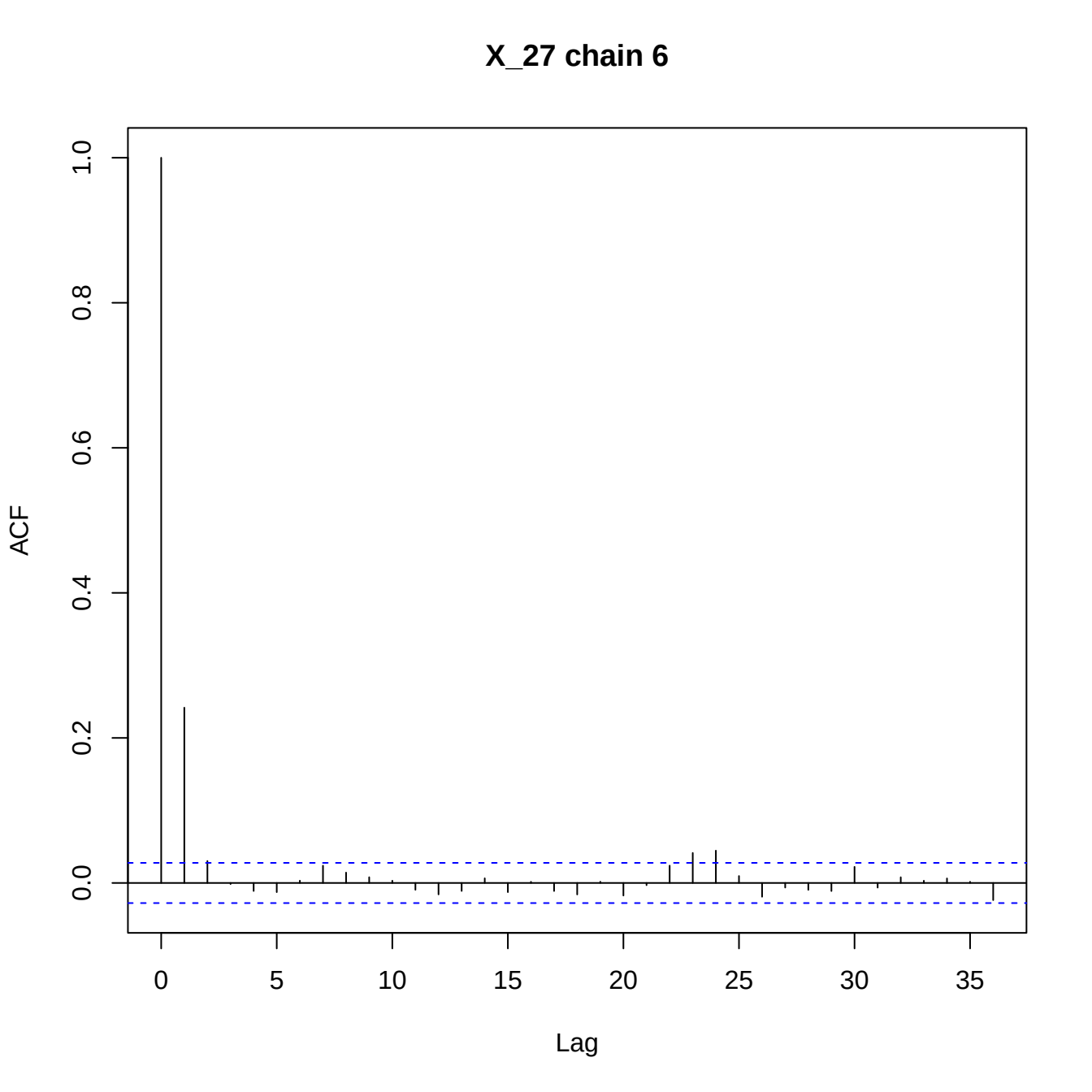
Lag


X_27 chain 6
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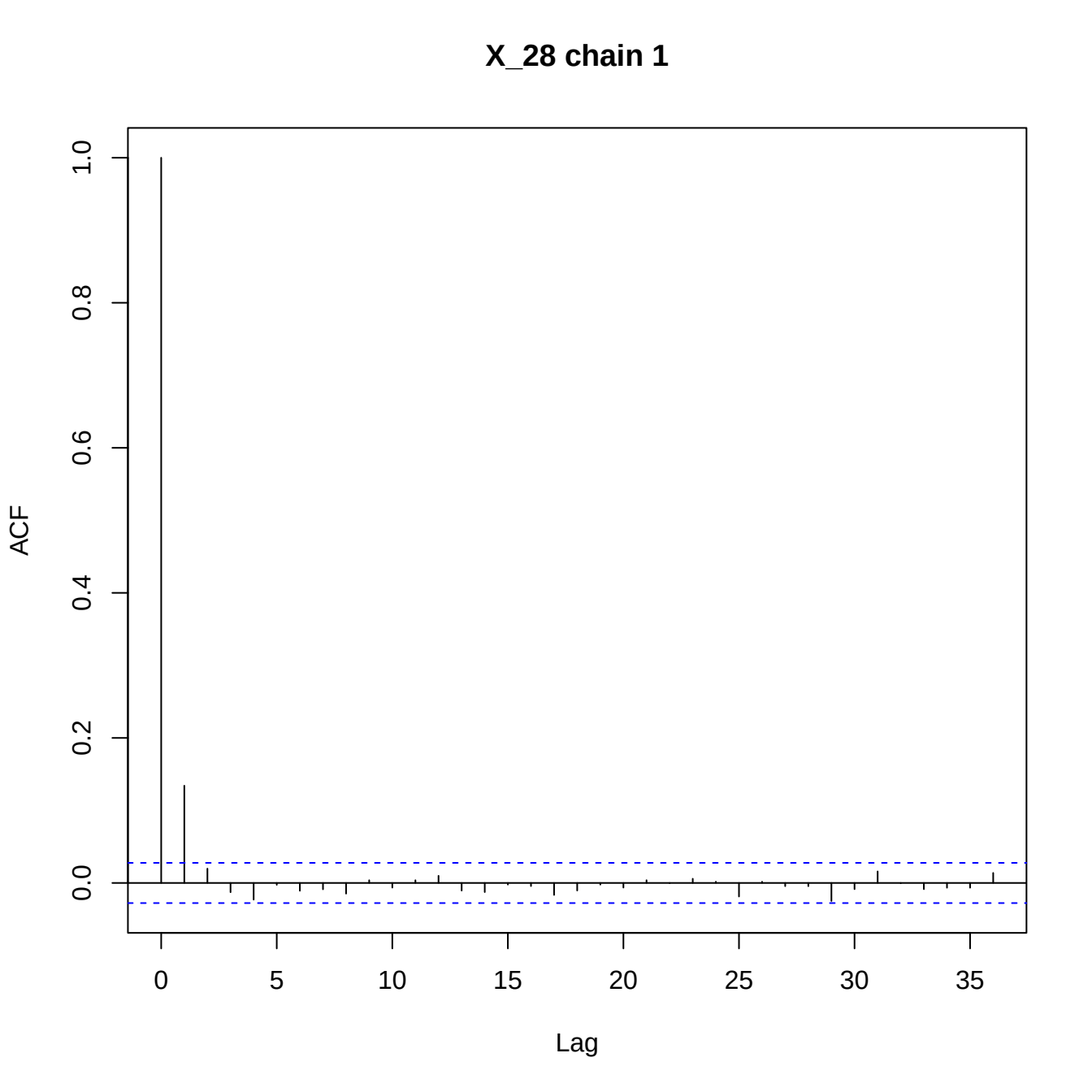
Lag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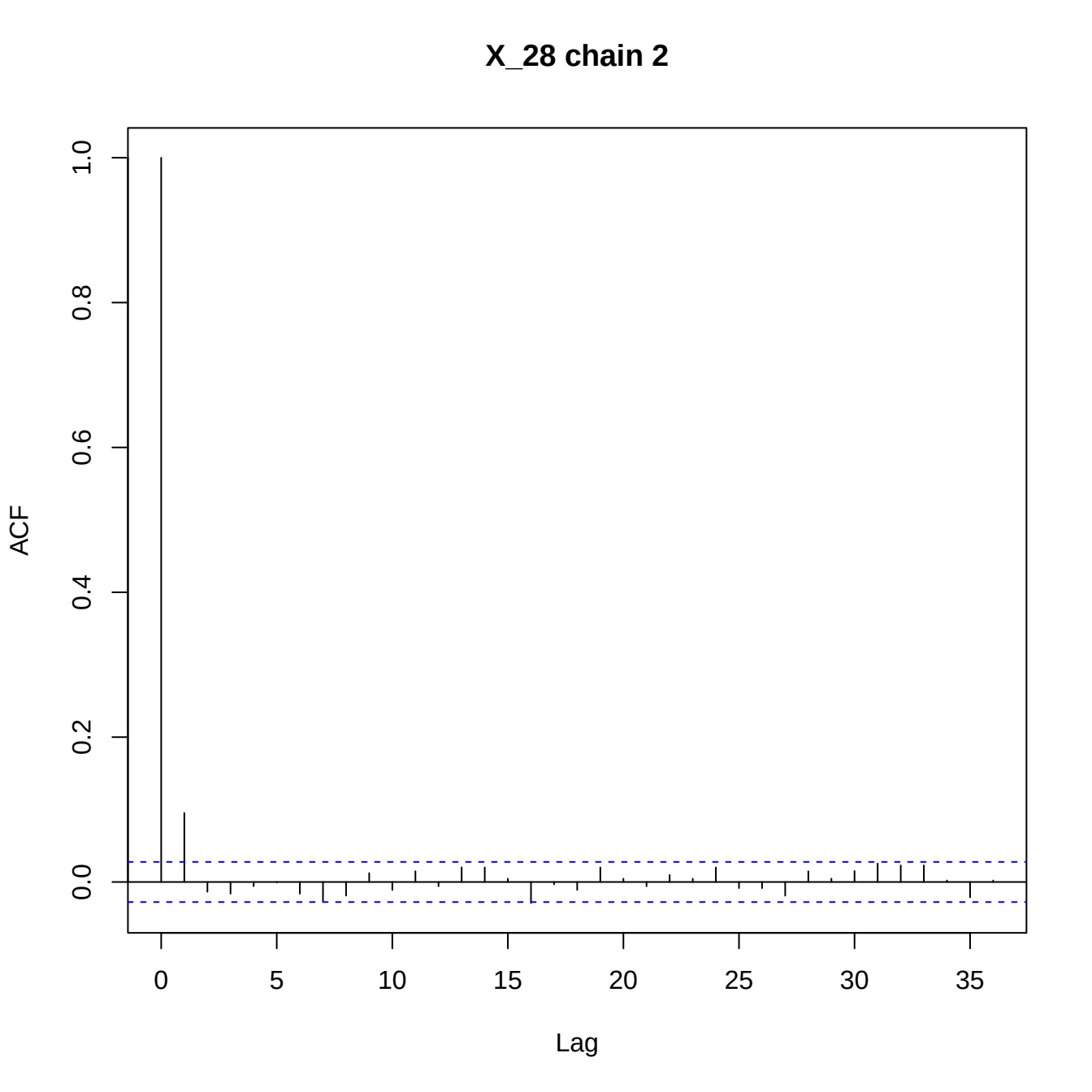
Lag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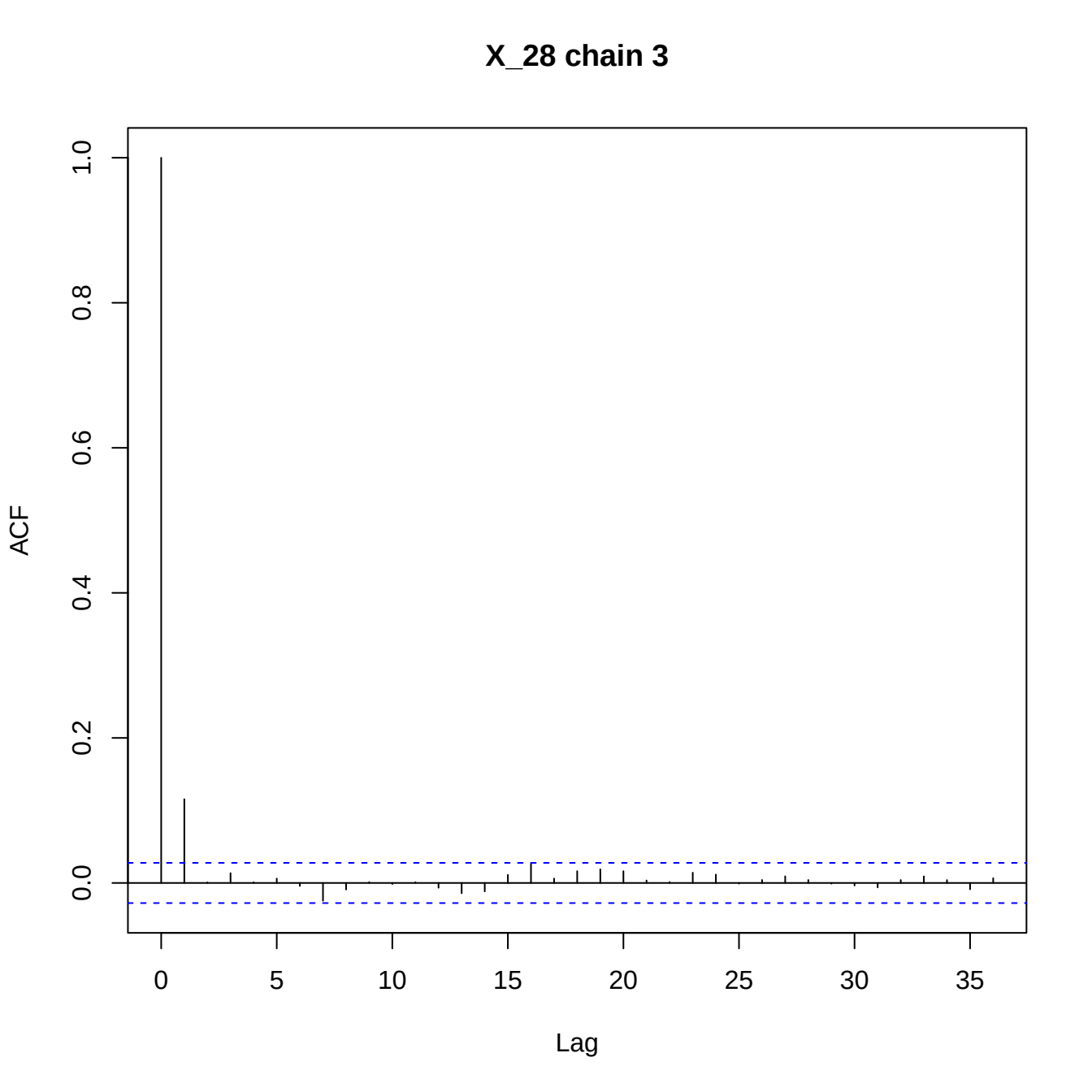
Lag


X_28 chain 3
ACF
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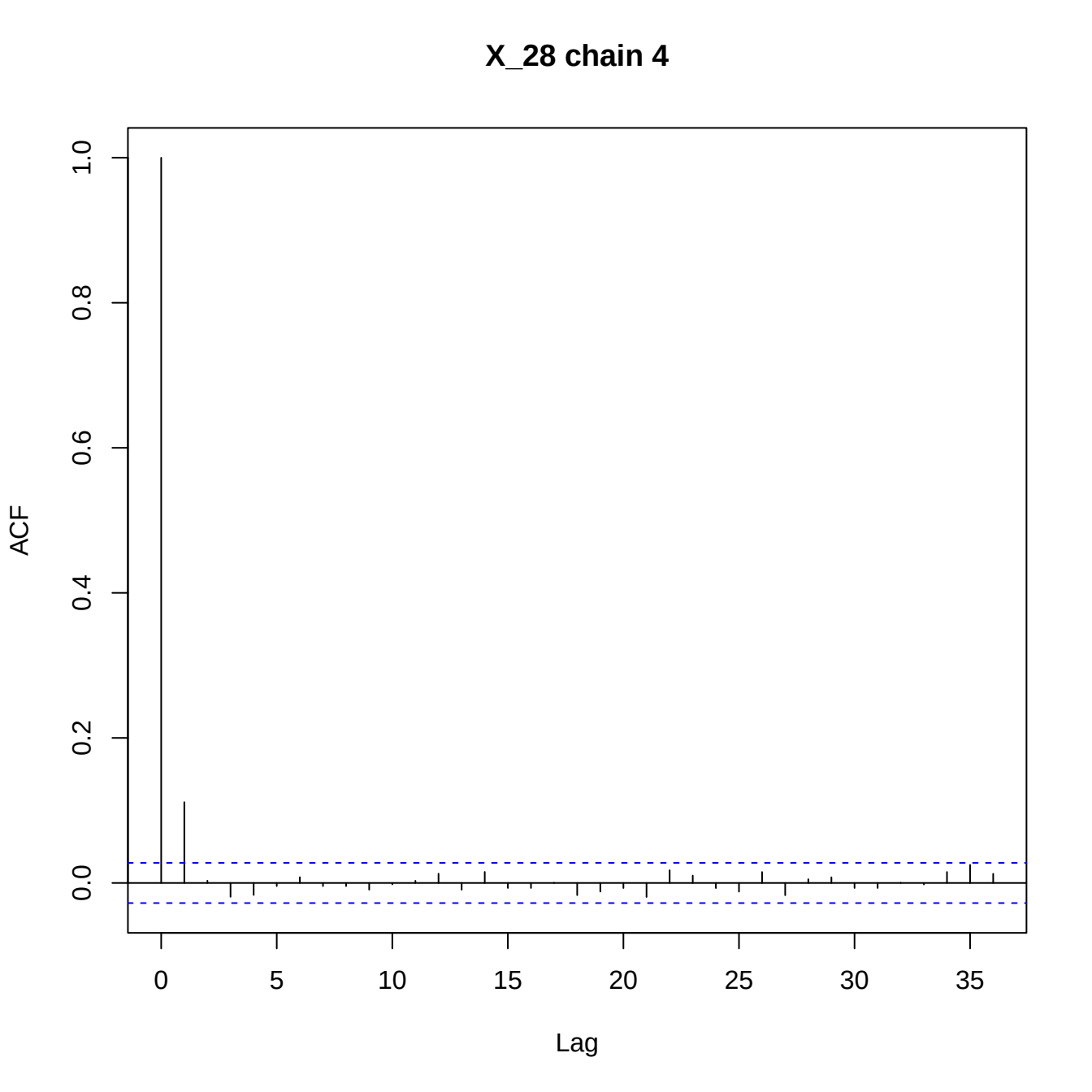
Lag


X_28 chain 4
ACF
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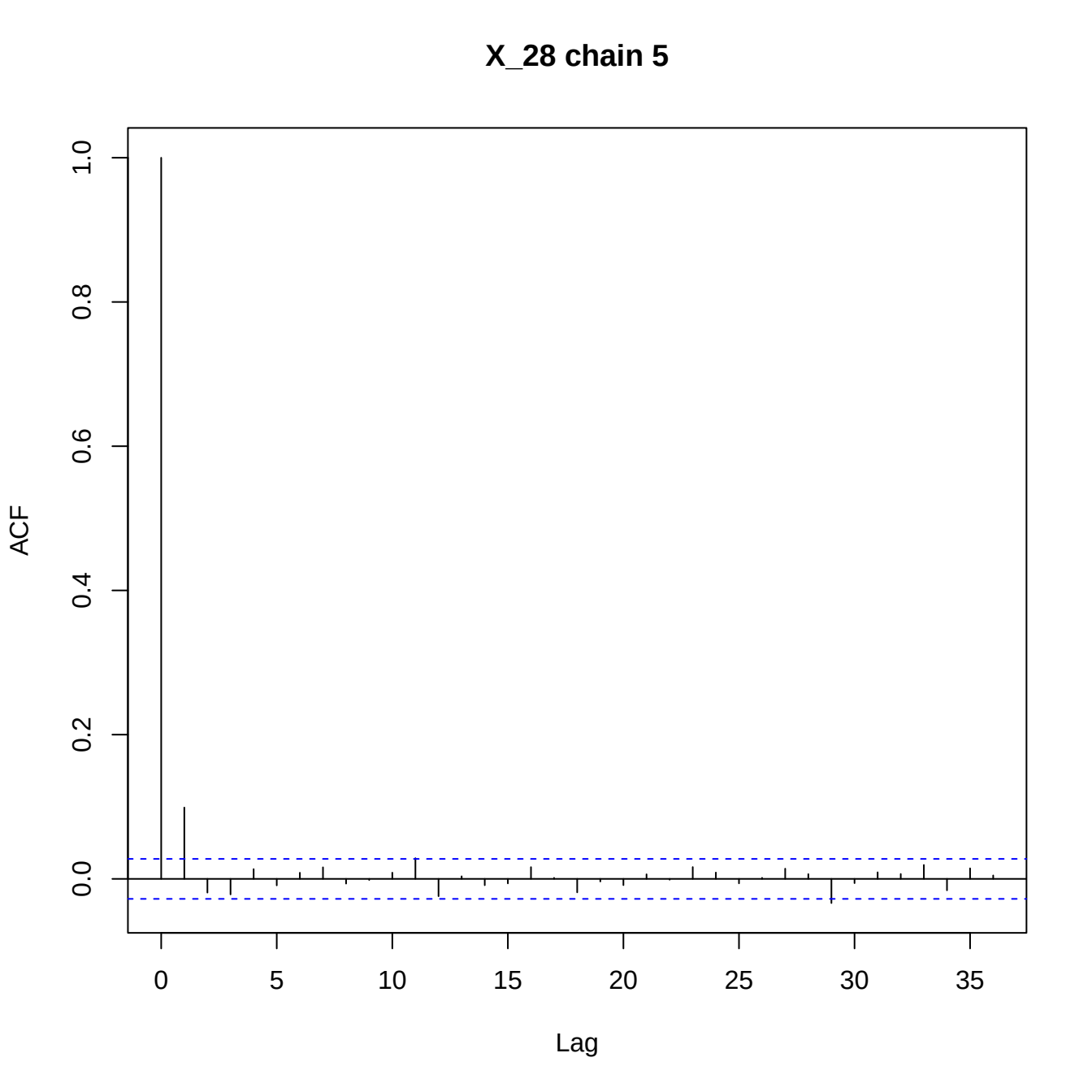
Lag


X_28 chain 5
ACF
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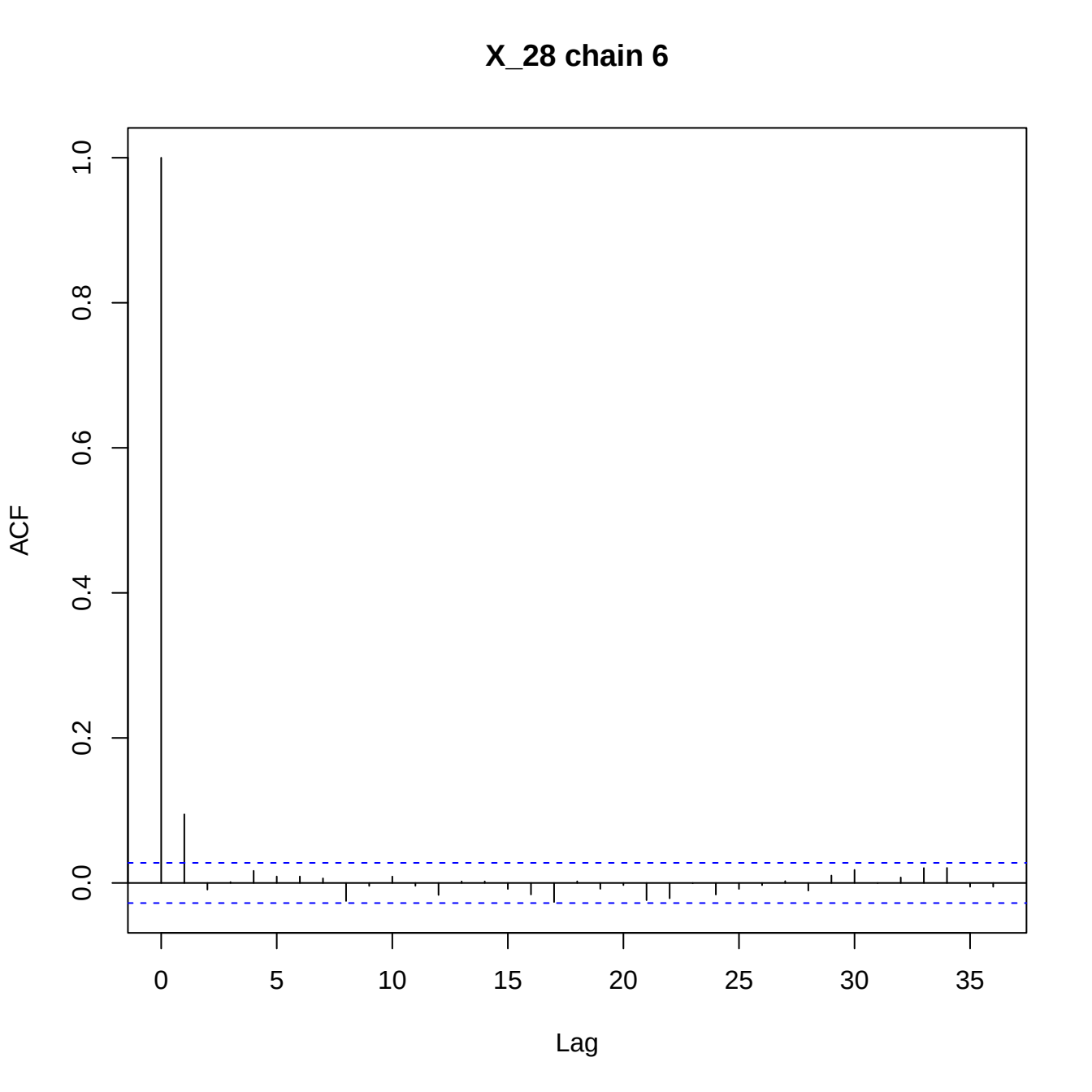
Lag


X_28 chain 6
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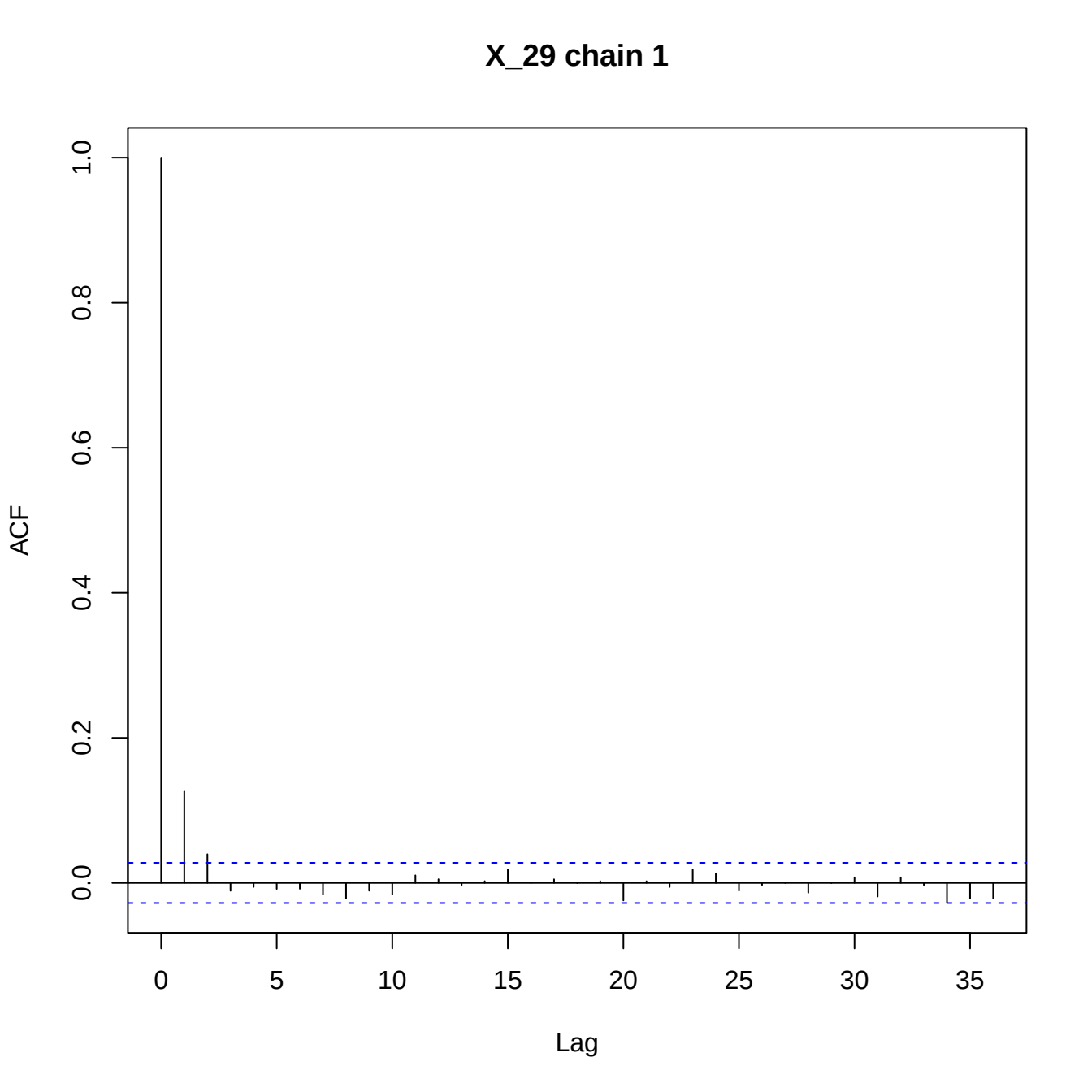
Lag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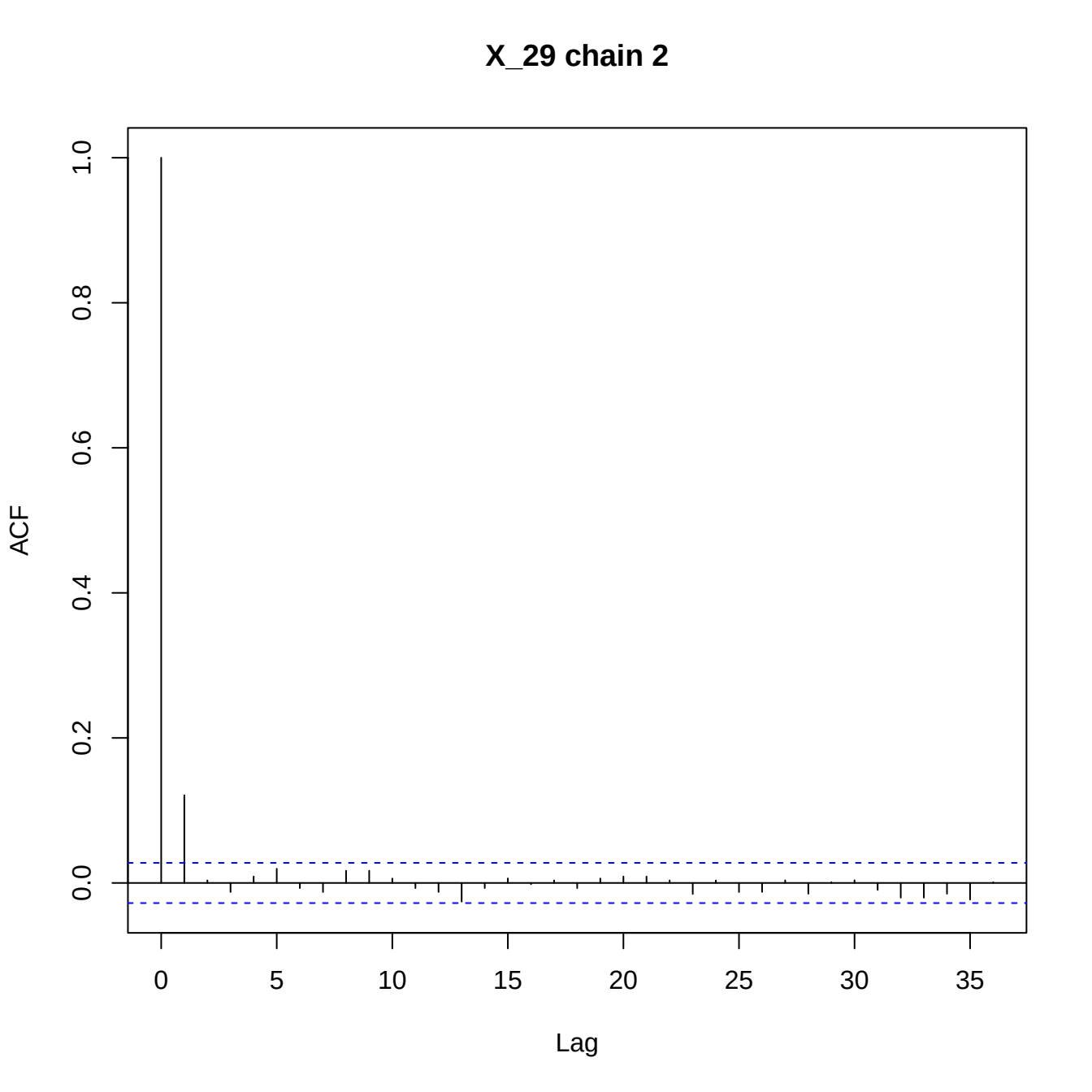
Lag


X_29 chain 2
ACF
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30
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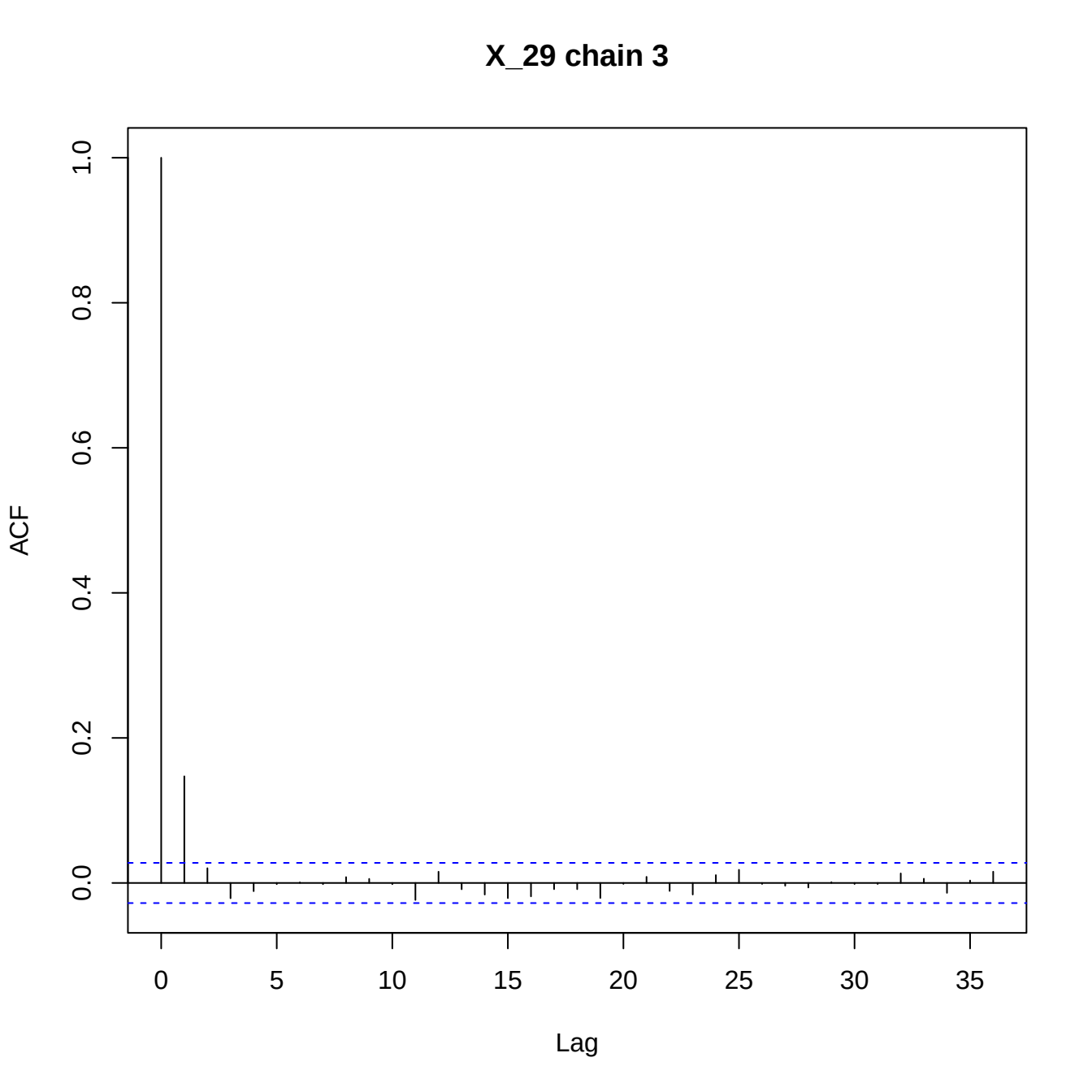
Lag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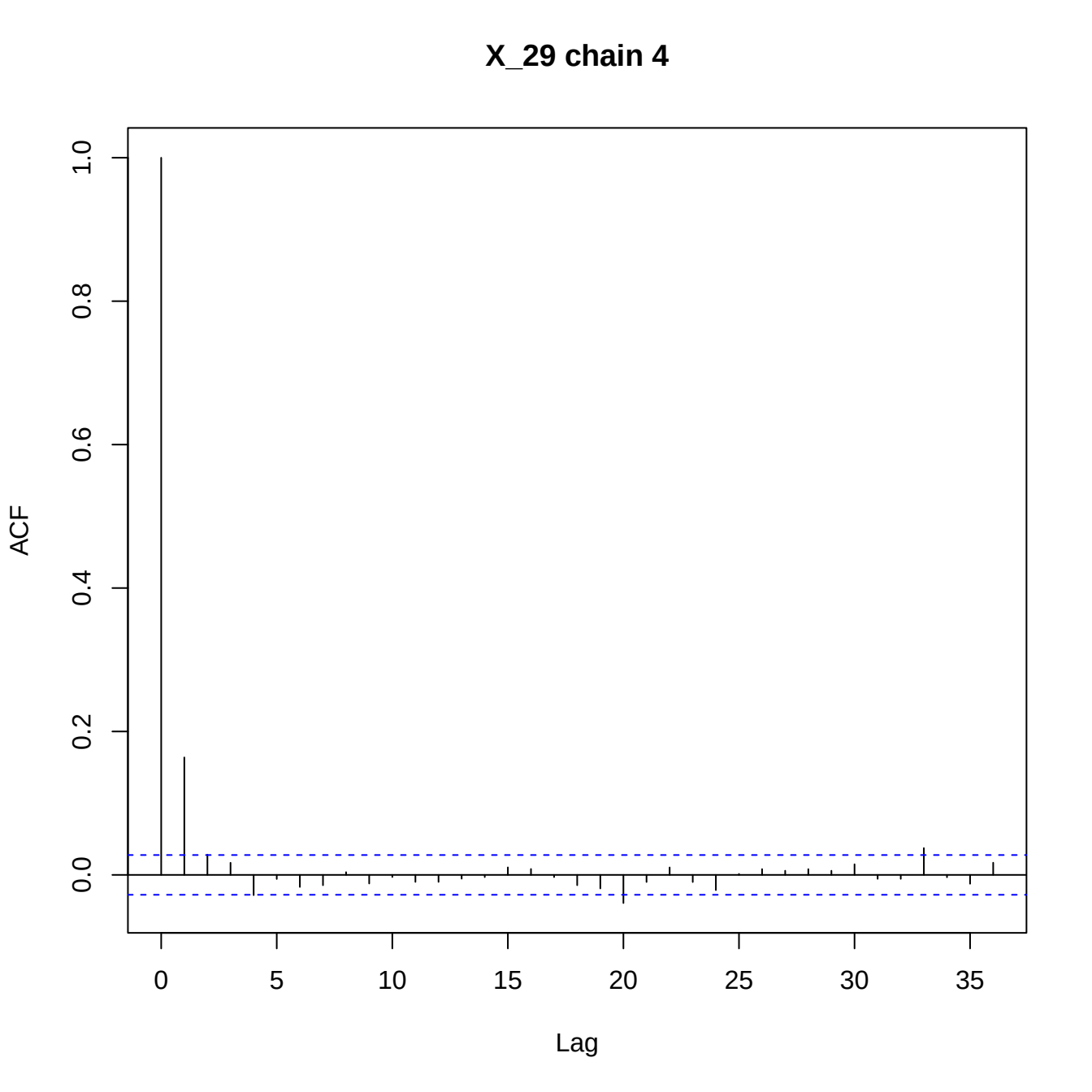
X_29 chain 4
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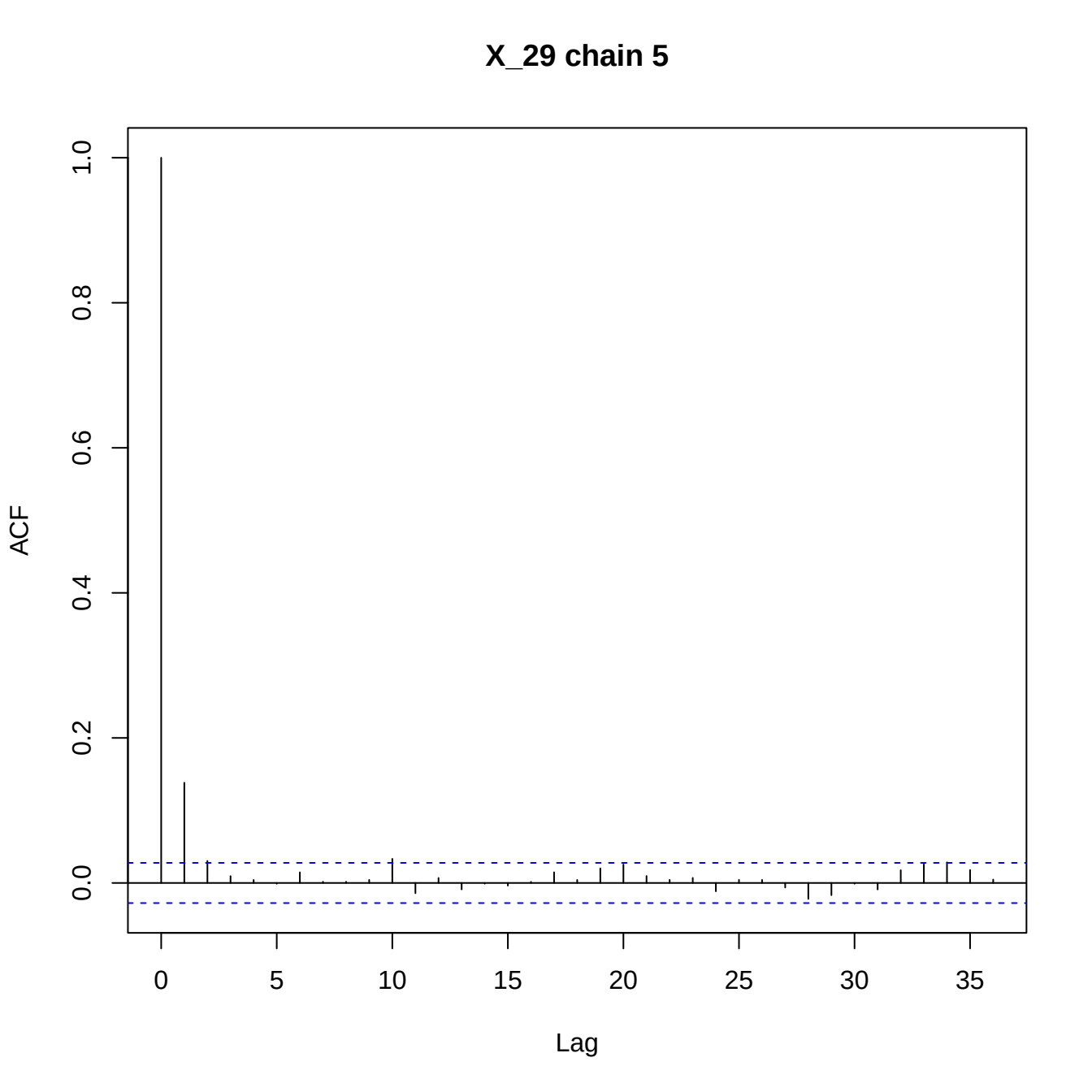
Lag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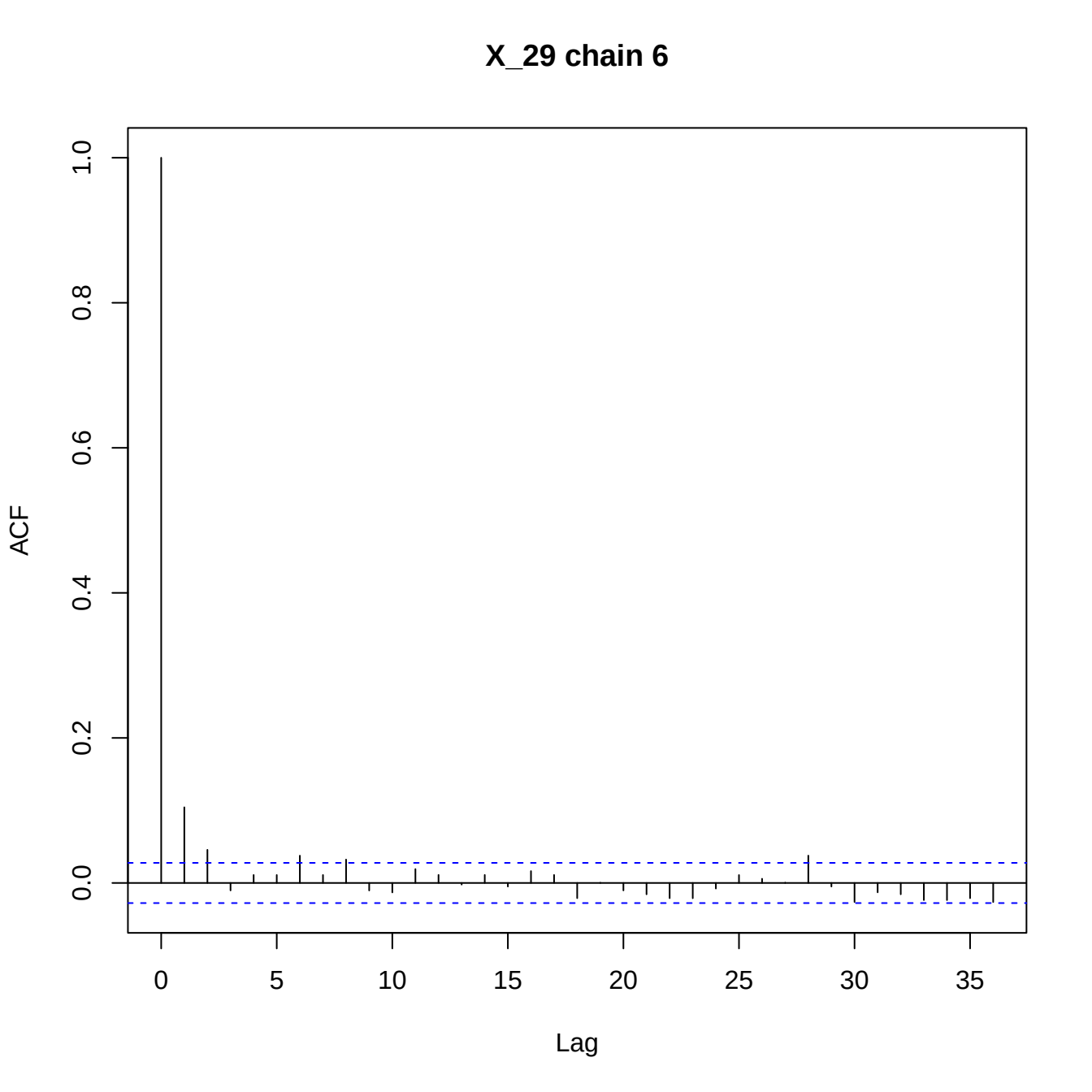
Lag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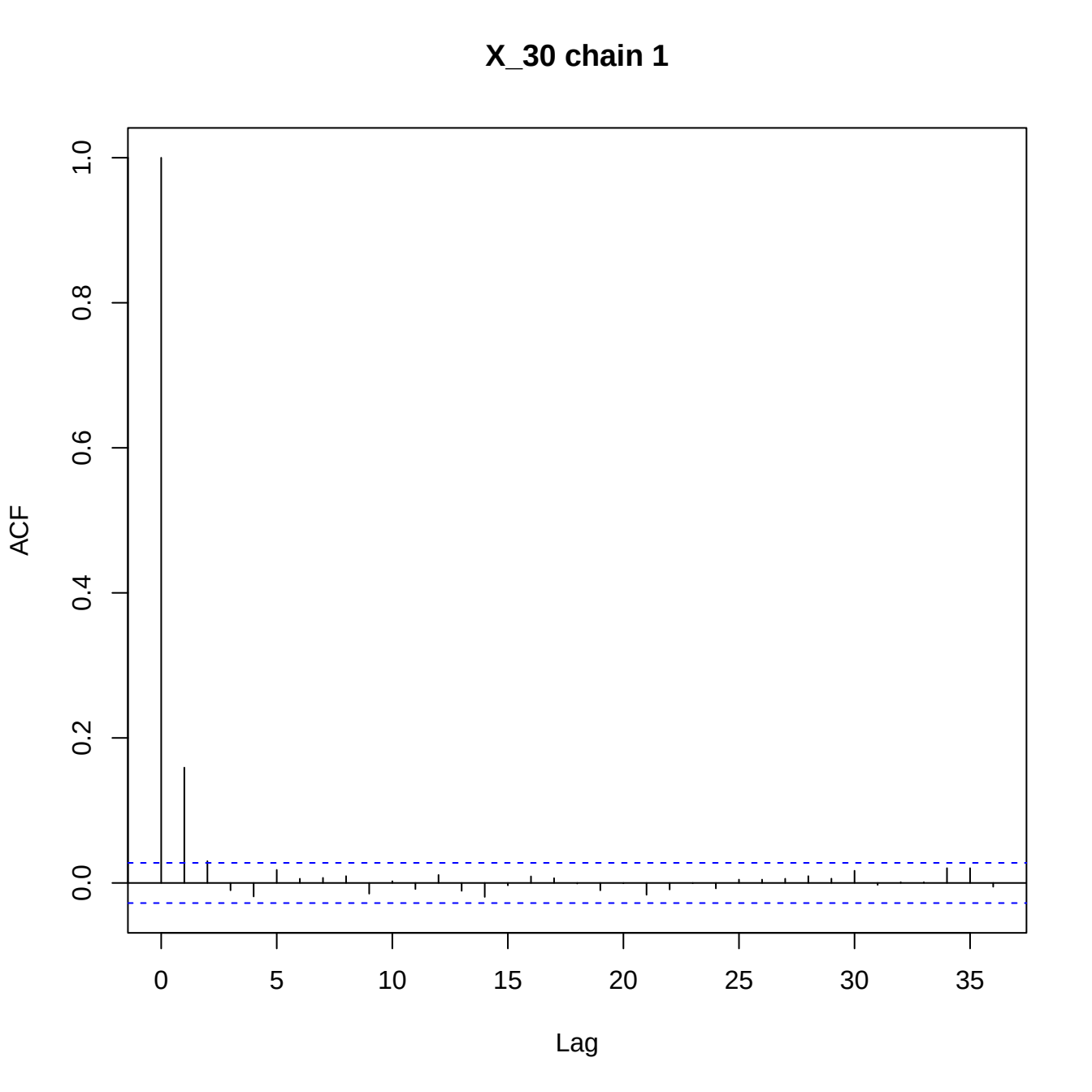
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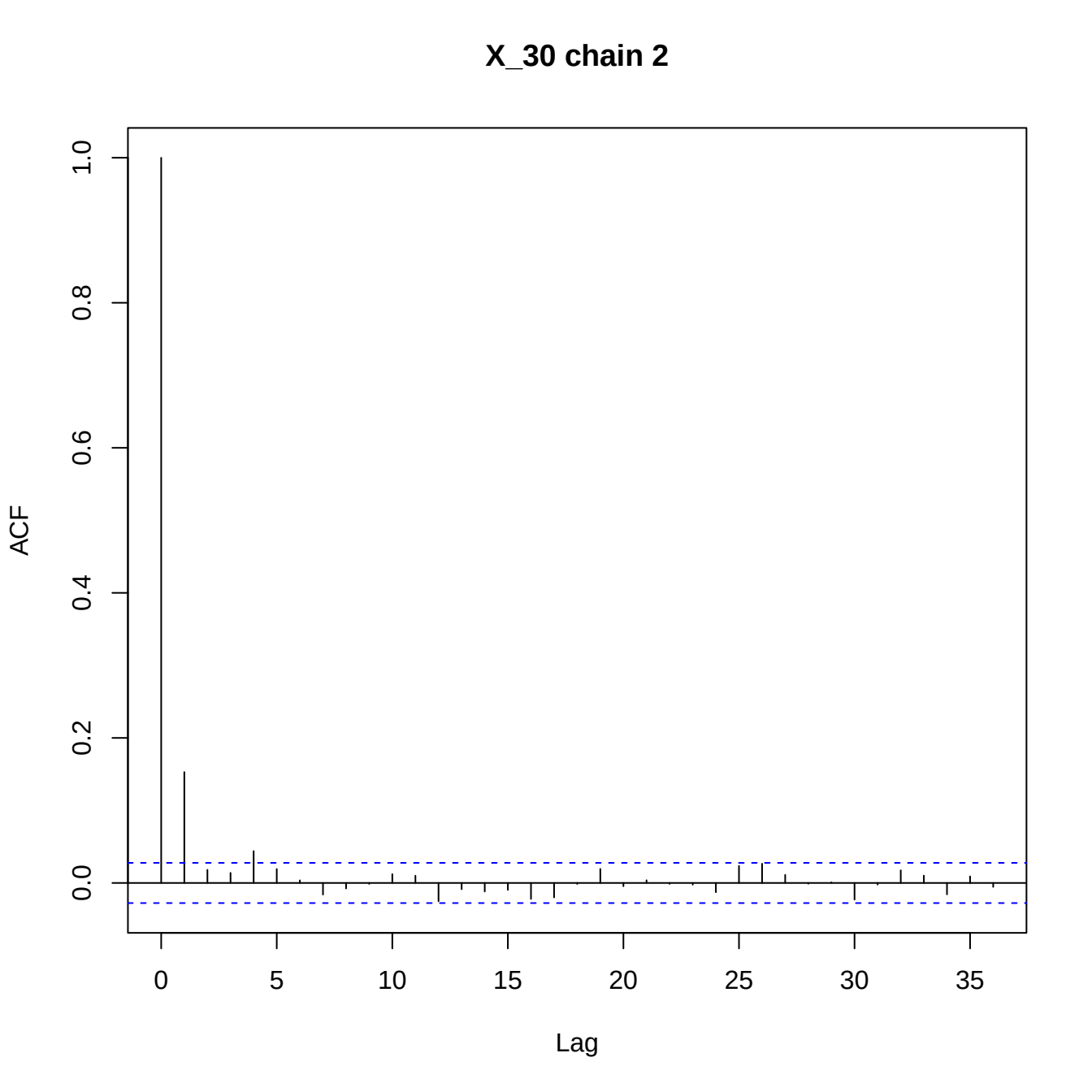
Lag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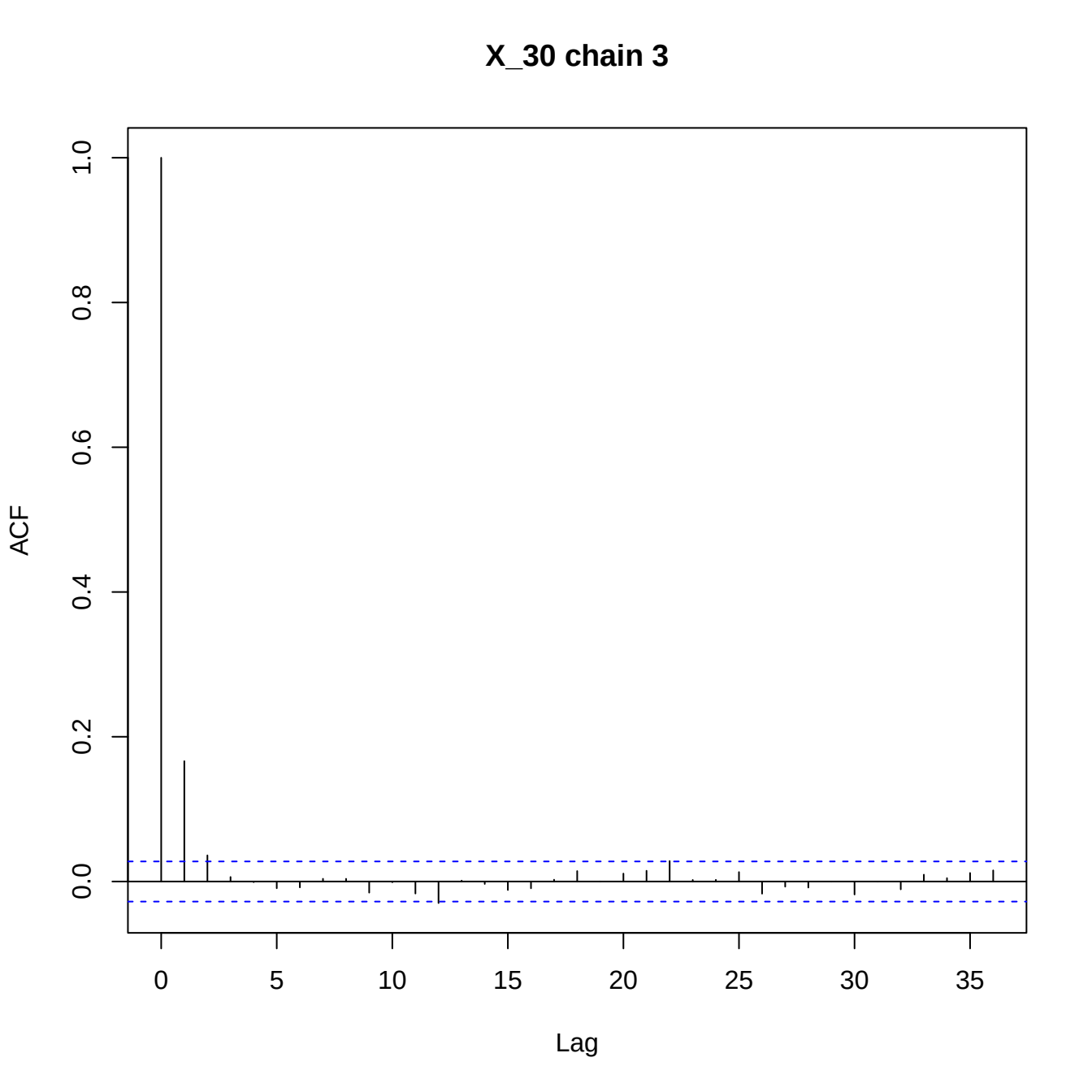
Lag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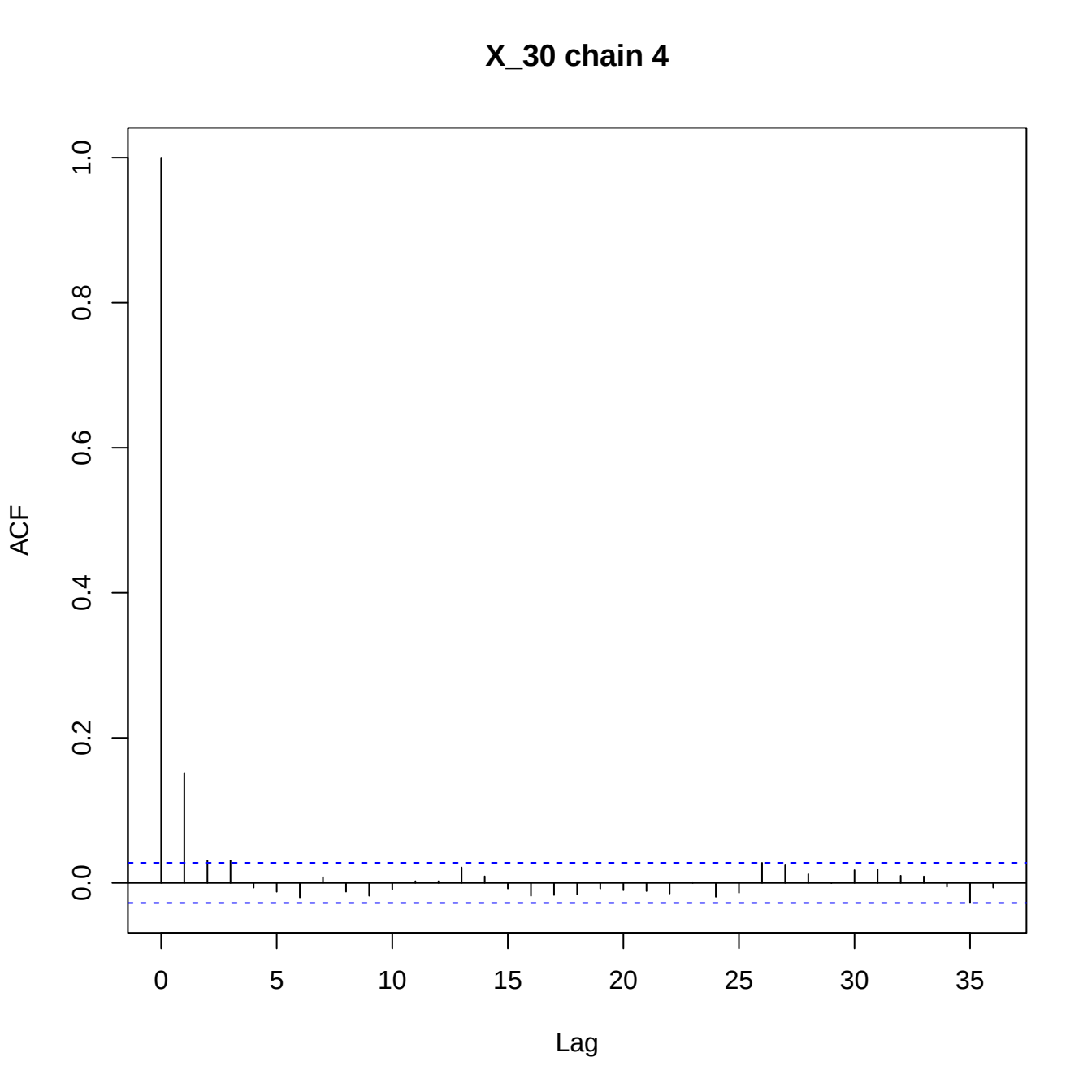
Lag


X_30 chain 4
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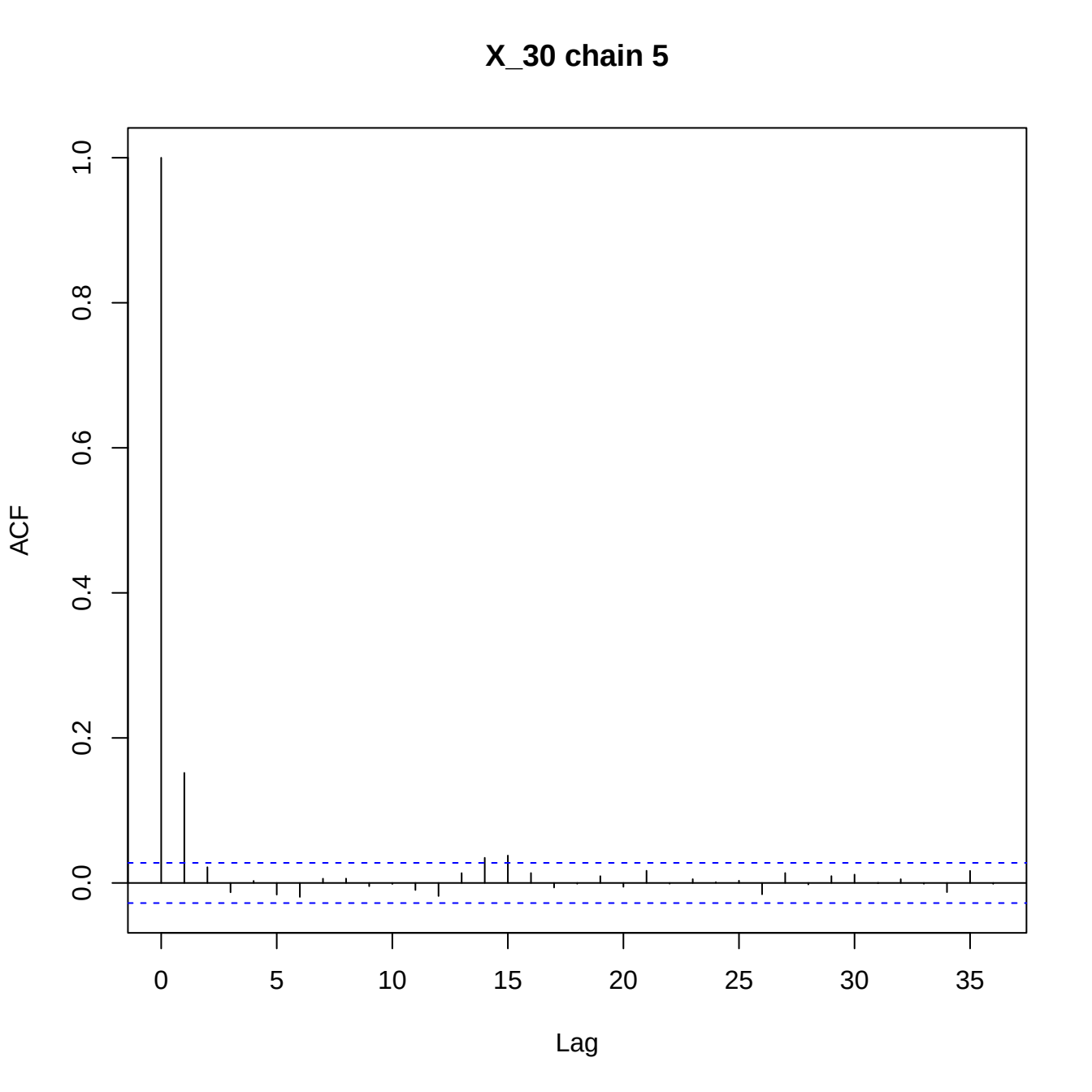
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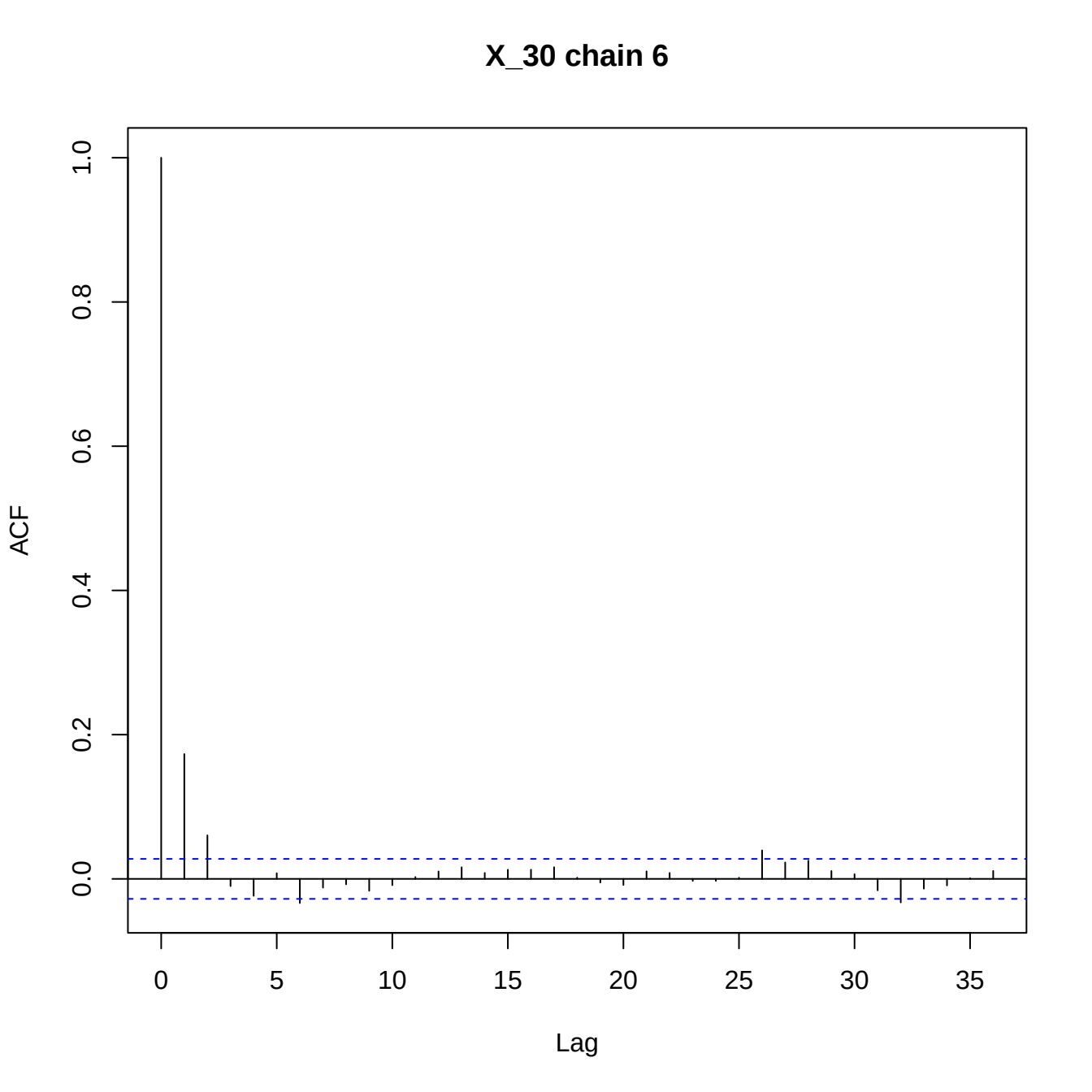
Lag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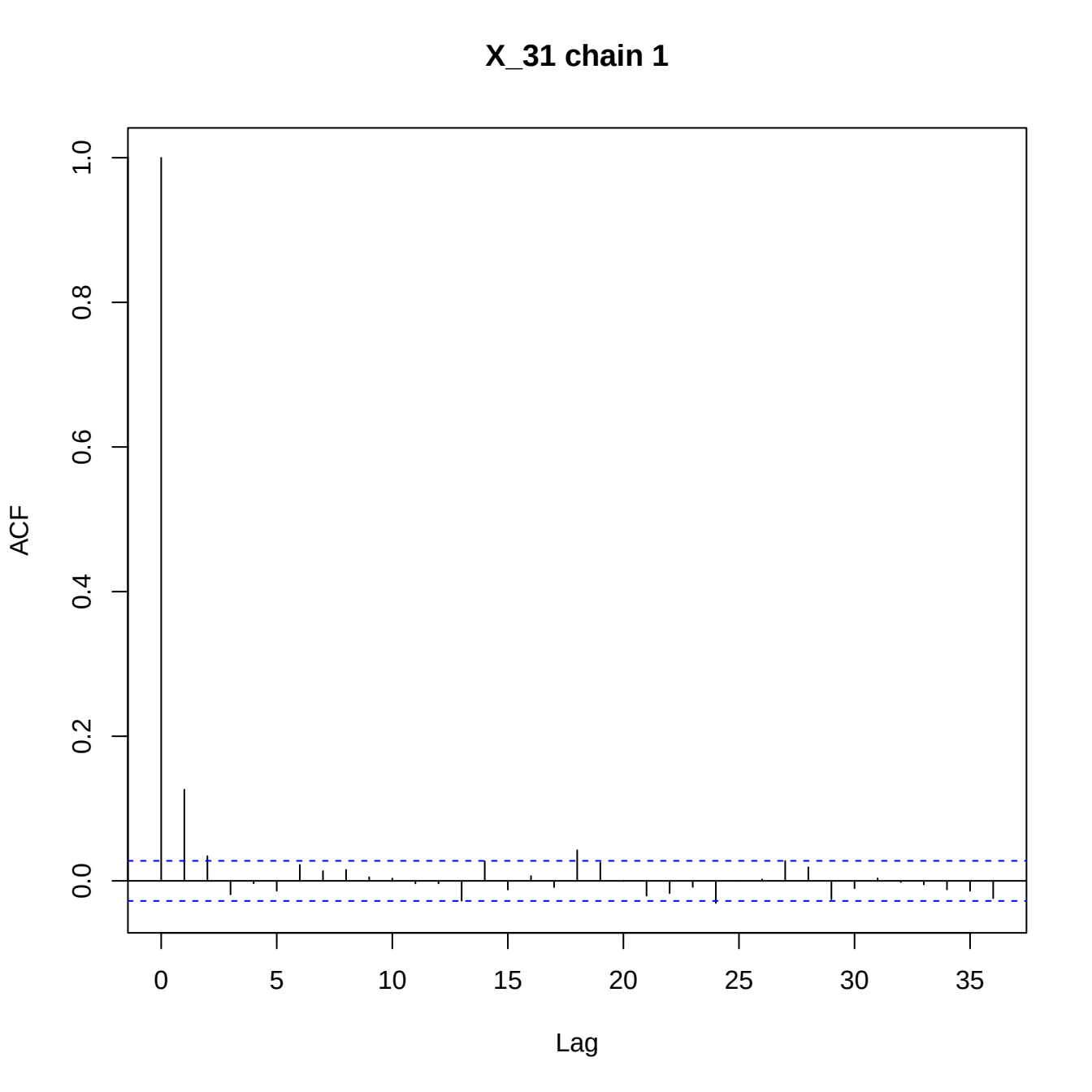
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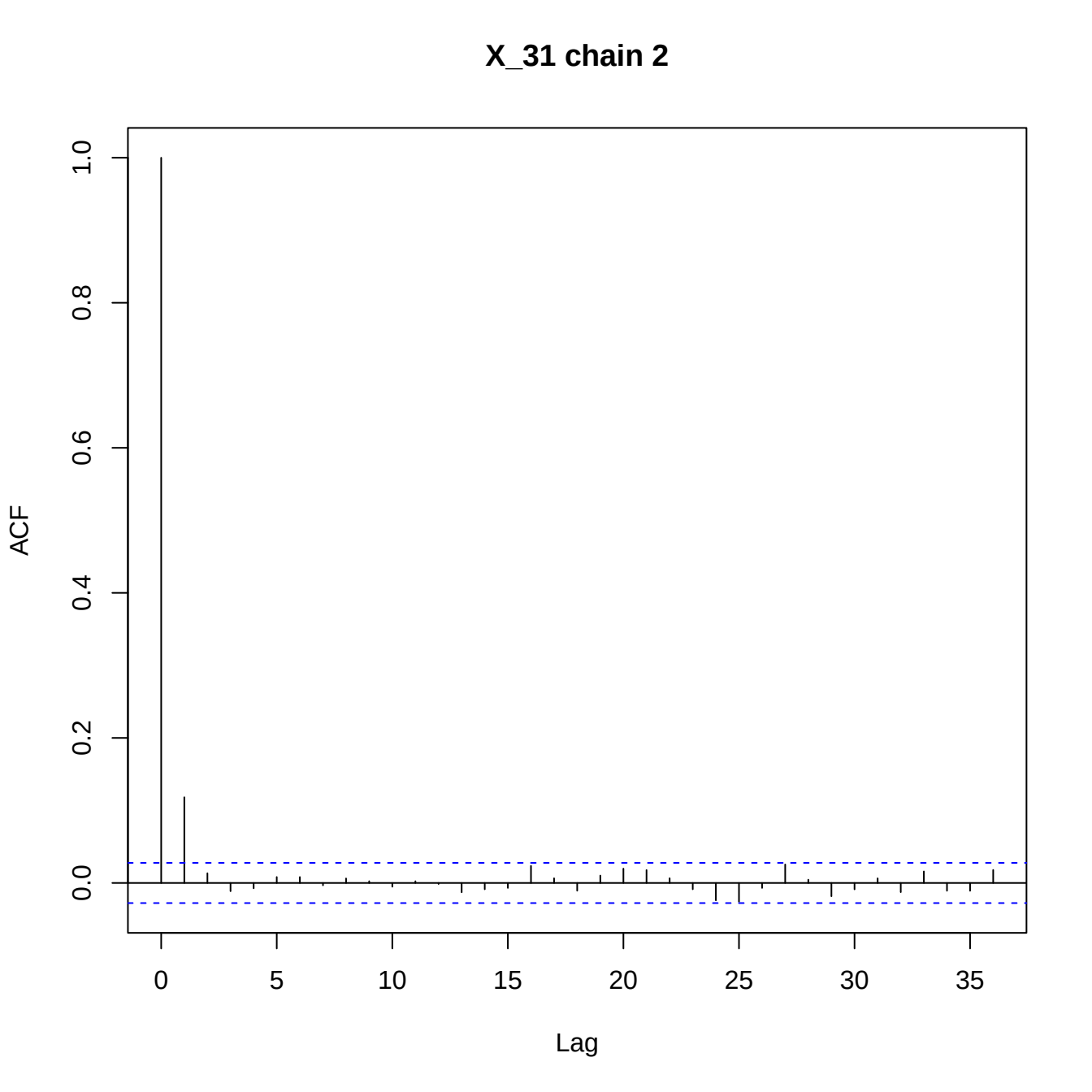
Lag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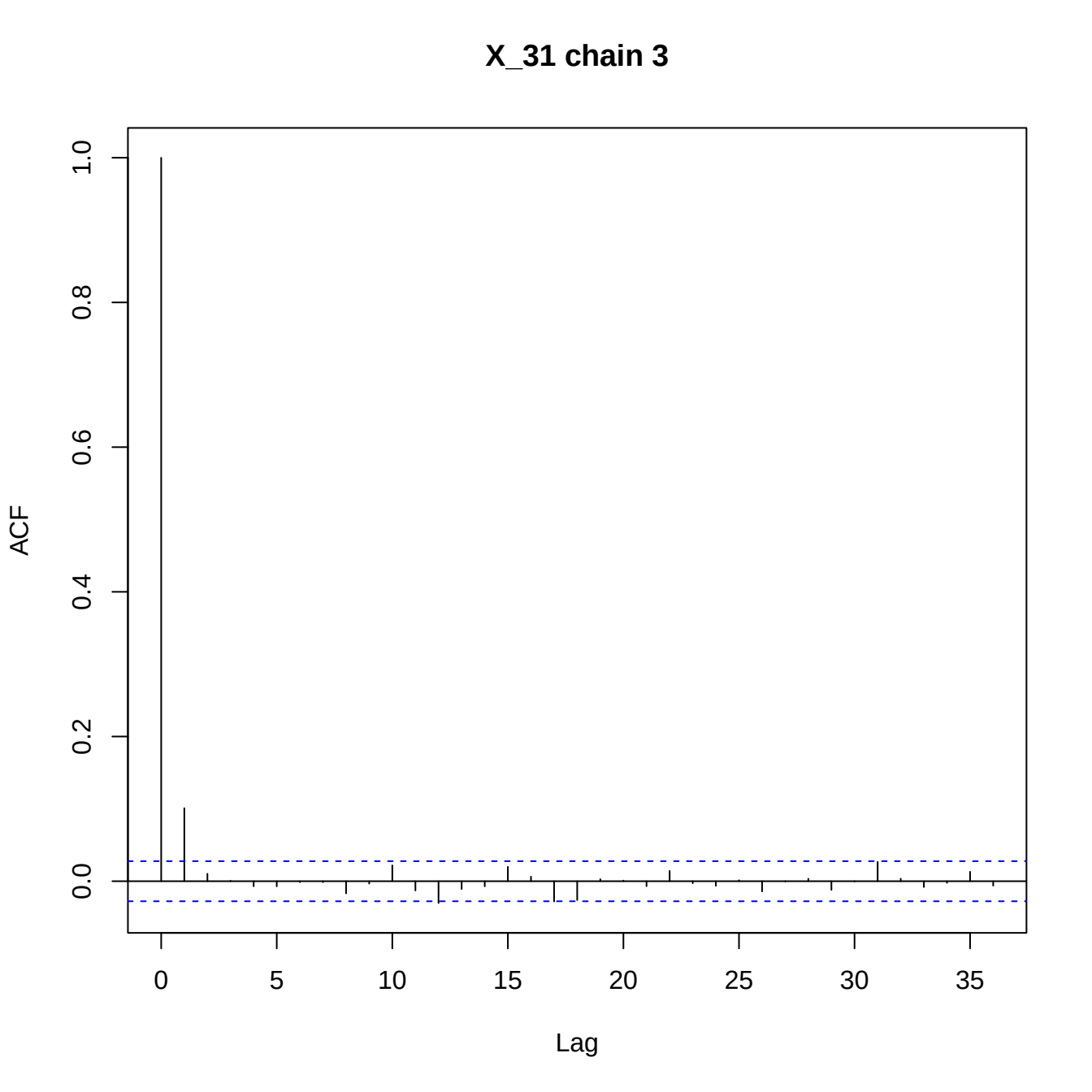
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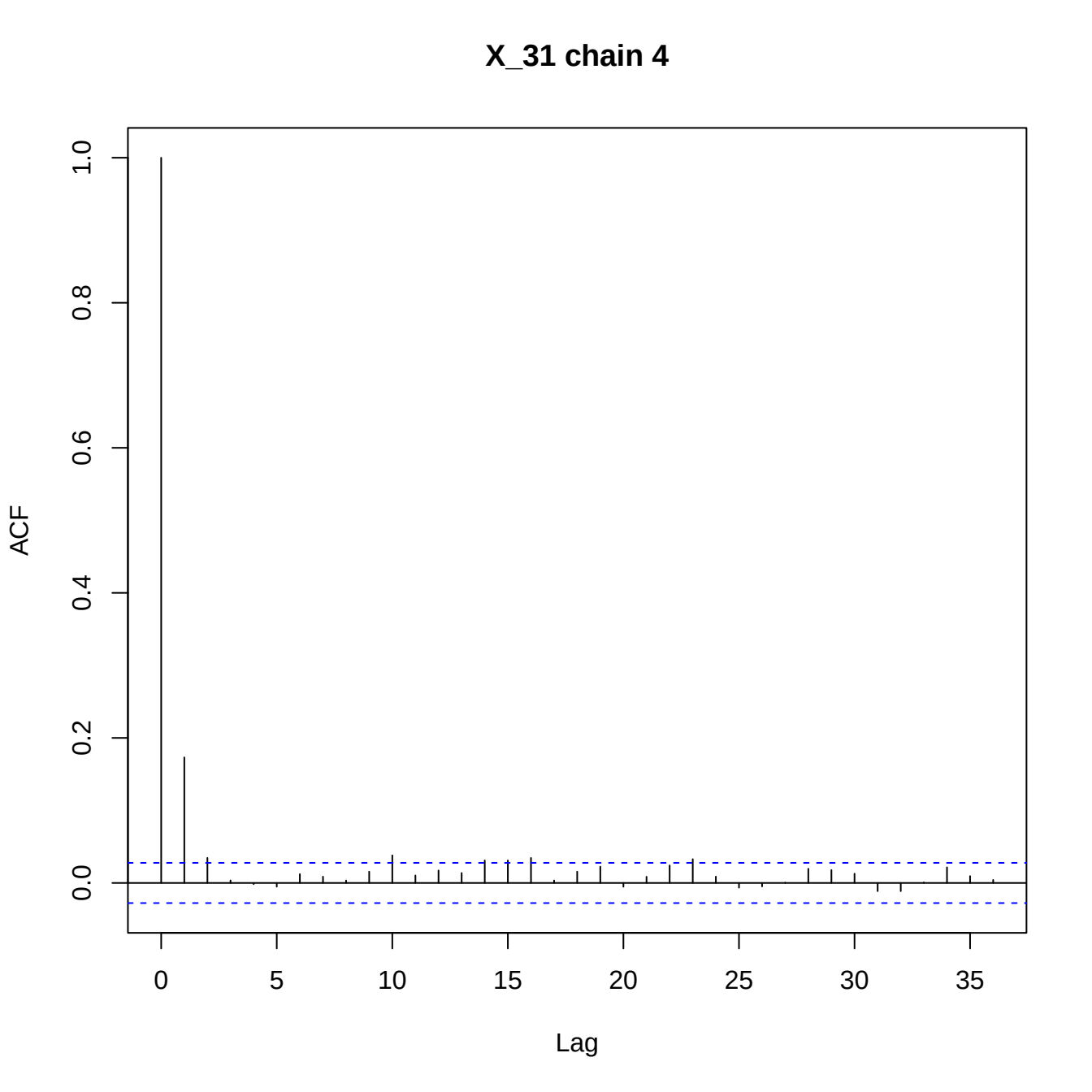
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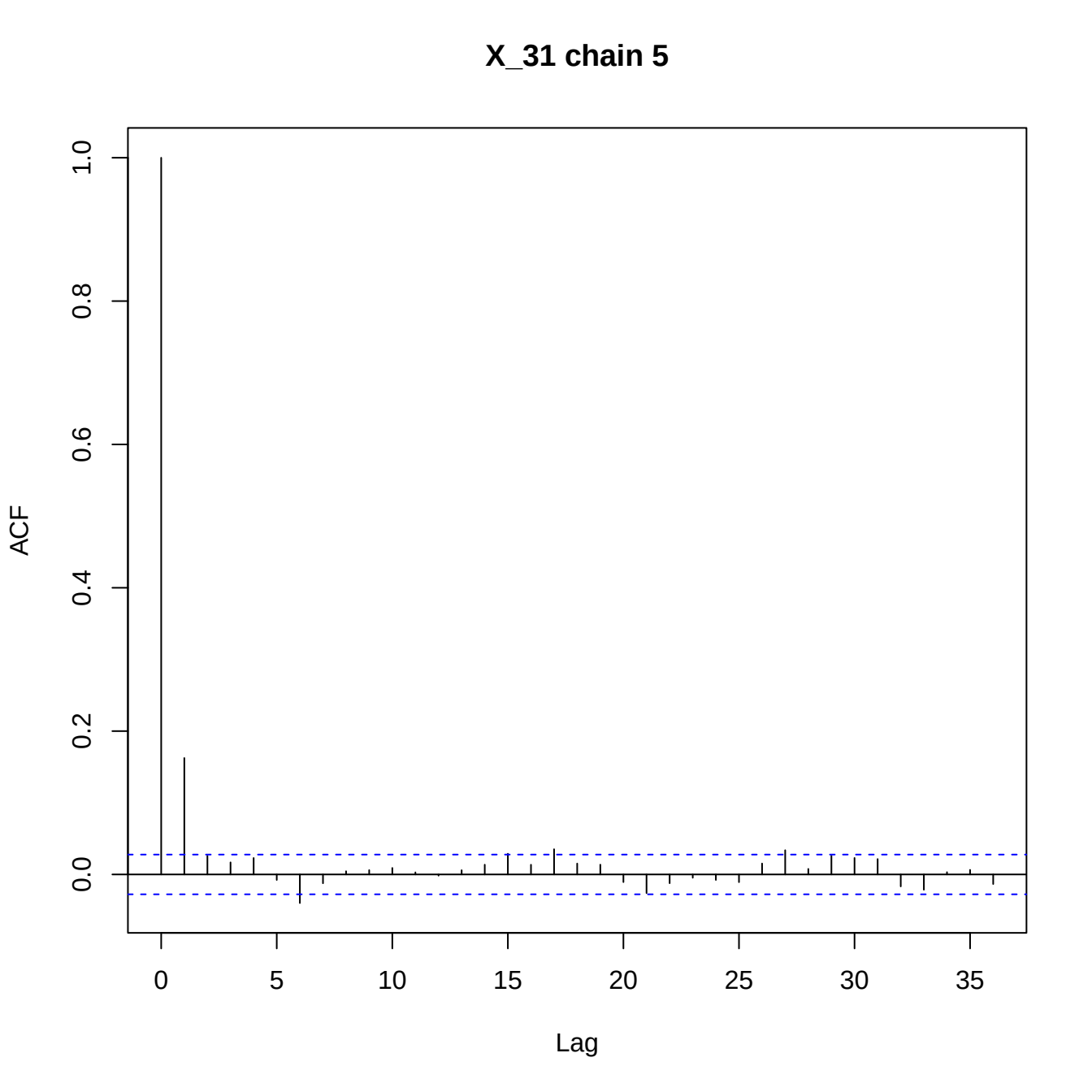
Lag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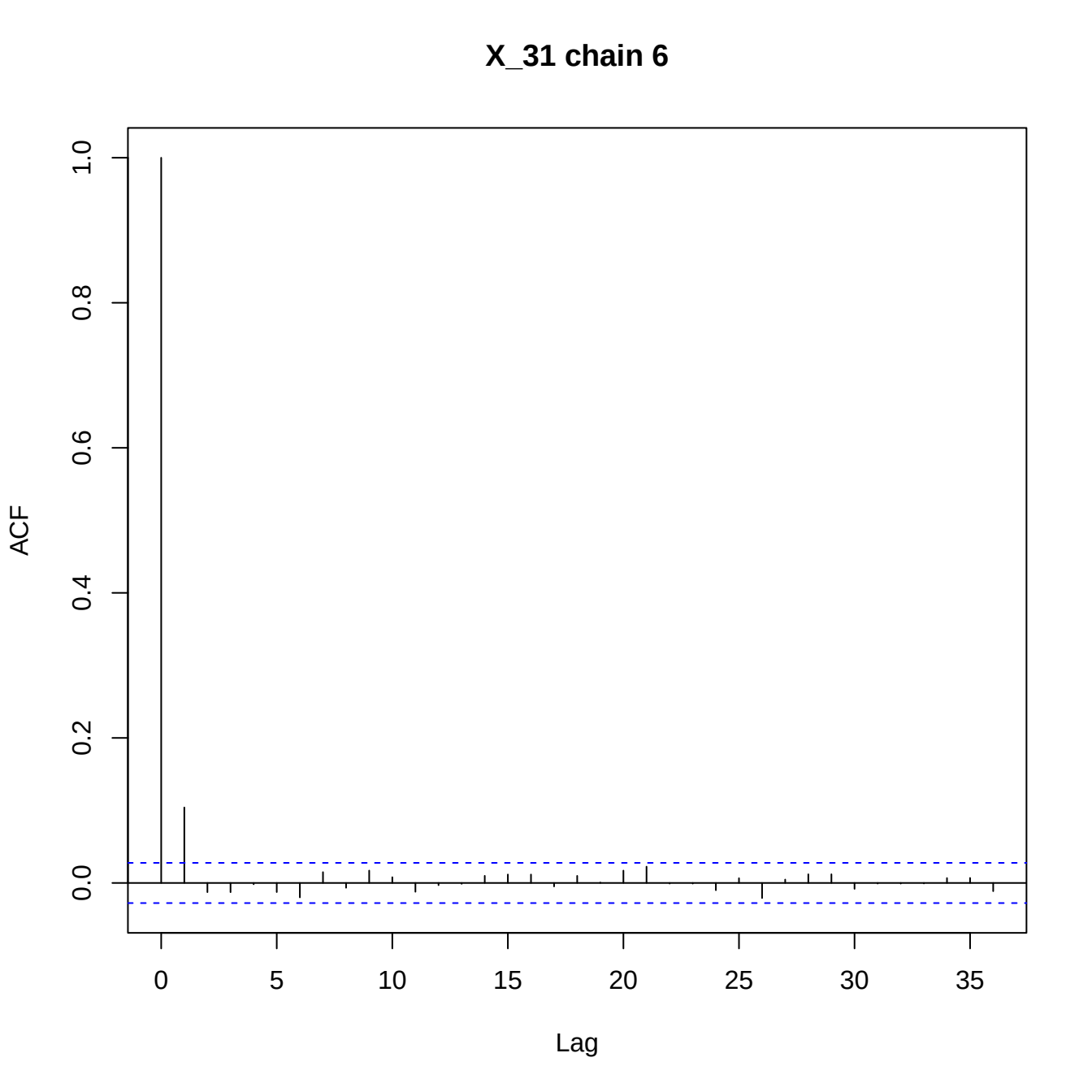
Lag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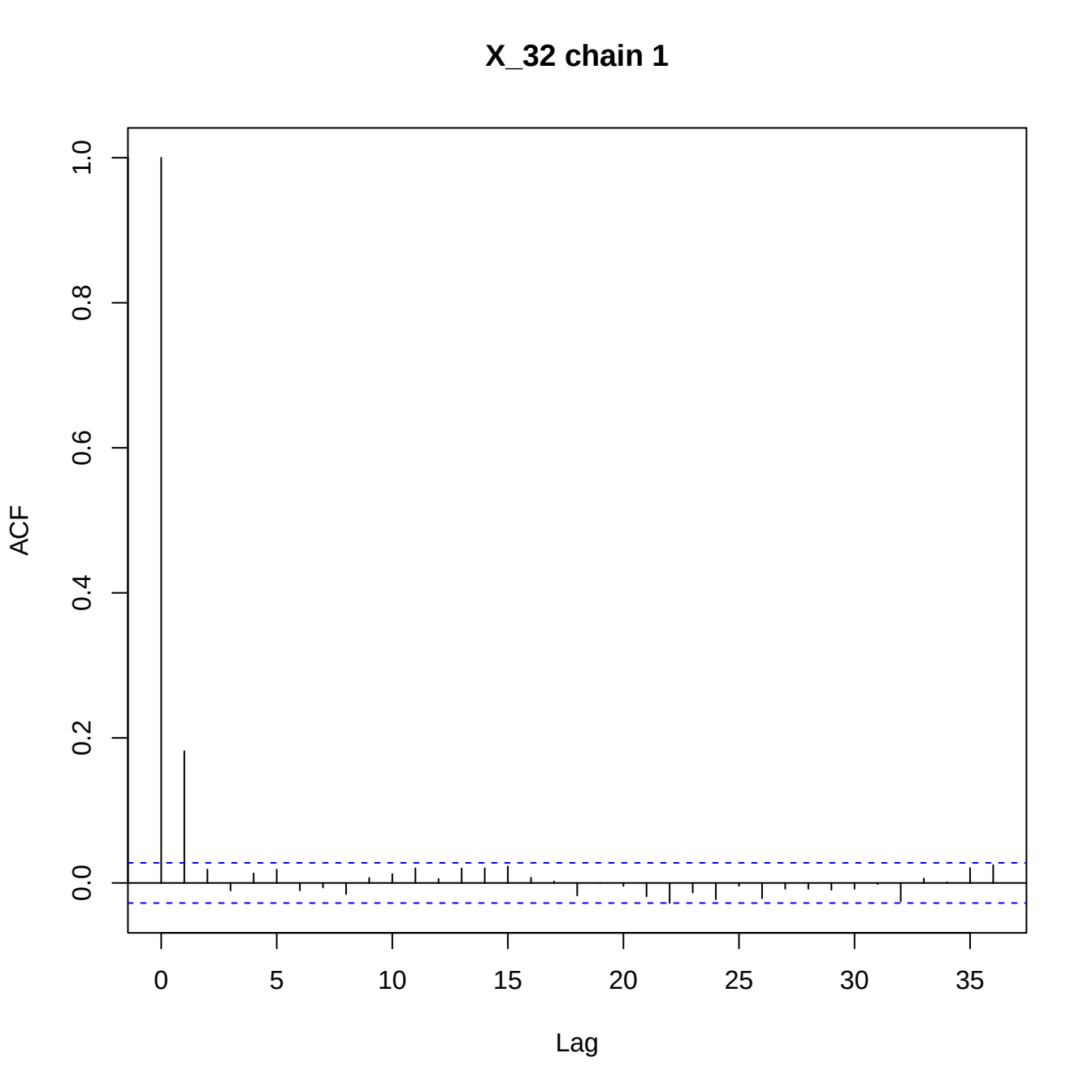
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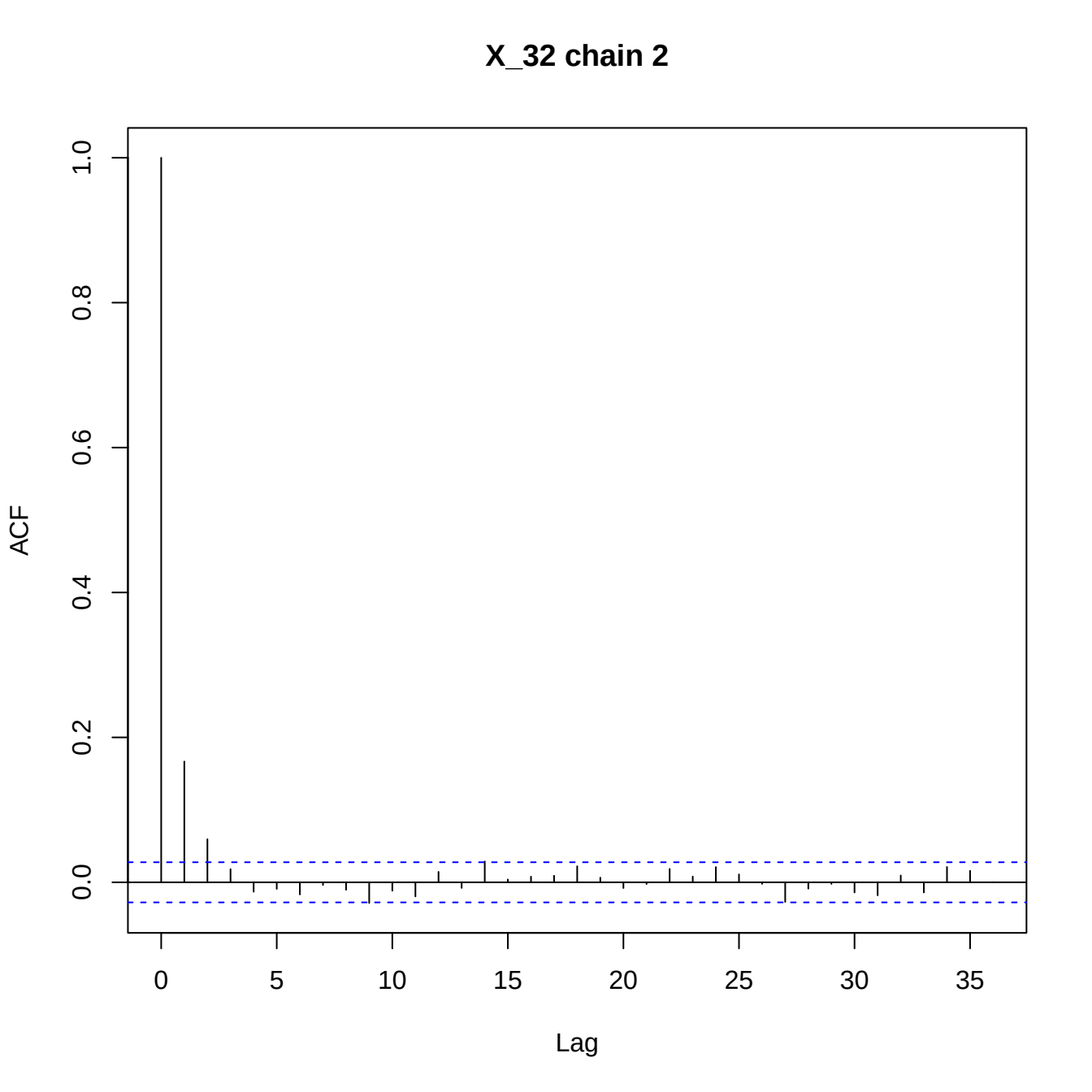
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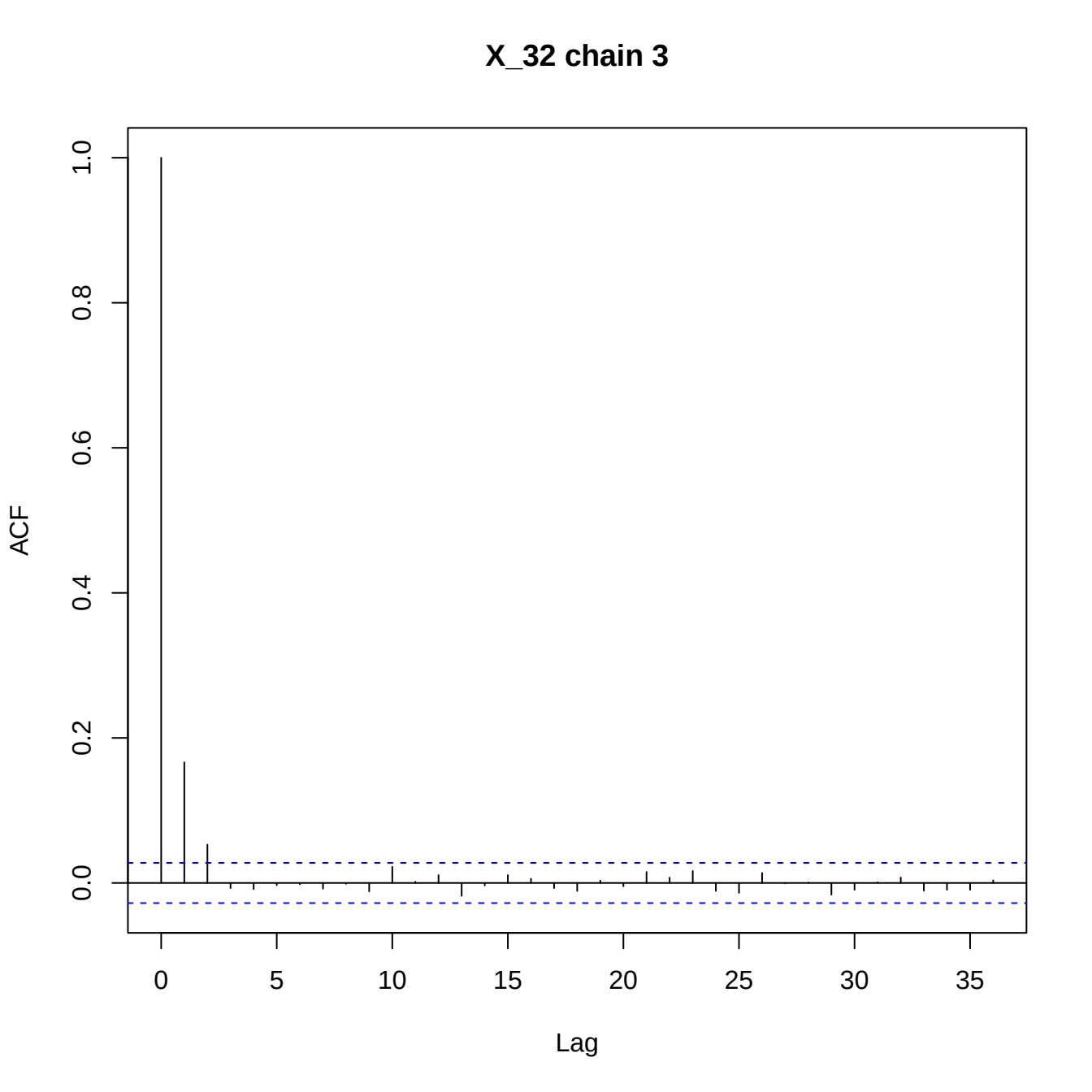
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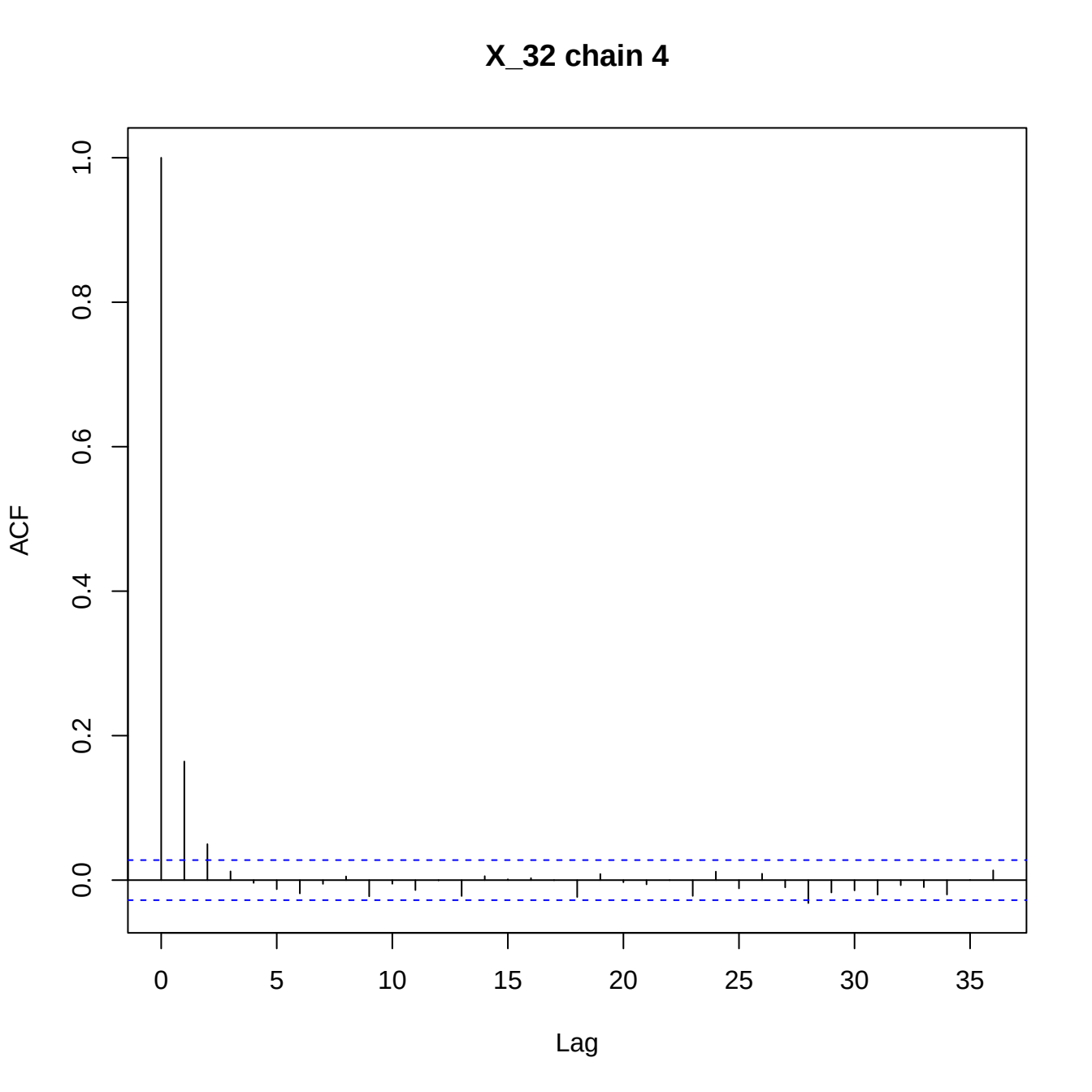
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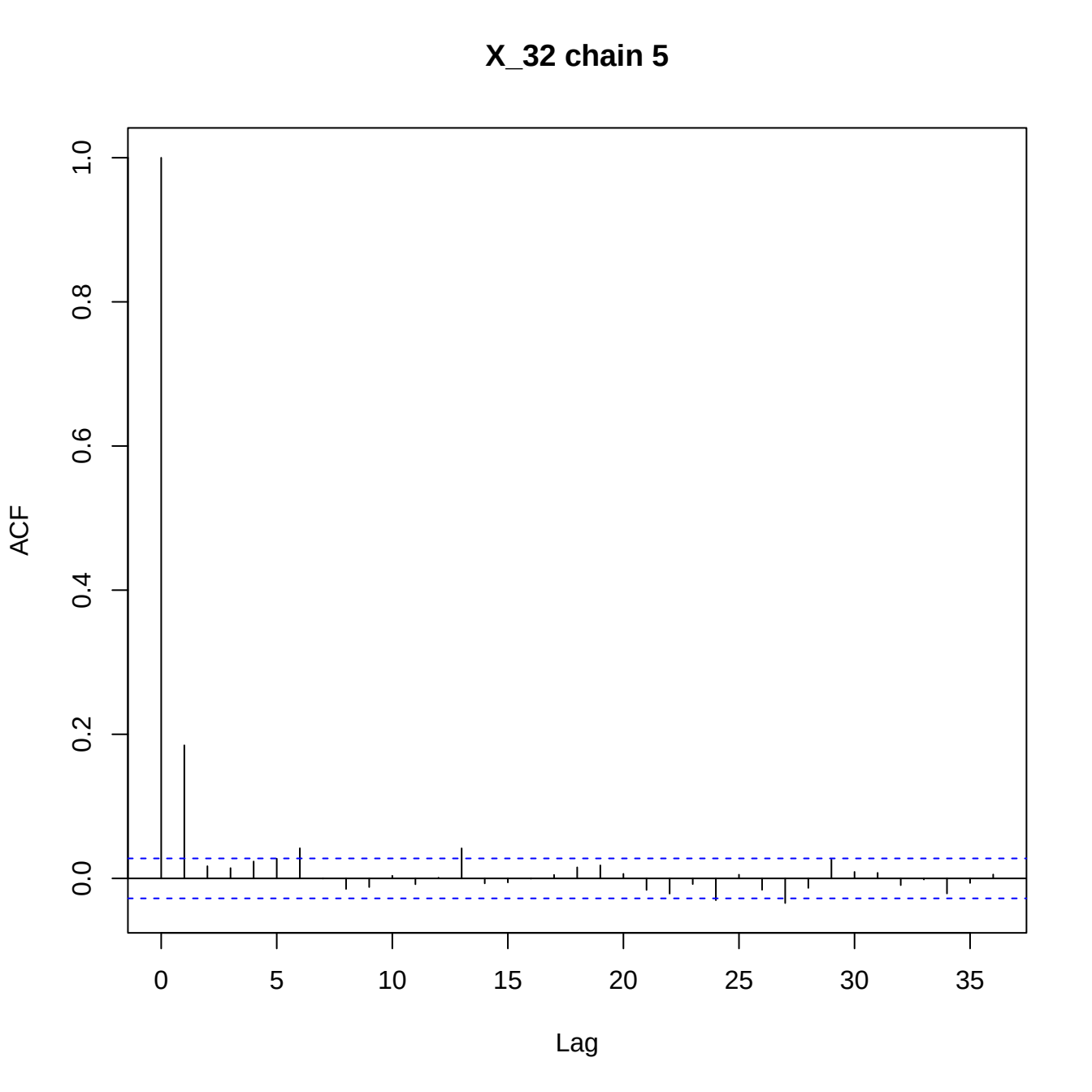
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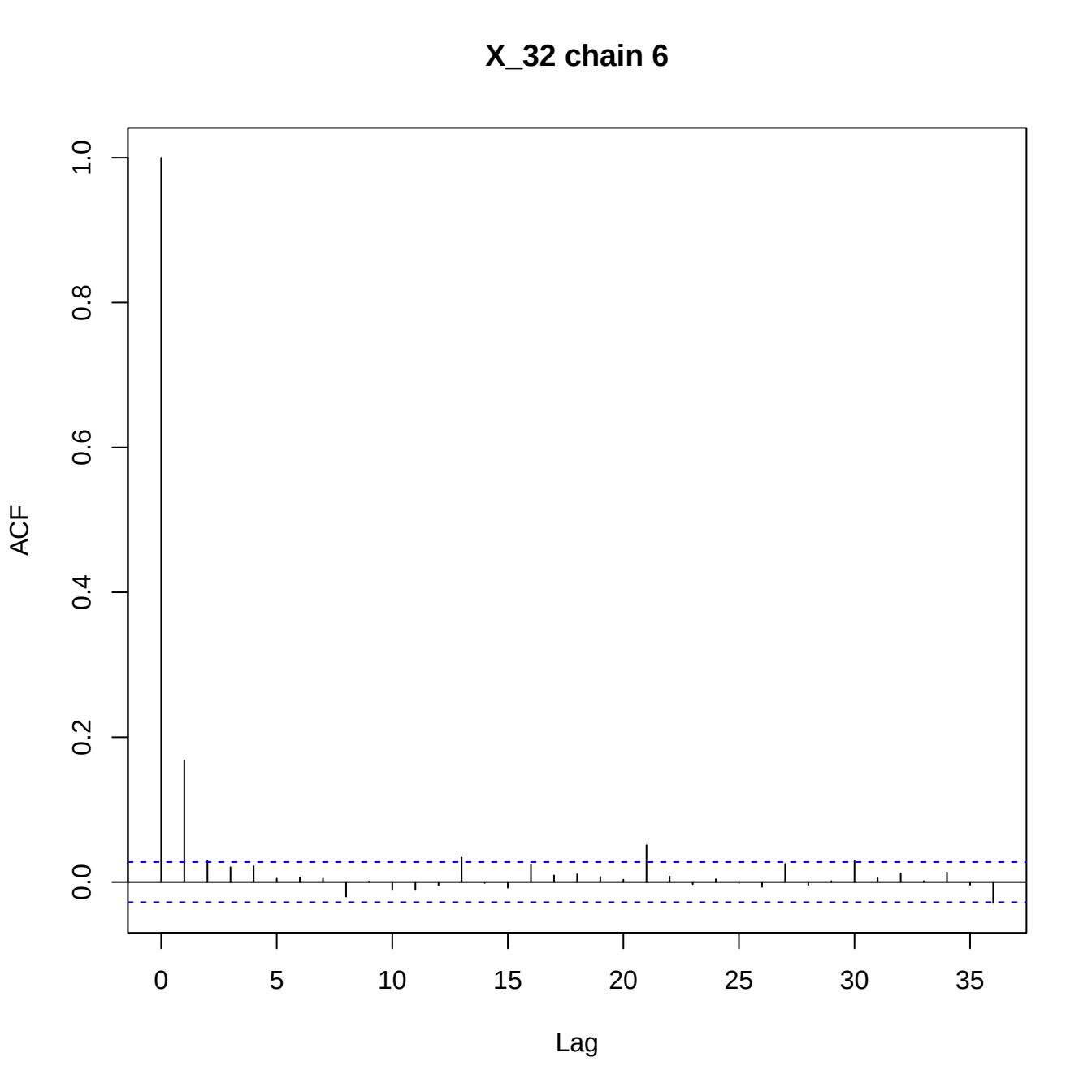
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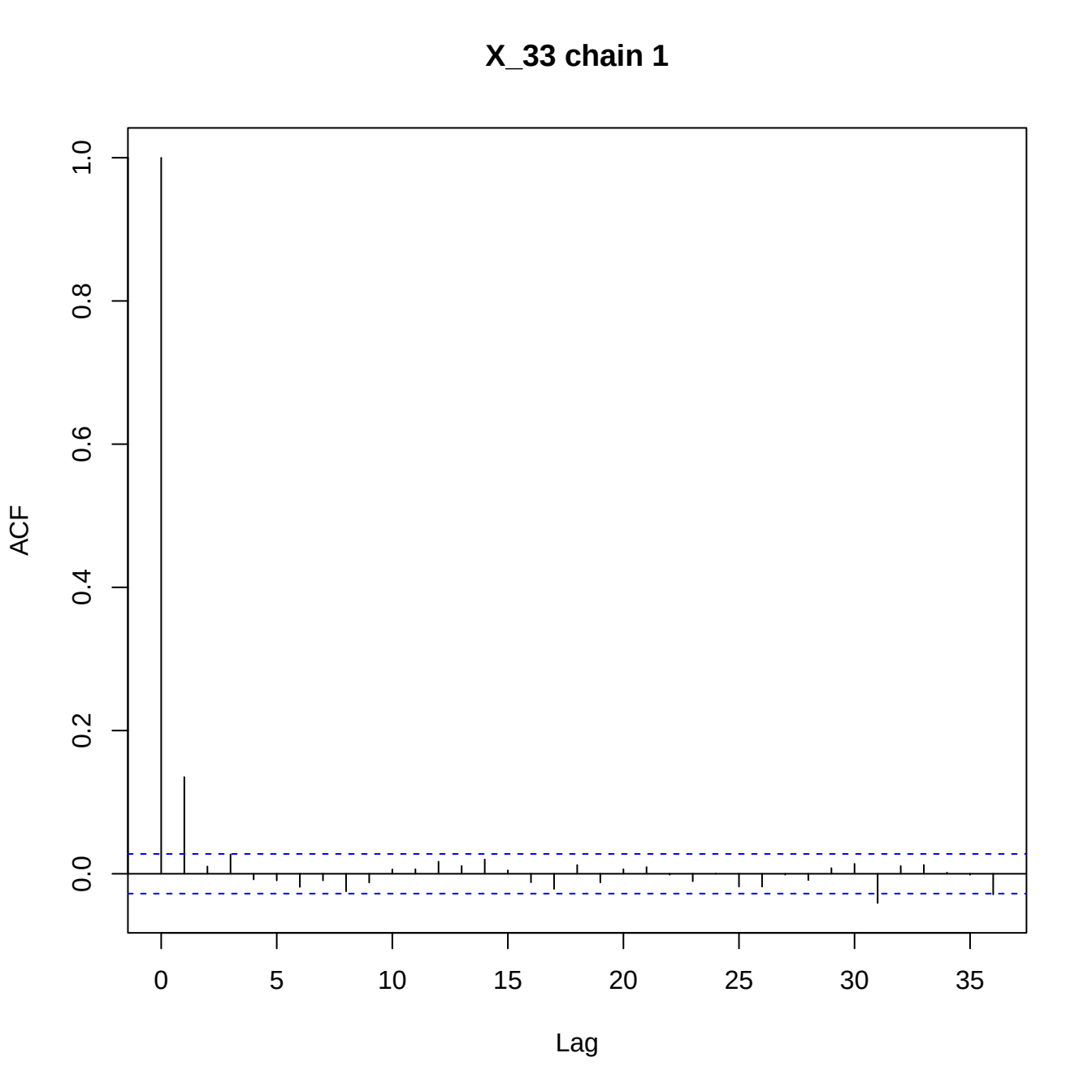
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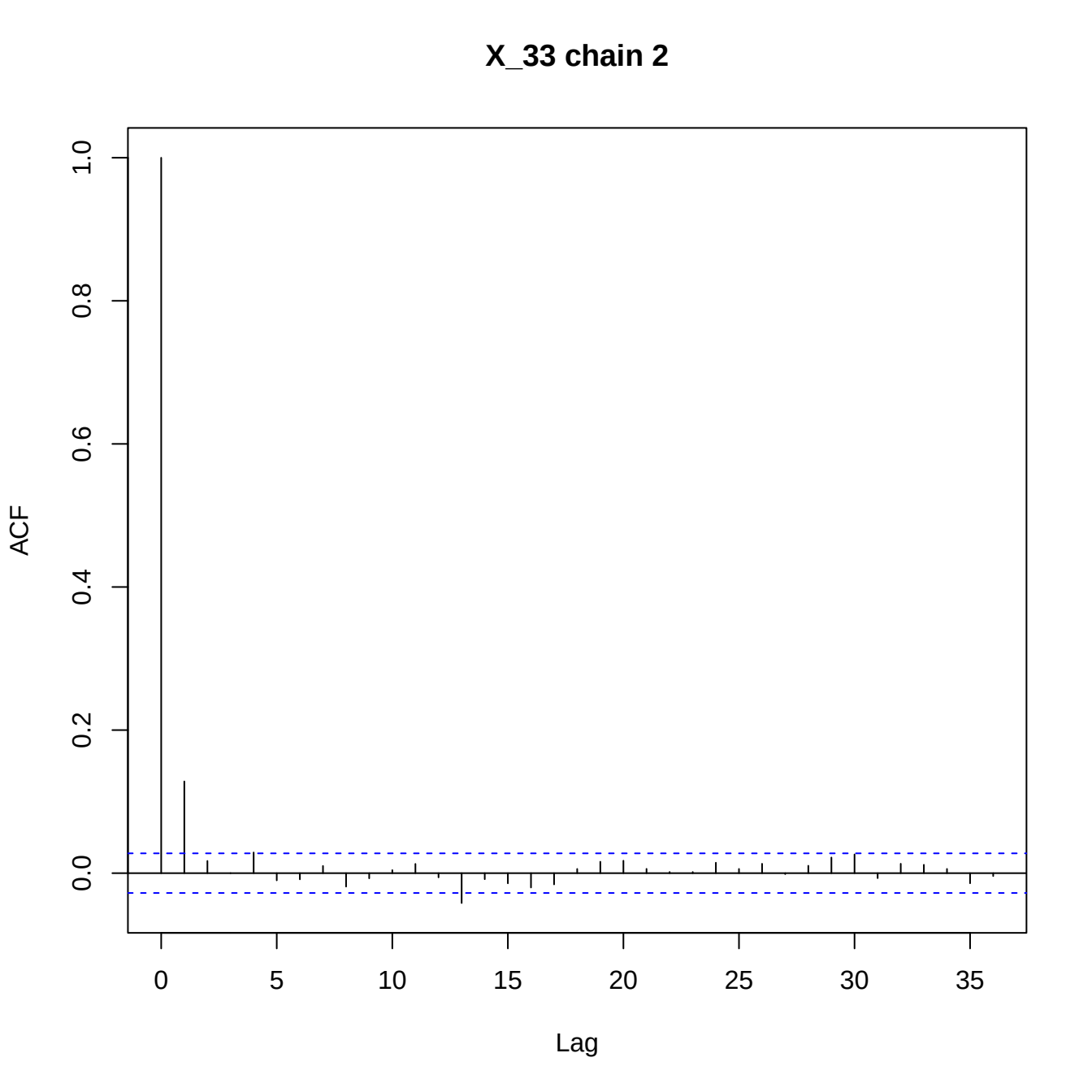
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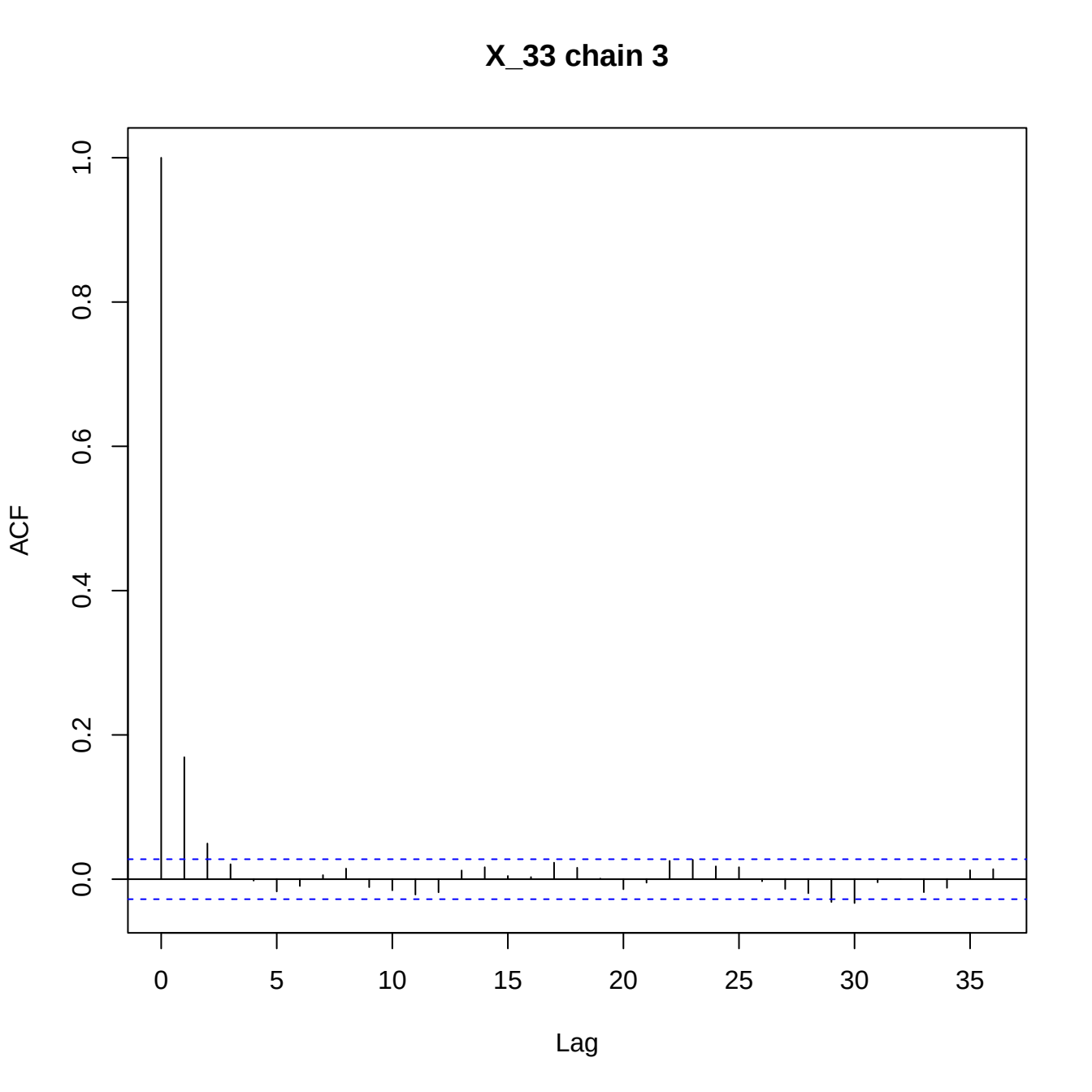
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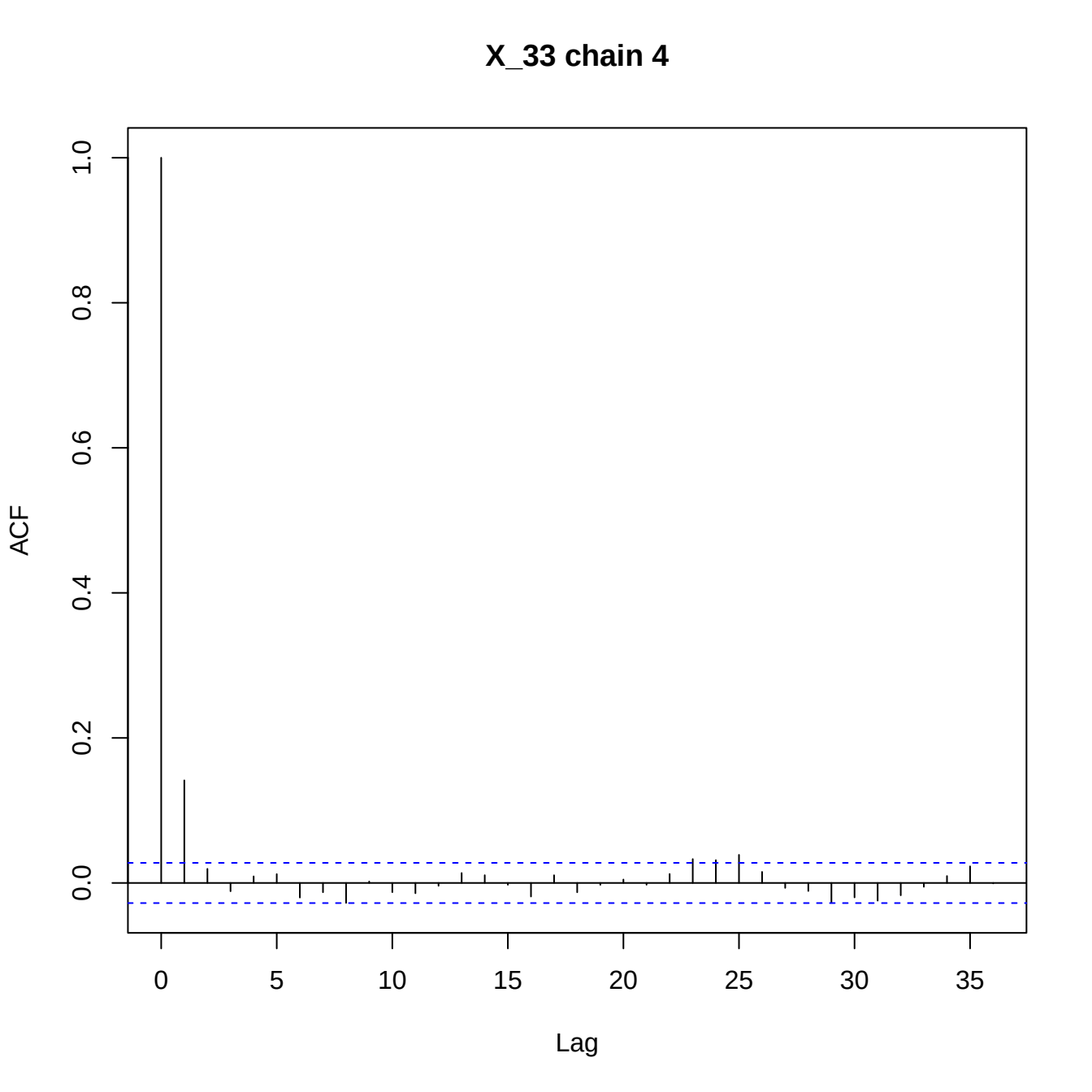
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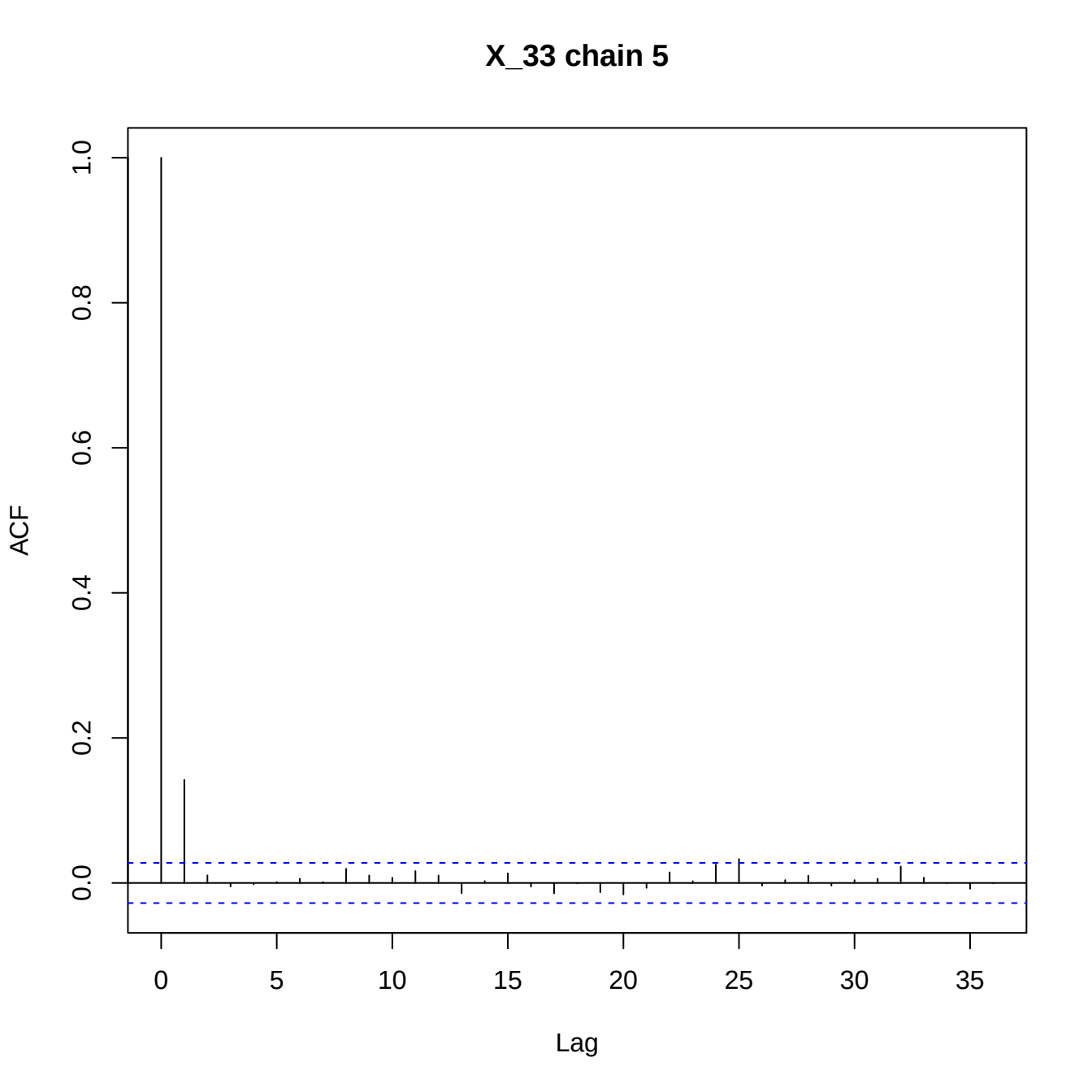
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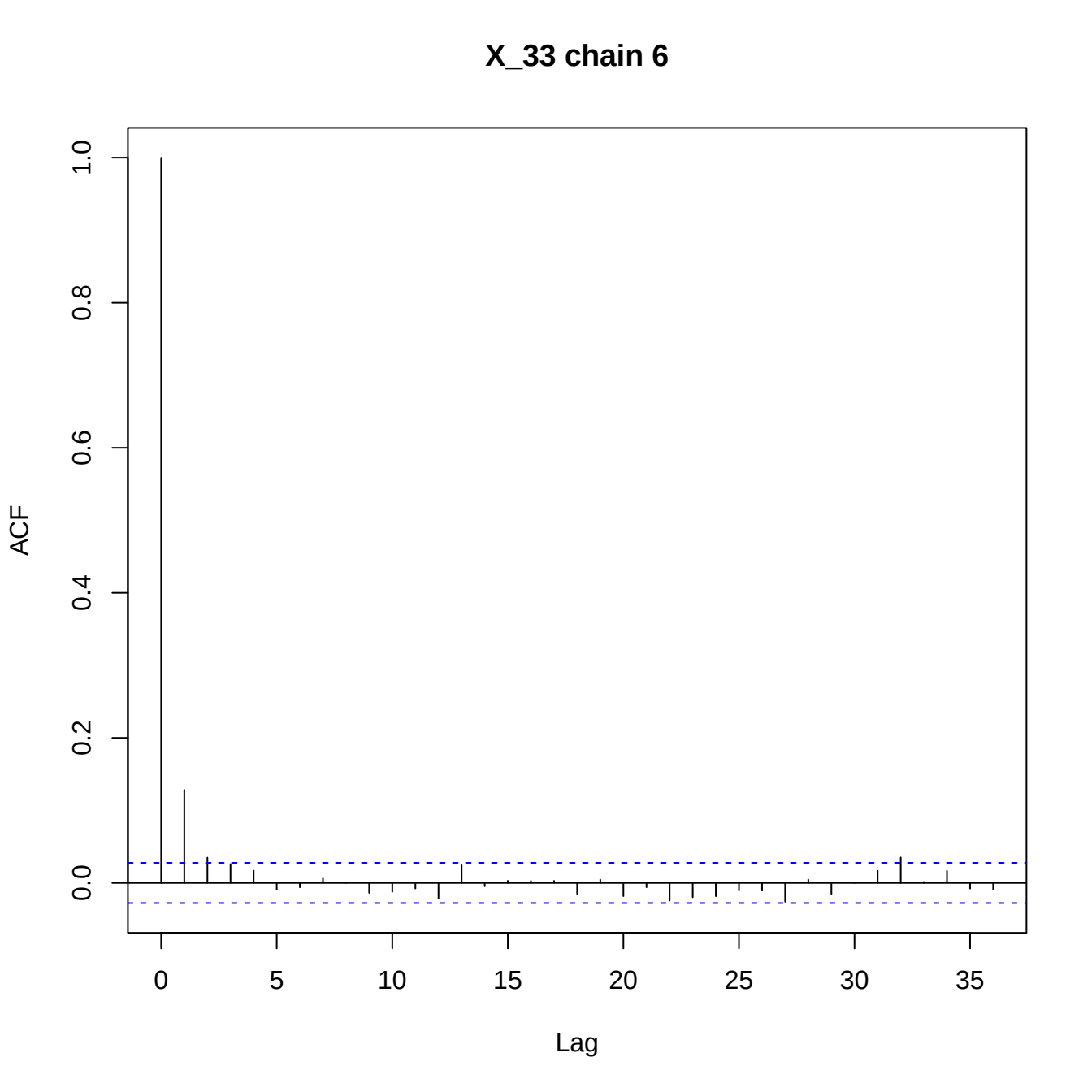
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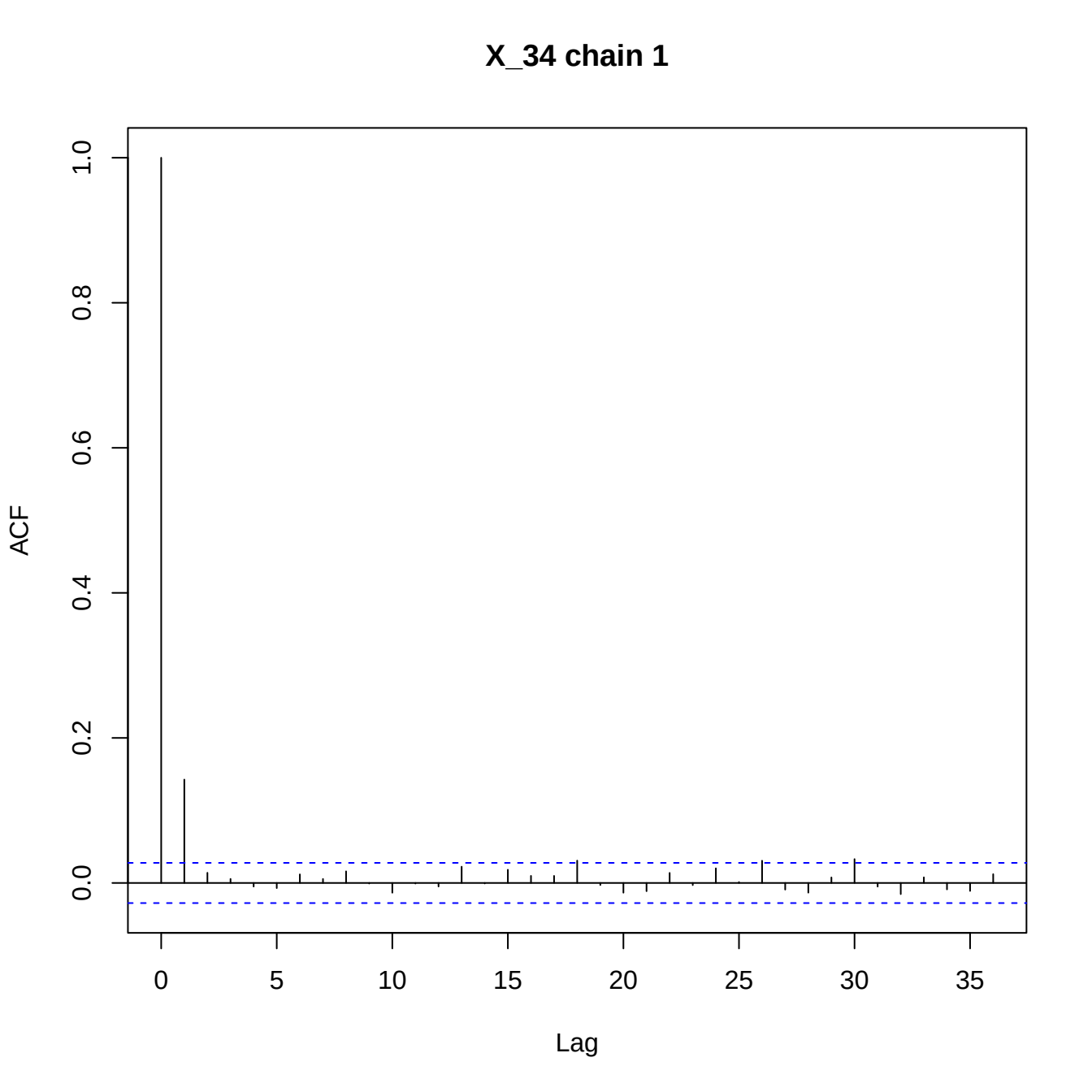
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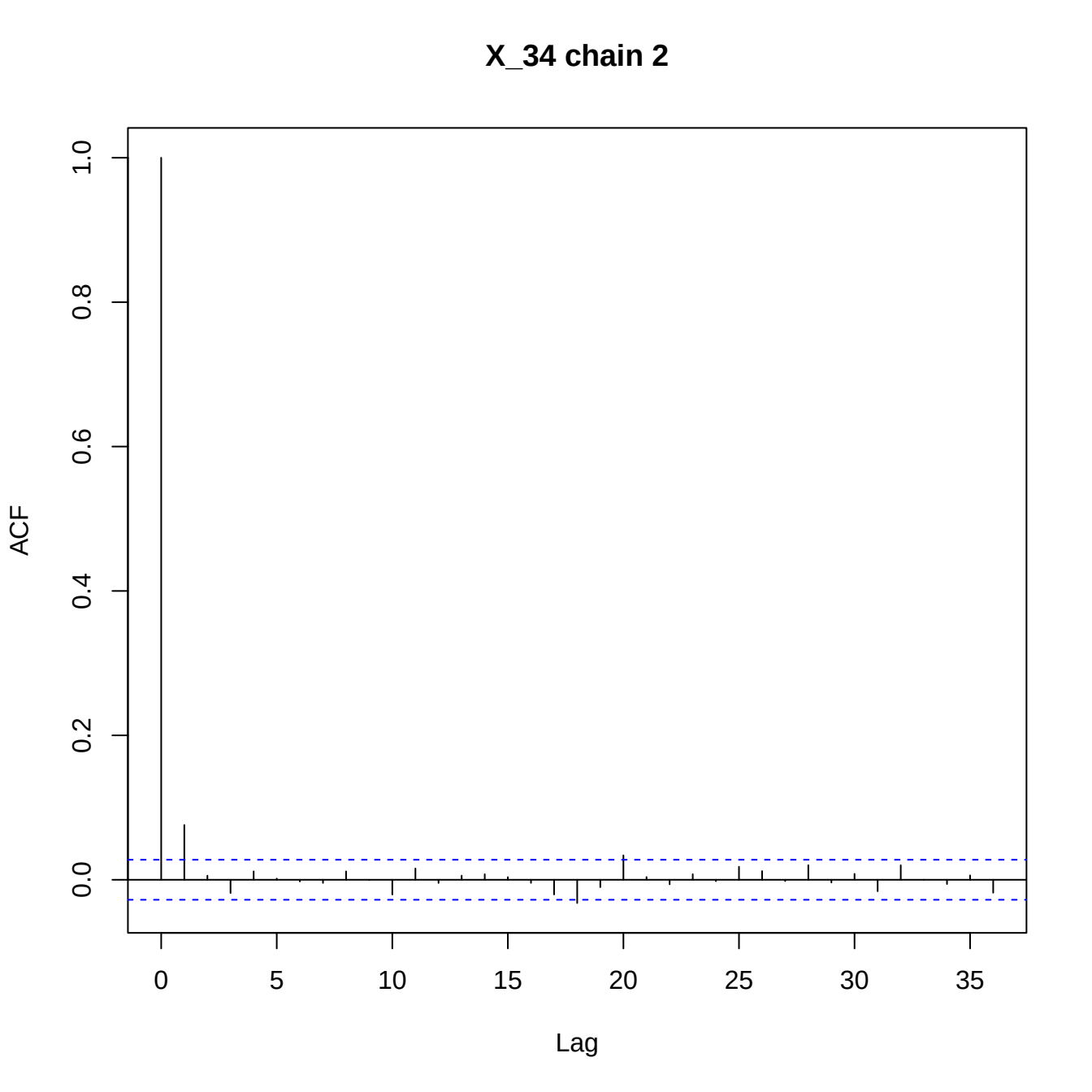
Lag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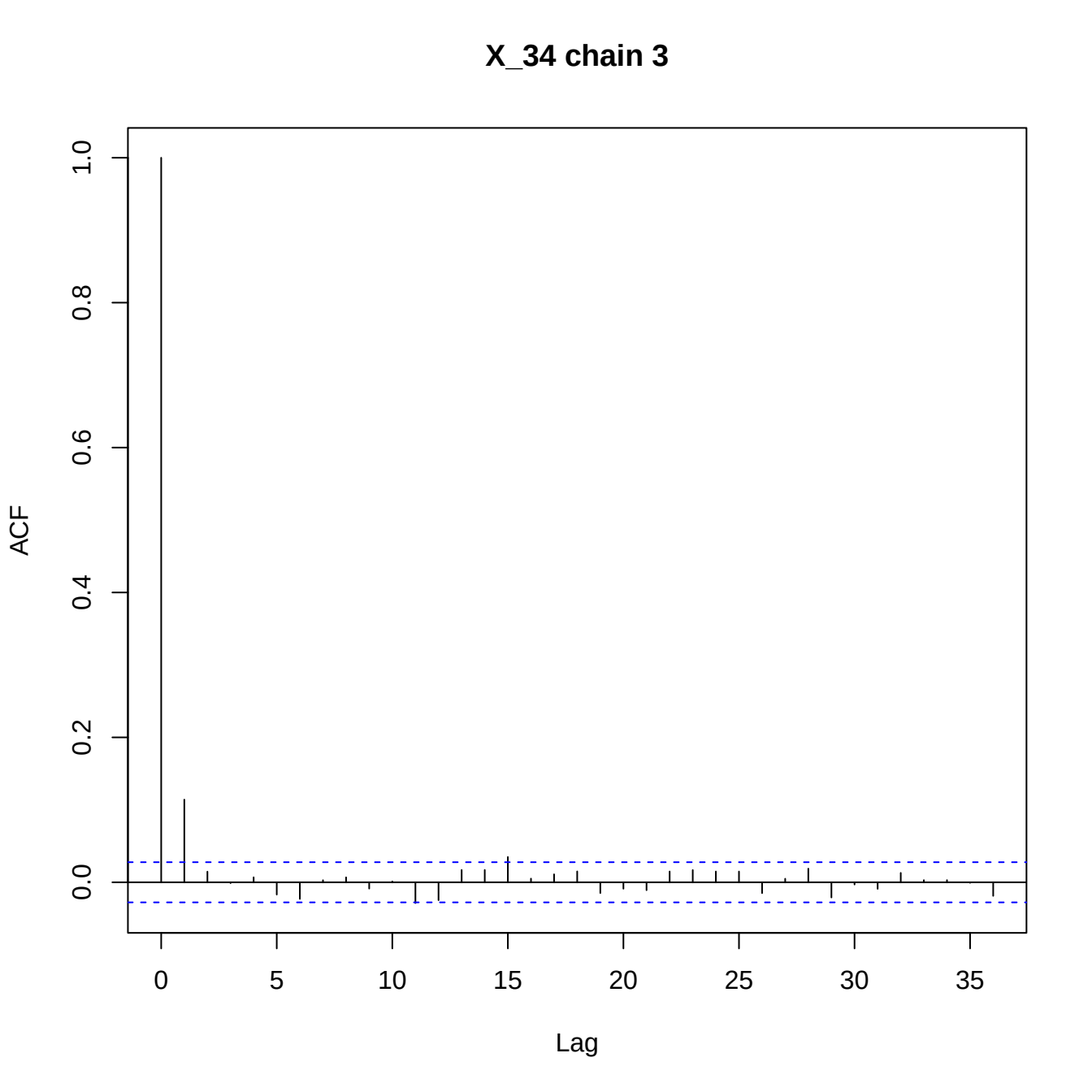
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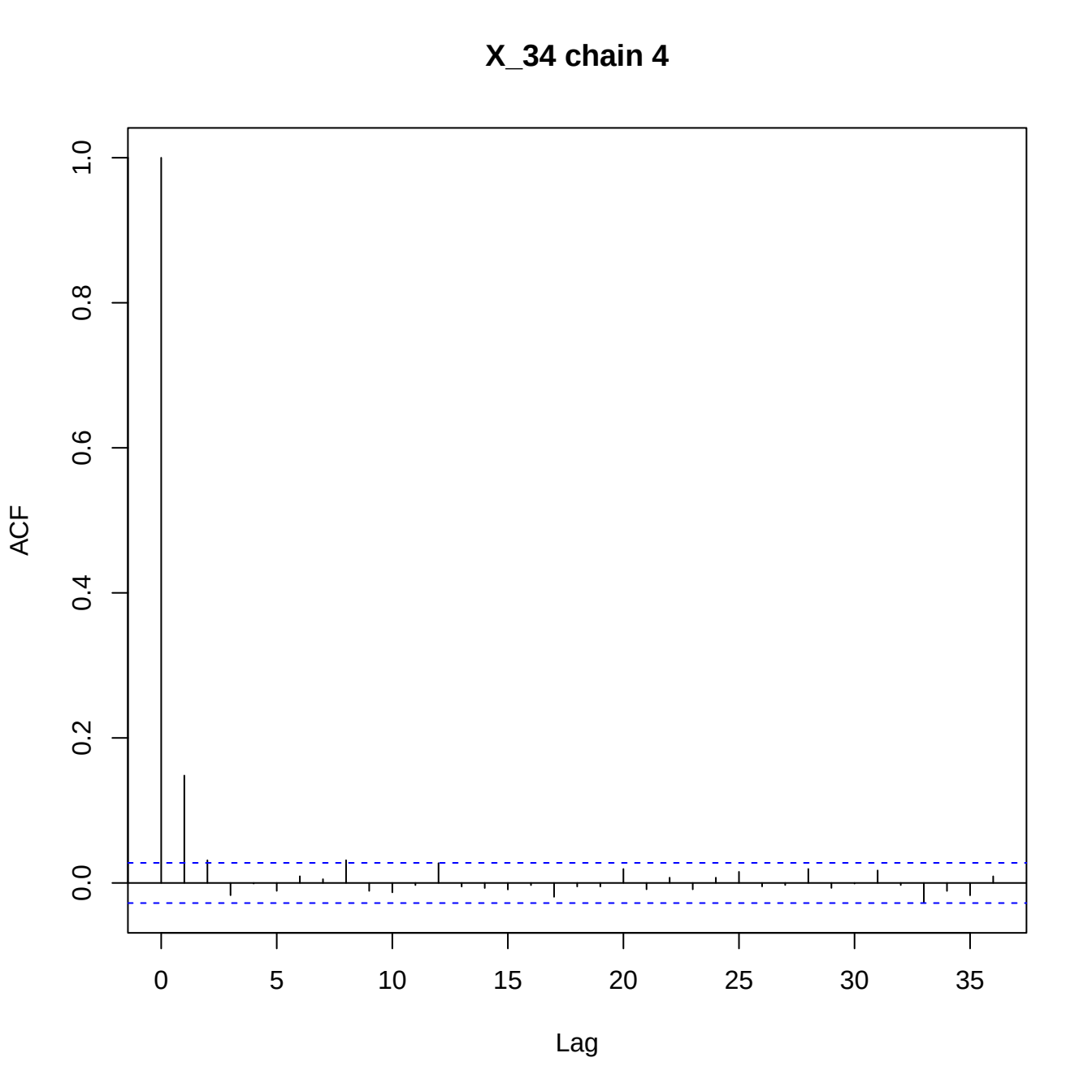
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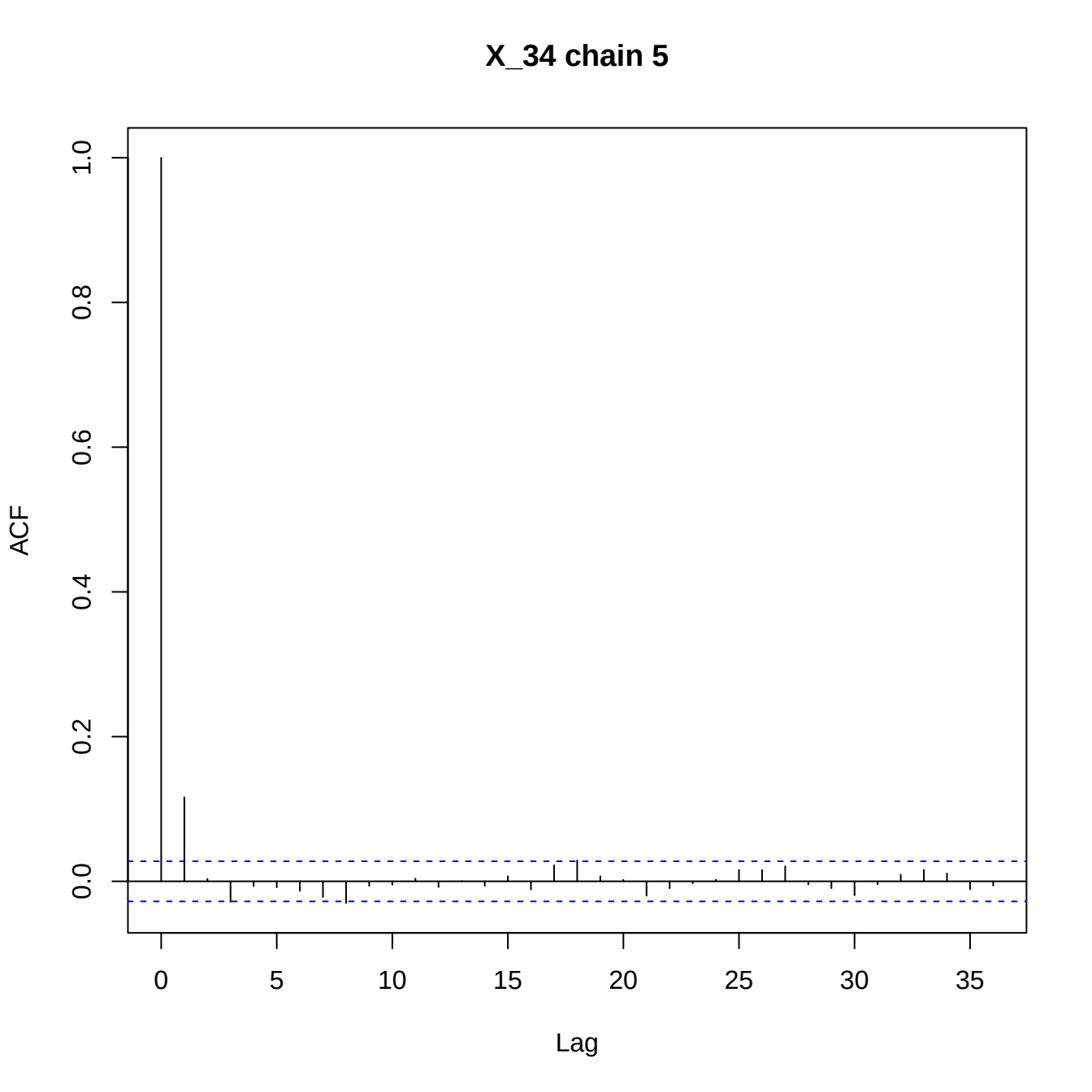
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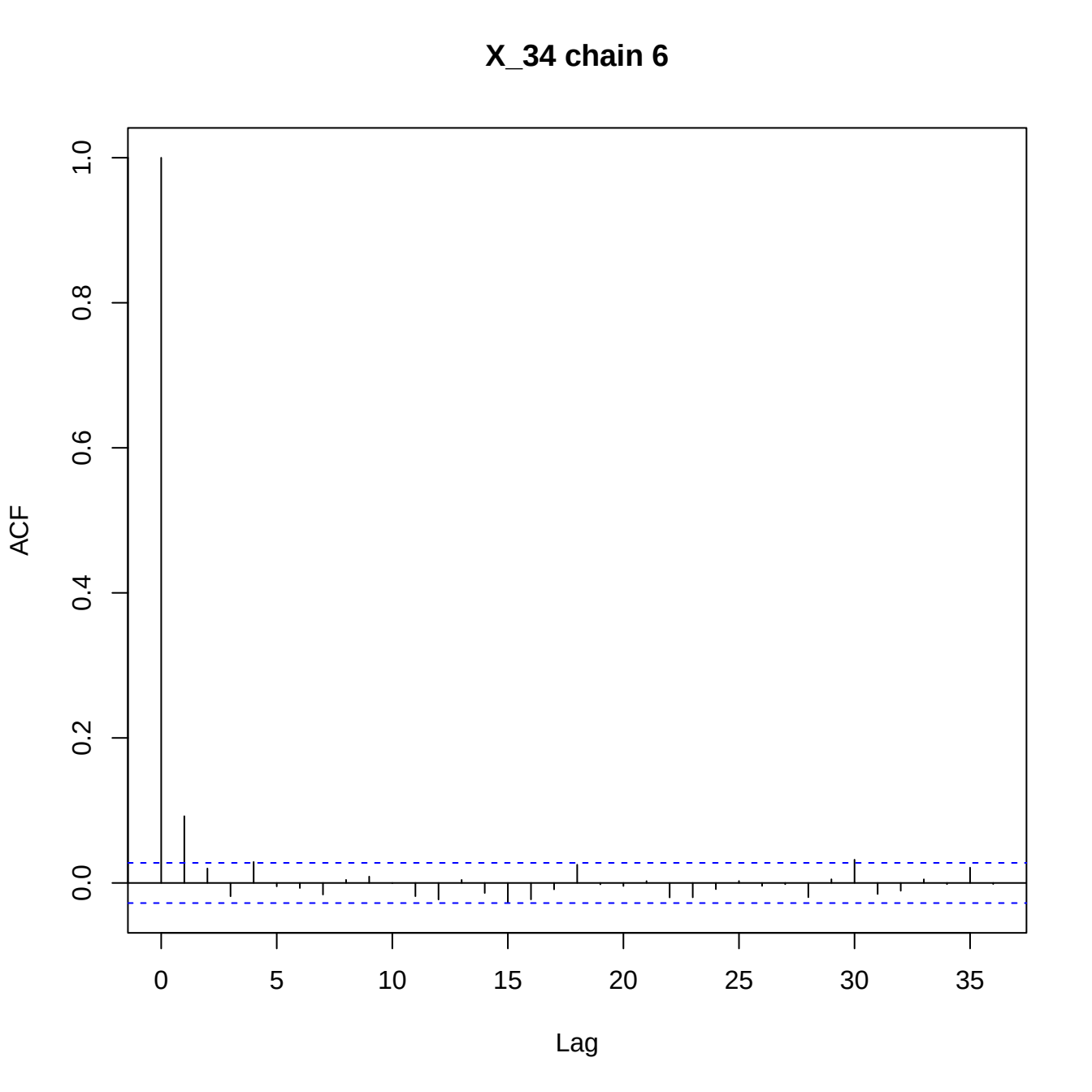
Lag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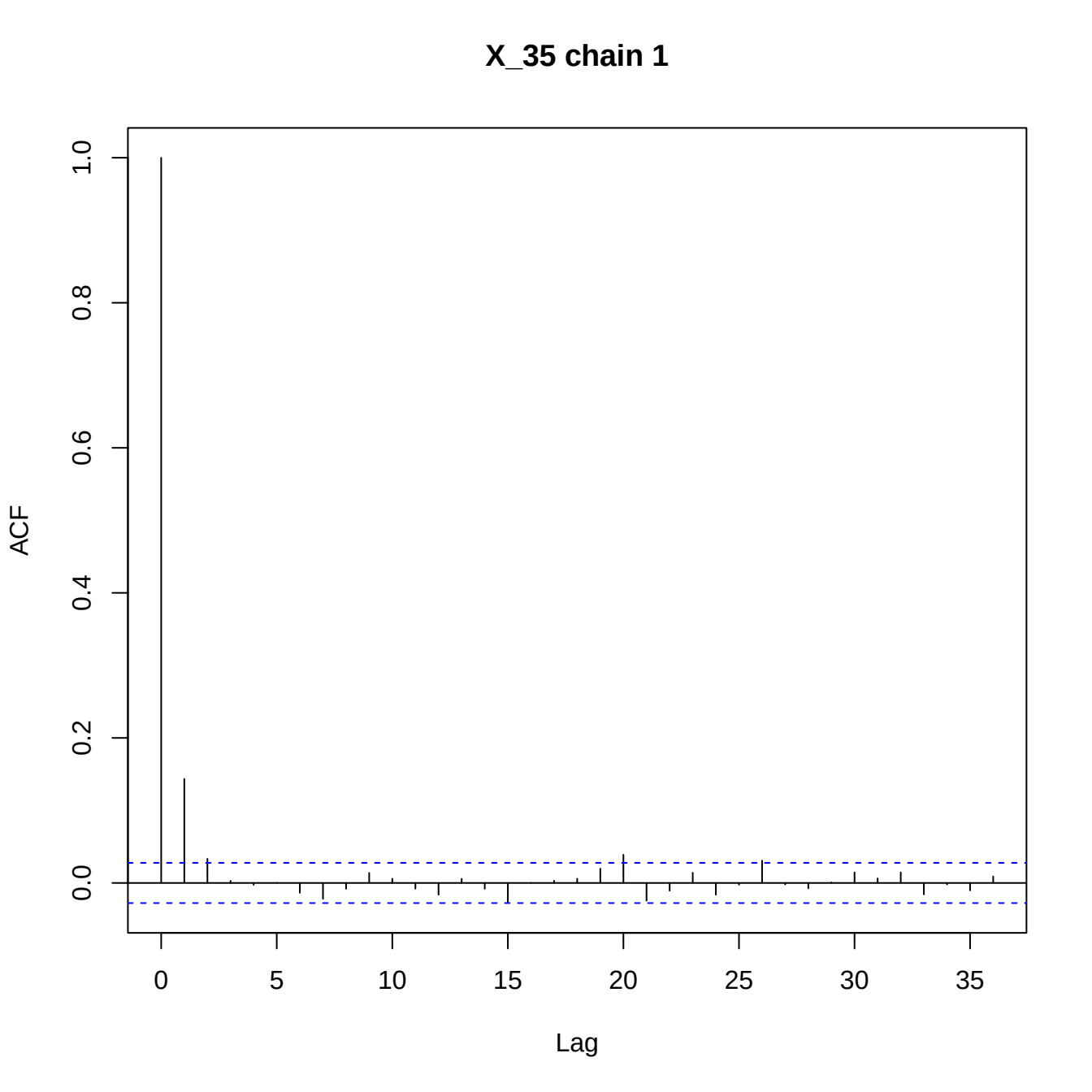
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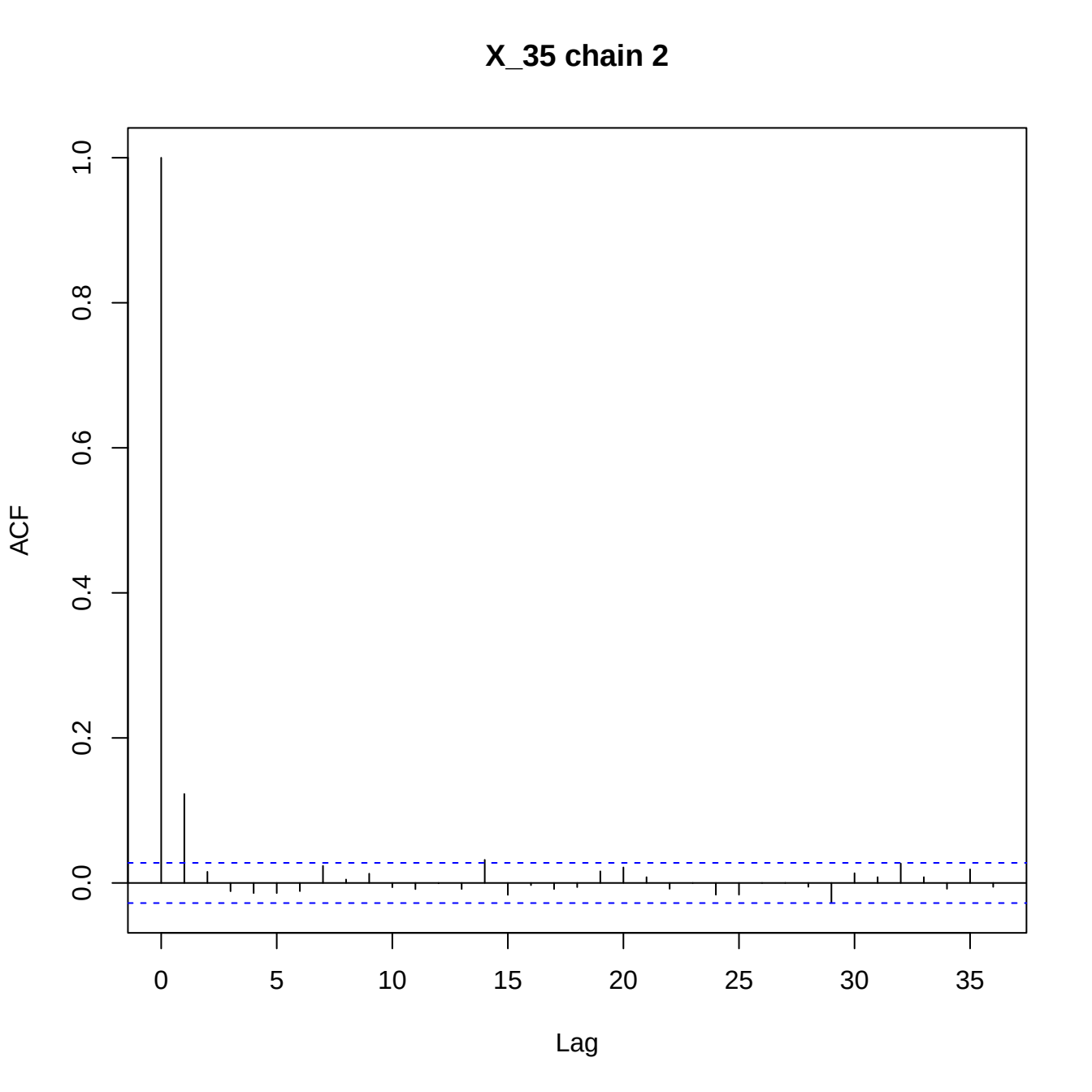
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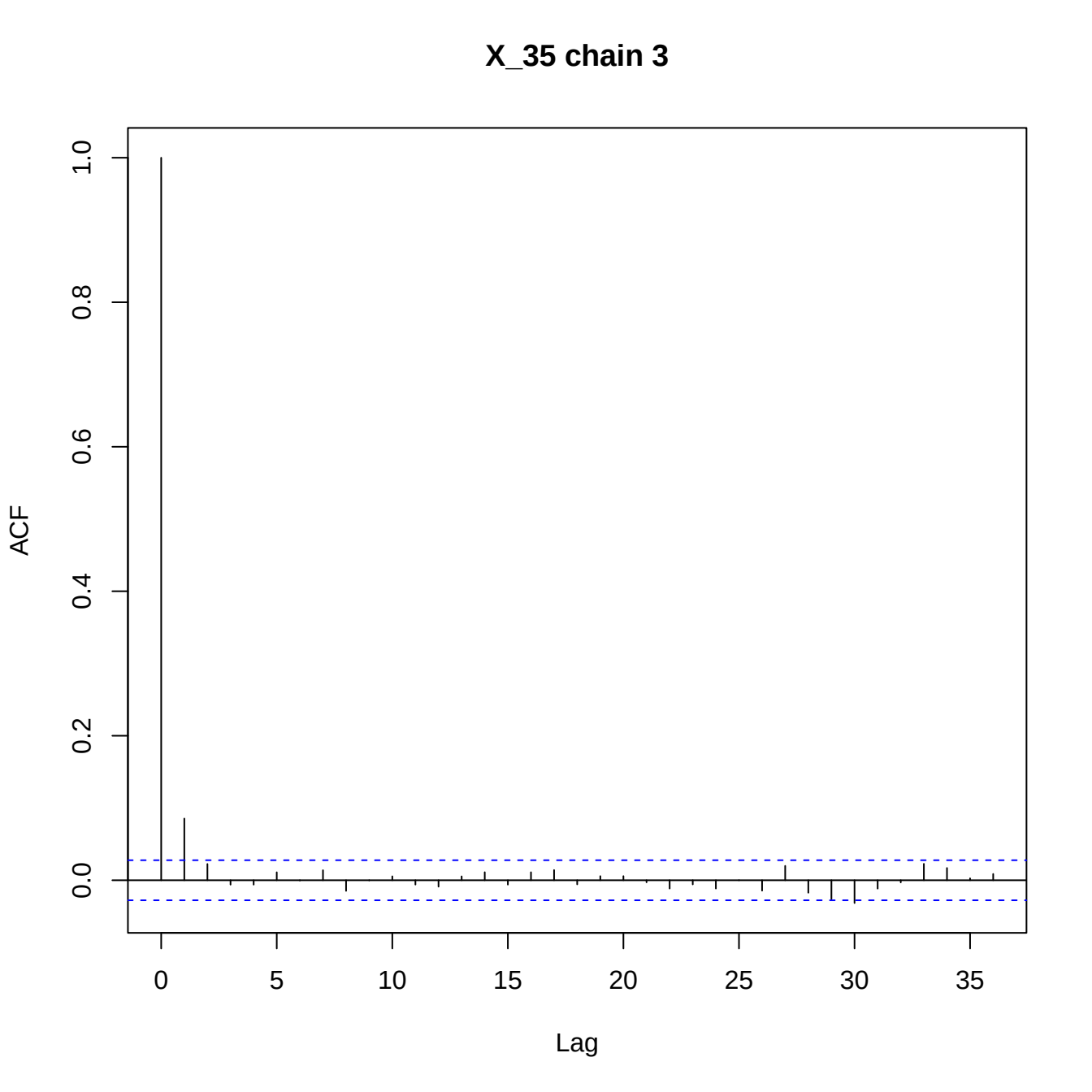
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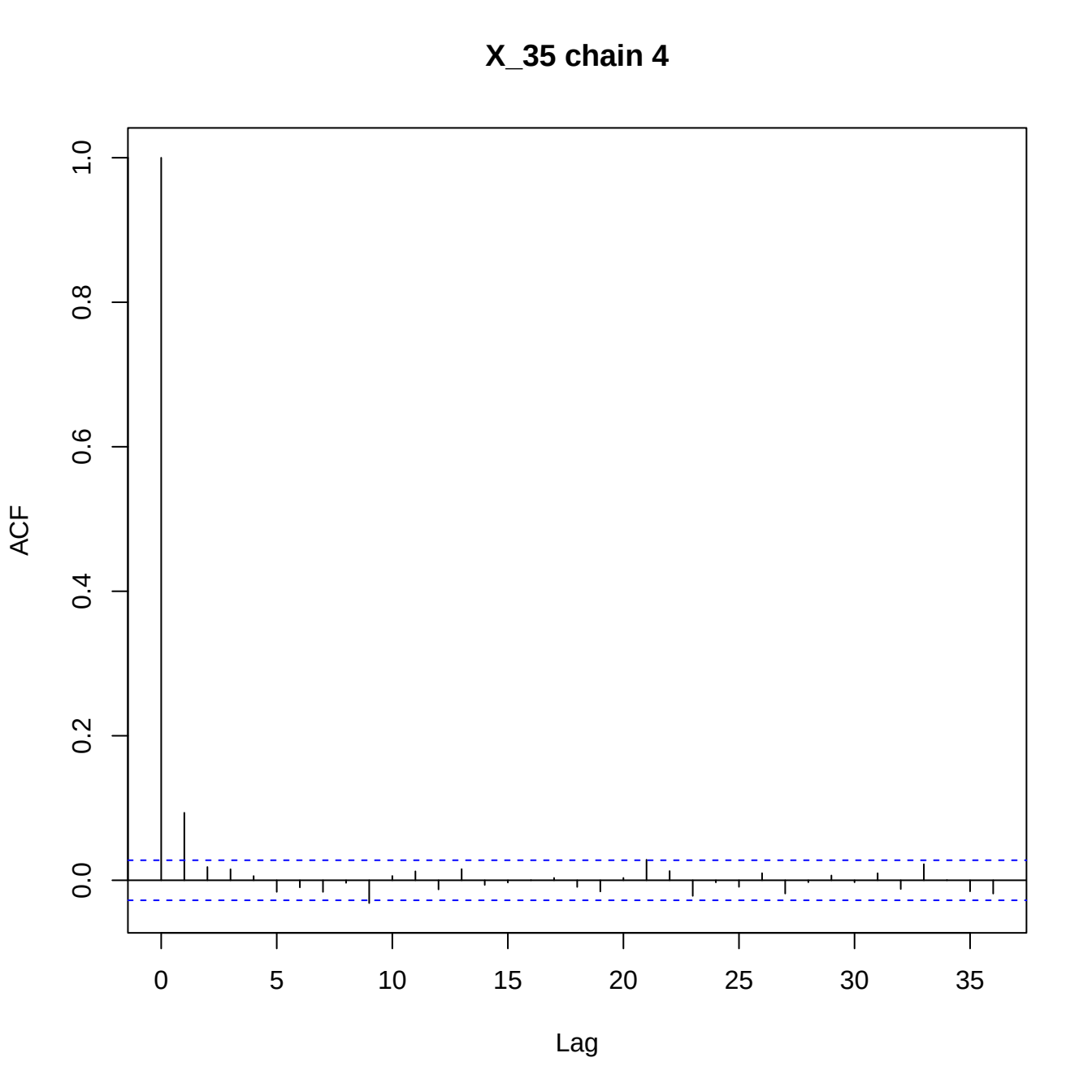
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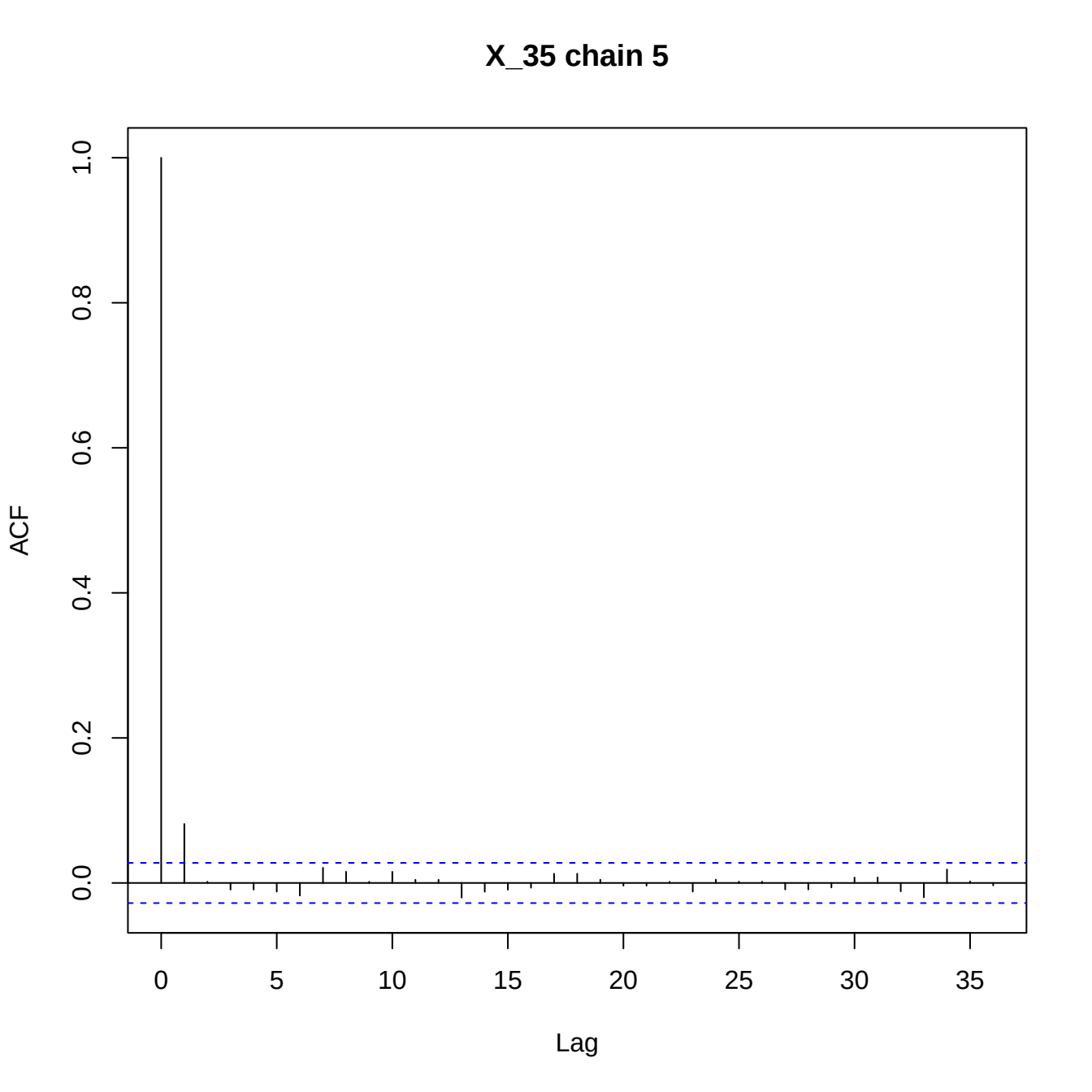
Lag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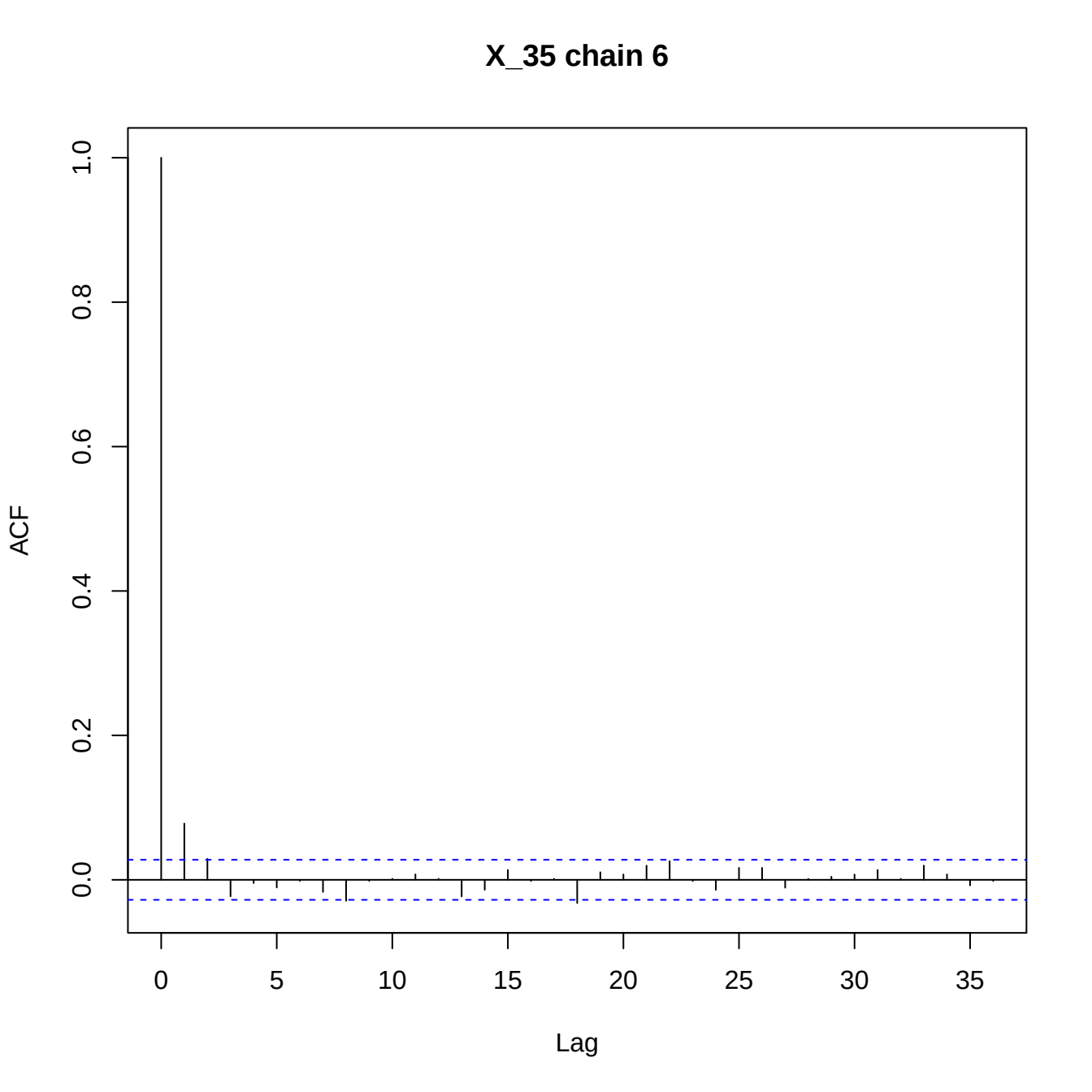
Lag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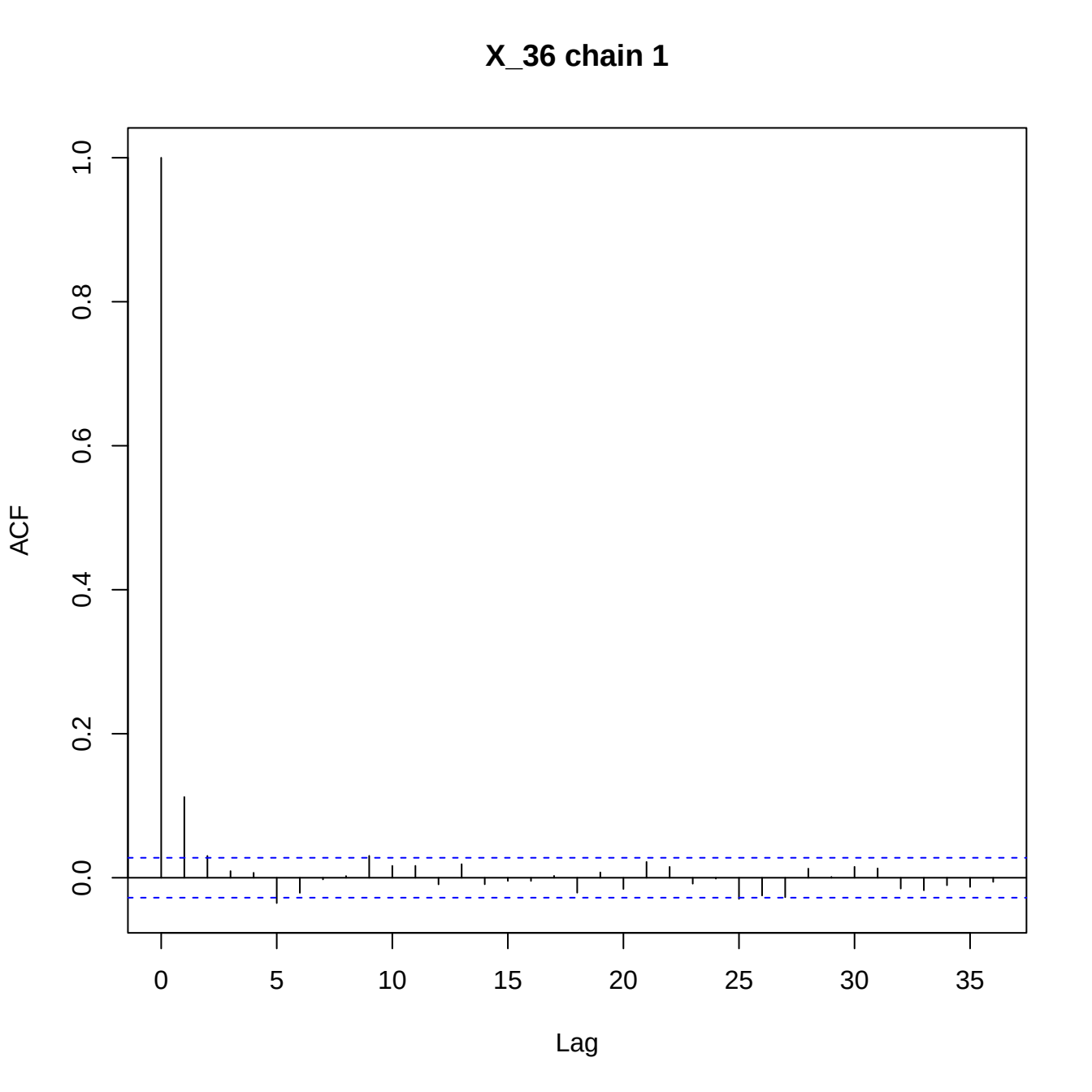
Lag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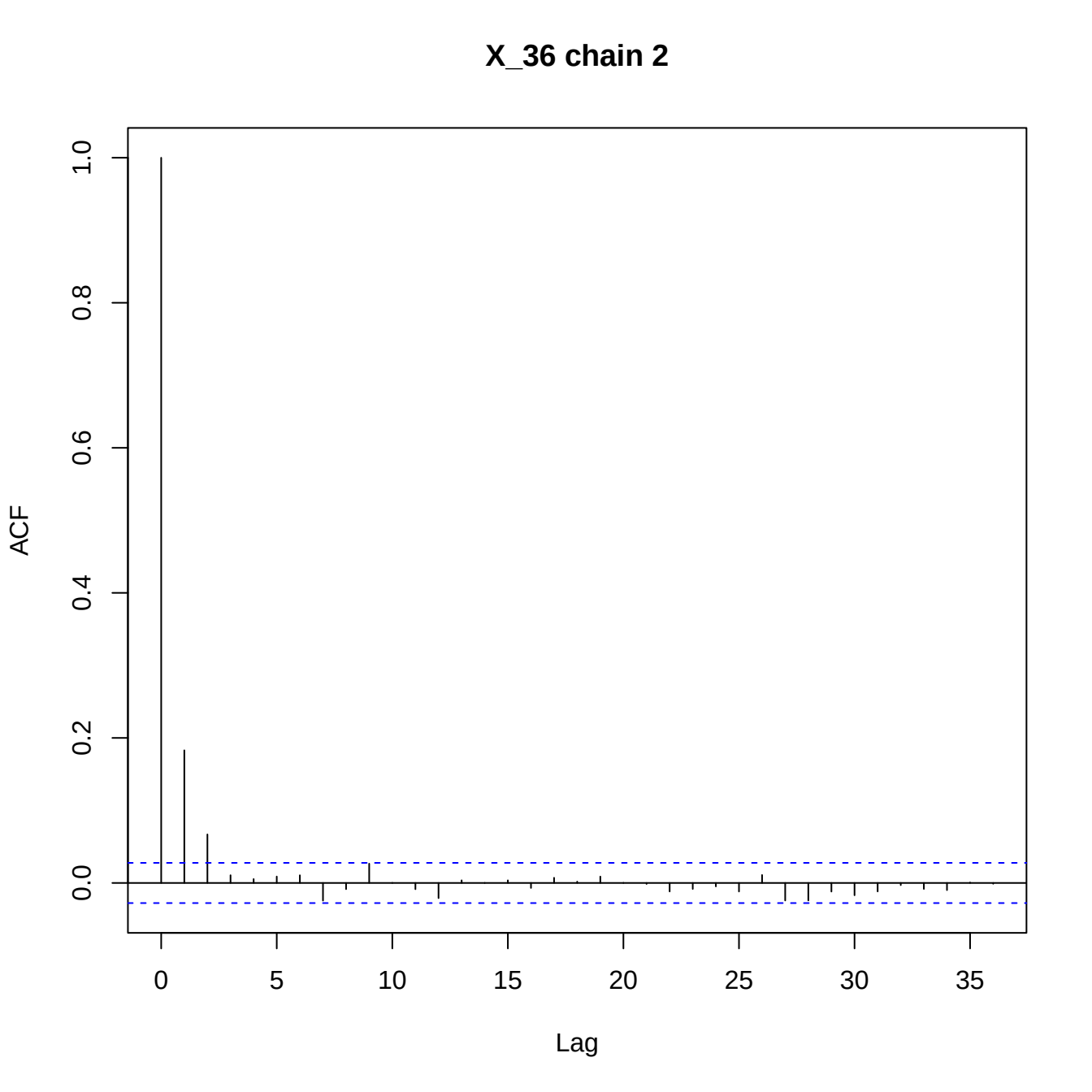
Lag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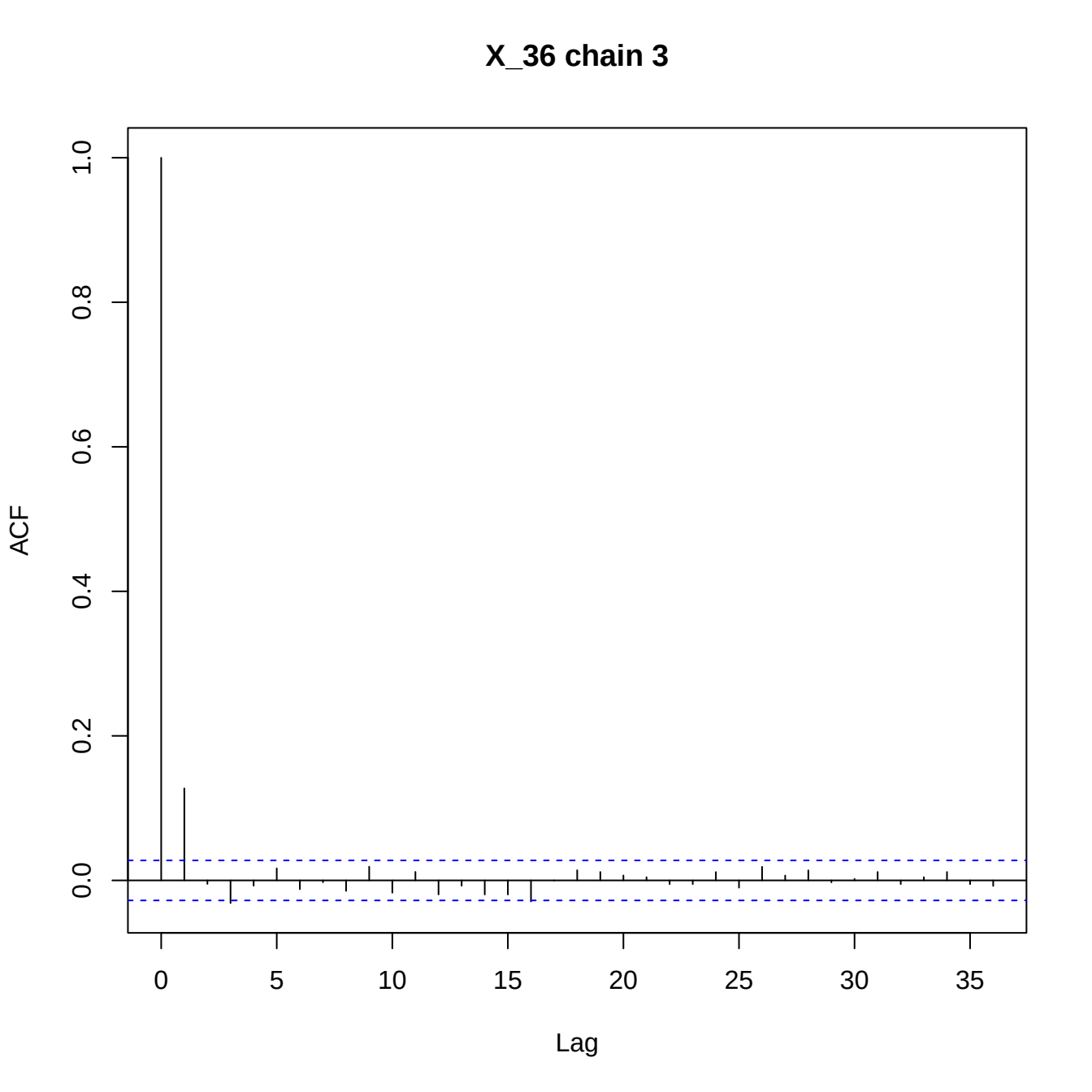
Lag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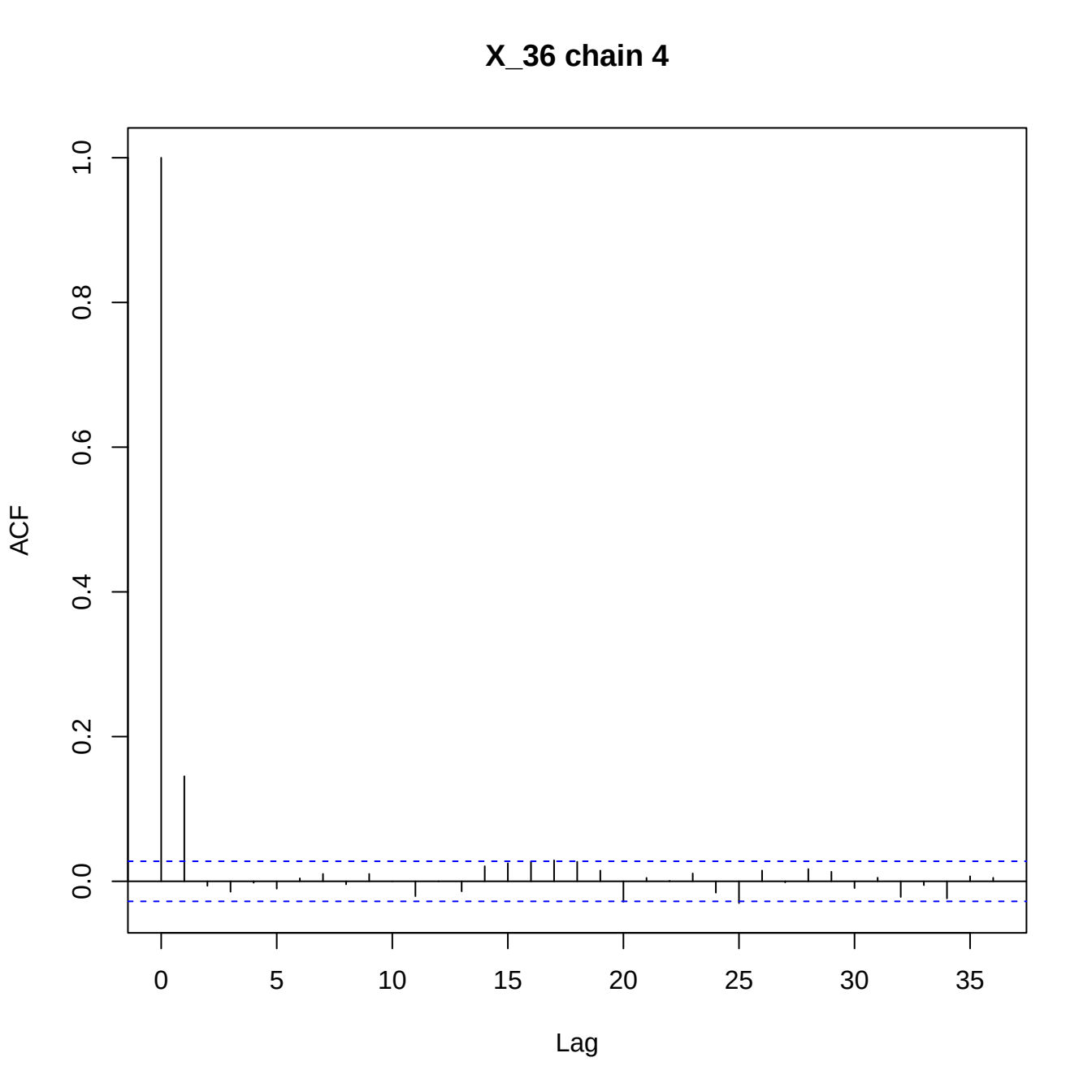
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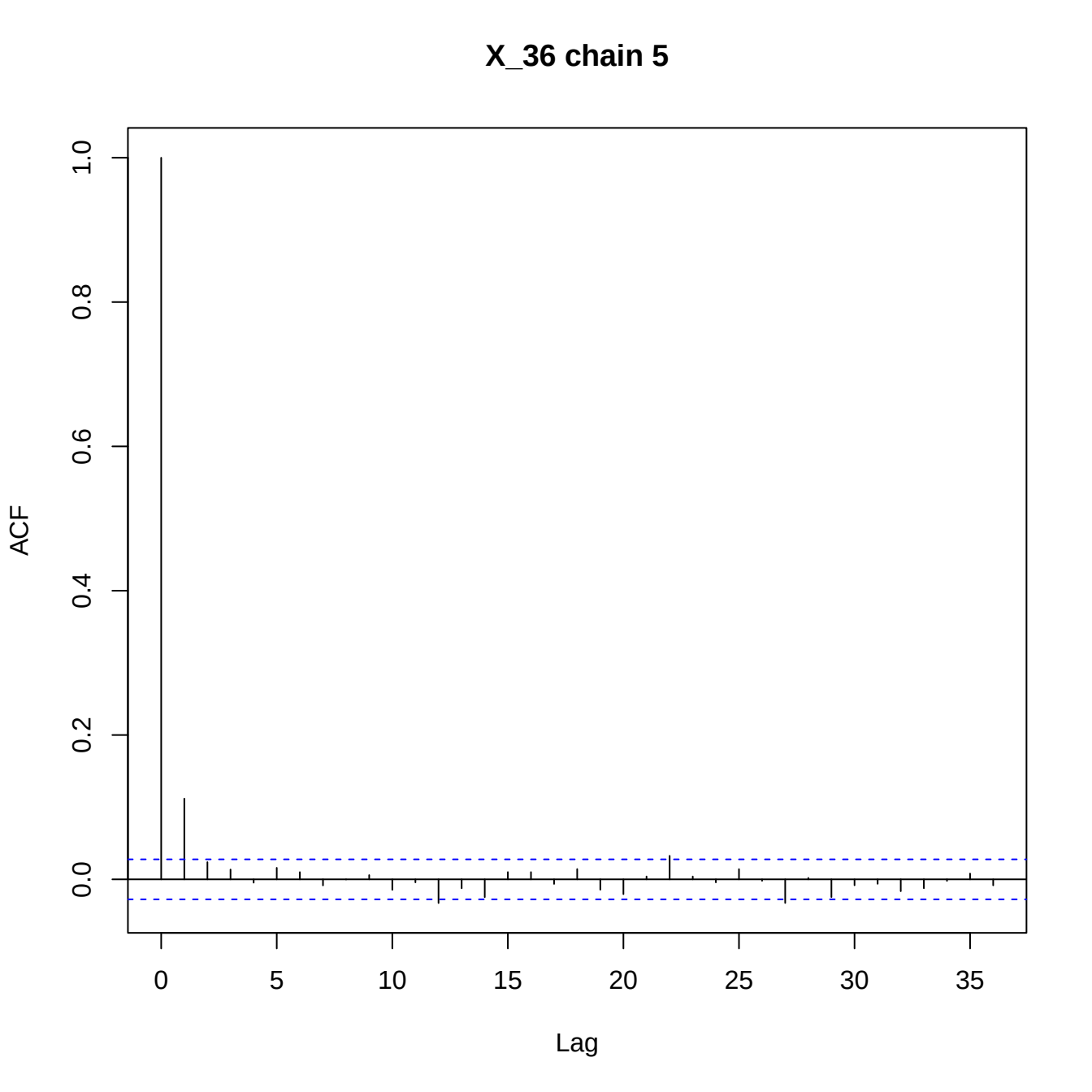
Lag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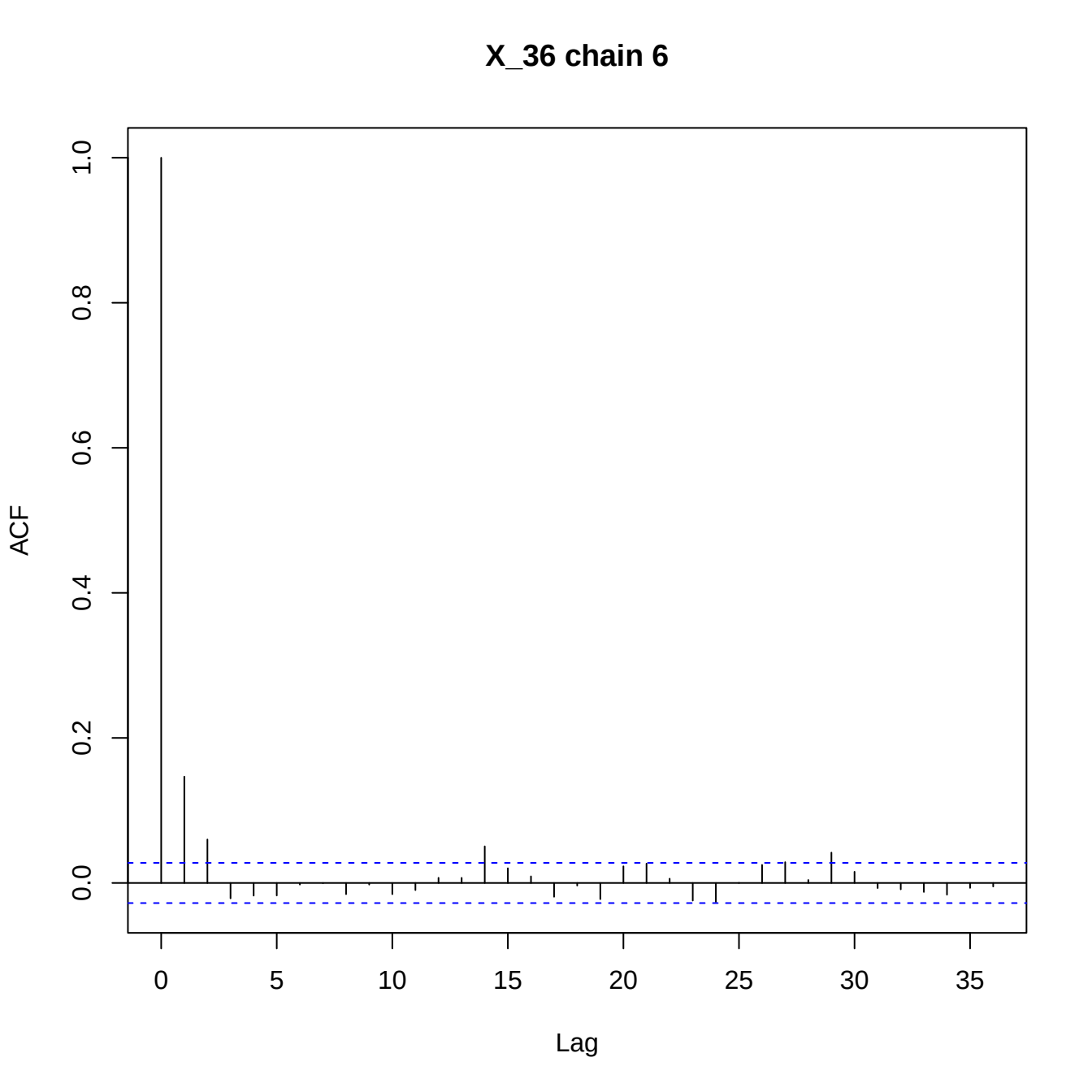
Lag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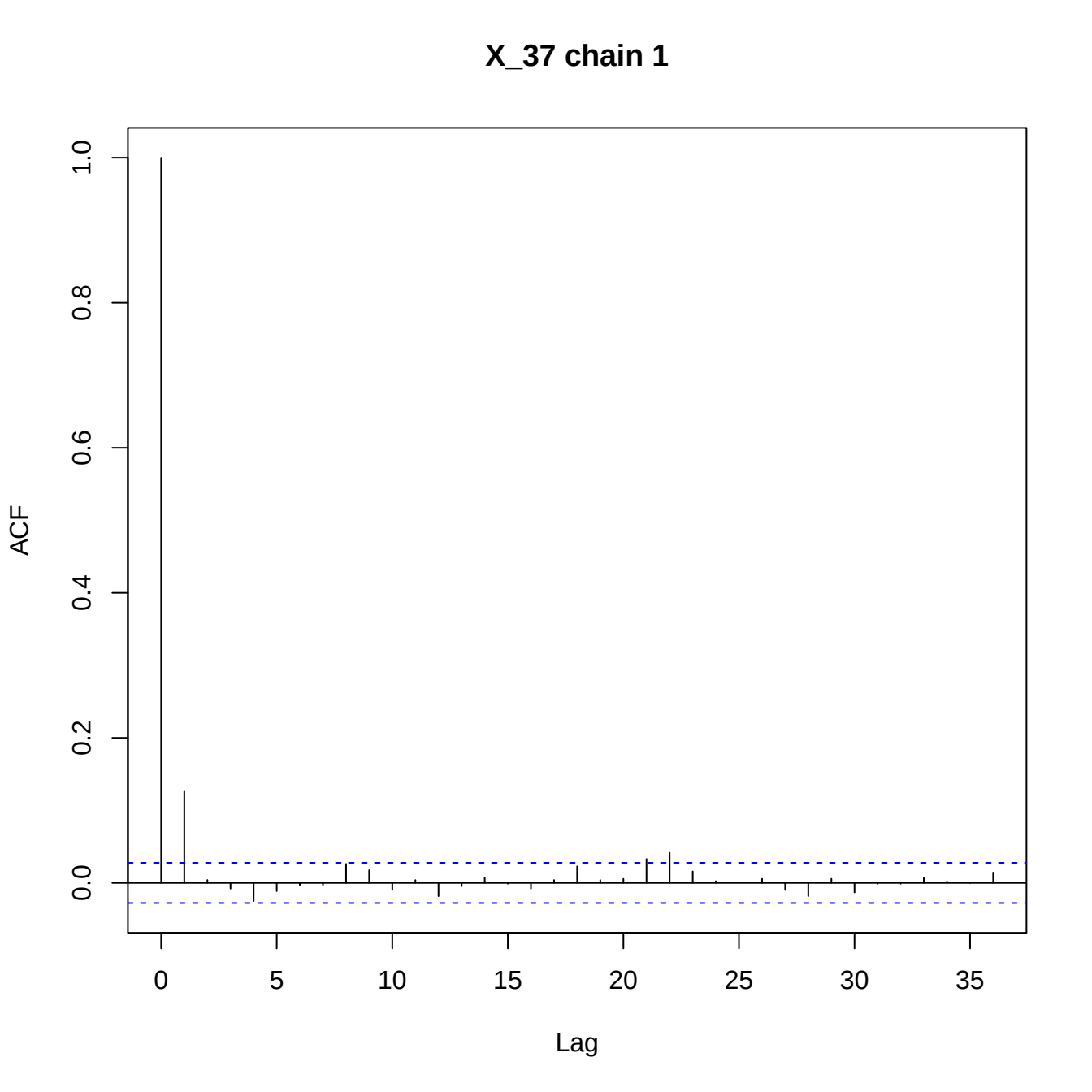
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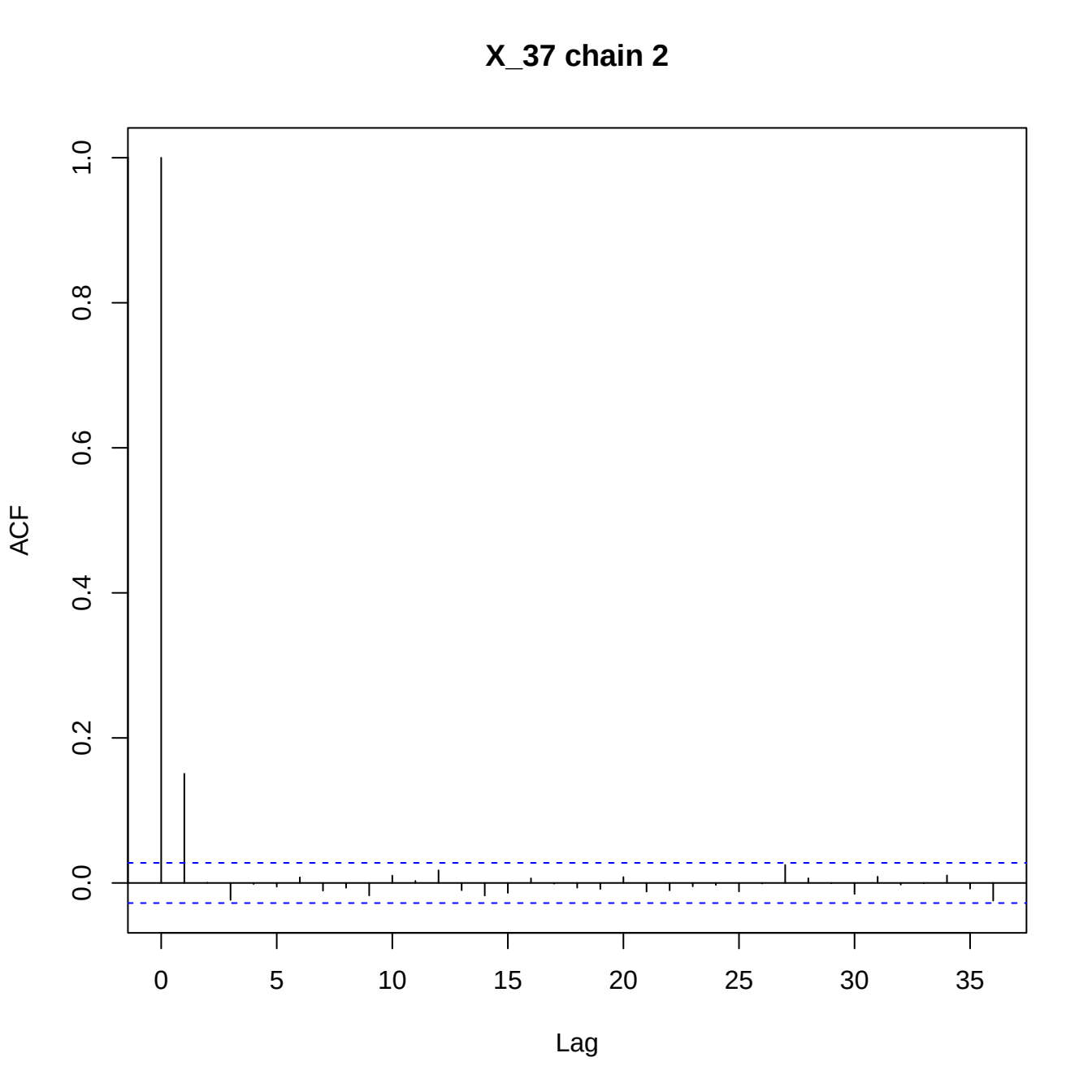
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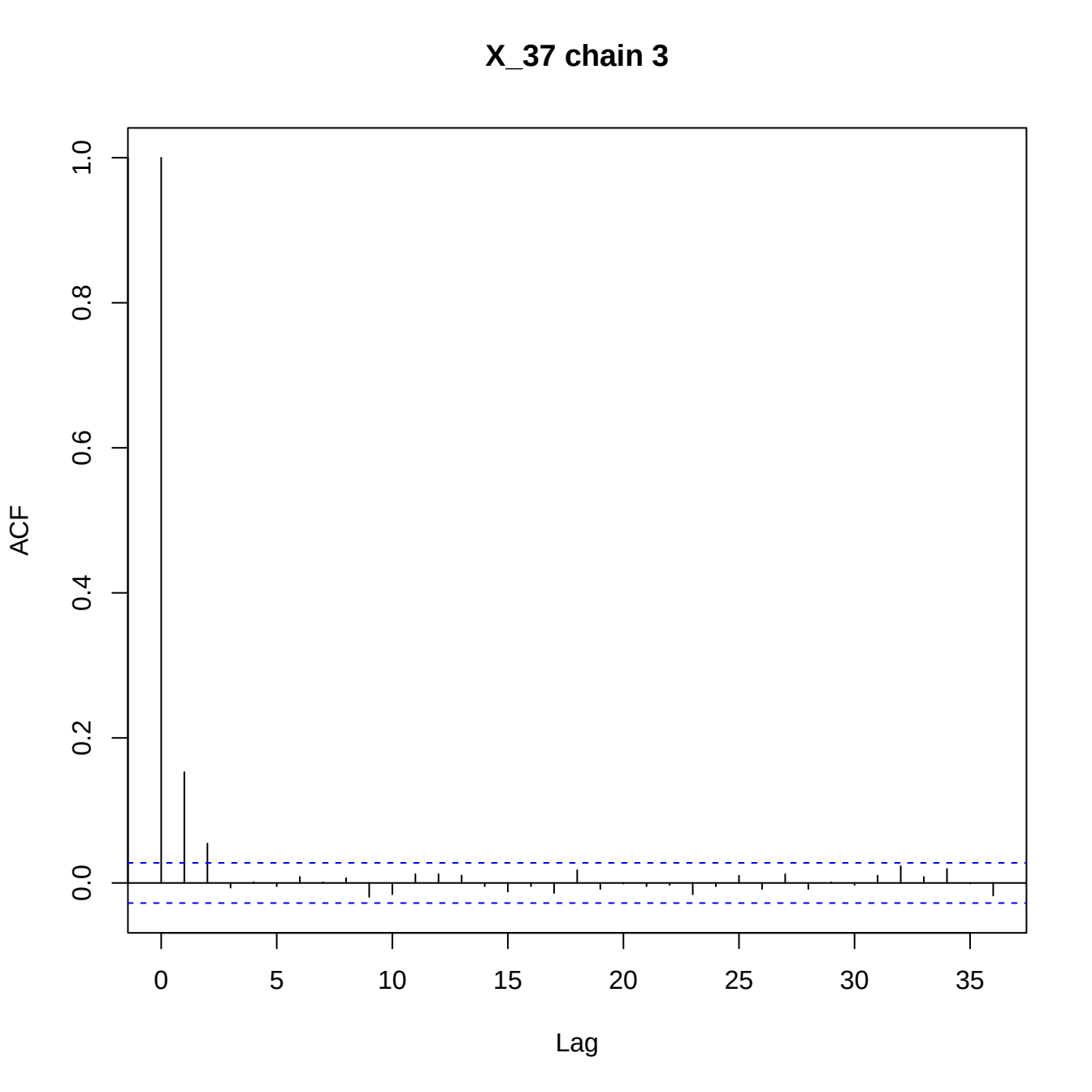
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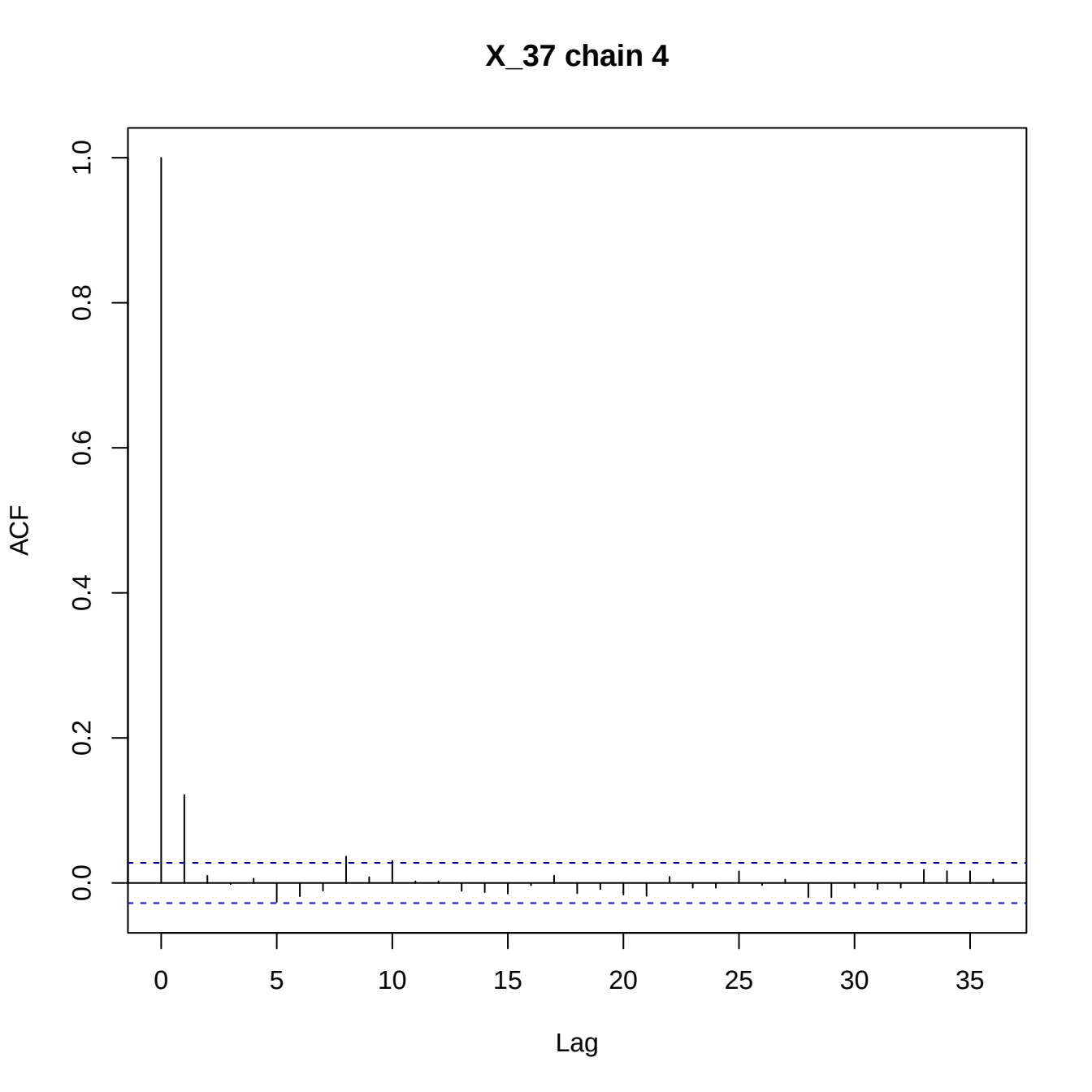
Lag


X_37 chain 4
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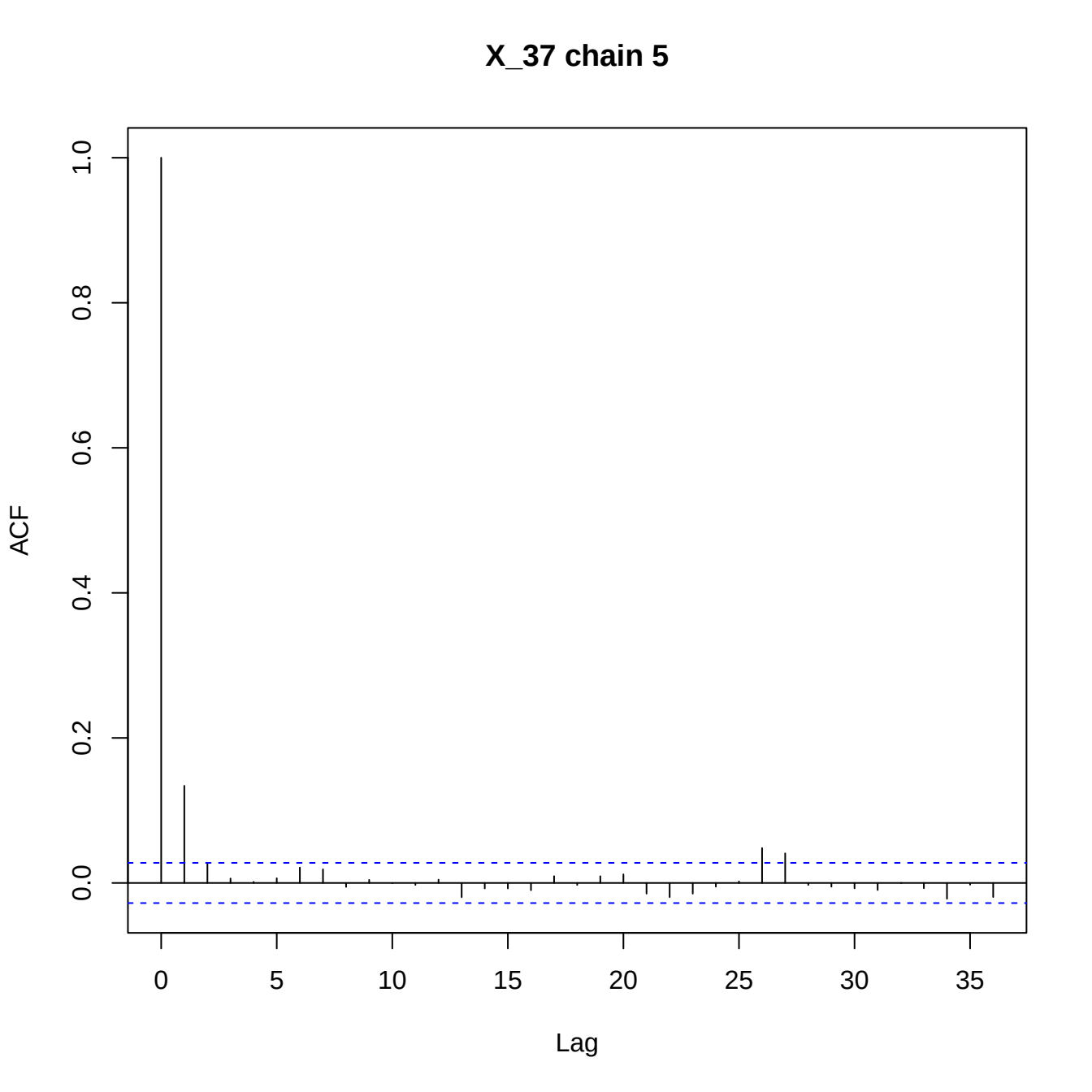
Lag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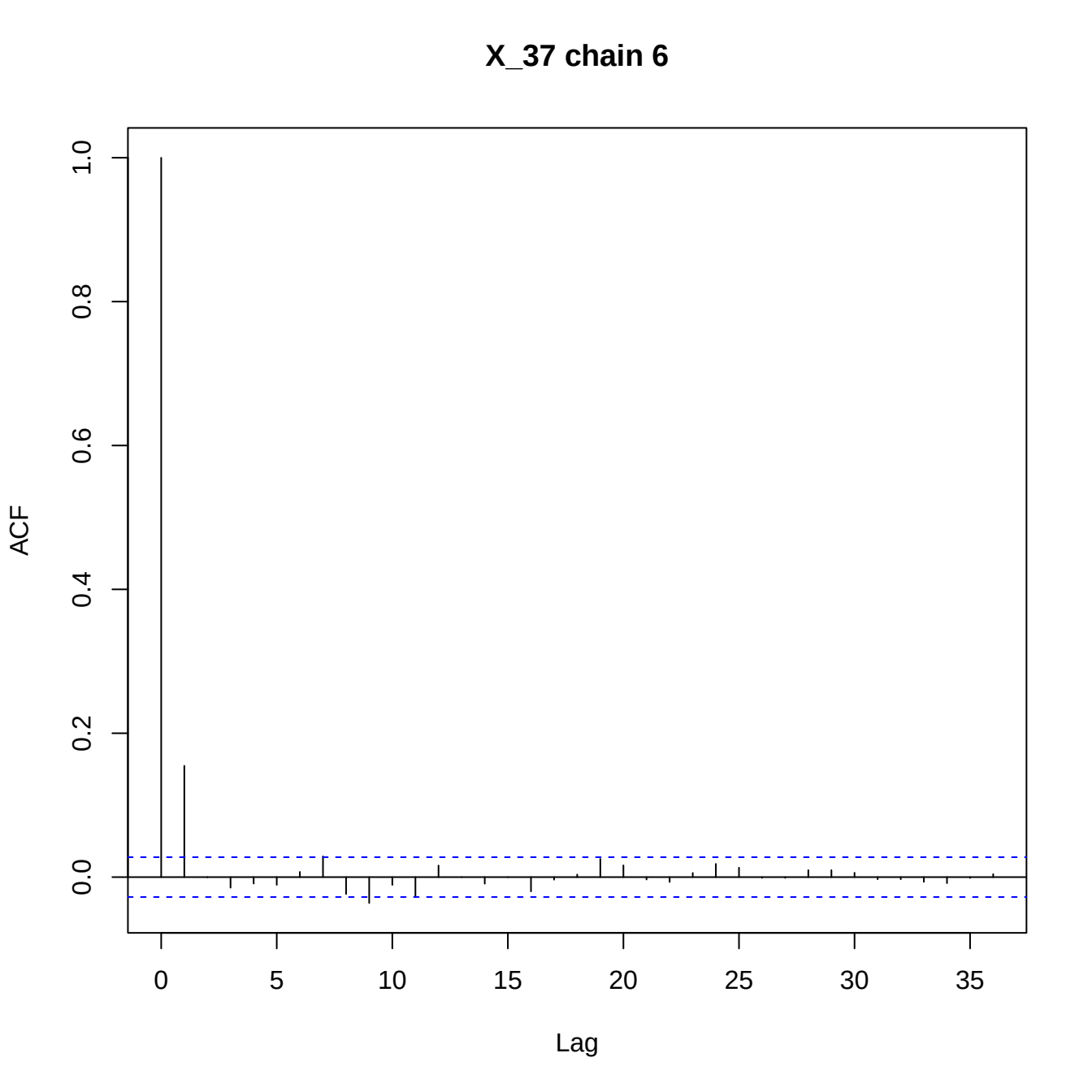
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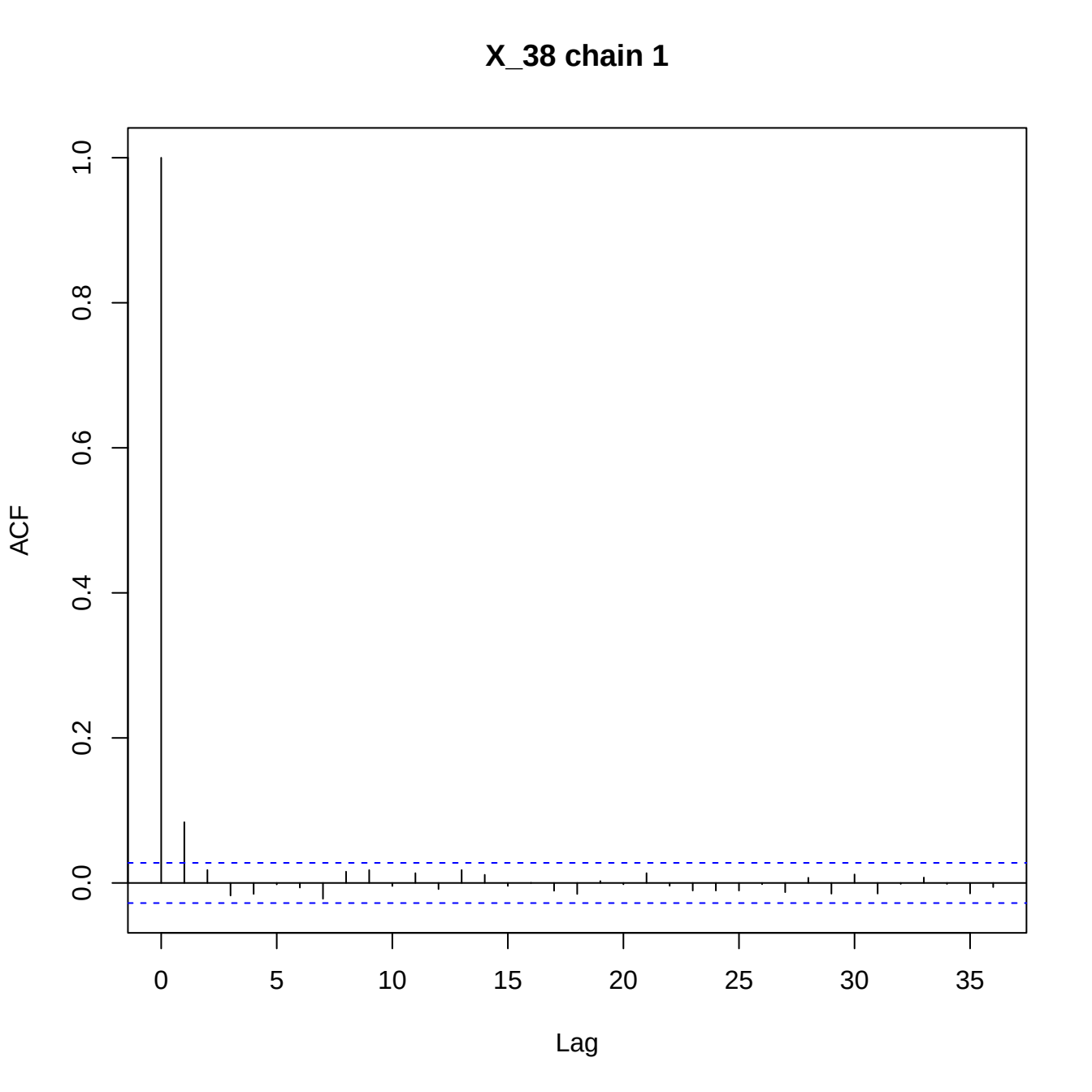
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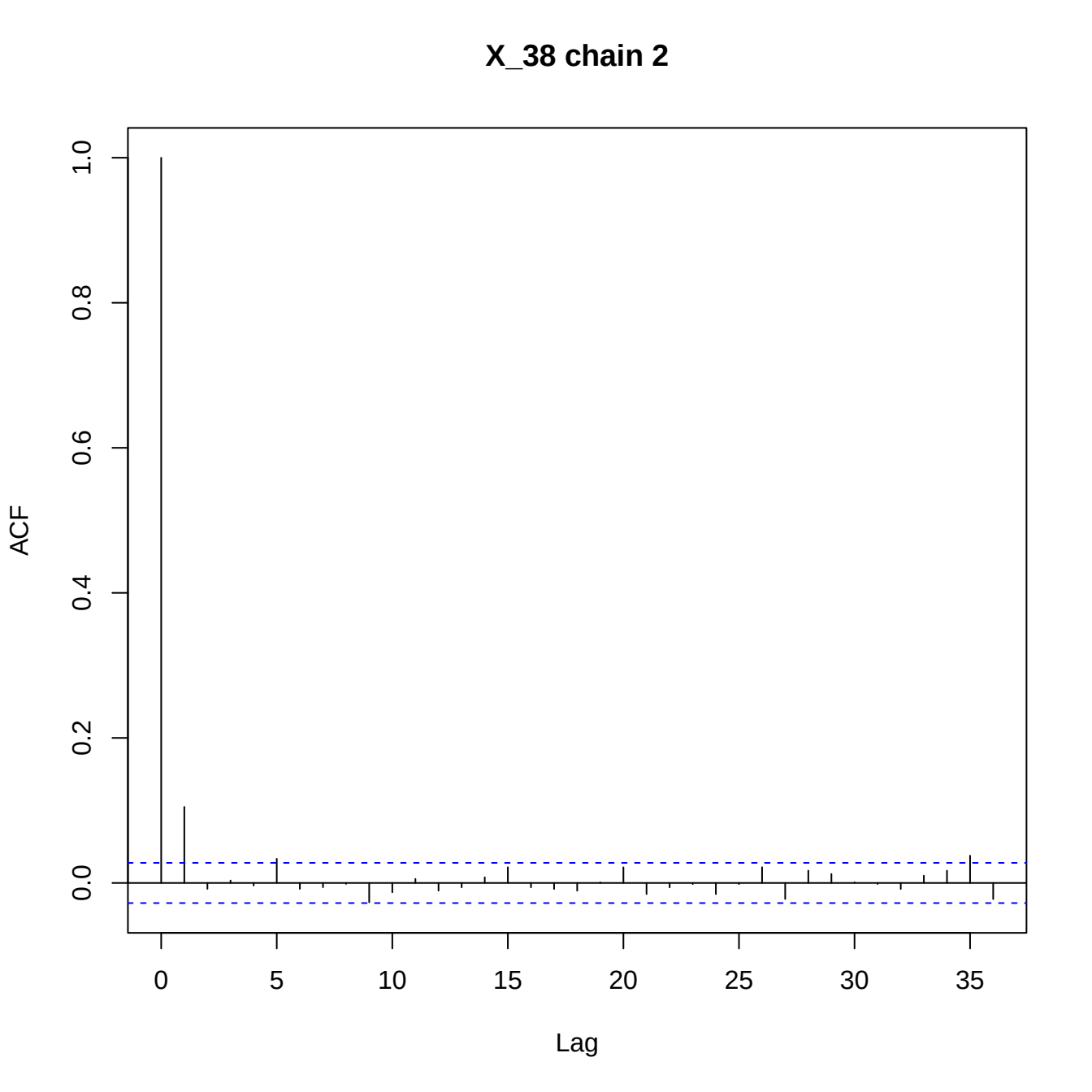
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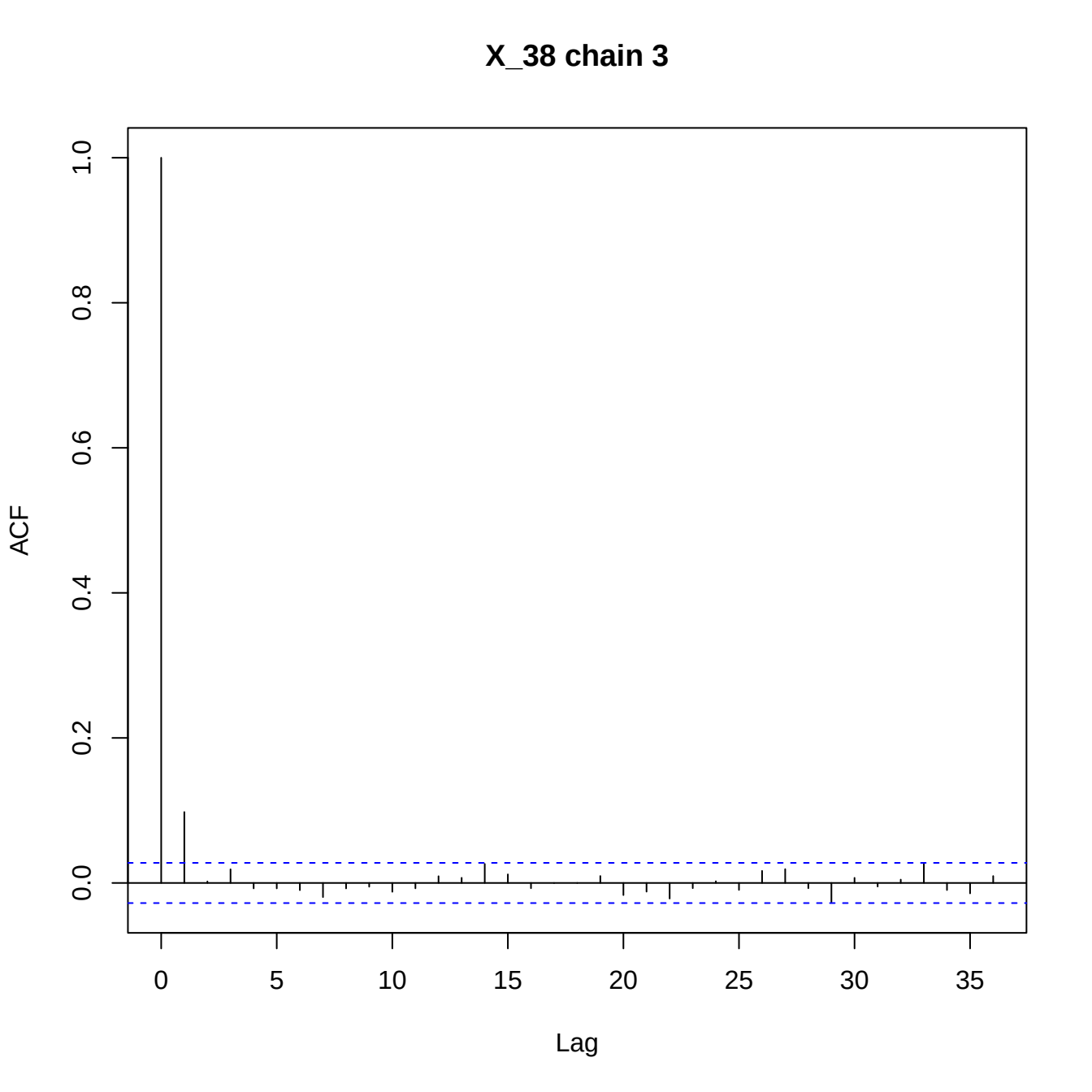
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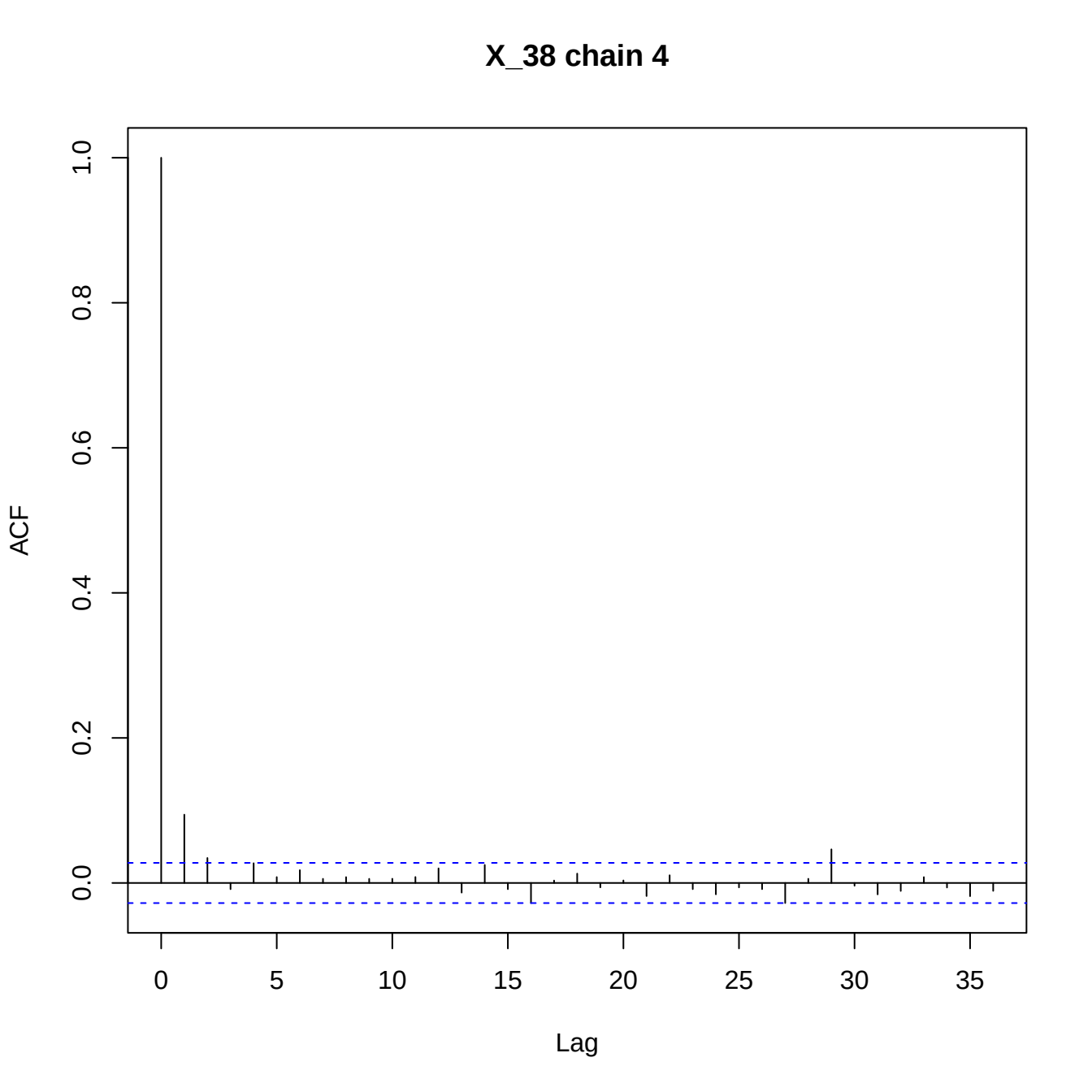
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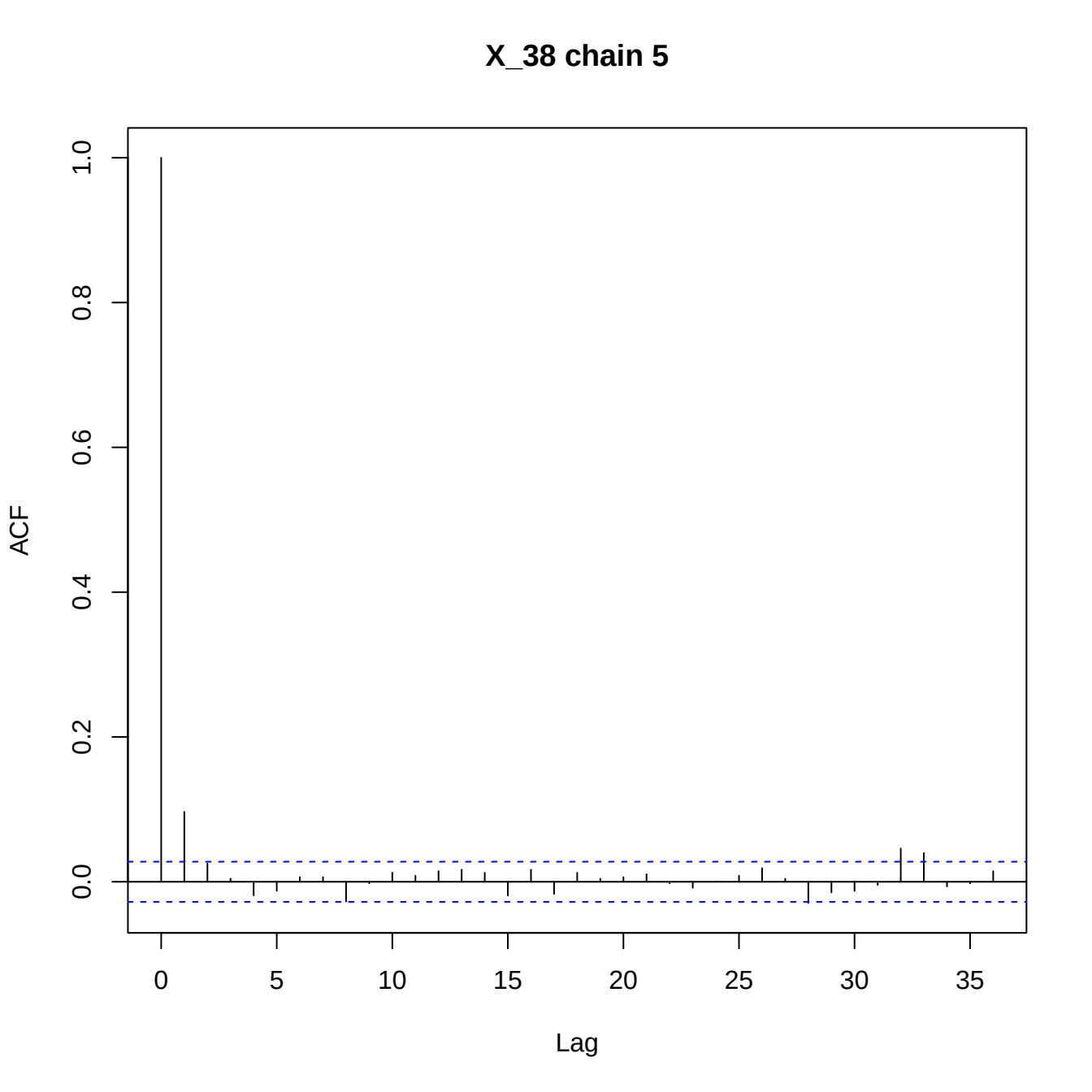
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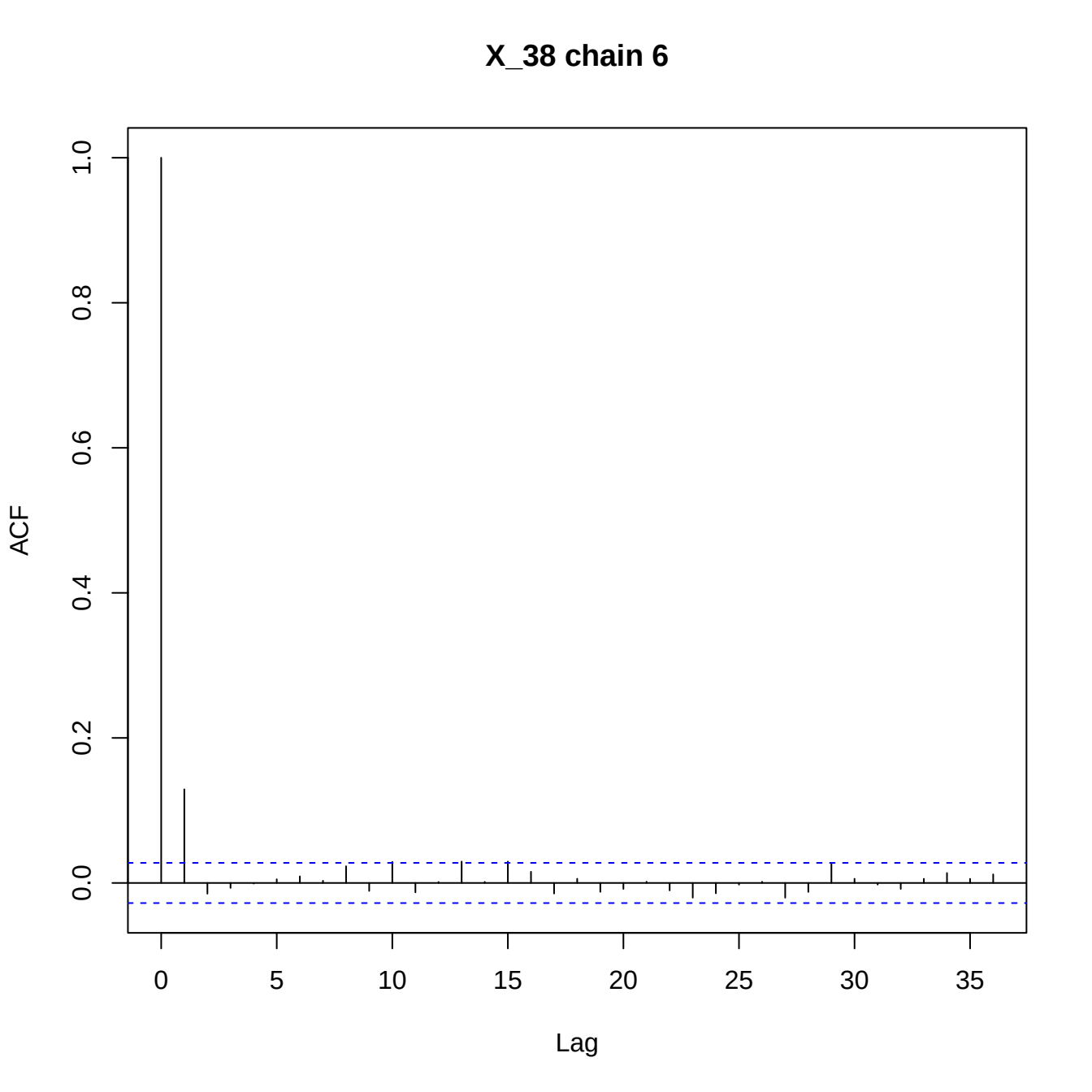
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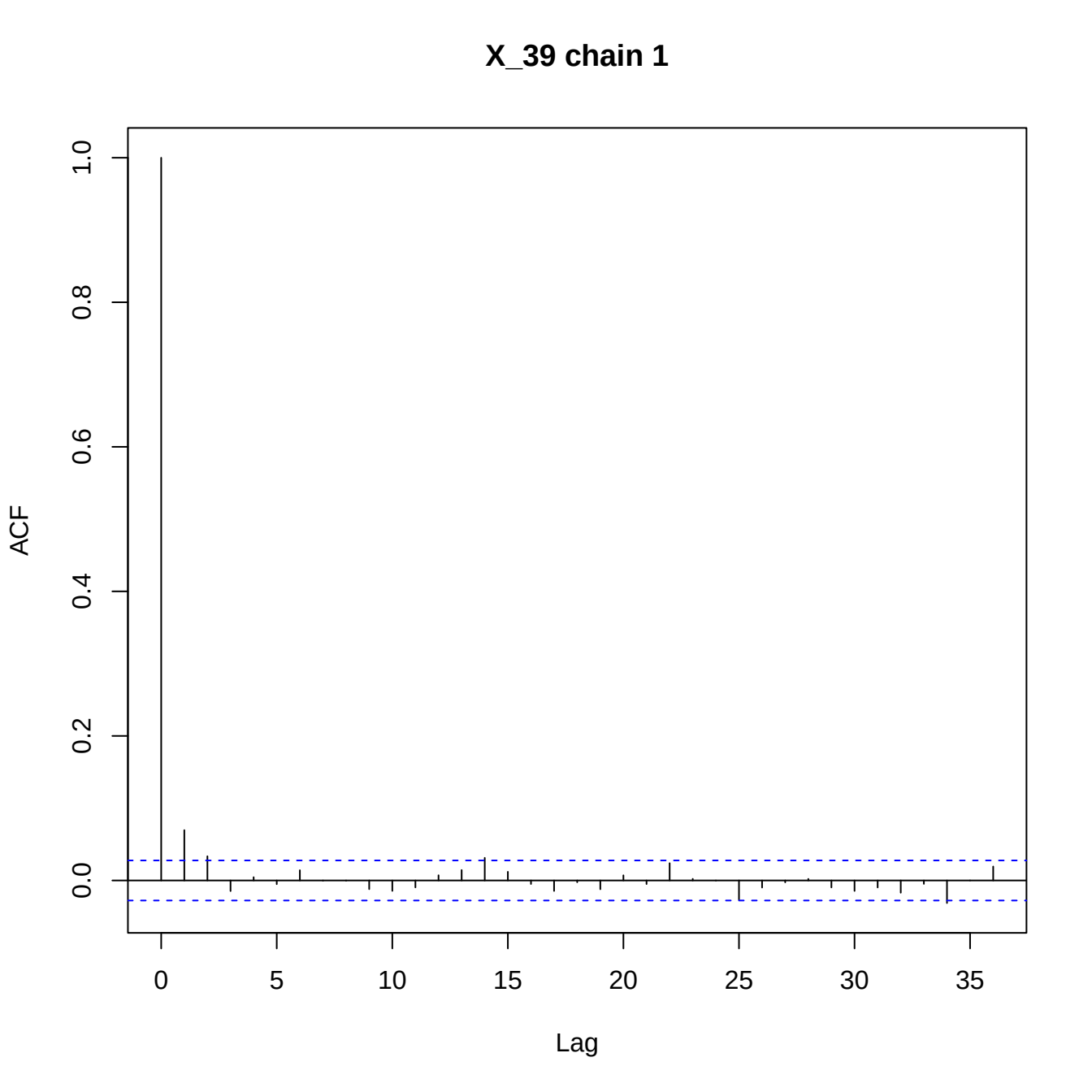
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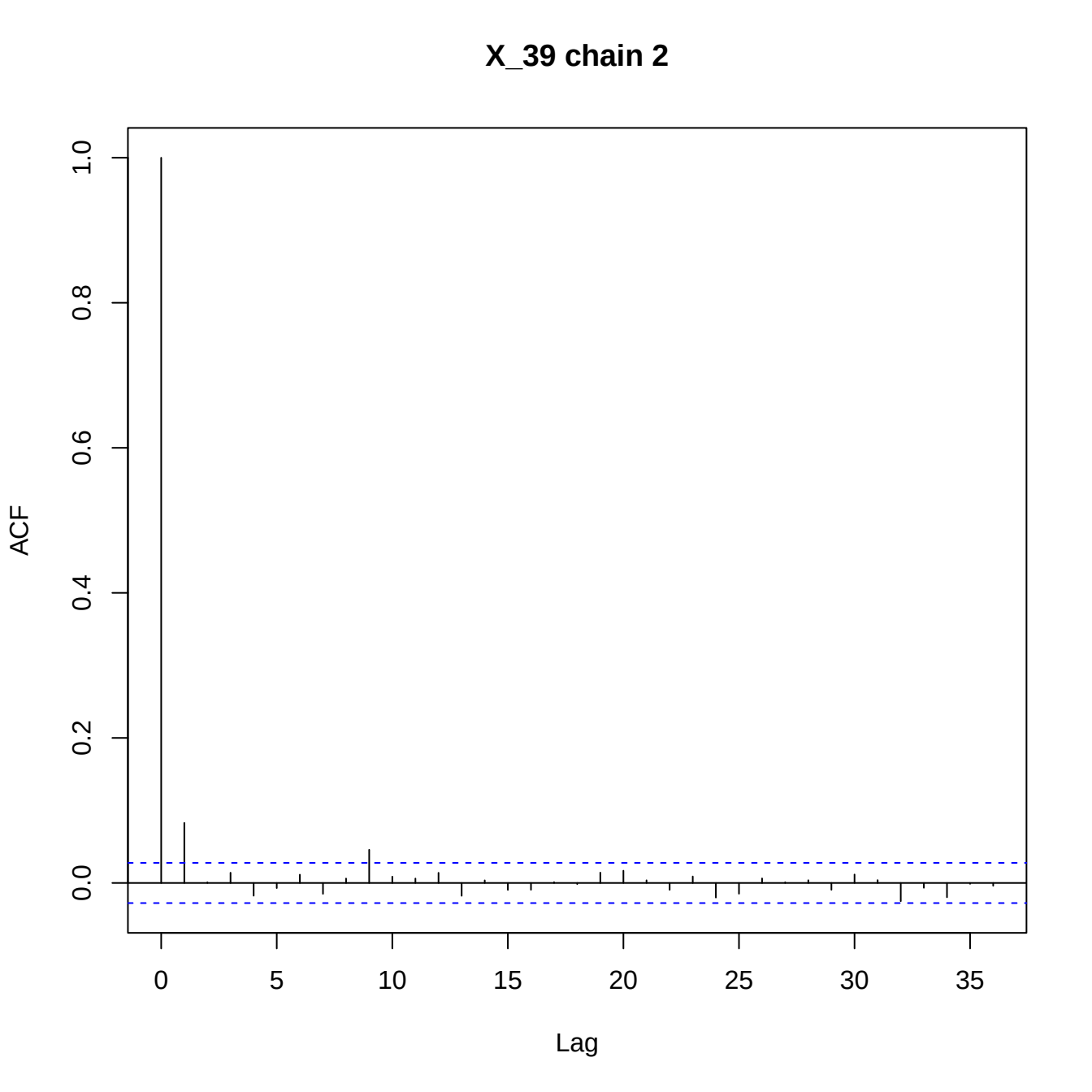
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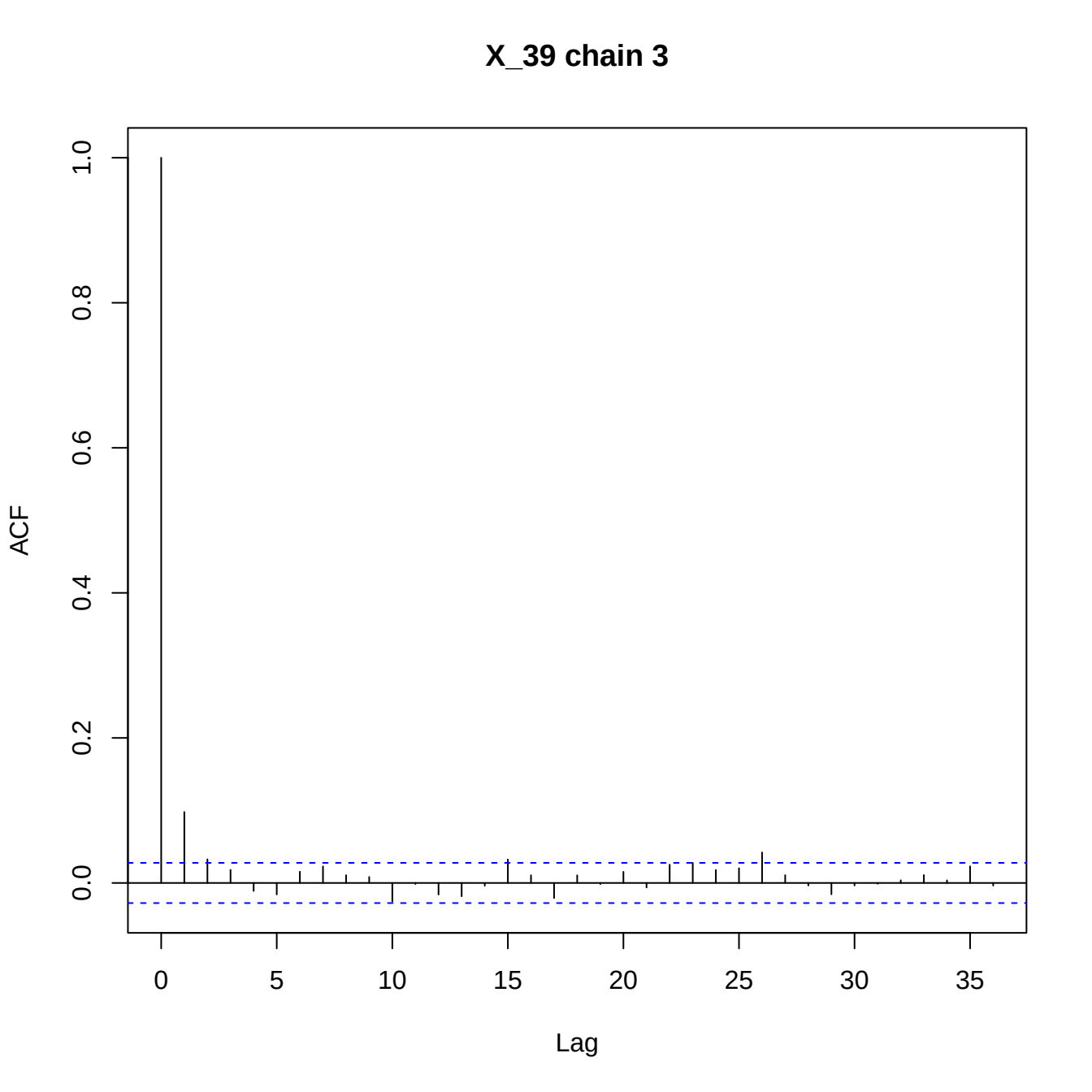
X_39 chain 3
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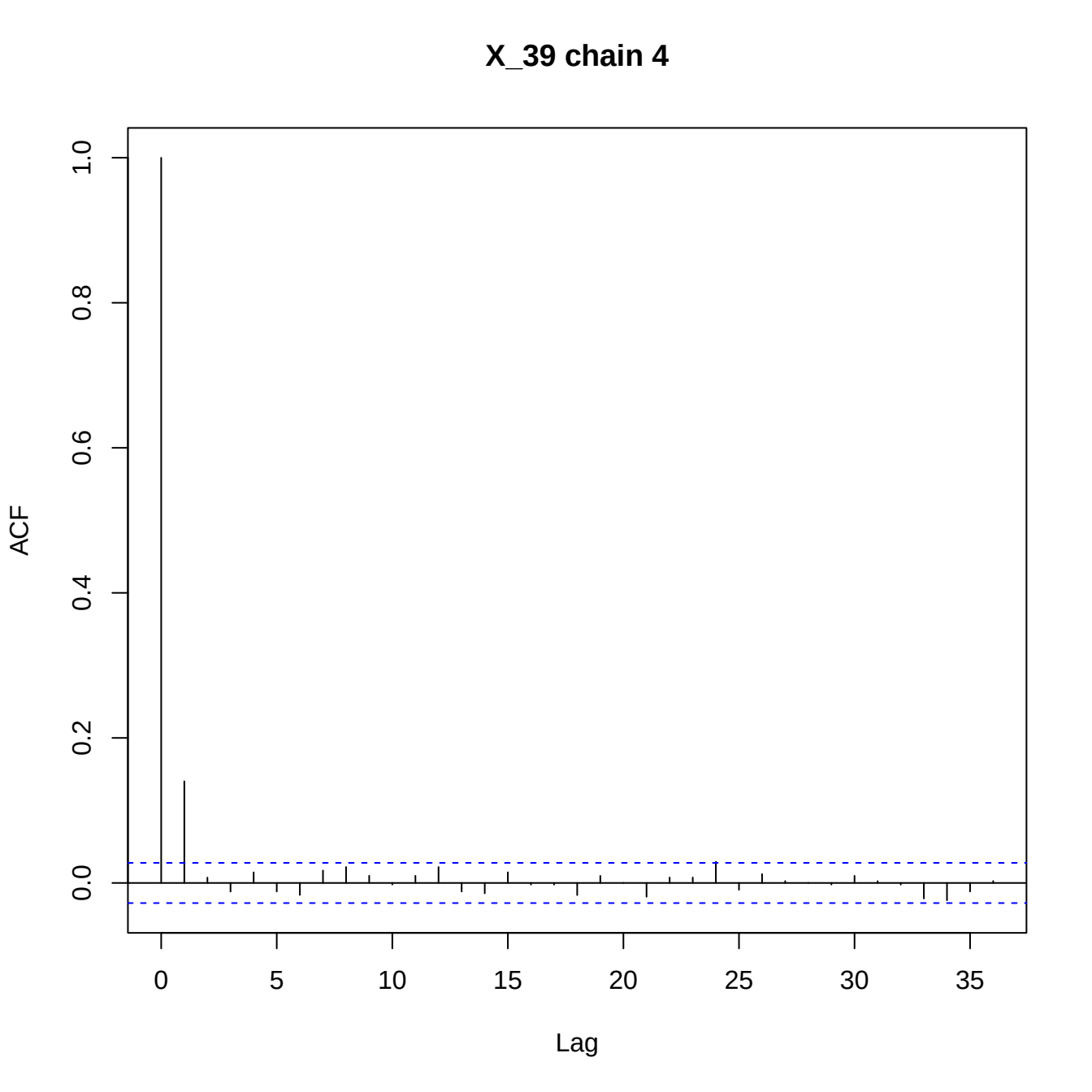
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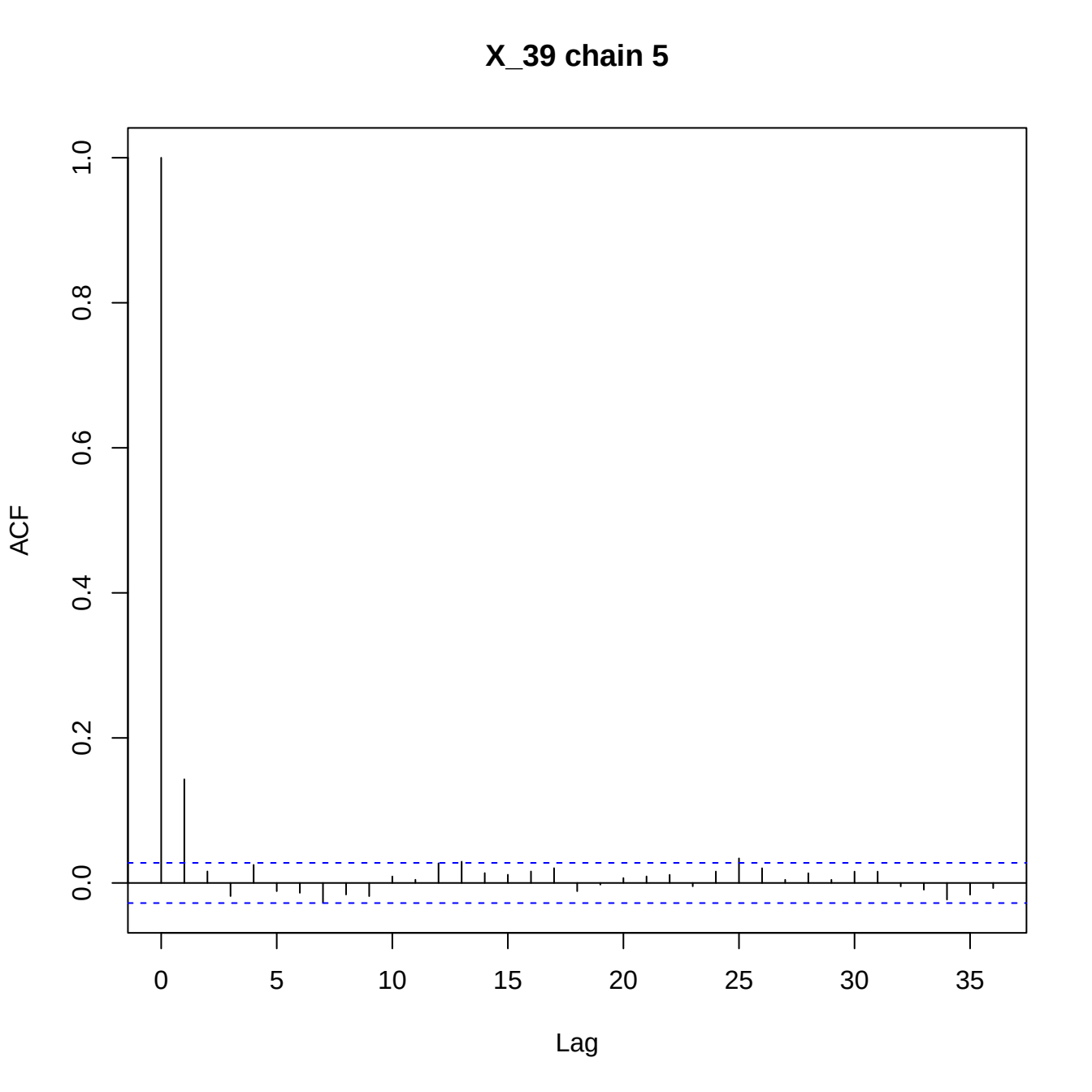
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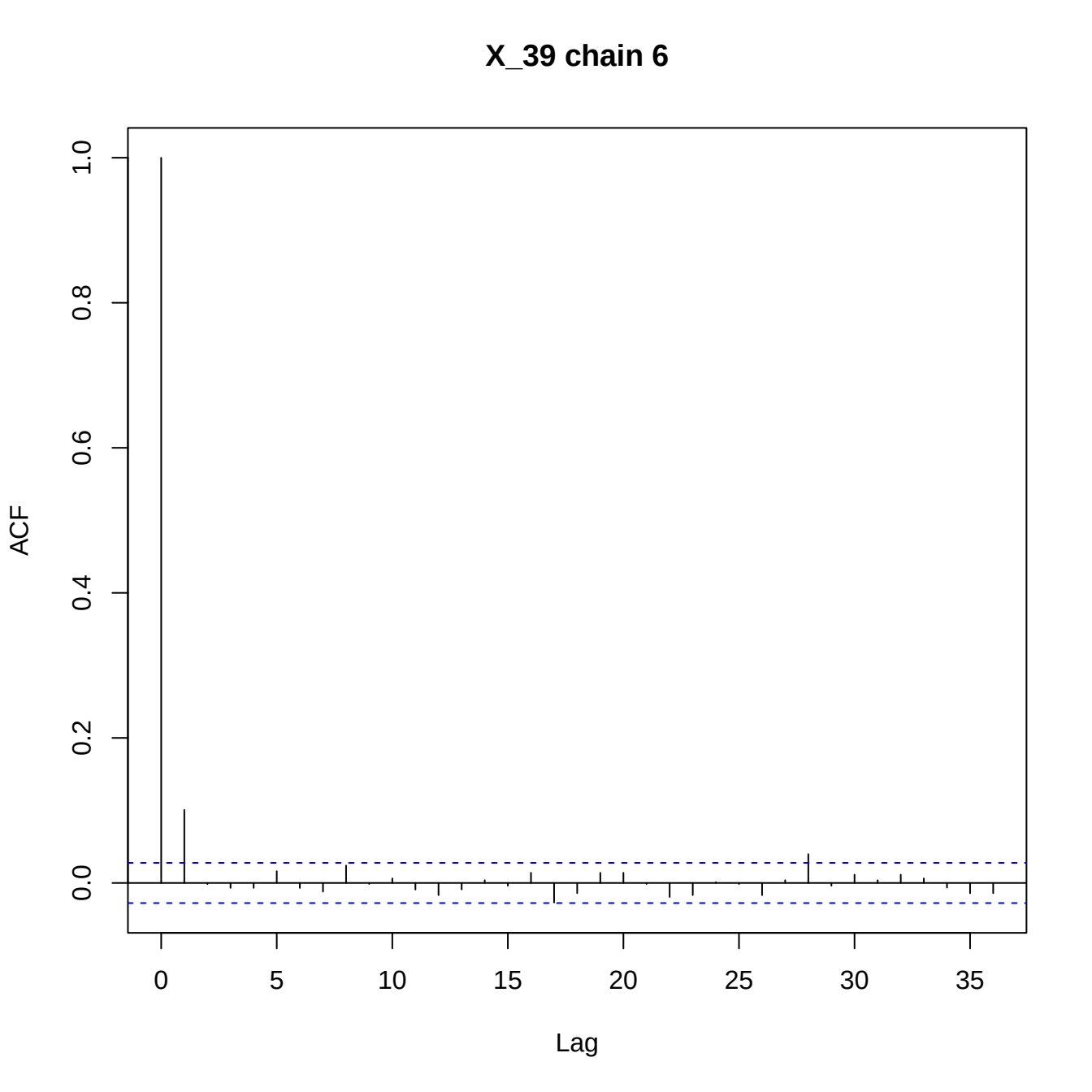
Lag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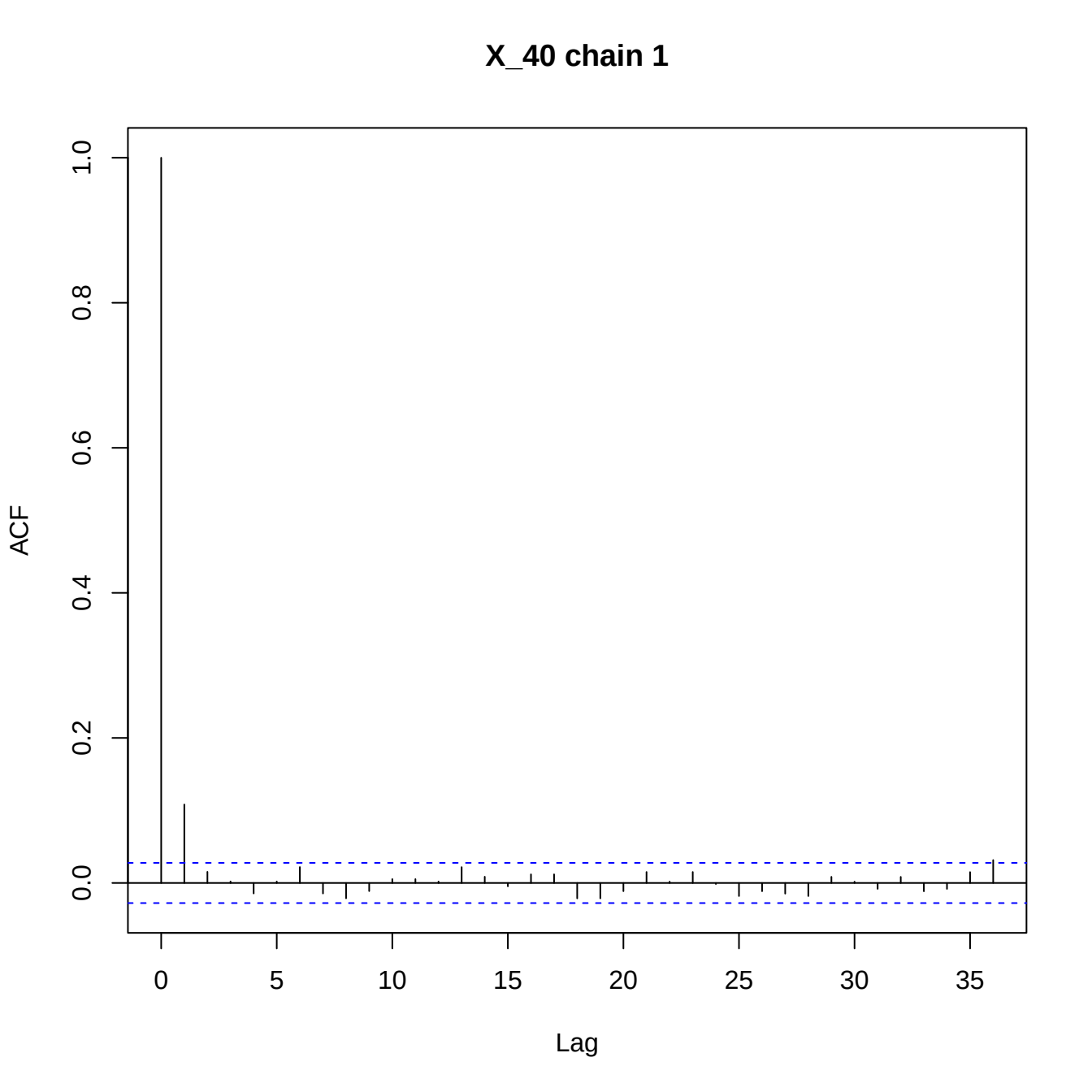
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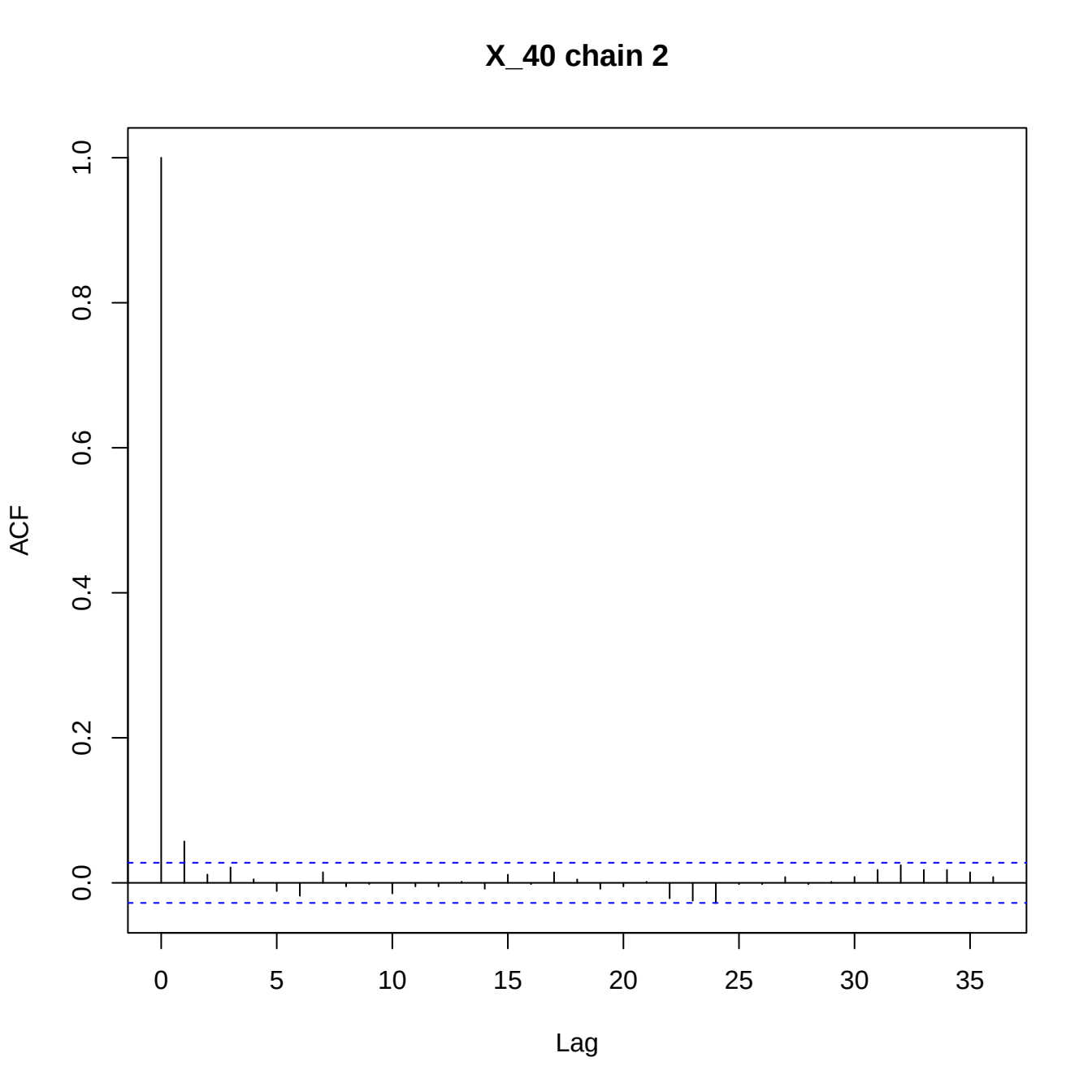
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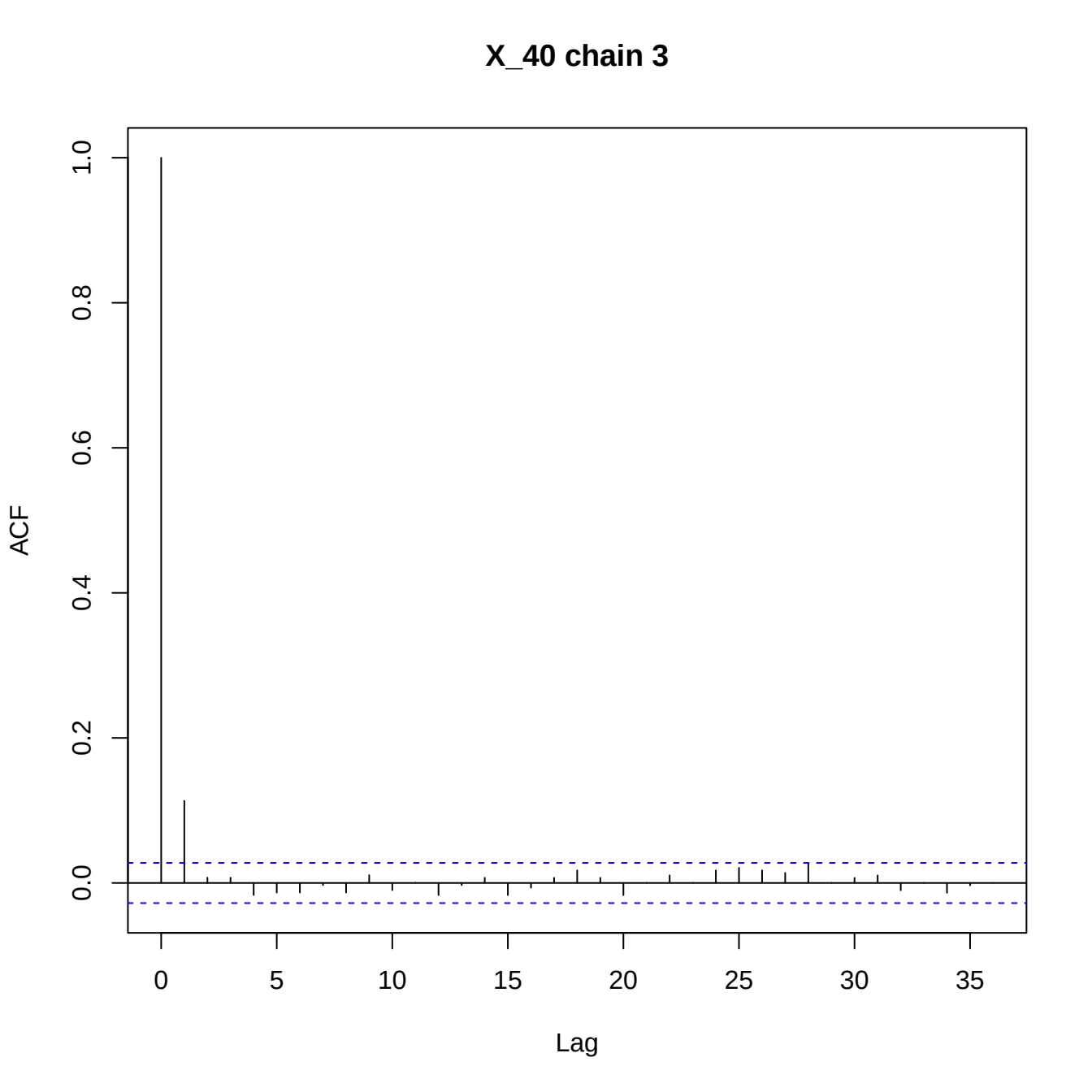
Lag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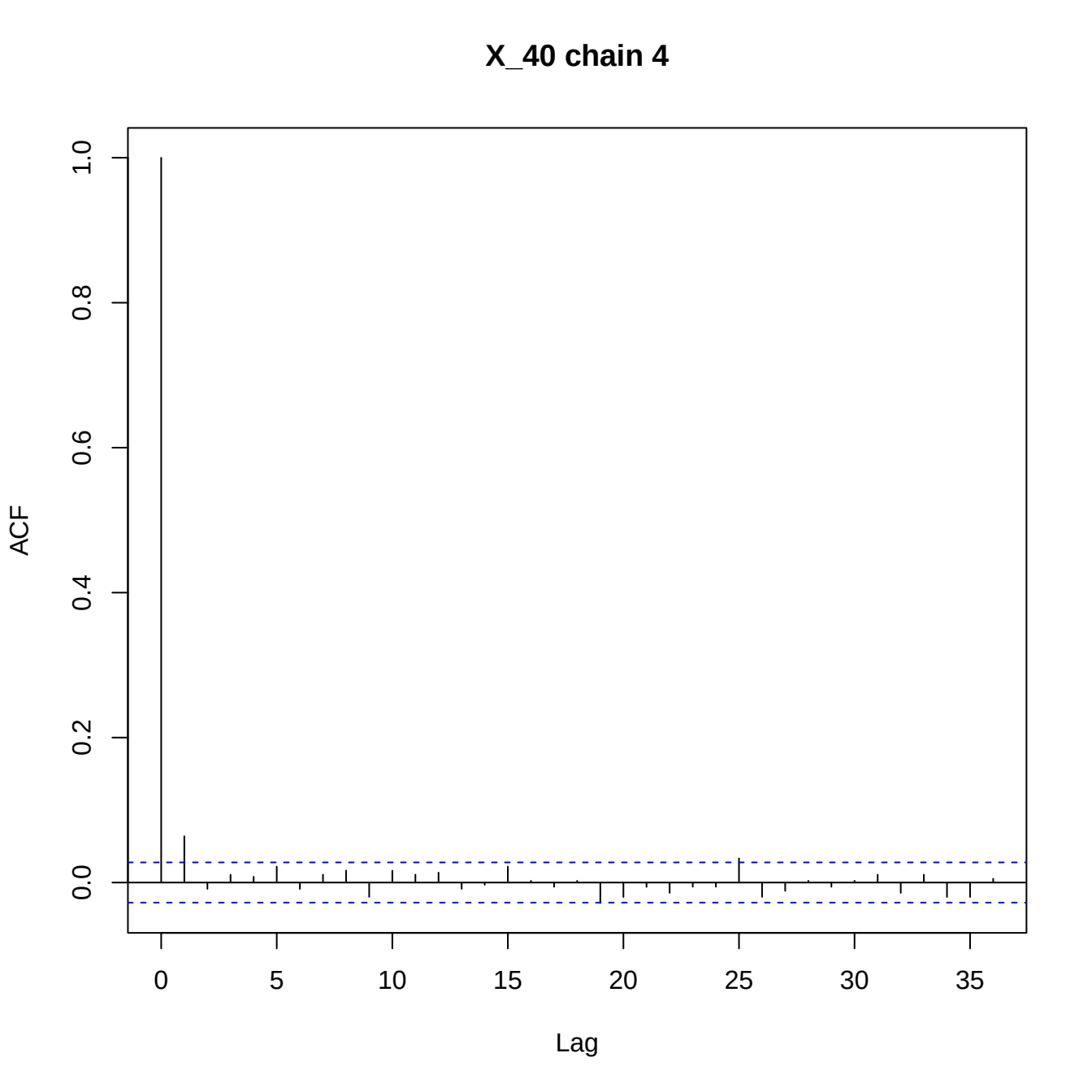
Lag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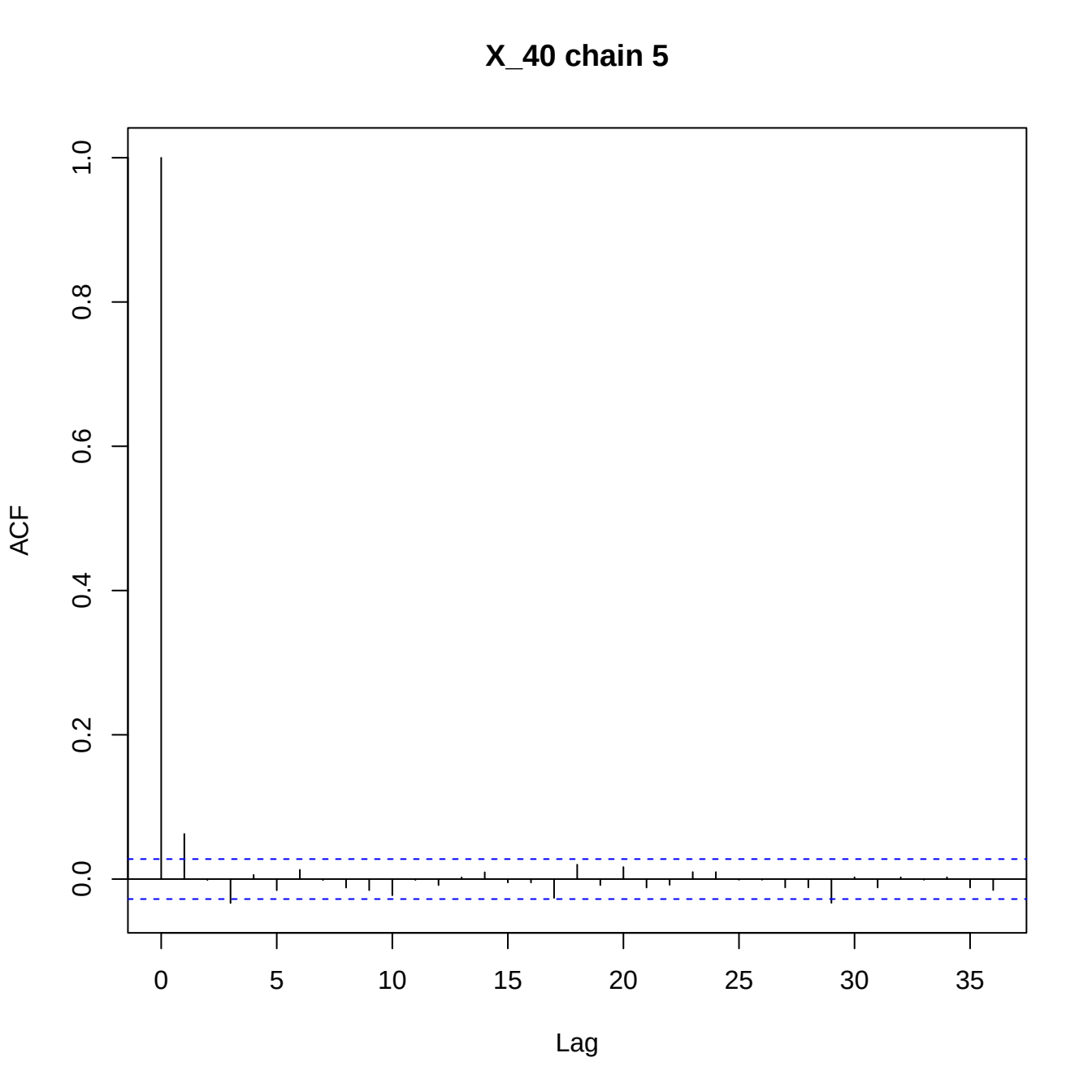
Lag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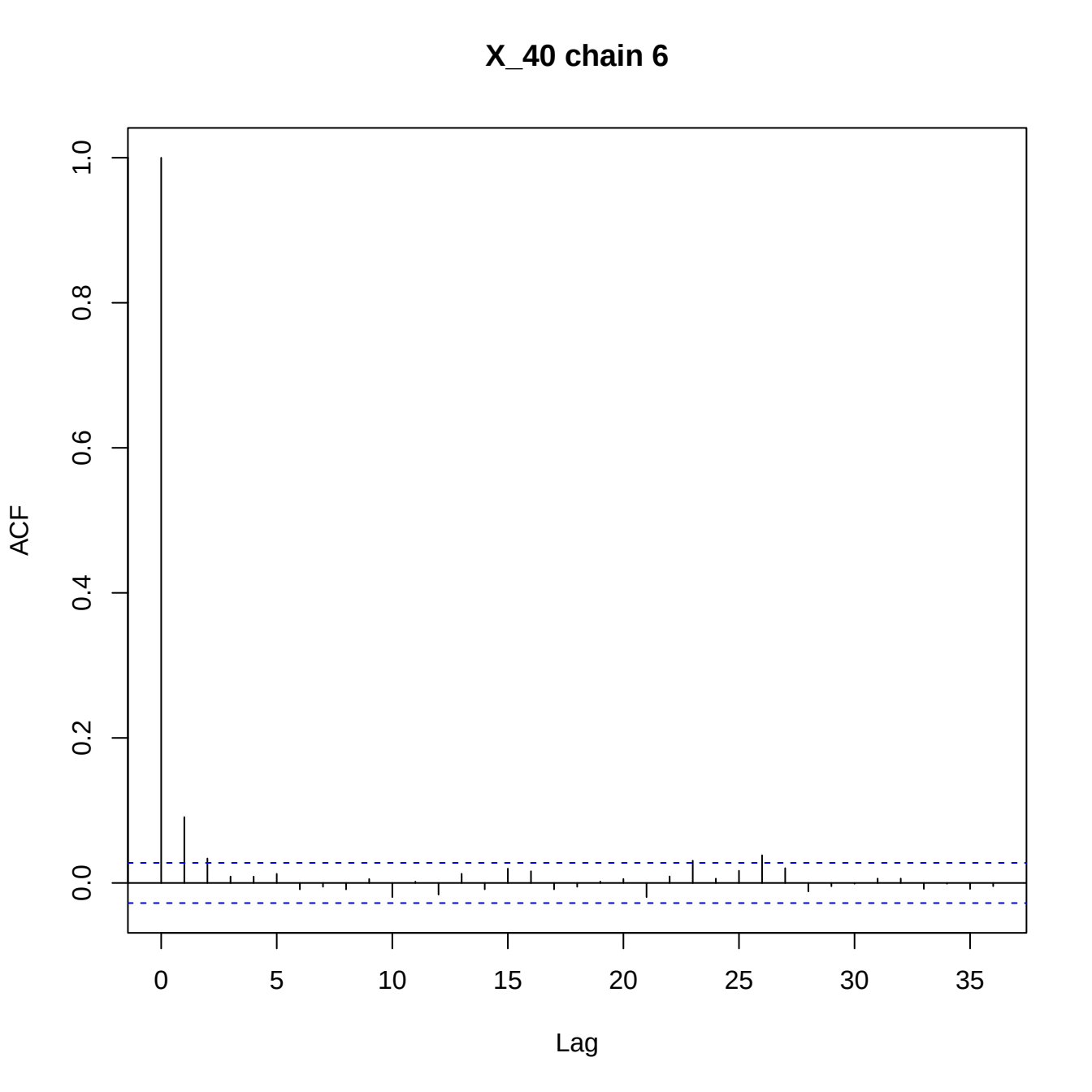
Lag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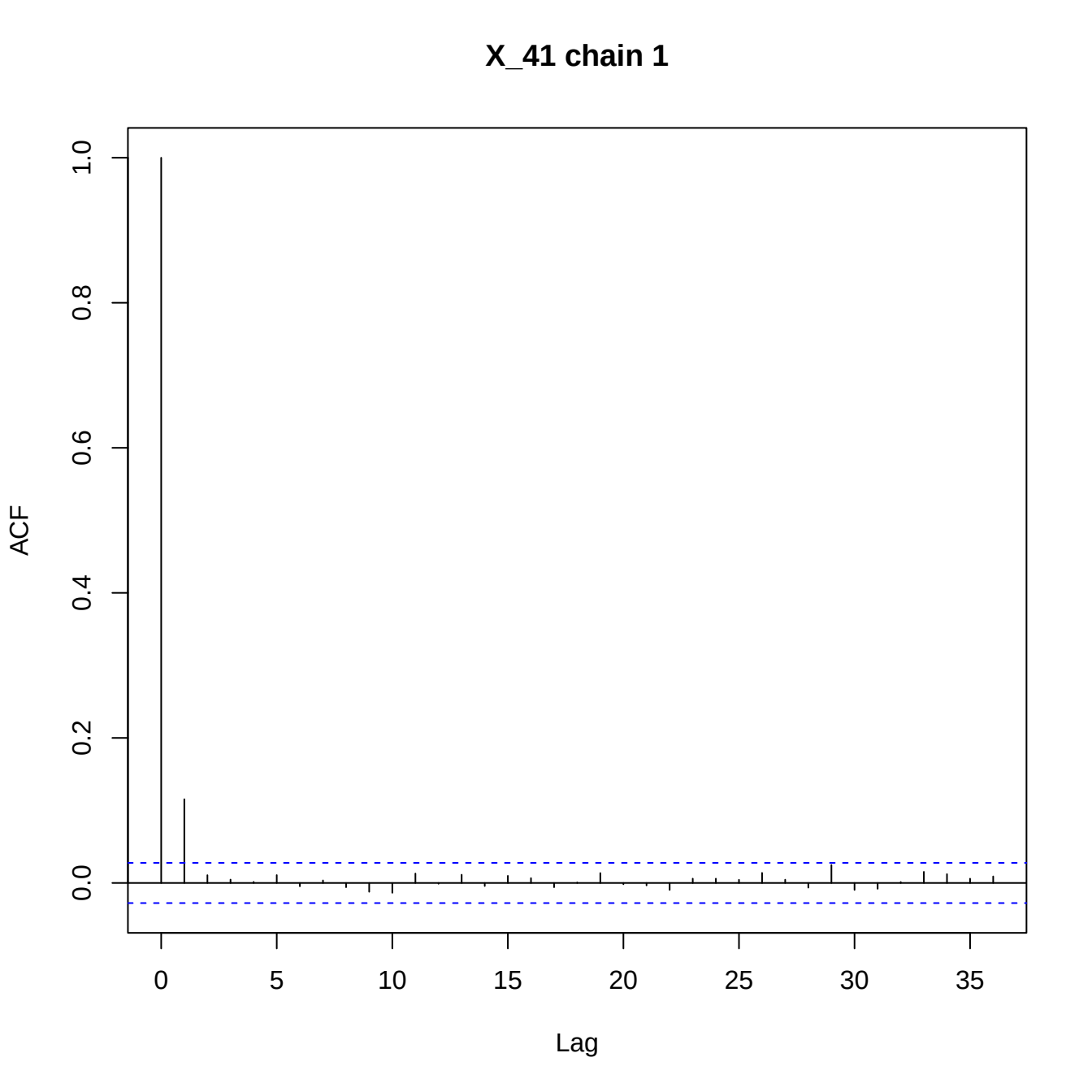
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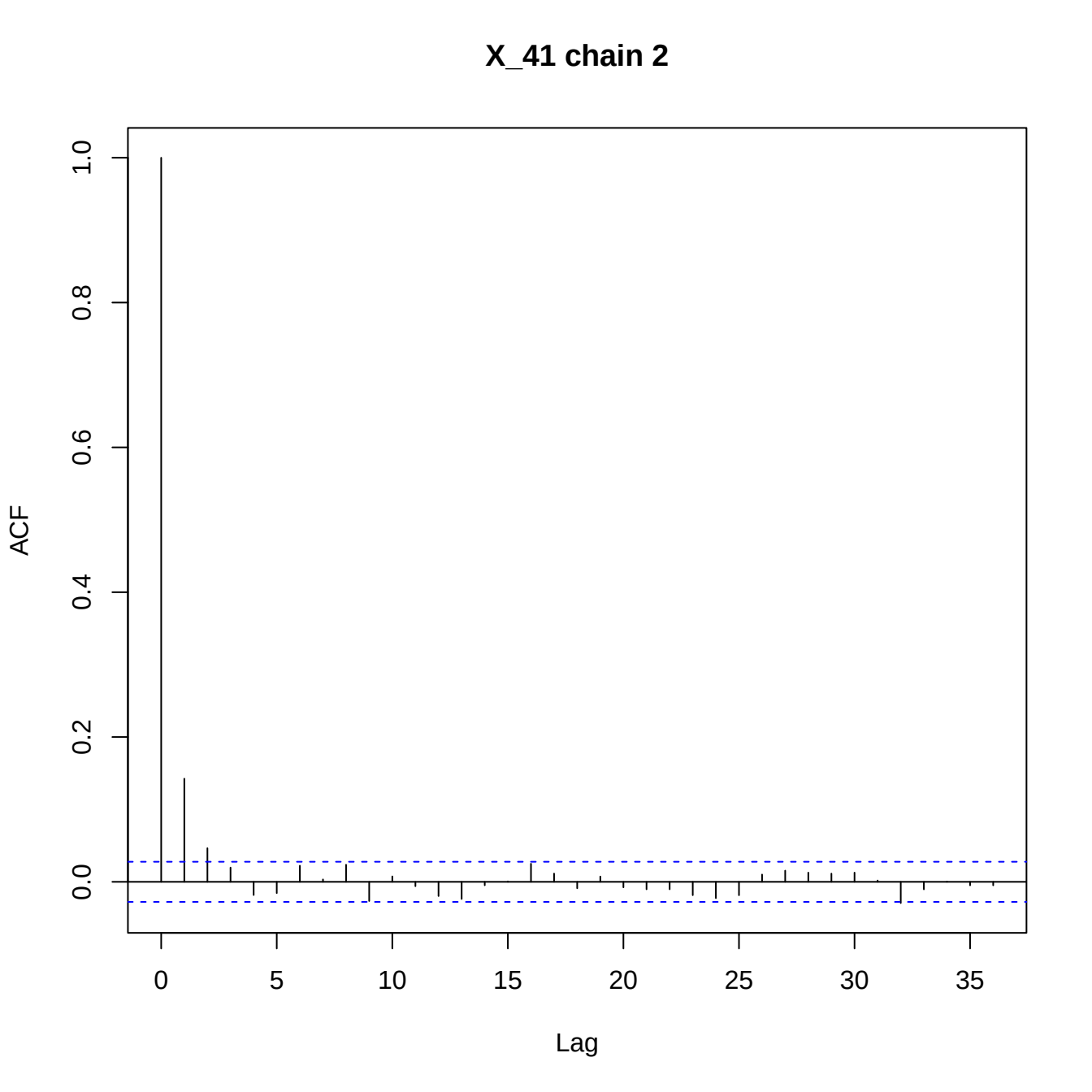
Lag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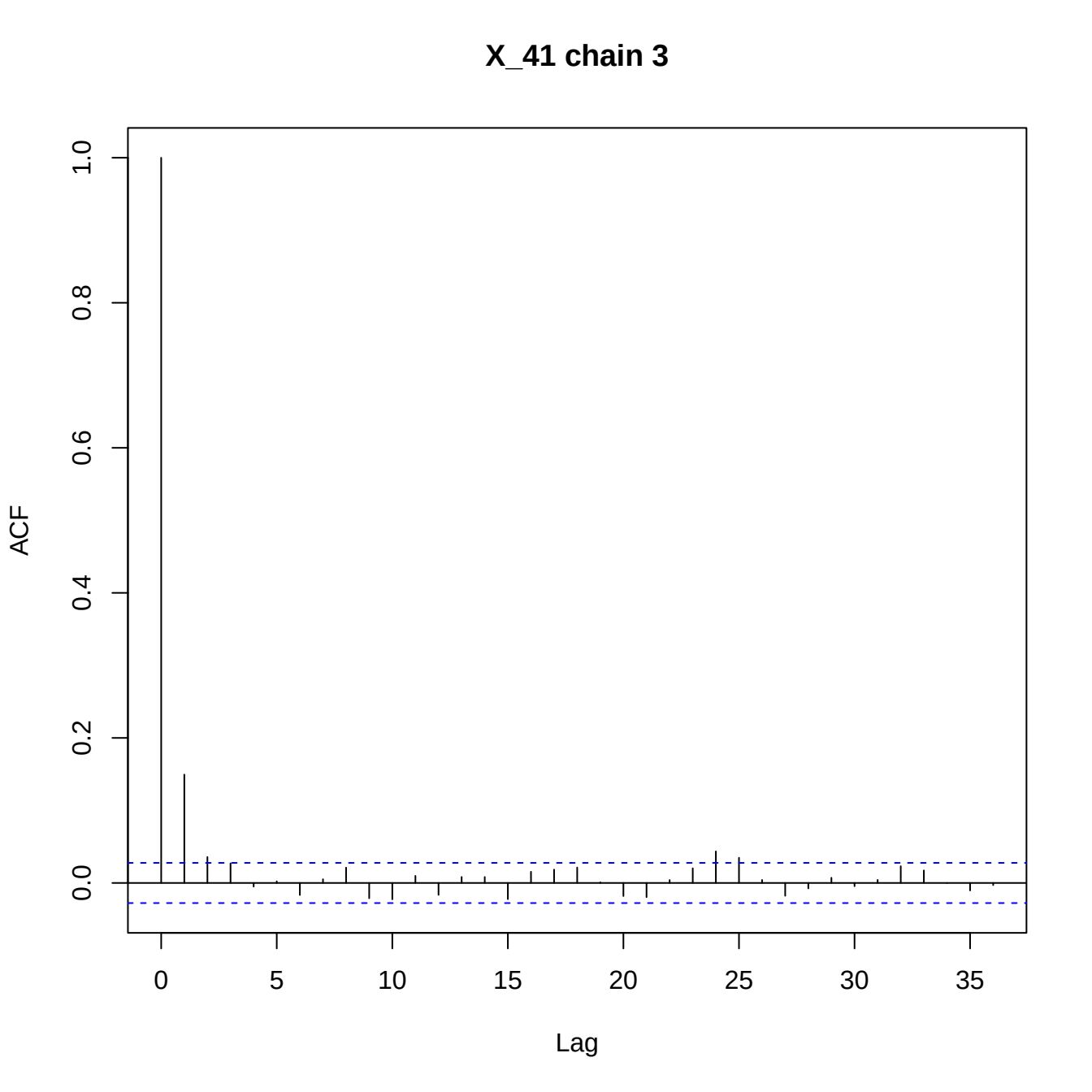
Lag


X_41 chain 3
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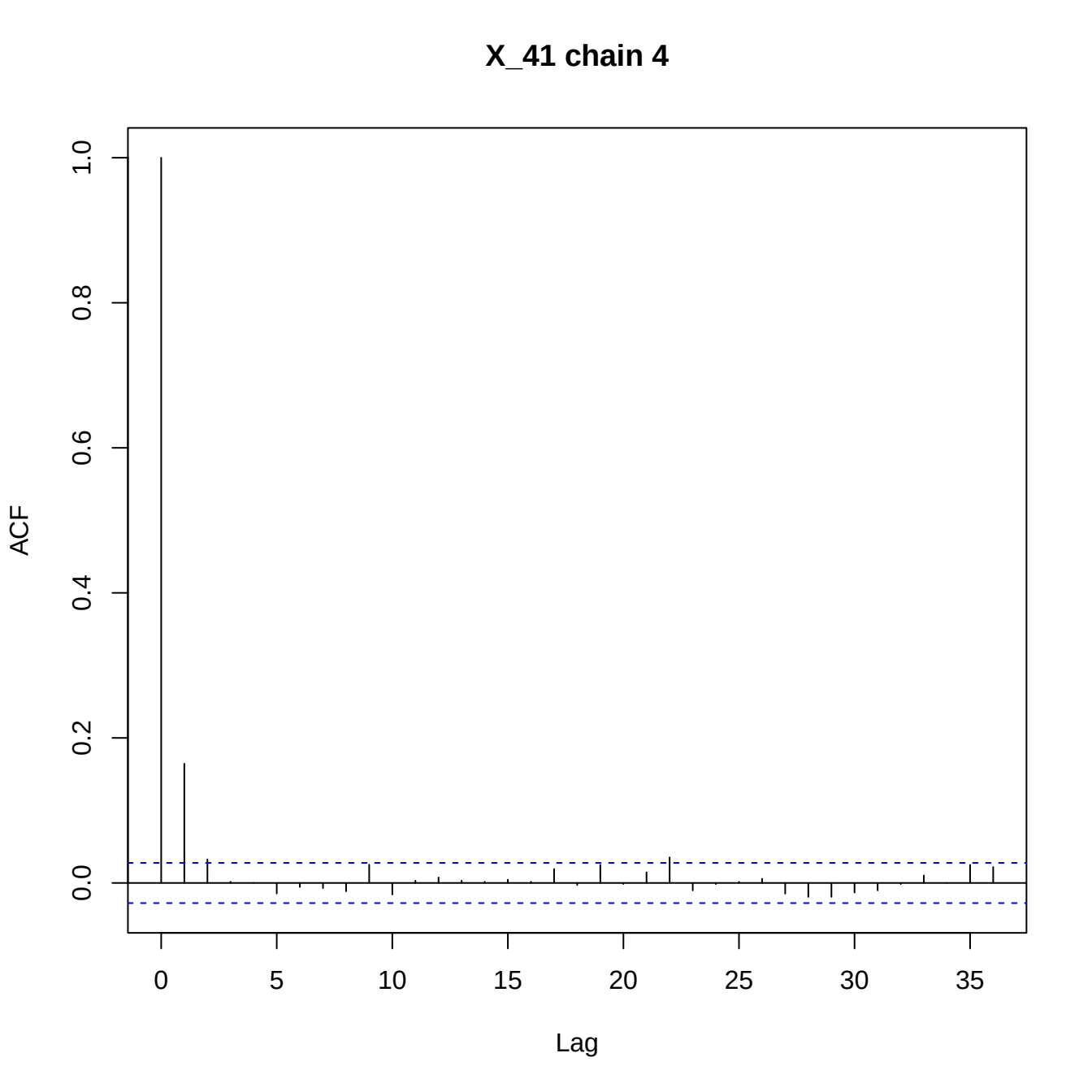
Lag


X_41 chain 4
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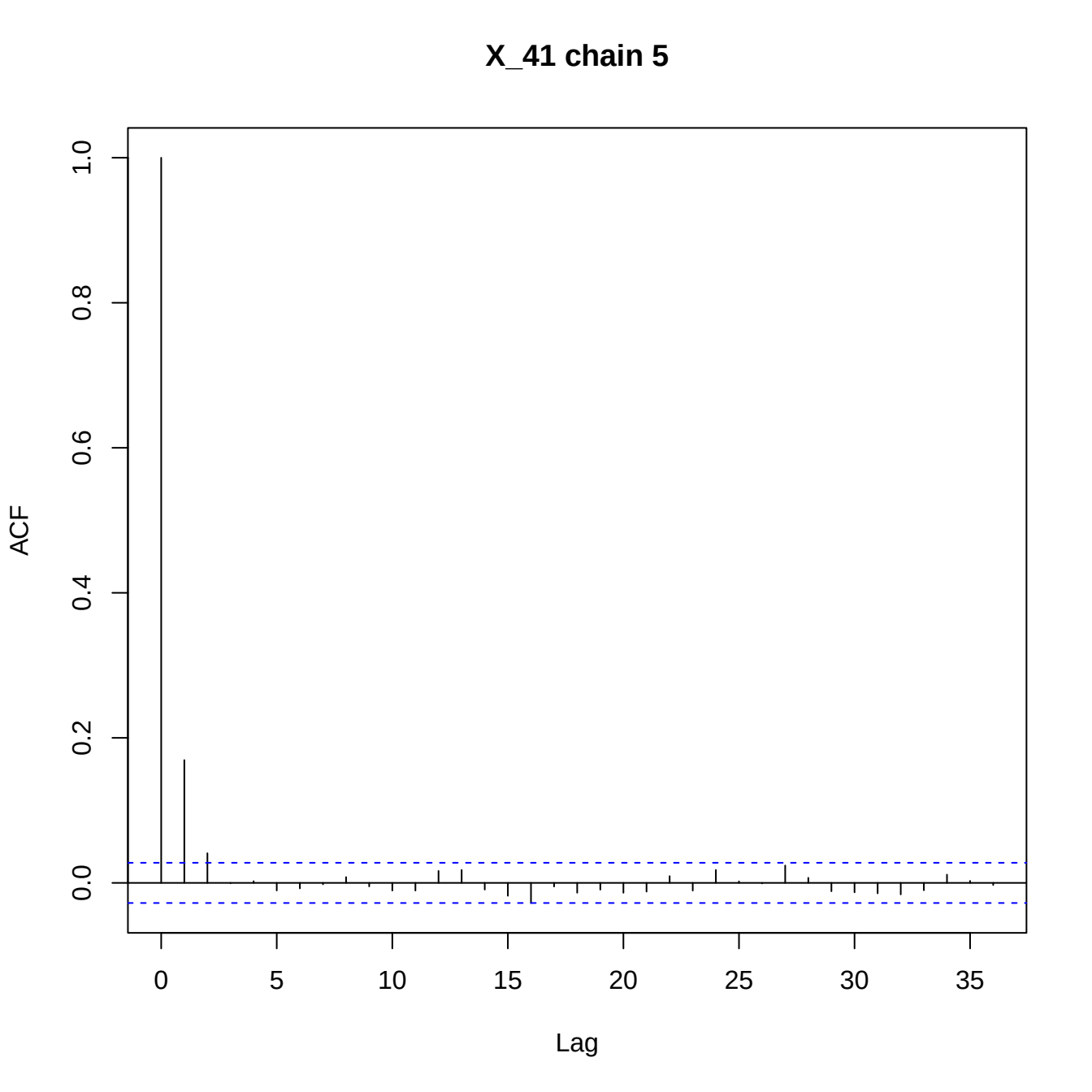
Lag


X_41 chain 5
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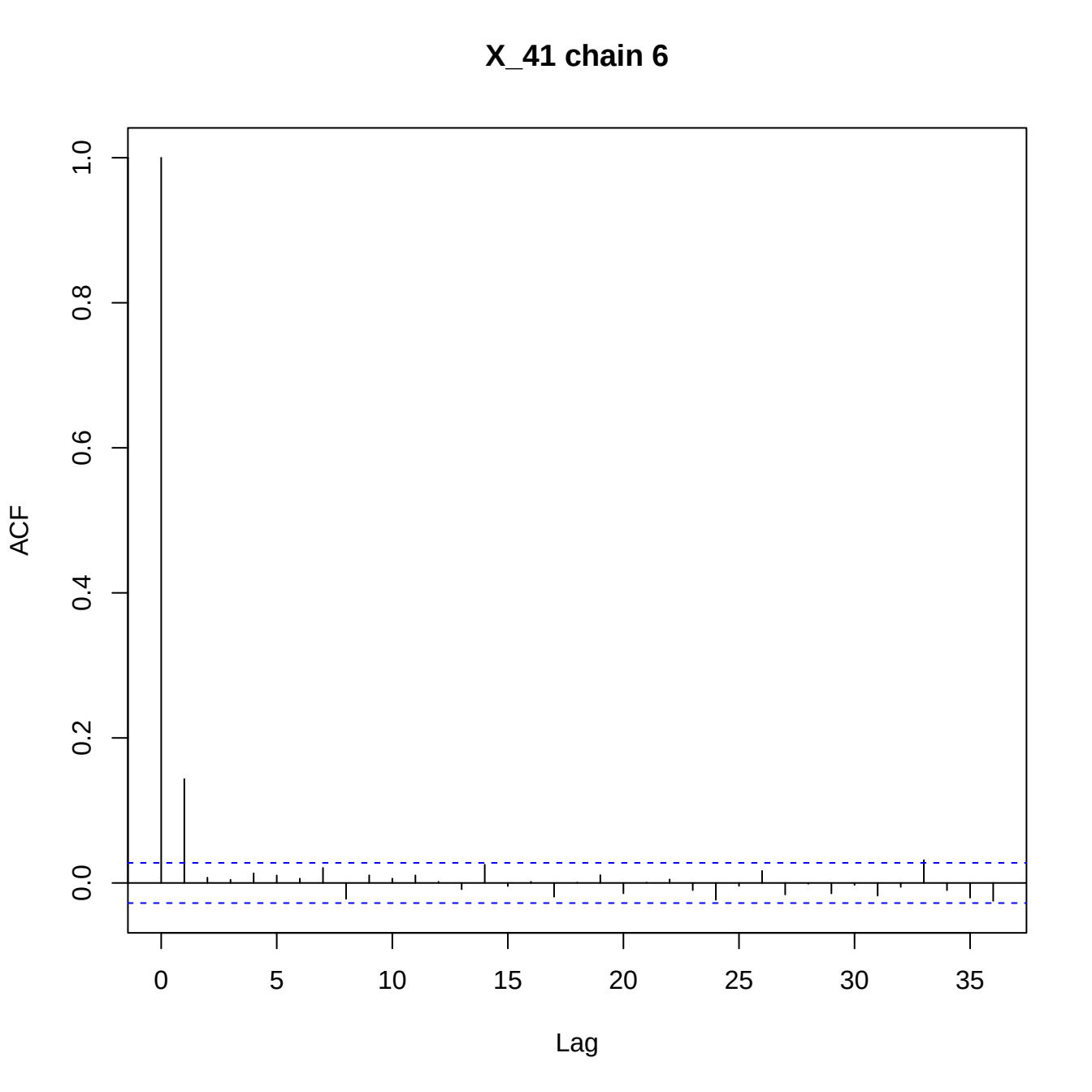
Lag


X_41 chain 6
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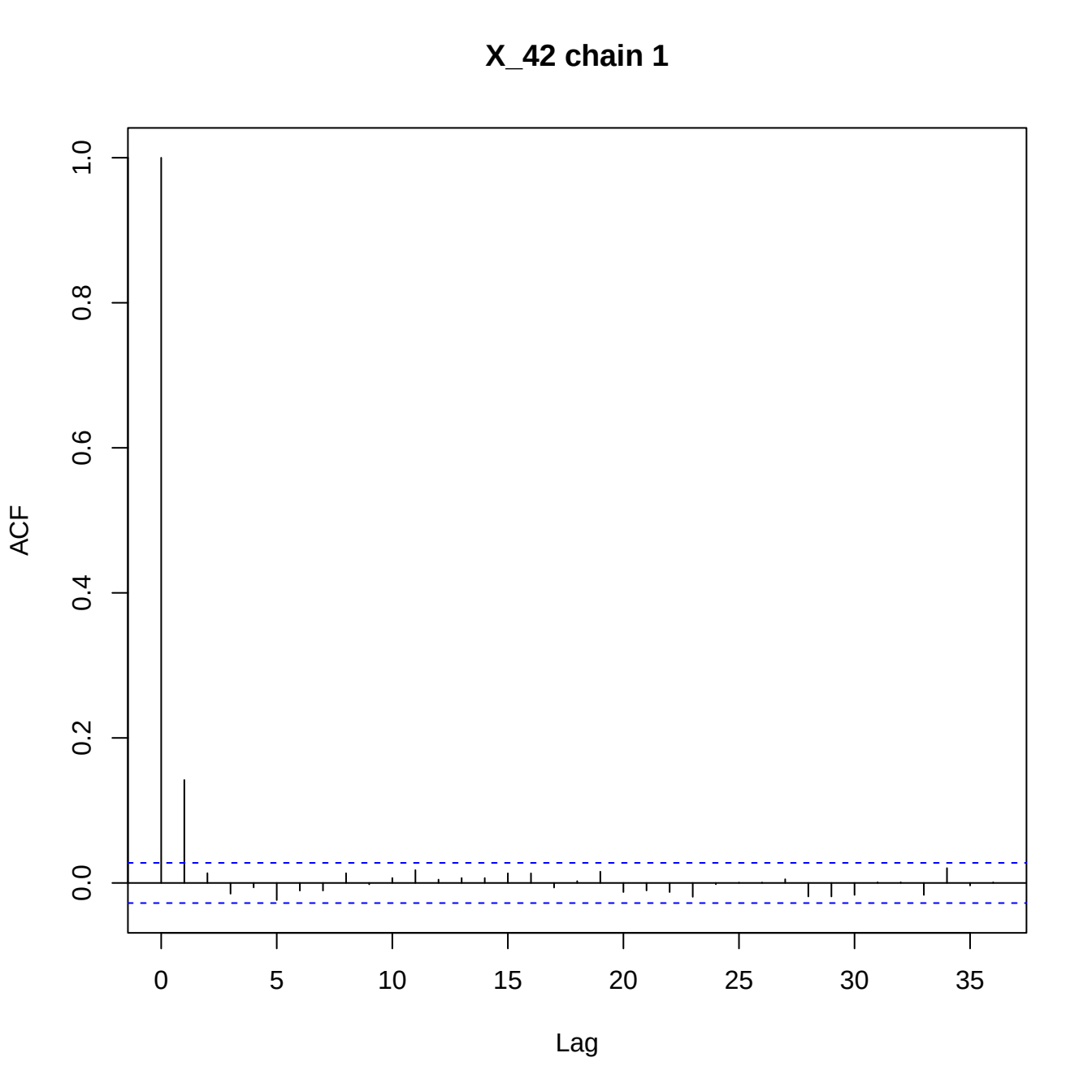
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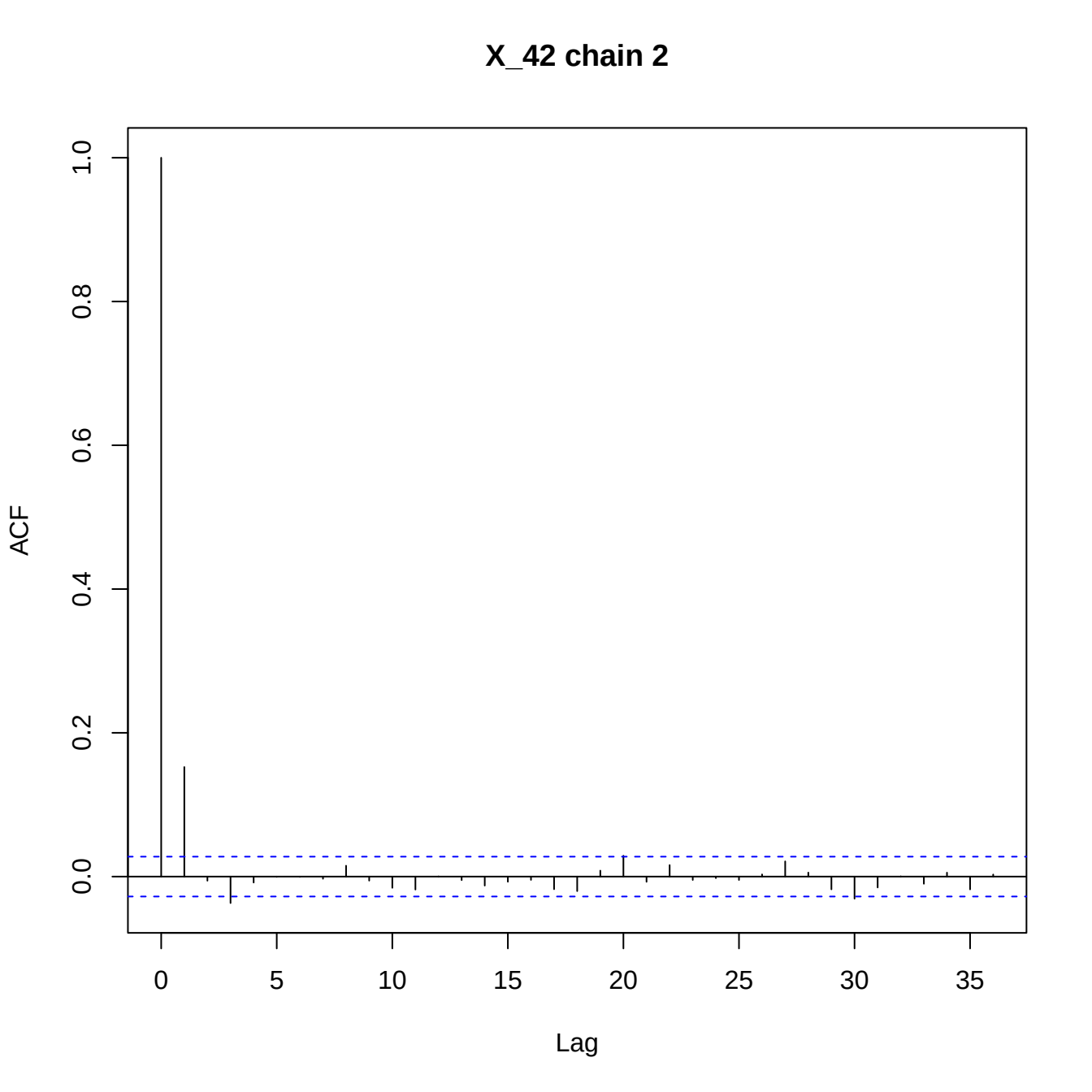
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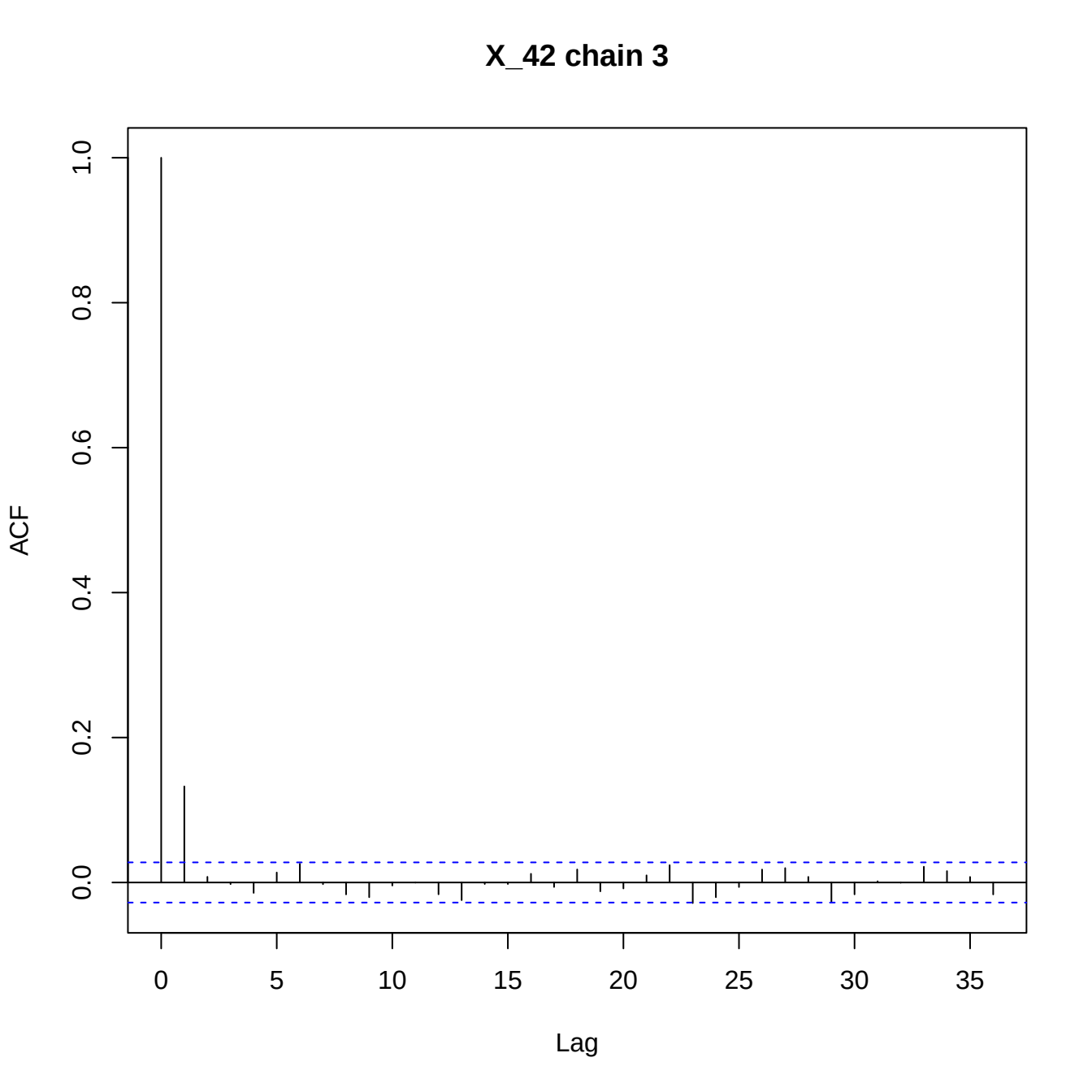
Lag


X_42 chain 3
ACF
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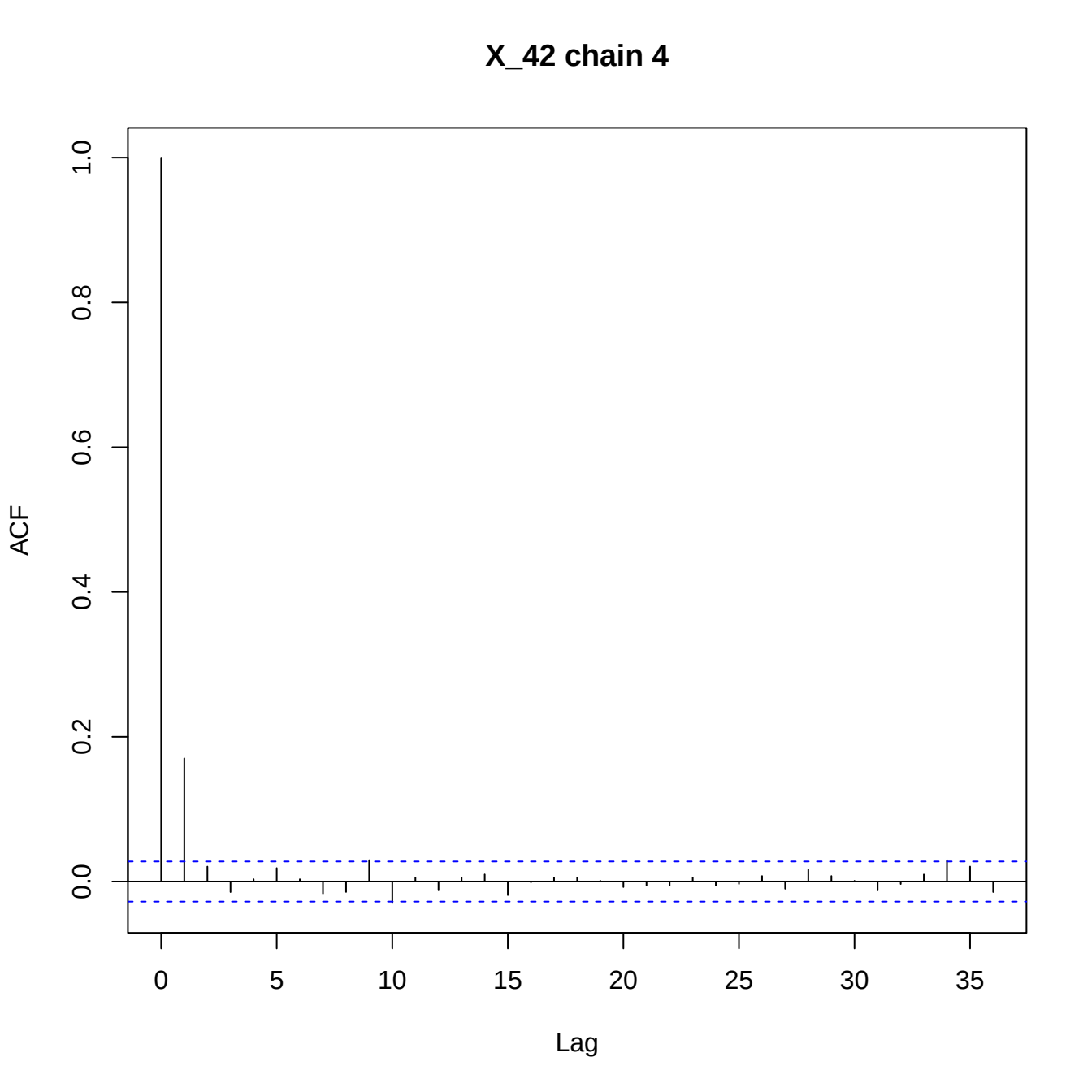
Lag


X_42 chain 4
ACF
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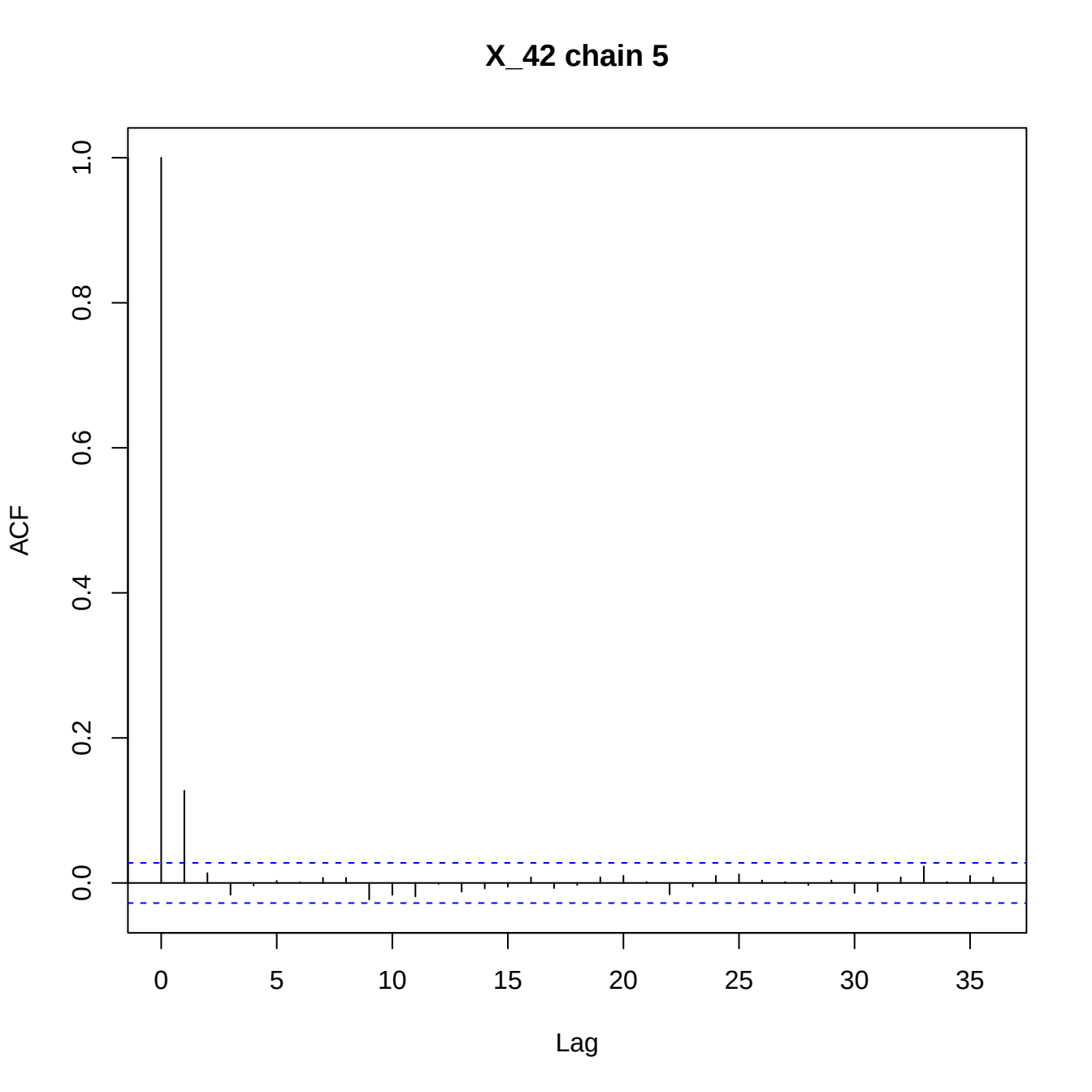
Lag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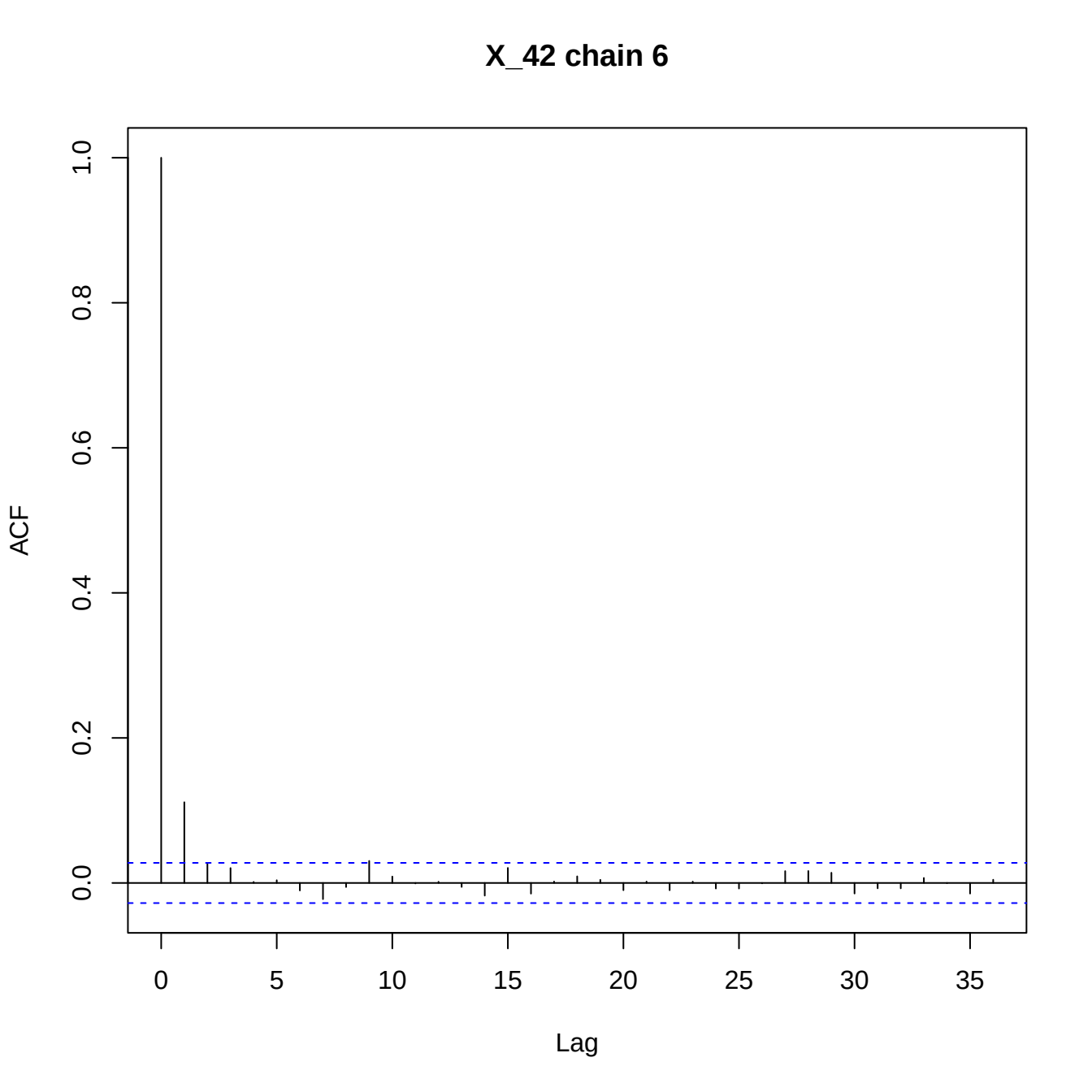
Lag


X_42 chain 6
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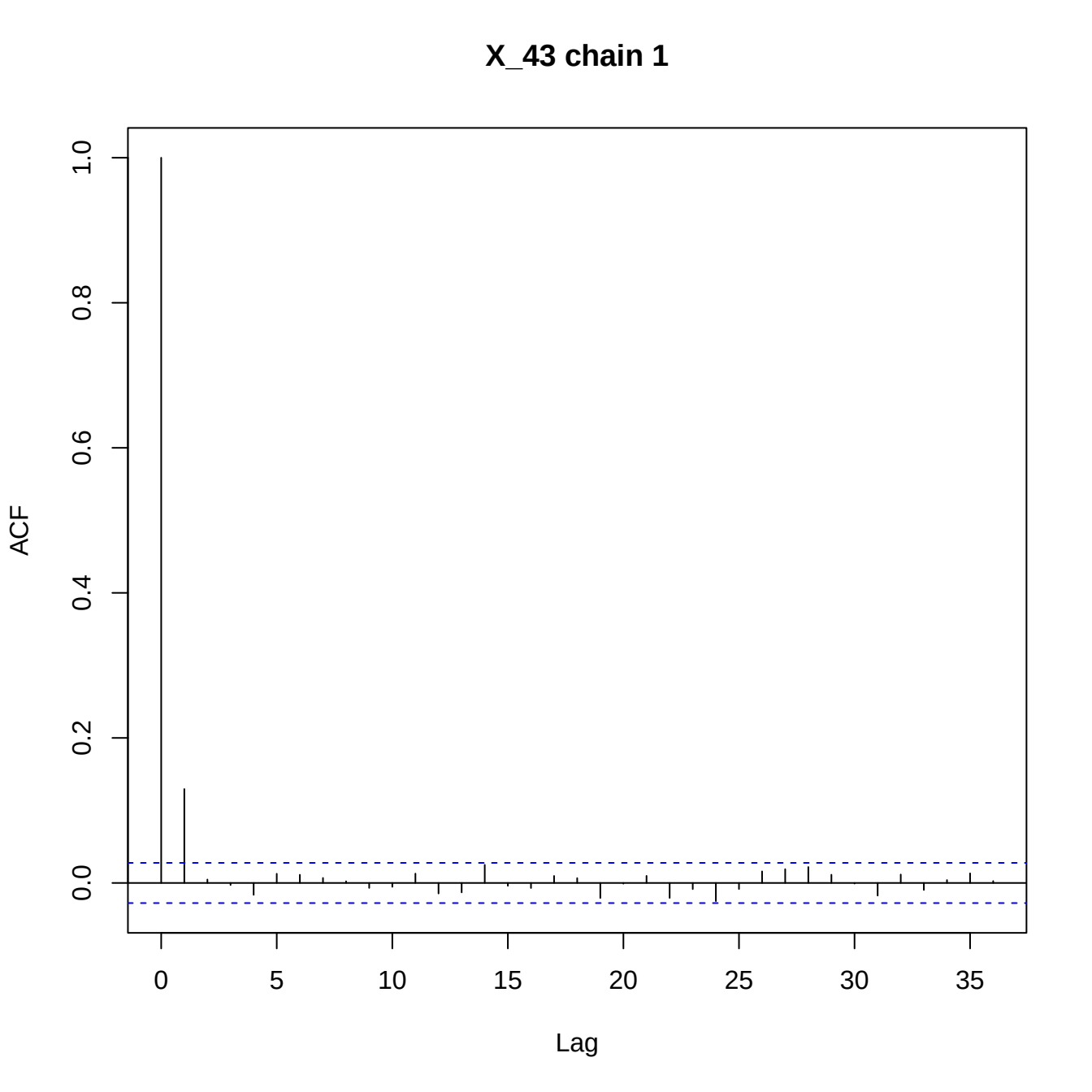
Lag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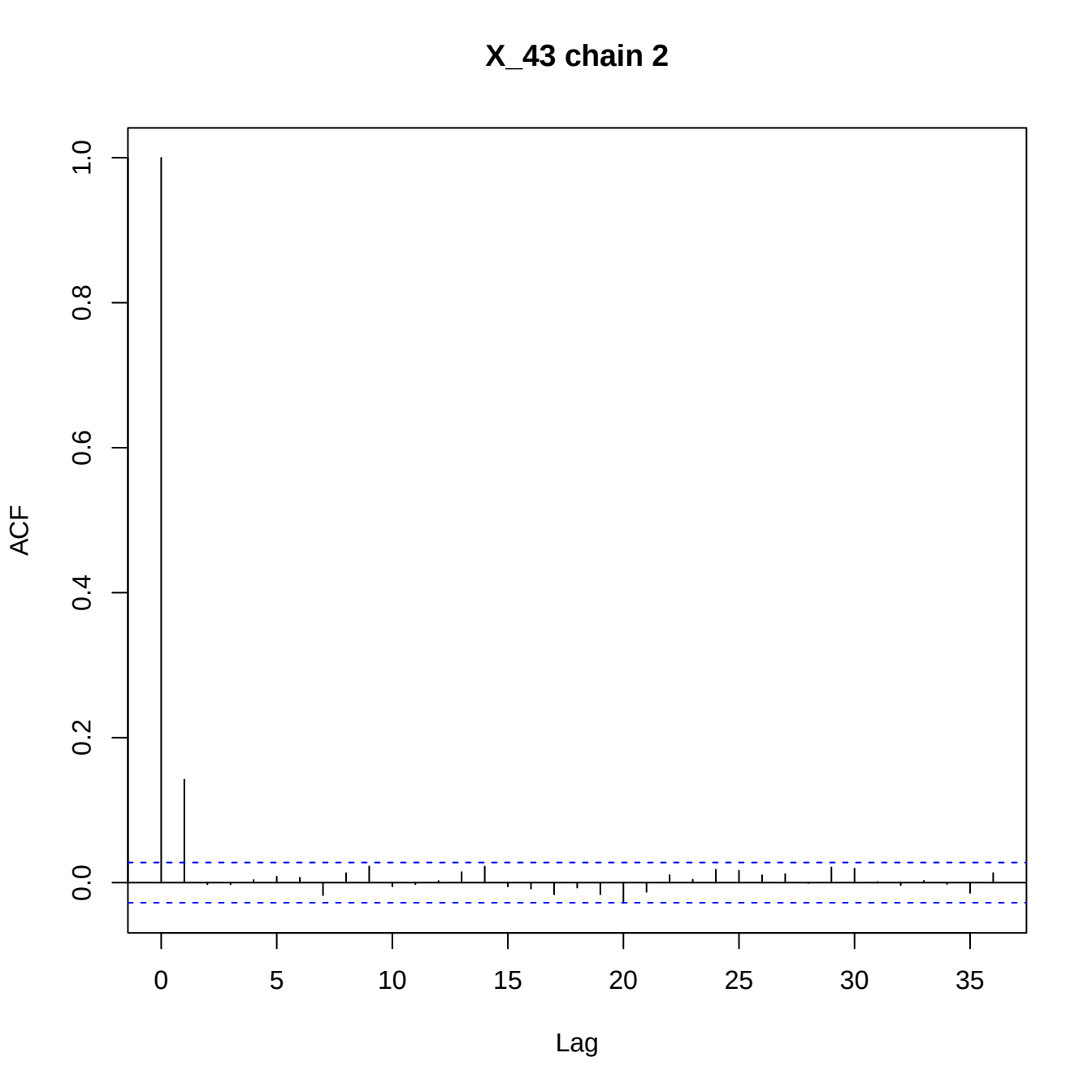
Lag


X_43 chain 2
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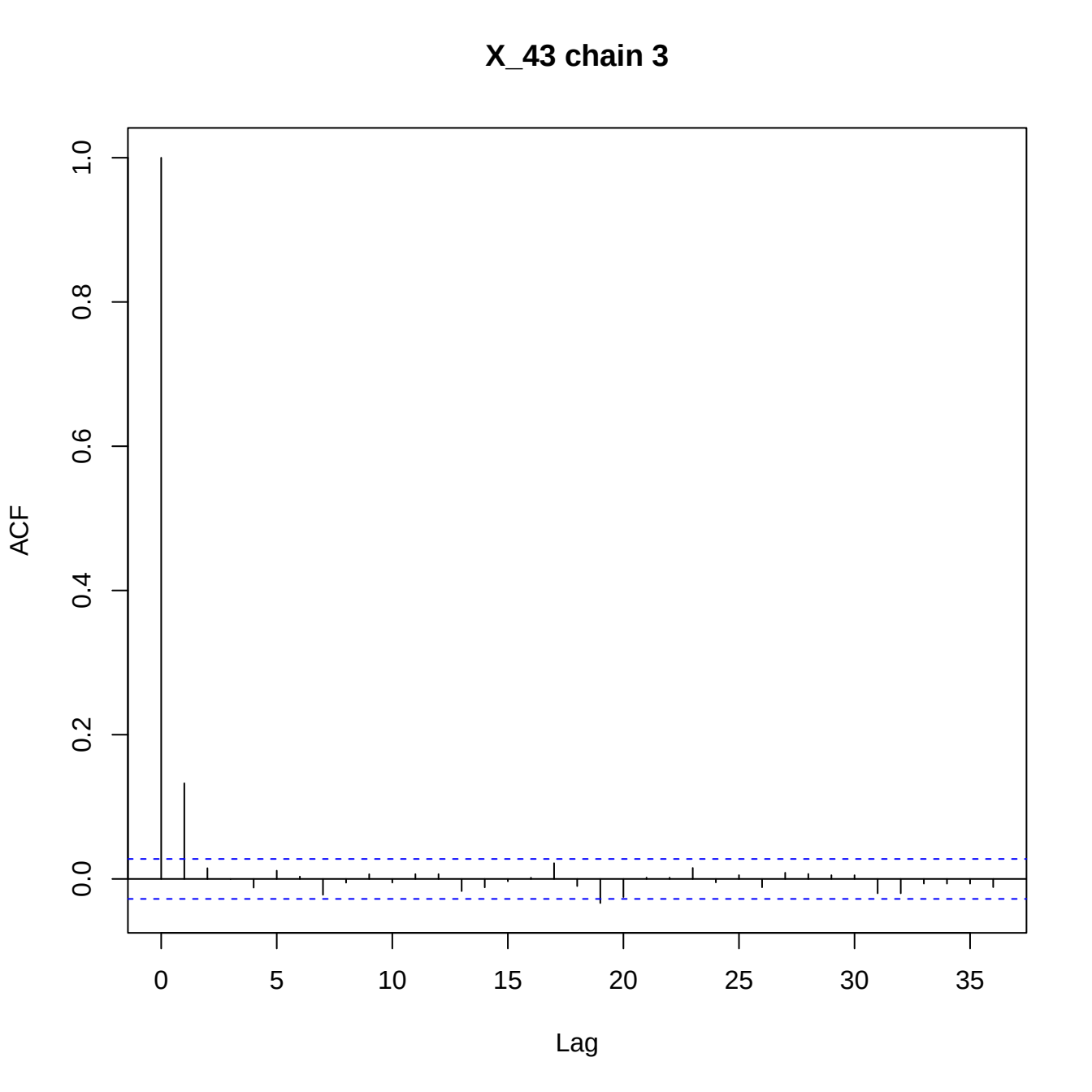
Lag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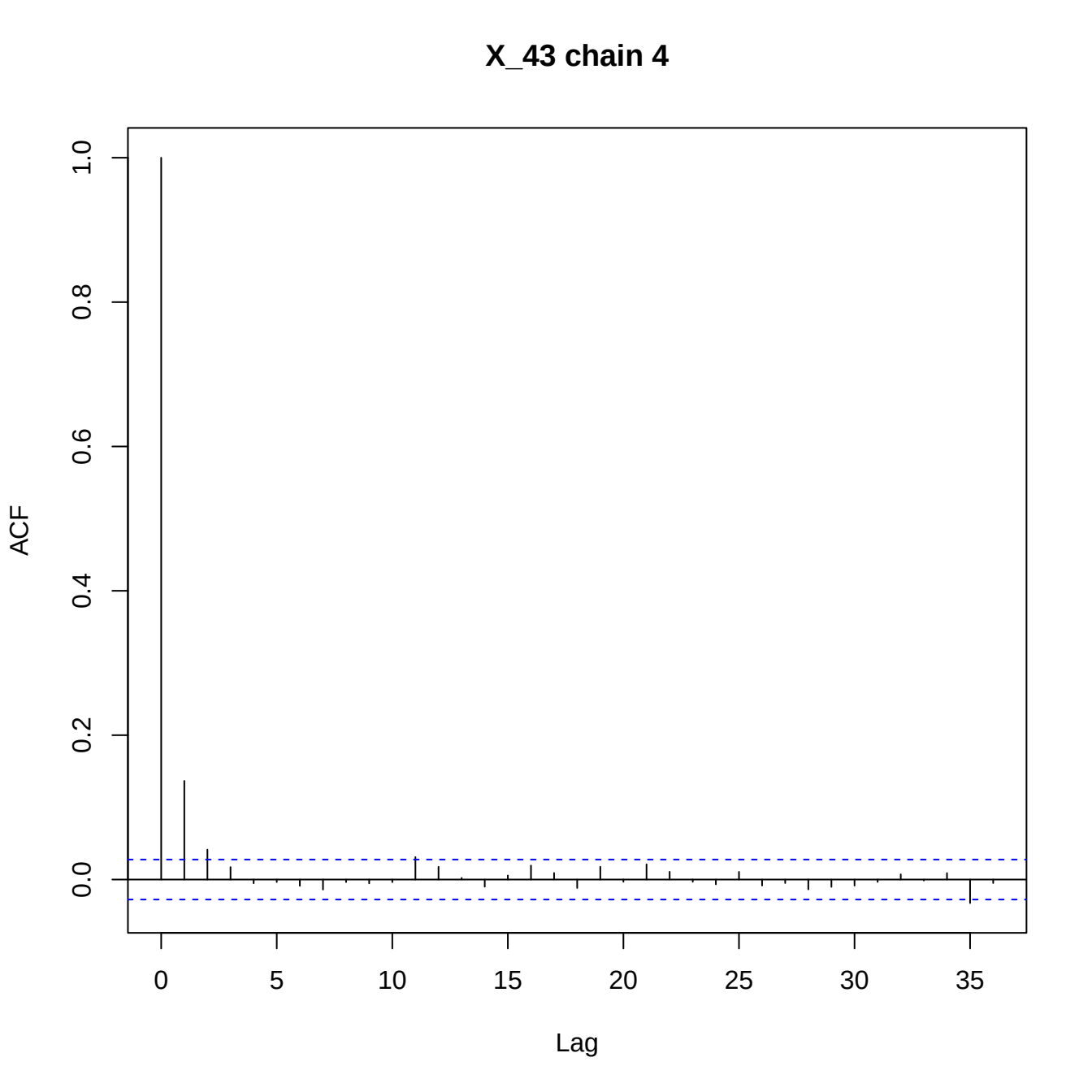
Lag


X_43 chain 4
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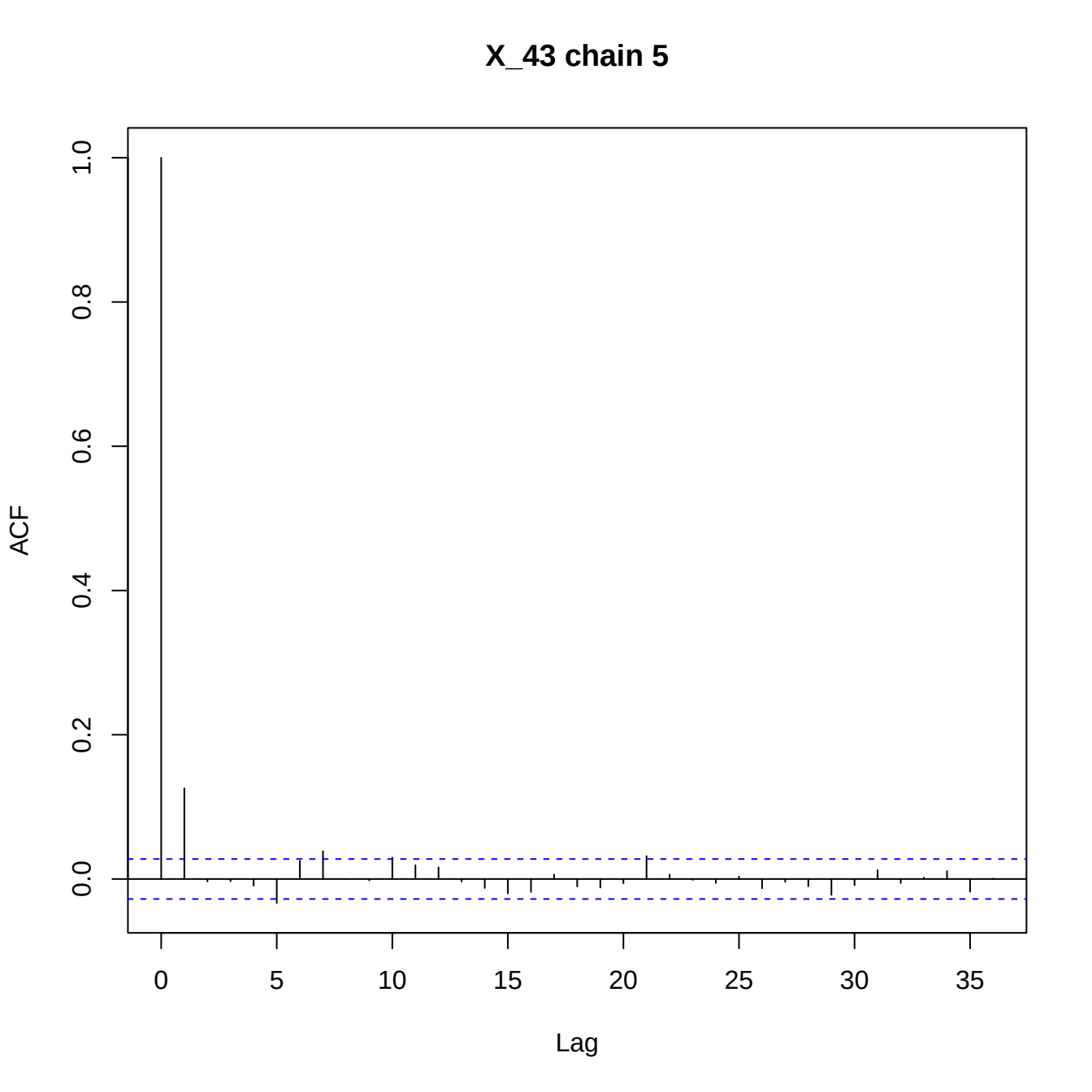
Lag


X_43 chain 5
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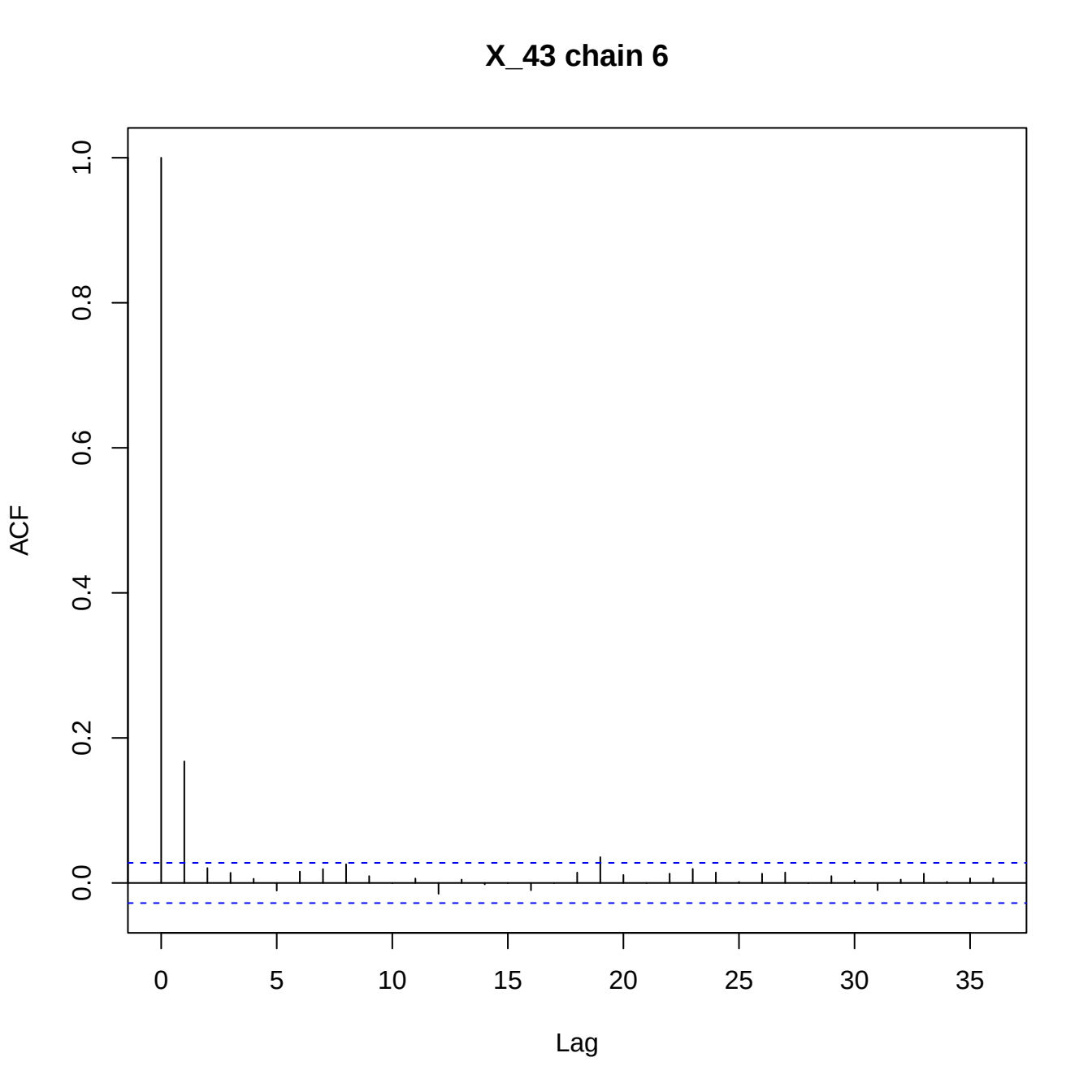
Lag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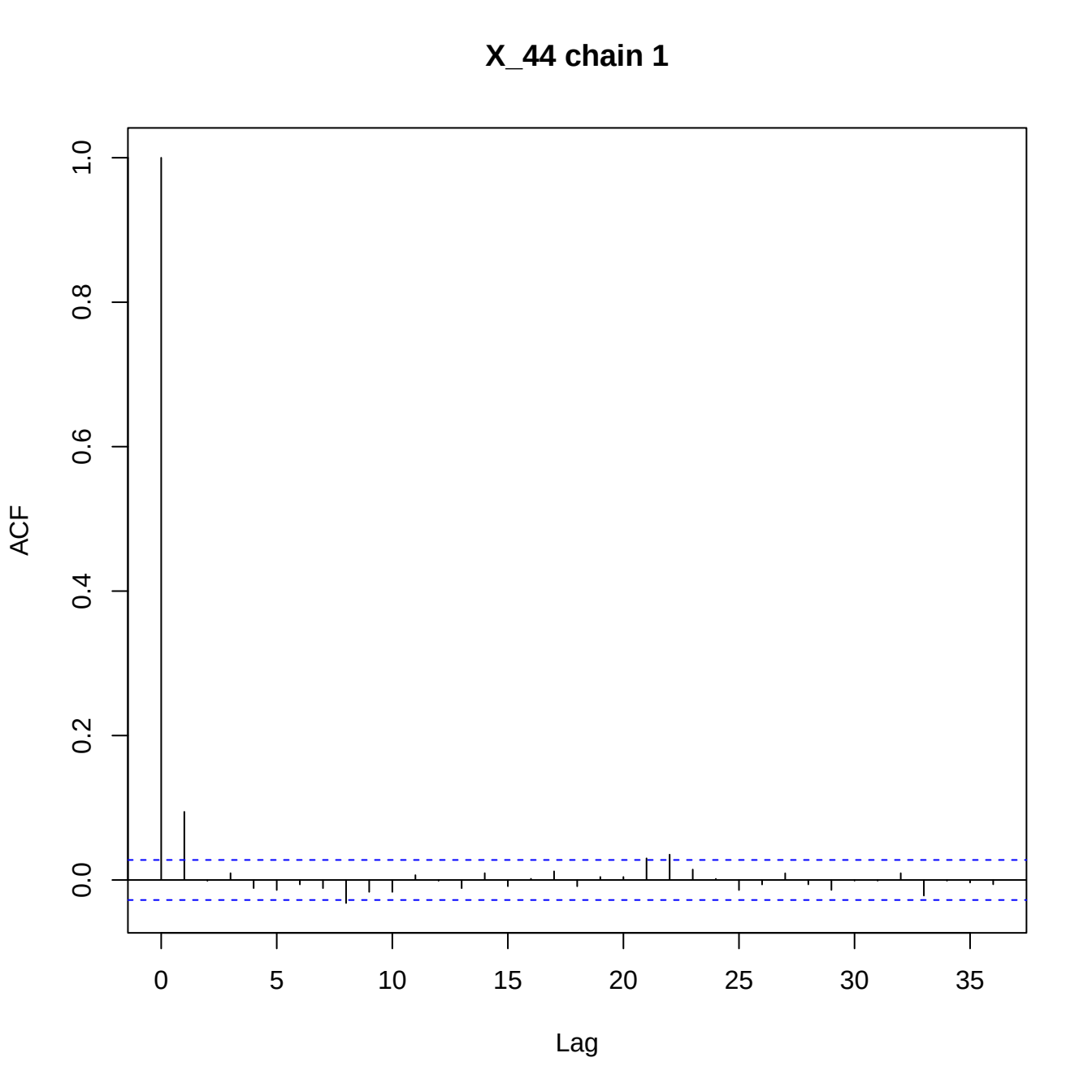
Lag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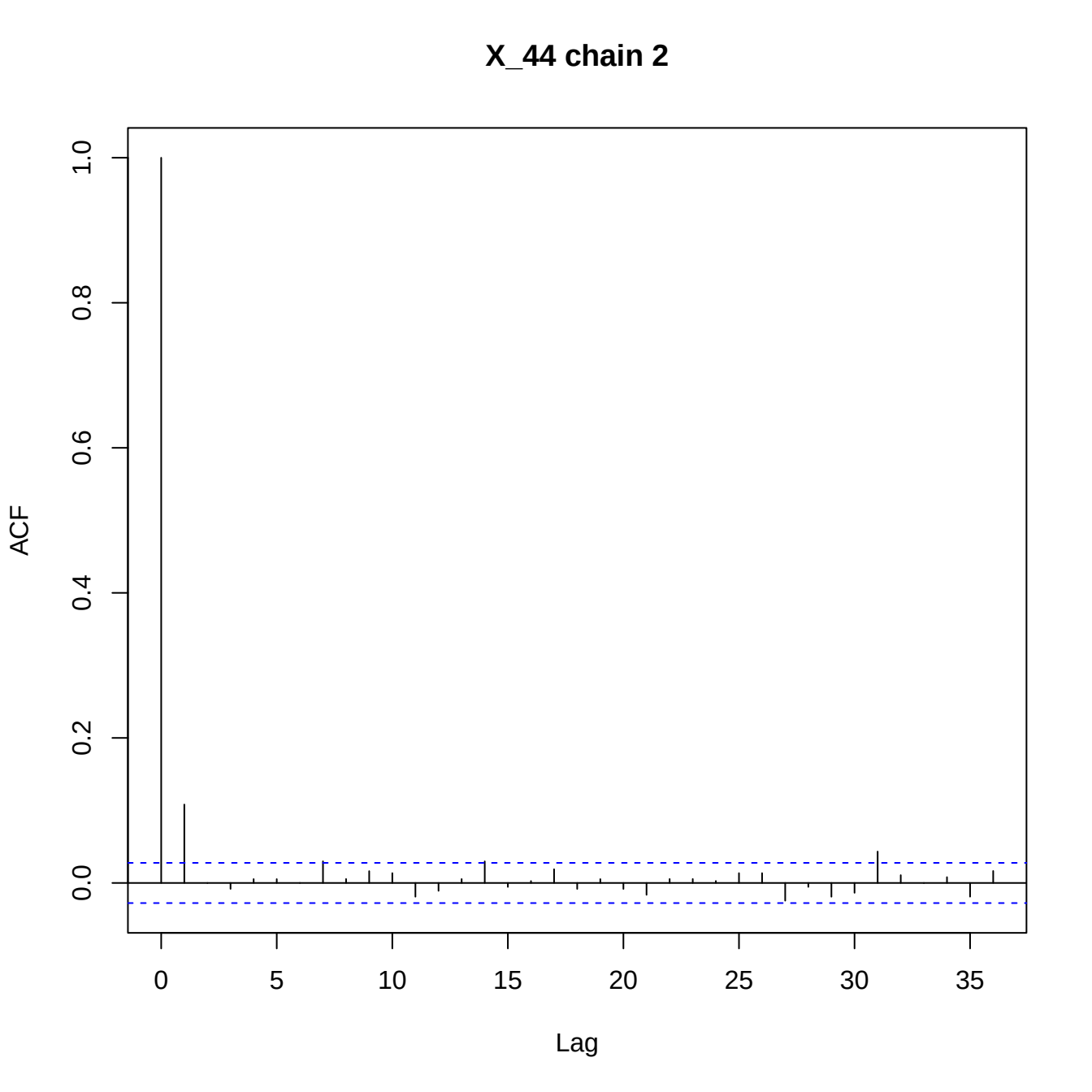
Lag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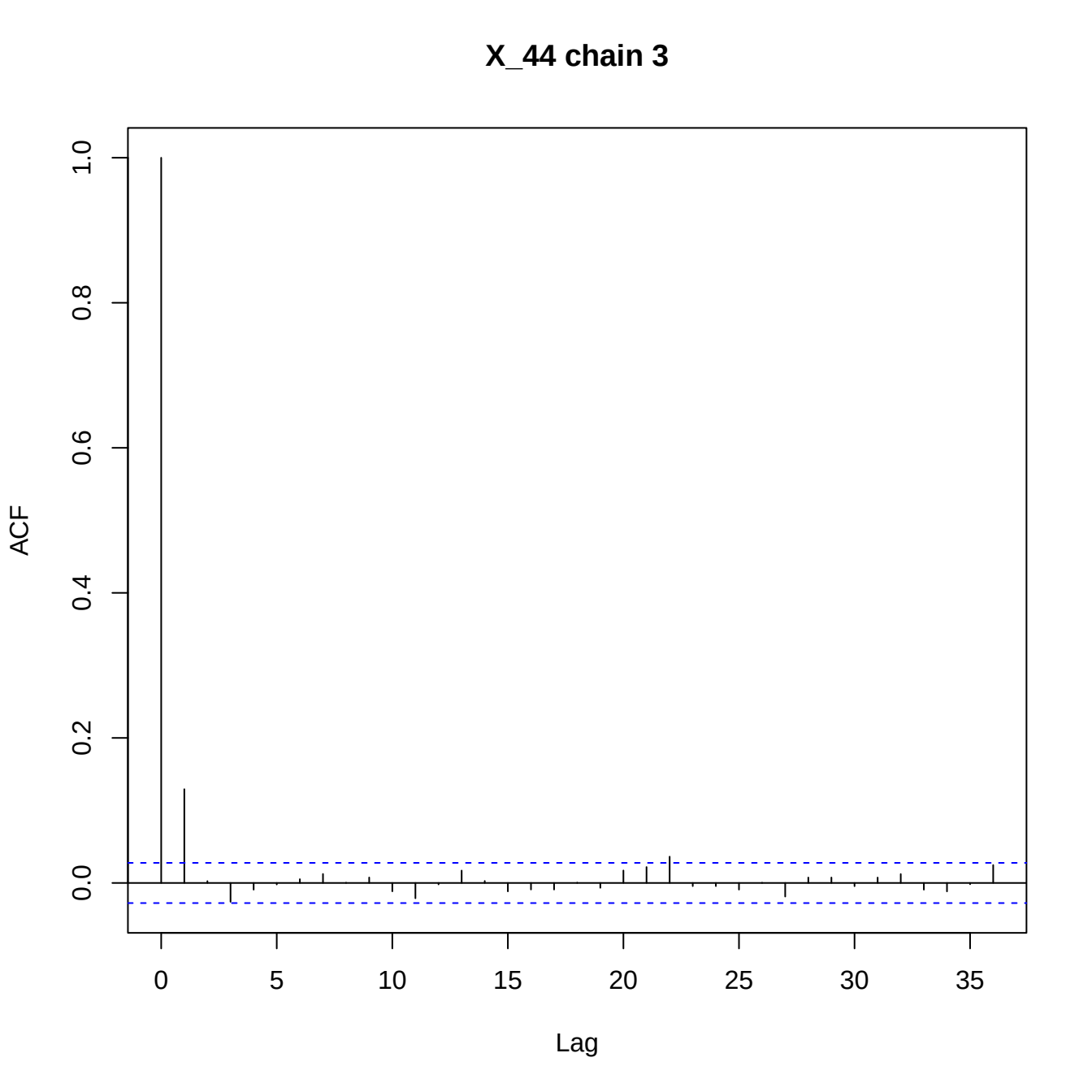
Lag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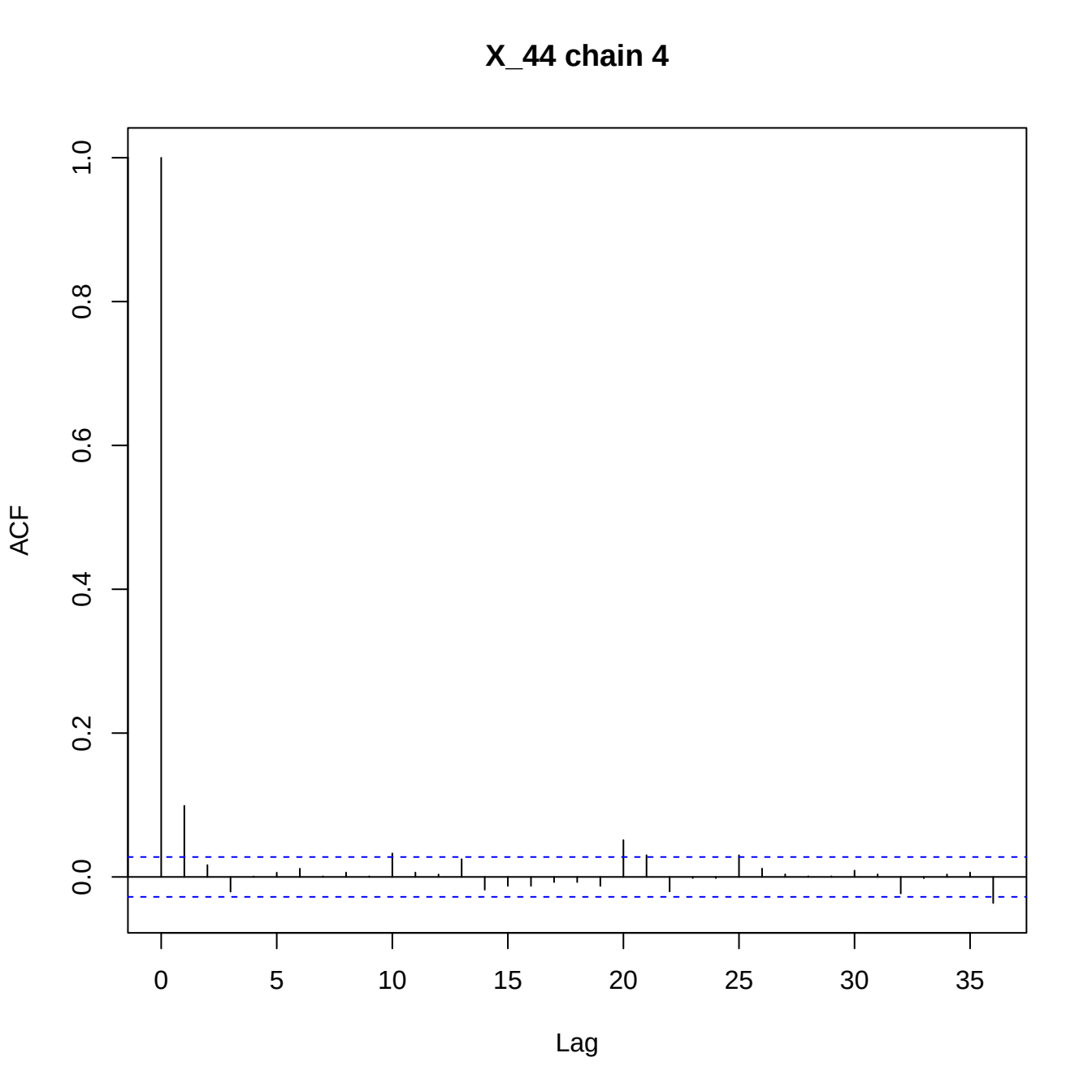
Lag


X_44 chain 4
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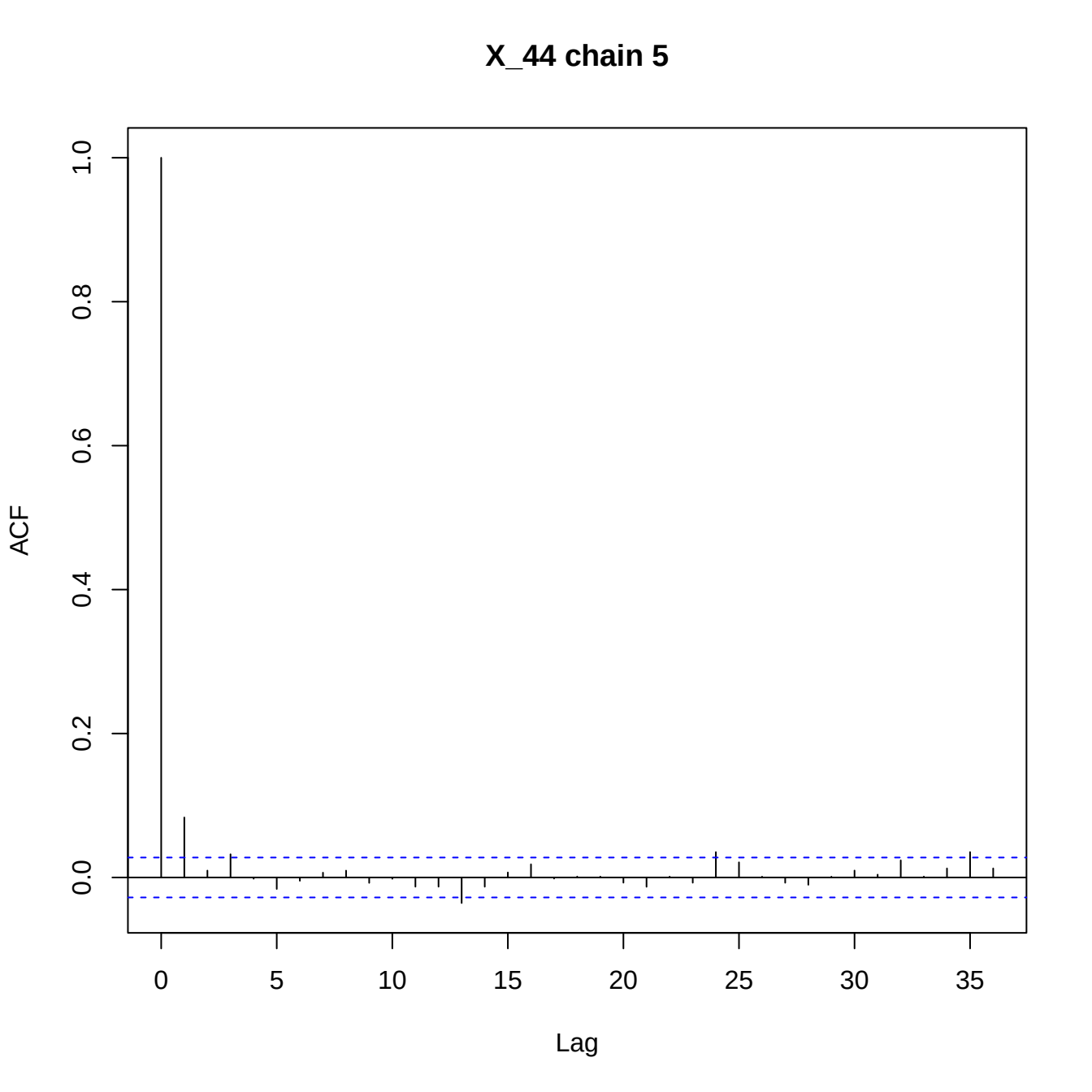
Lag


X_44 chain 5
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0.4
0.2
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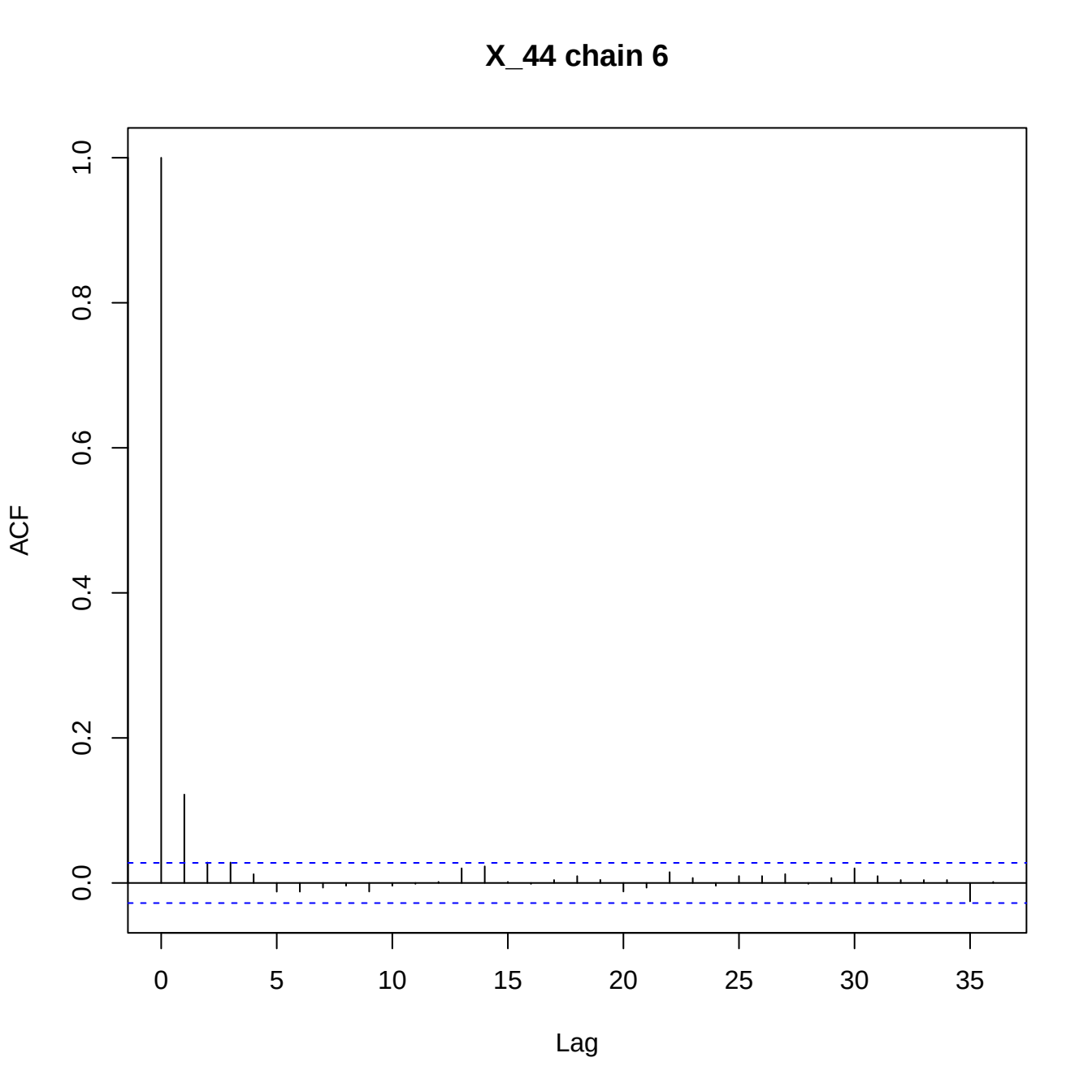
Lag


X_44 chain 6
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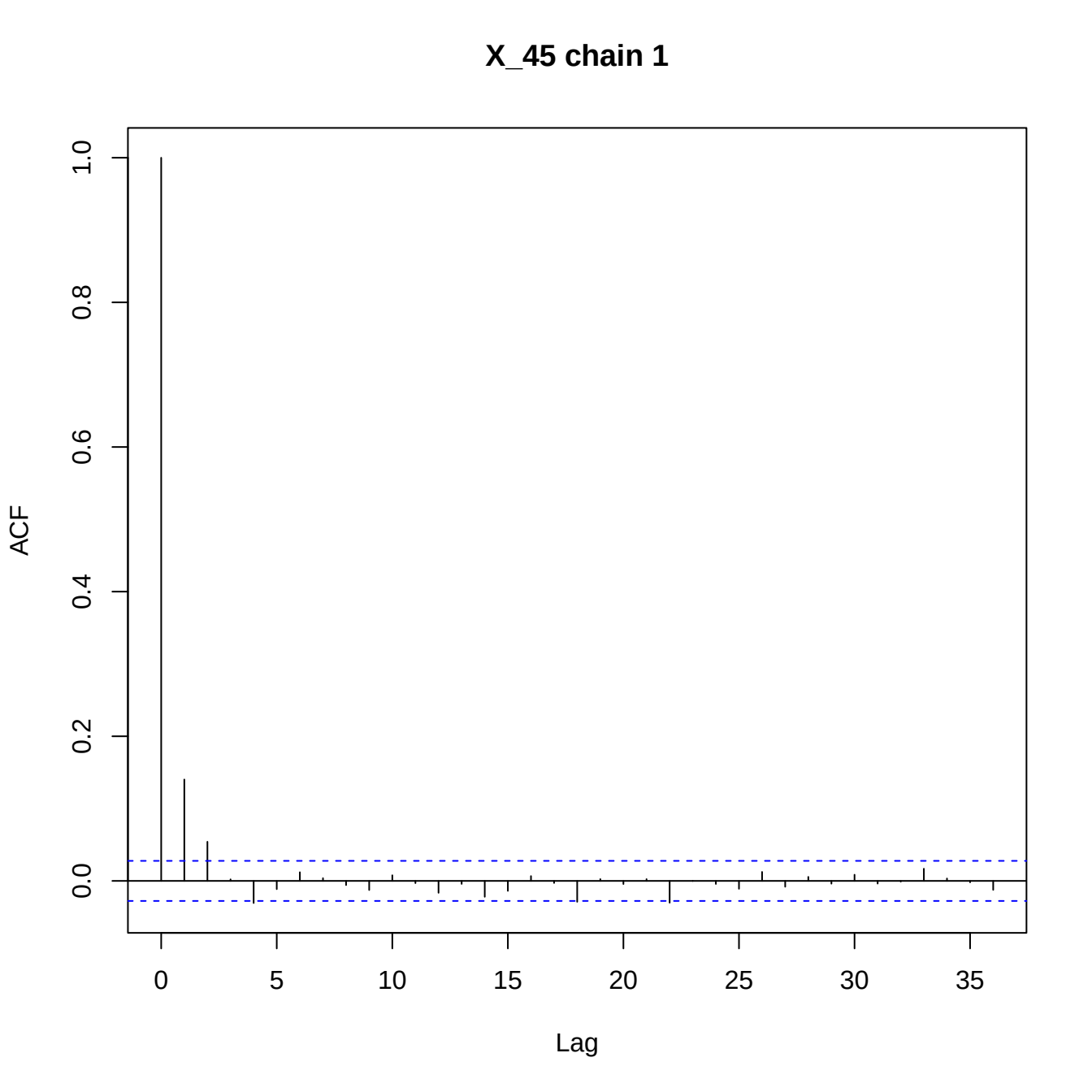
Lag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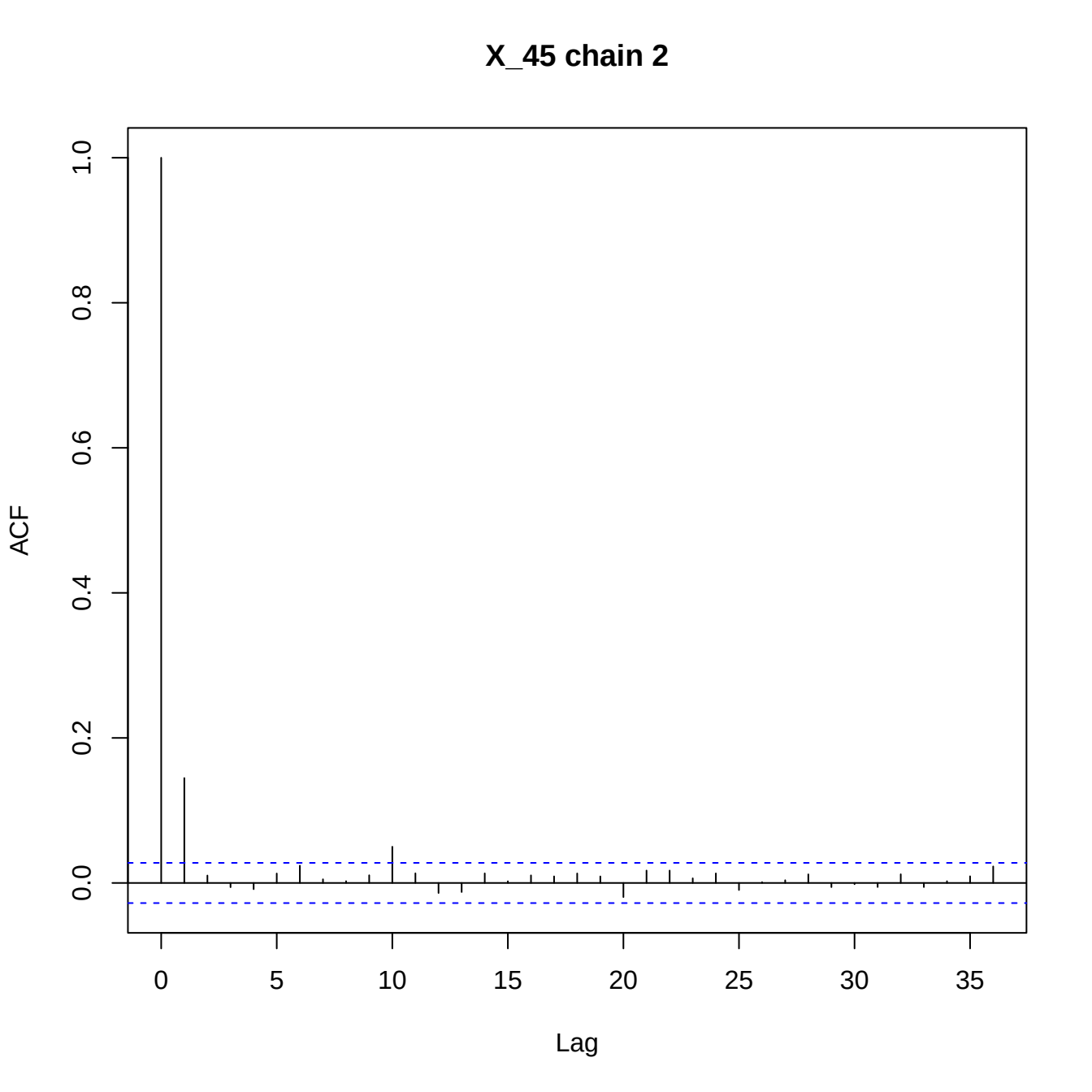
Lag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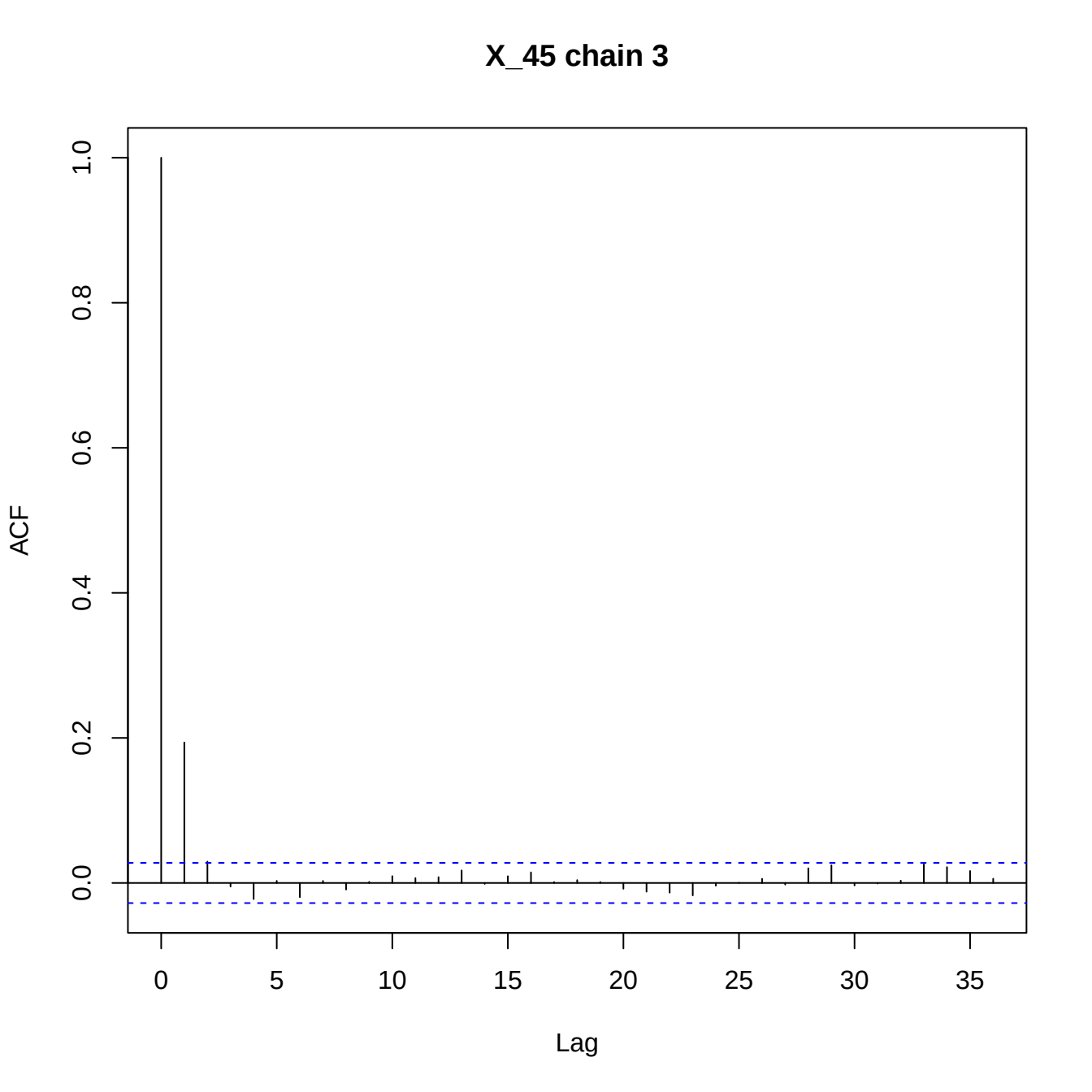
Lag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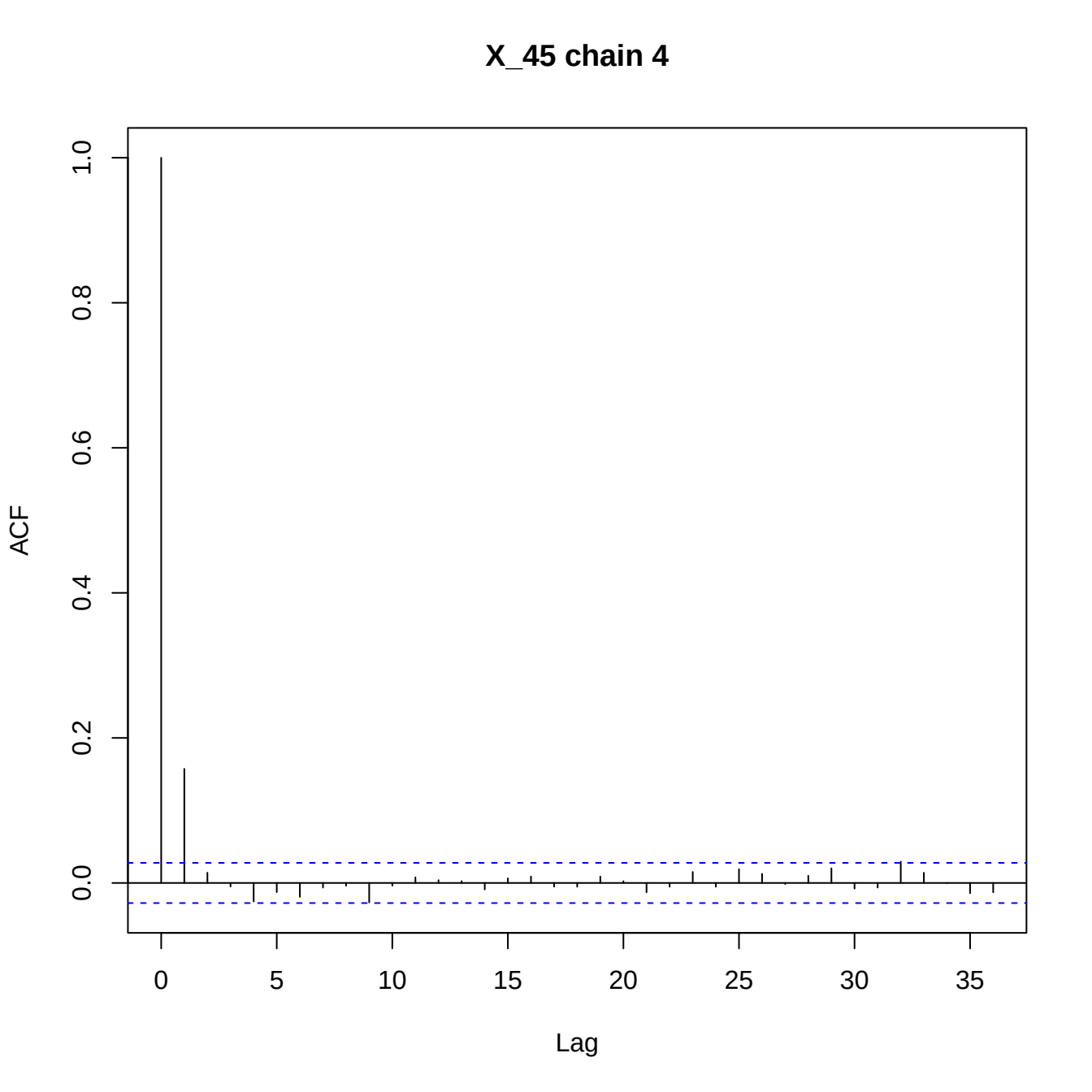
Lag


X_45 chain 4
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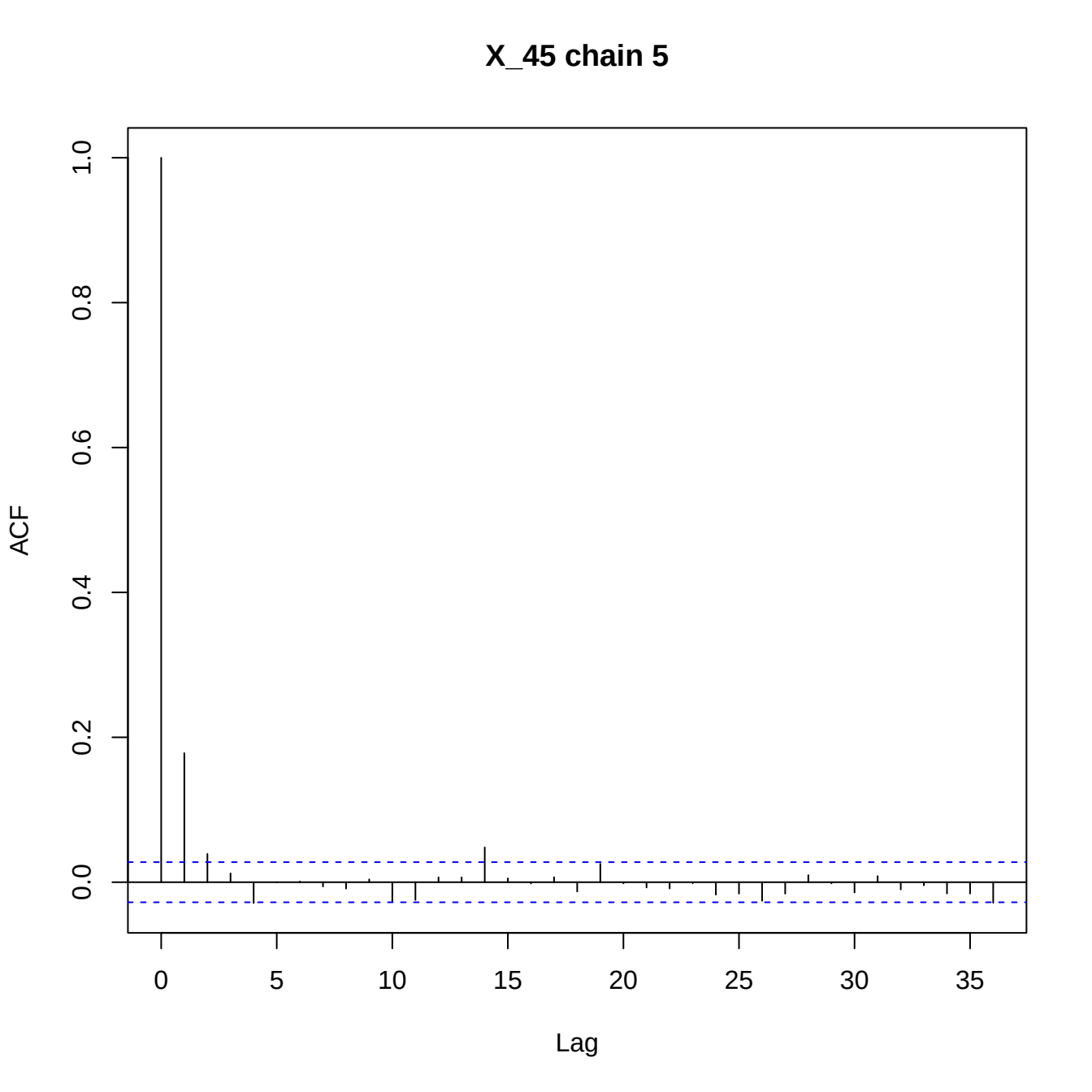
Lag


X_45 chain 5
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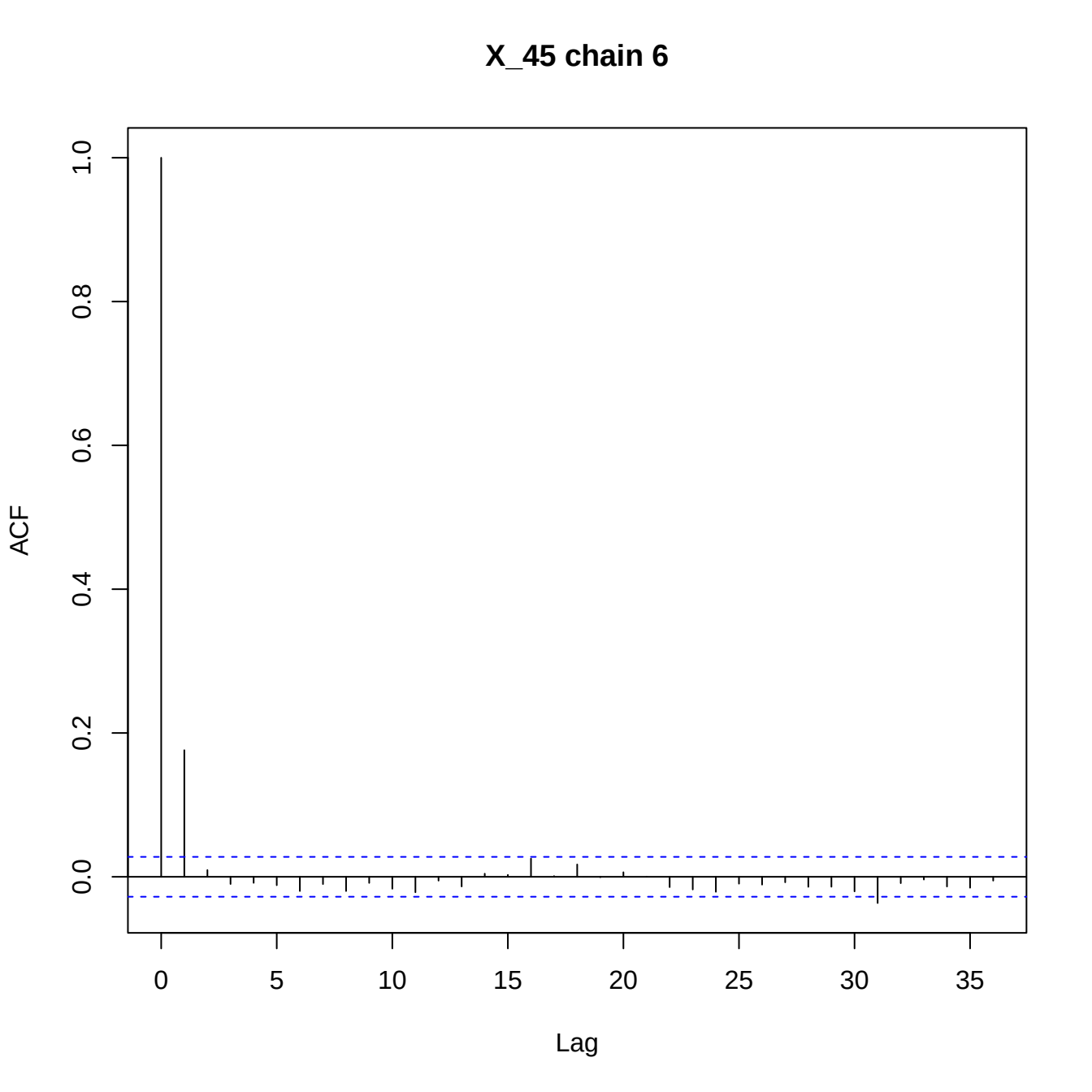
Lag


X_45 chain 6
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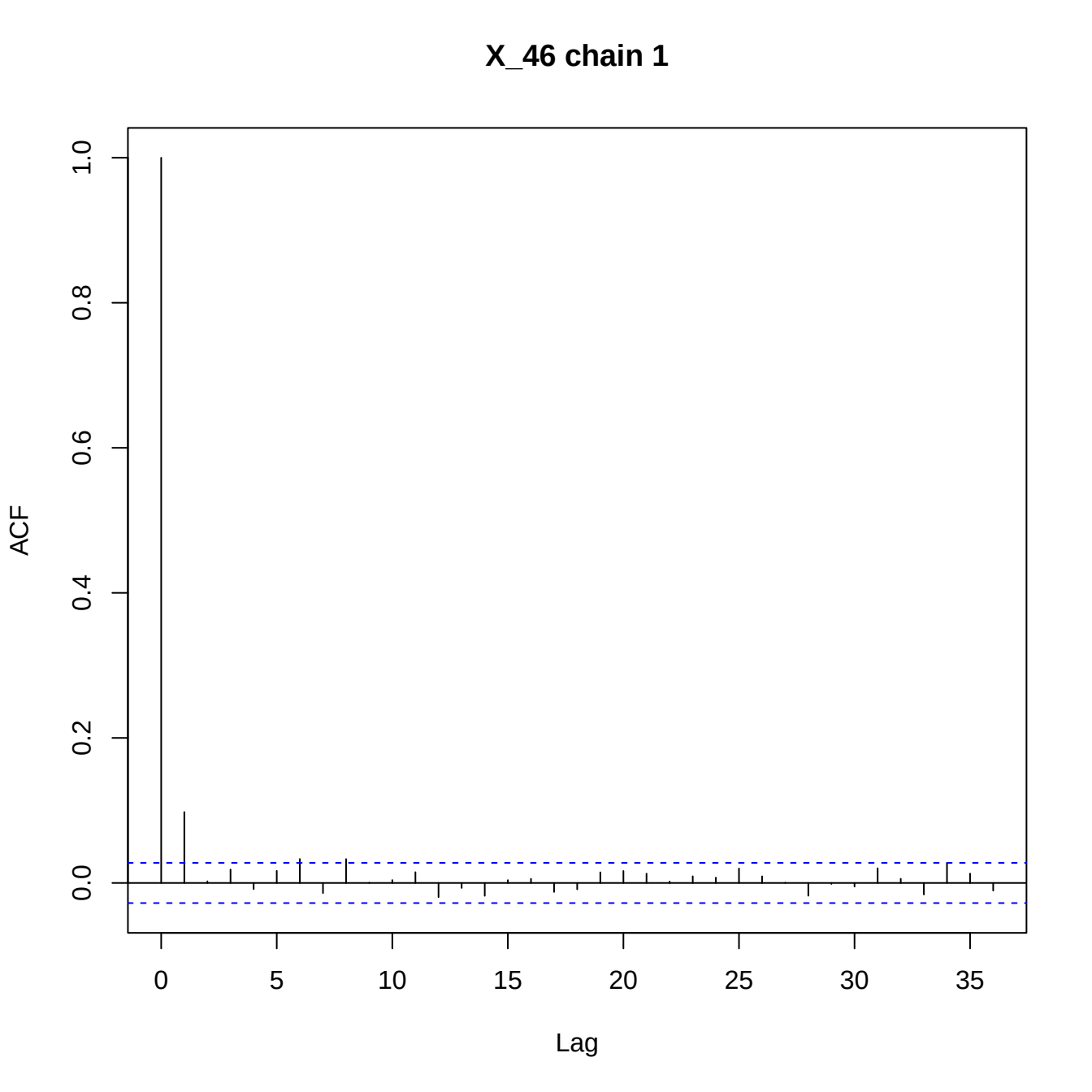
Lag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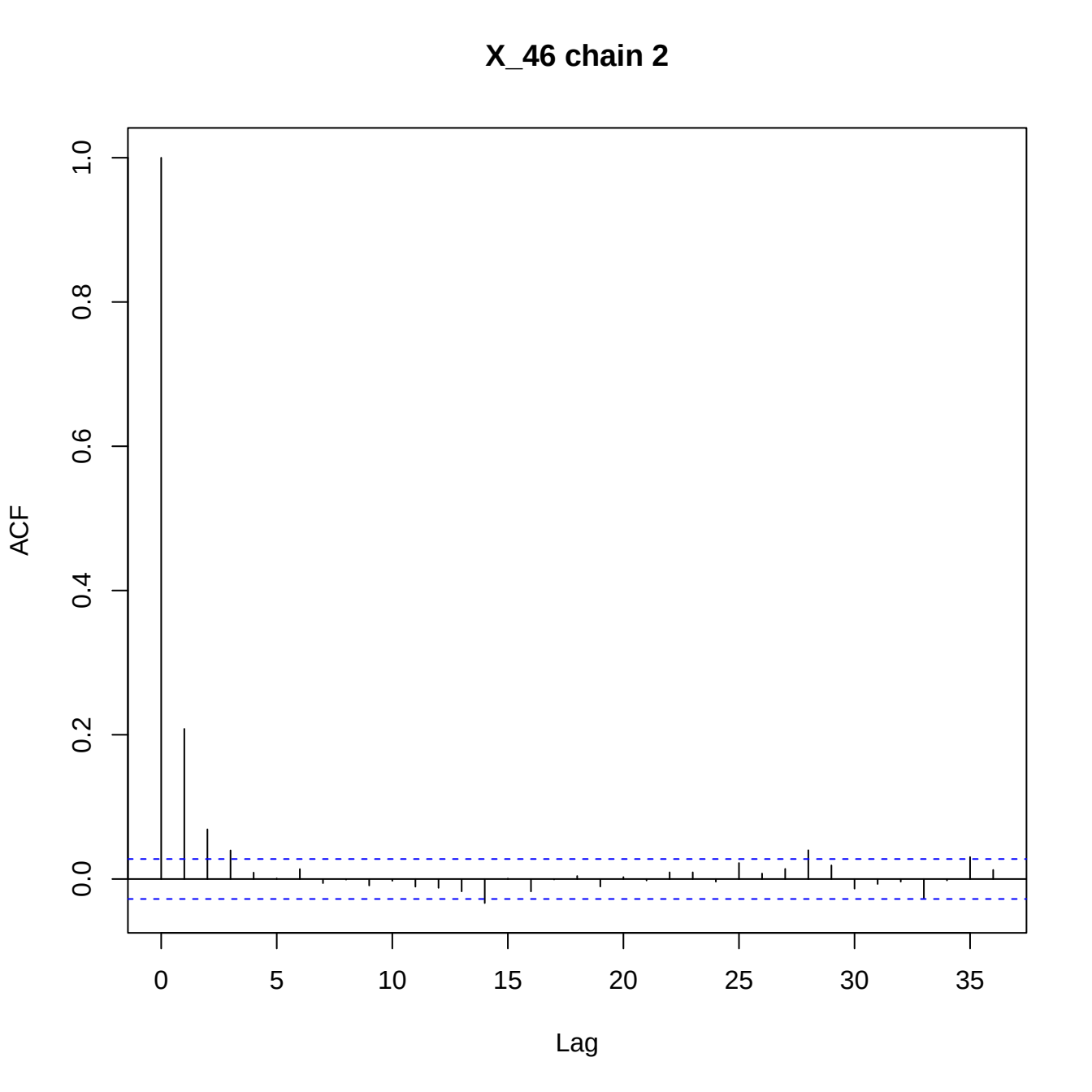
Lag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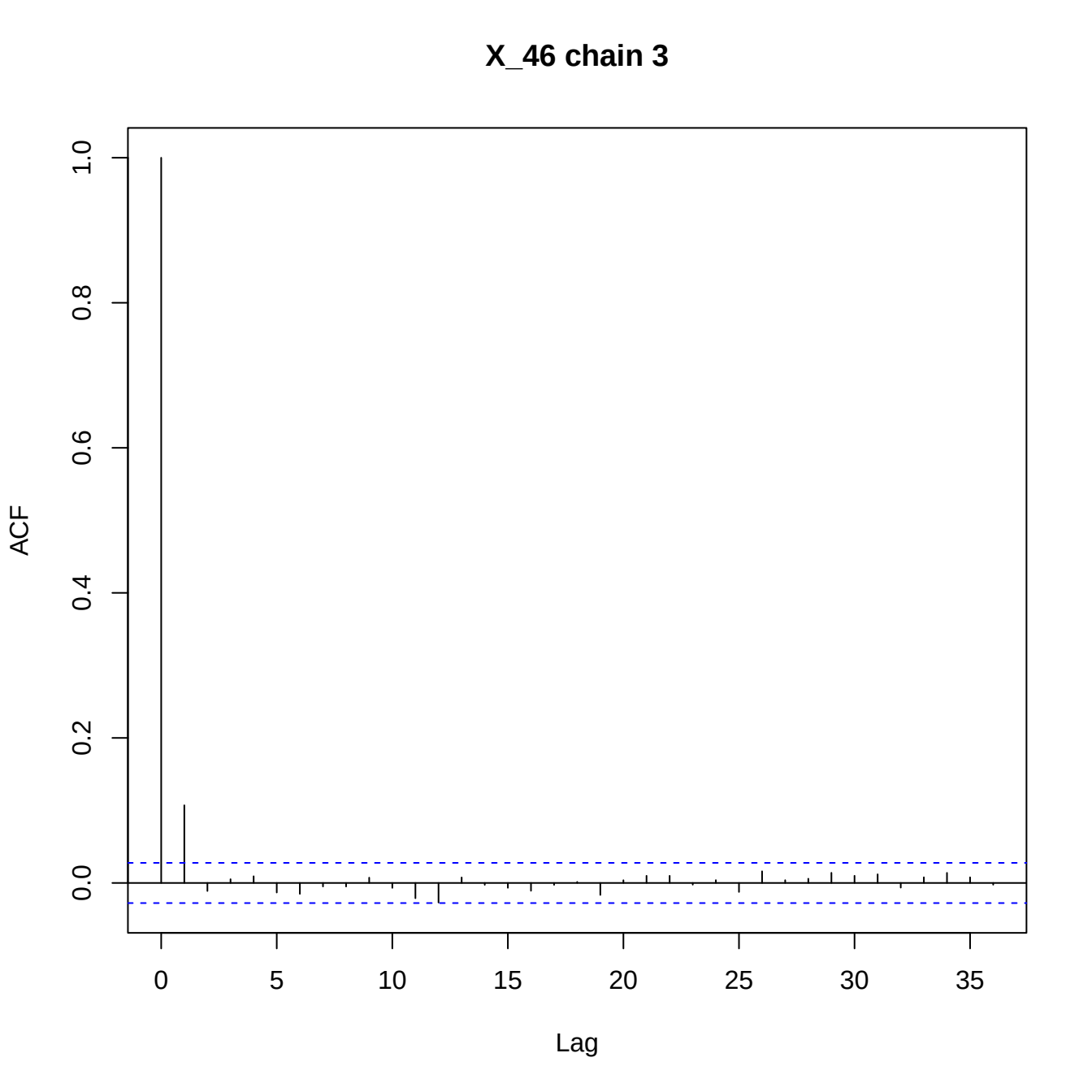
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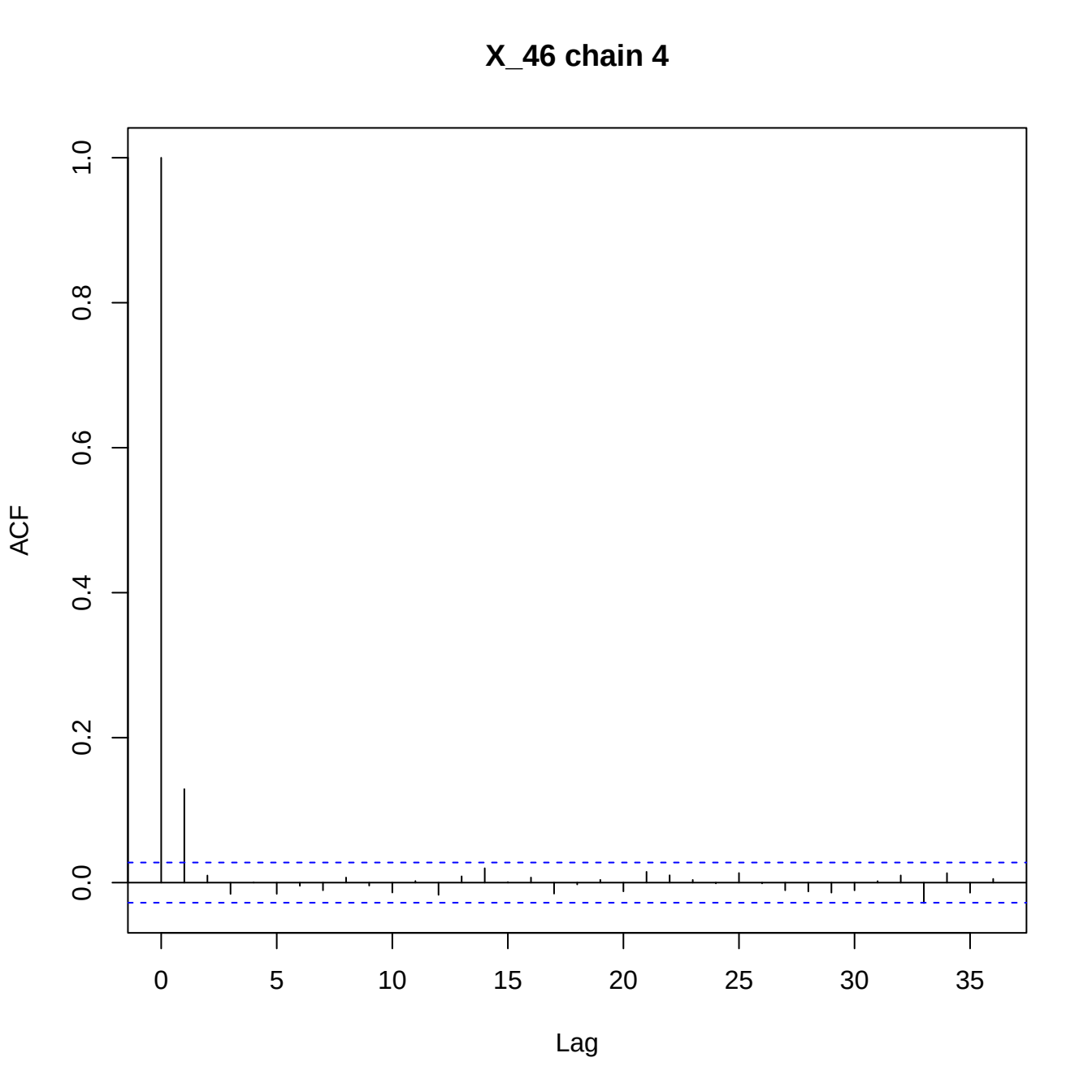
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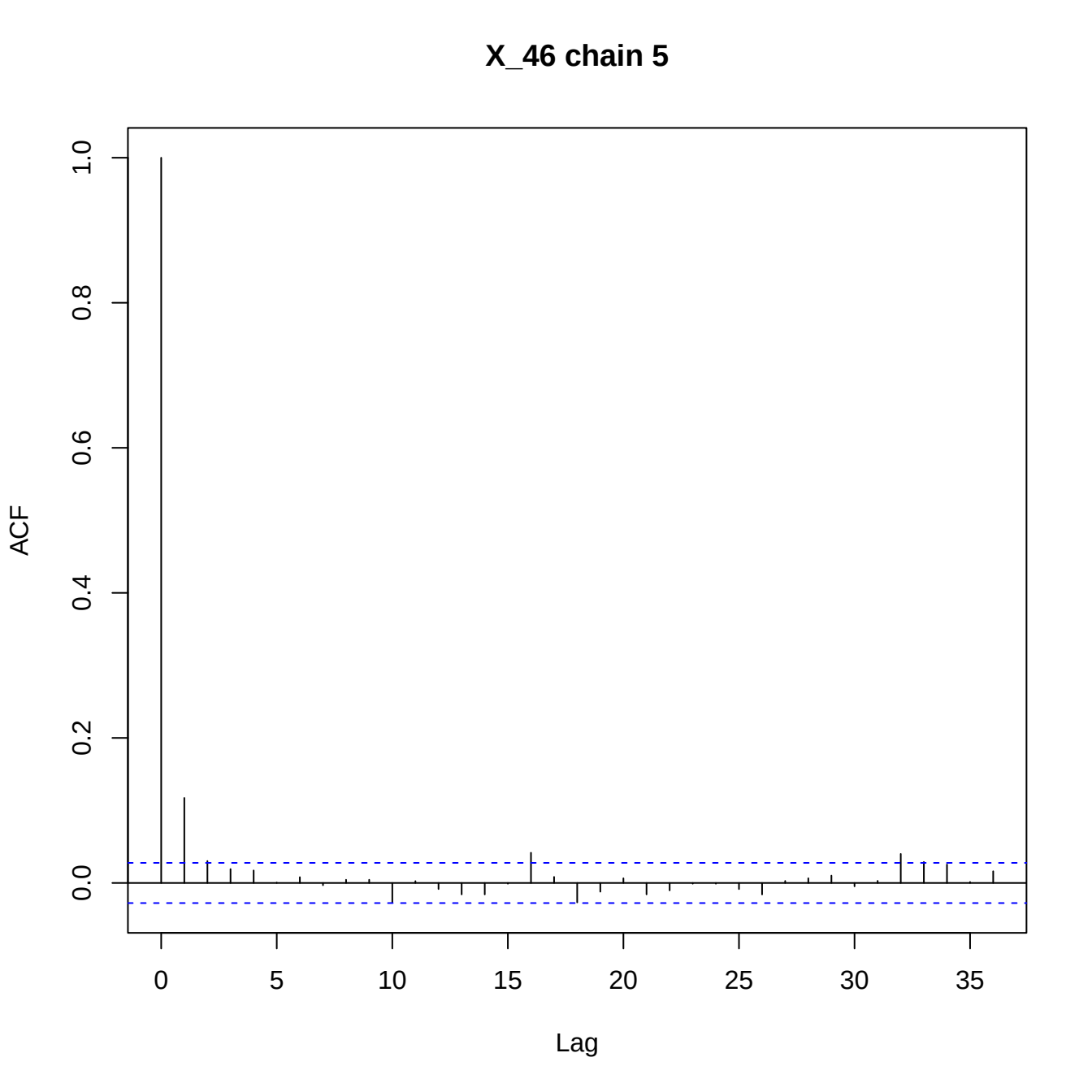
Lag


X_46 chain 5
ACF
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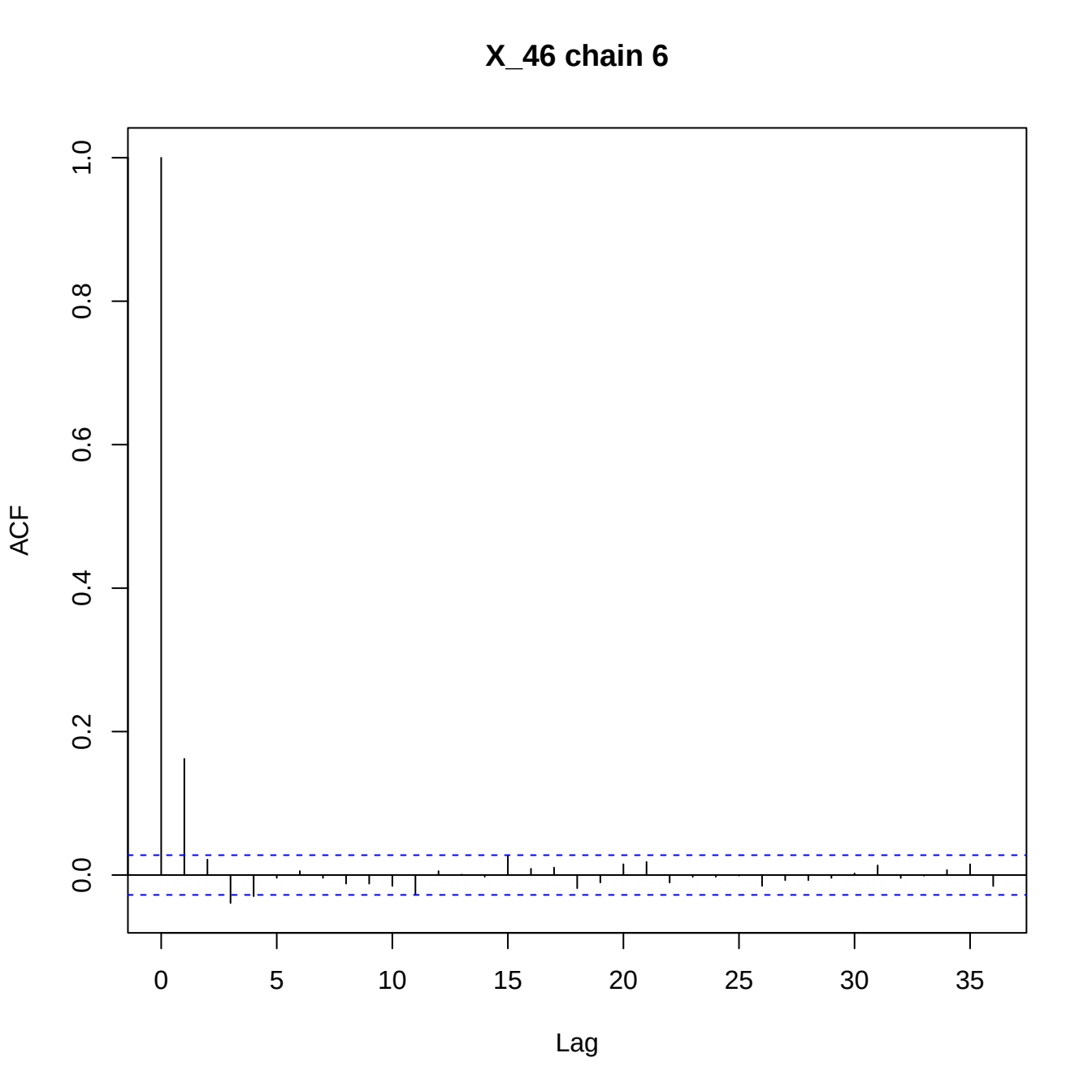
Lag


X_46 chain 6
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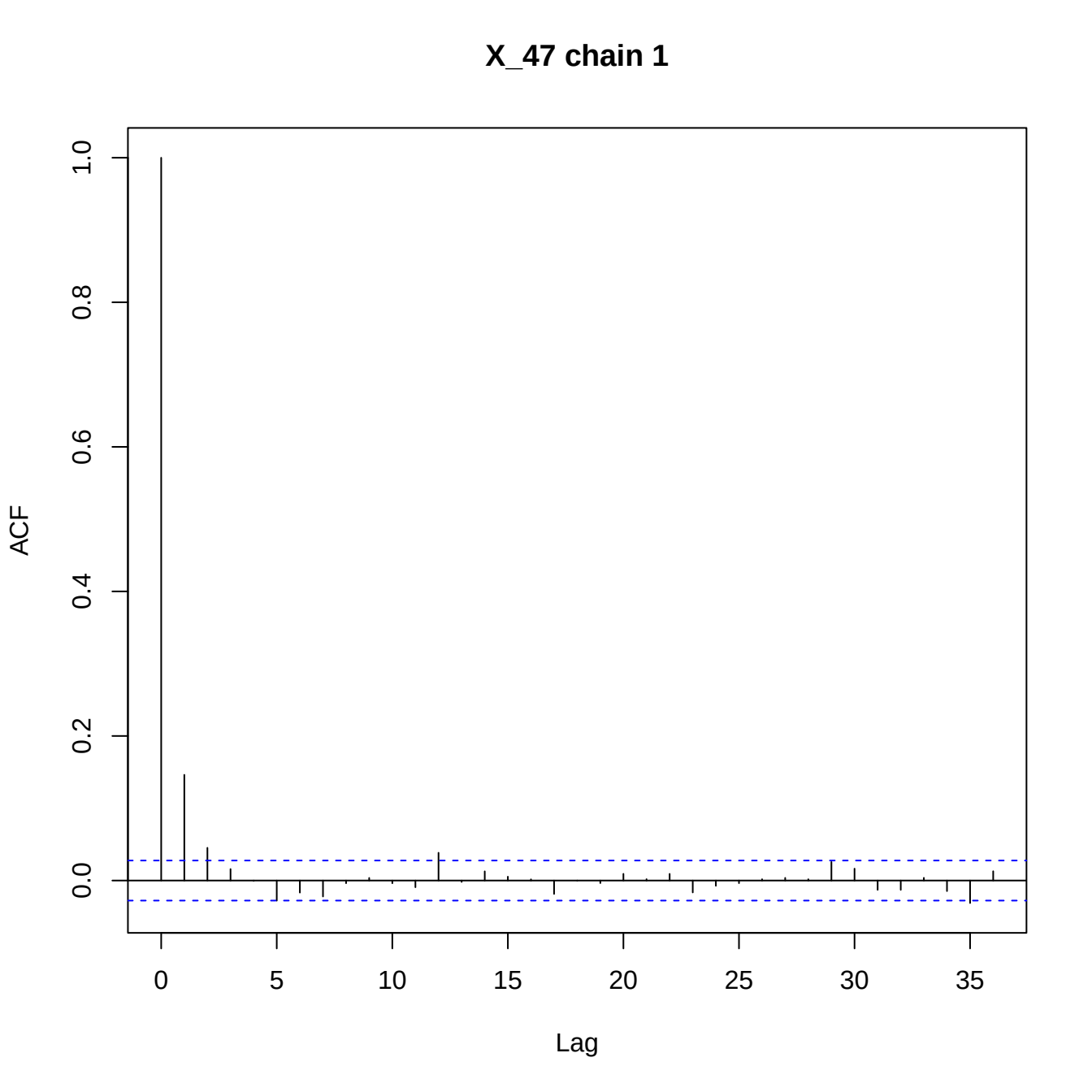
Lag


X_47 chain 1
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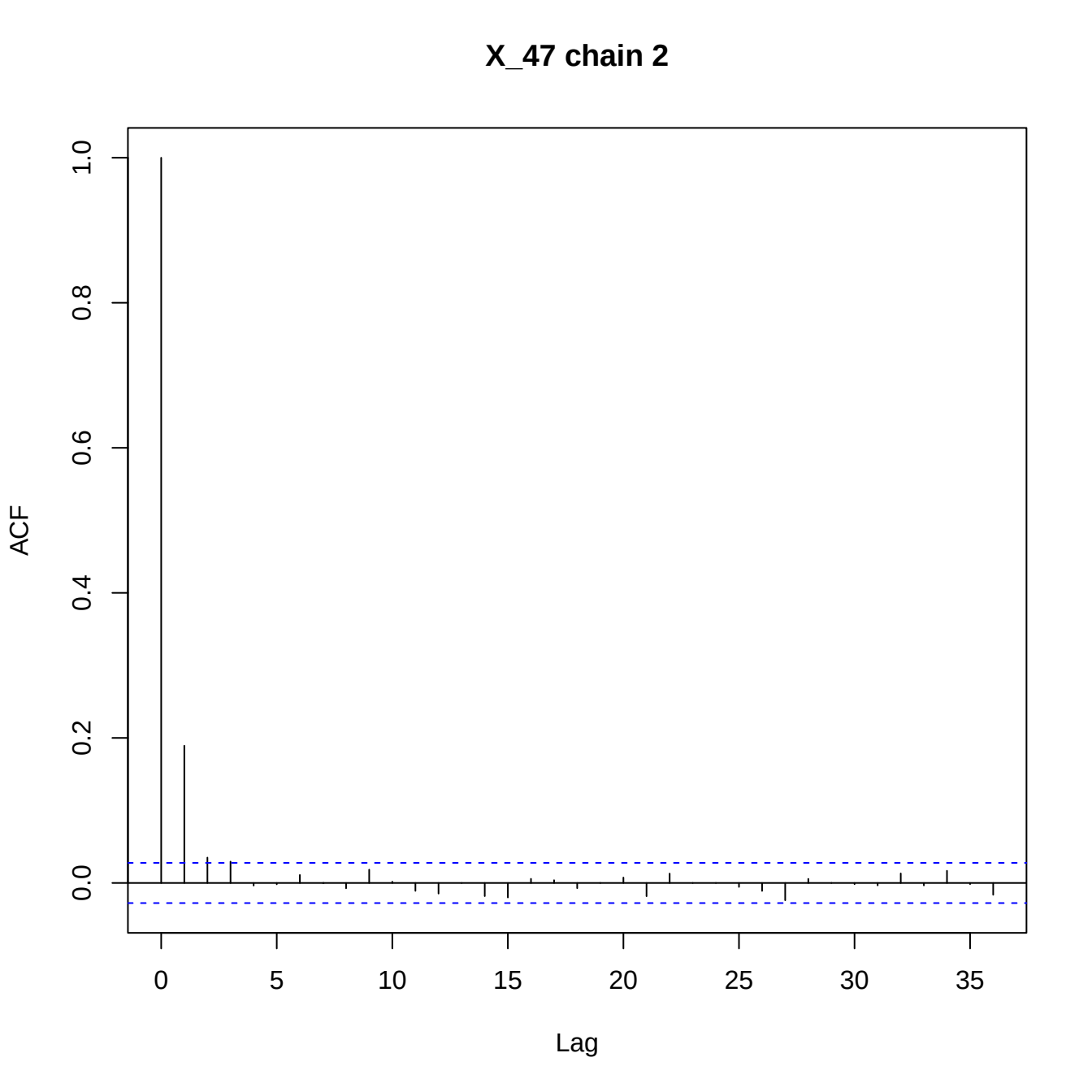
Lag


X_47 chain 2
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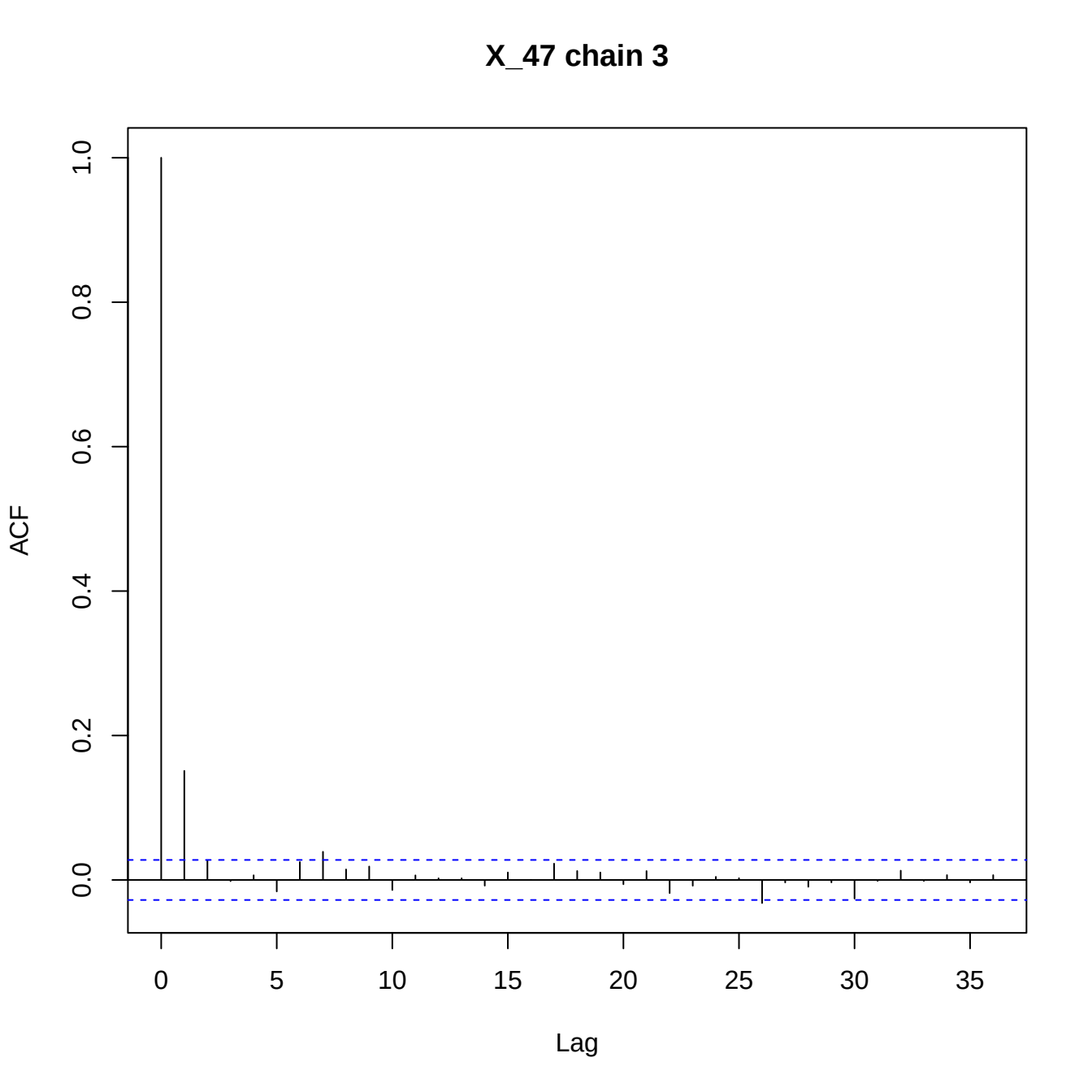
Lag


X_47 chain 3
ACF
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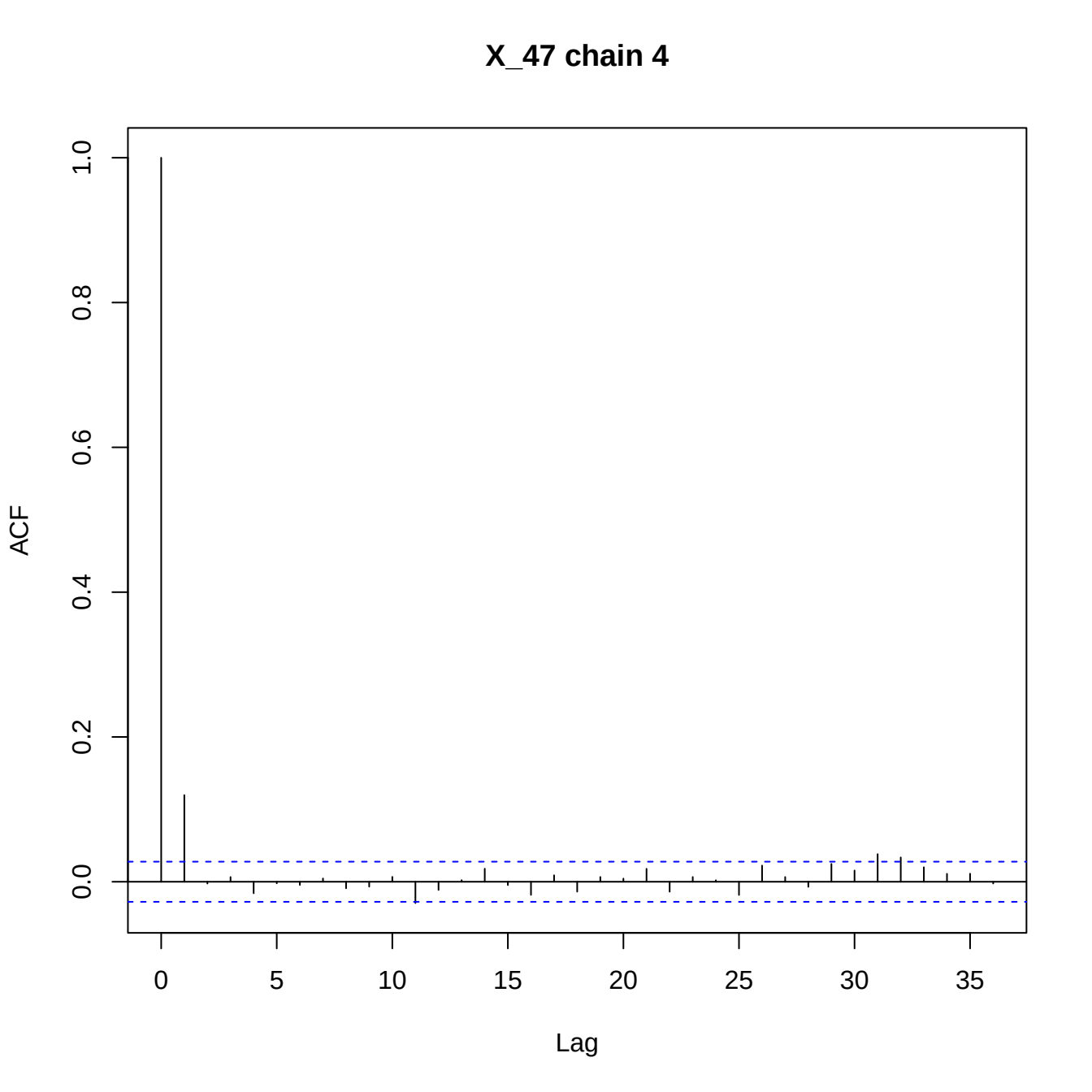
Lag


X_47 chain 4
ACF
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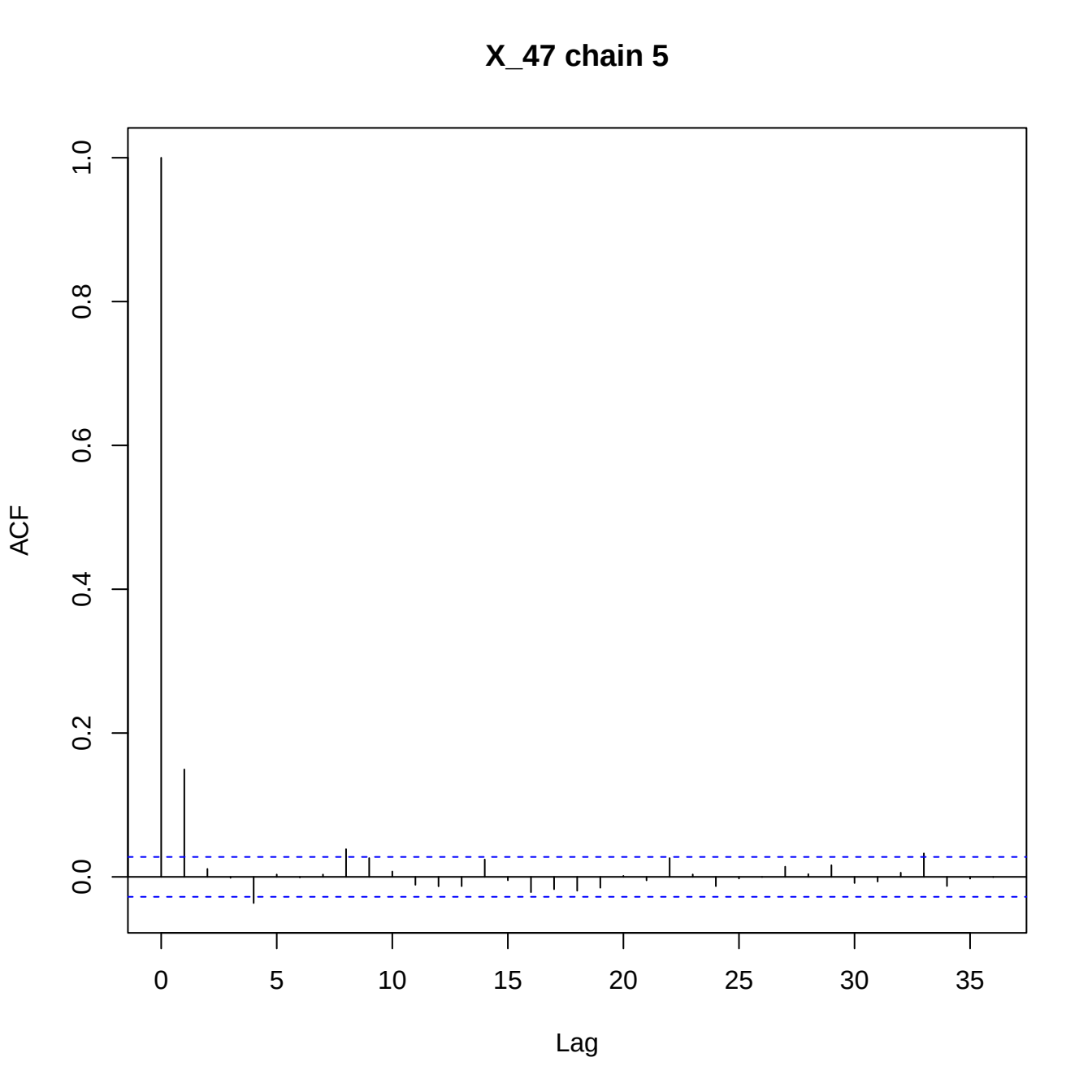
Lag


X_47 chain 5
ACF
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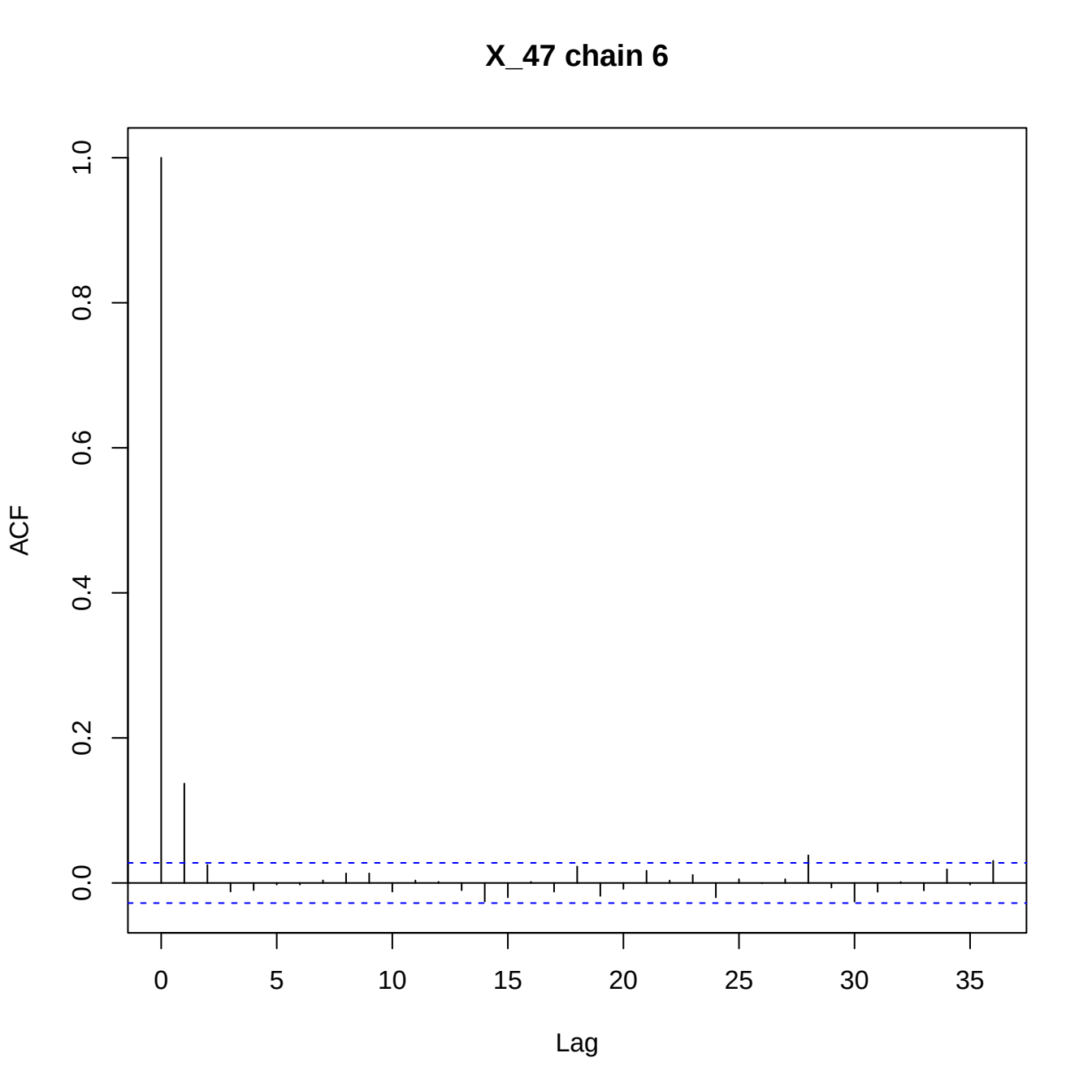
Lag


X_47 chain 6
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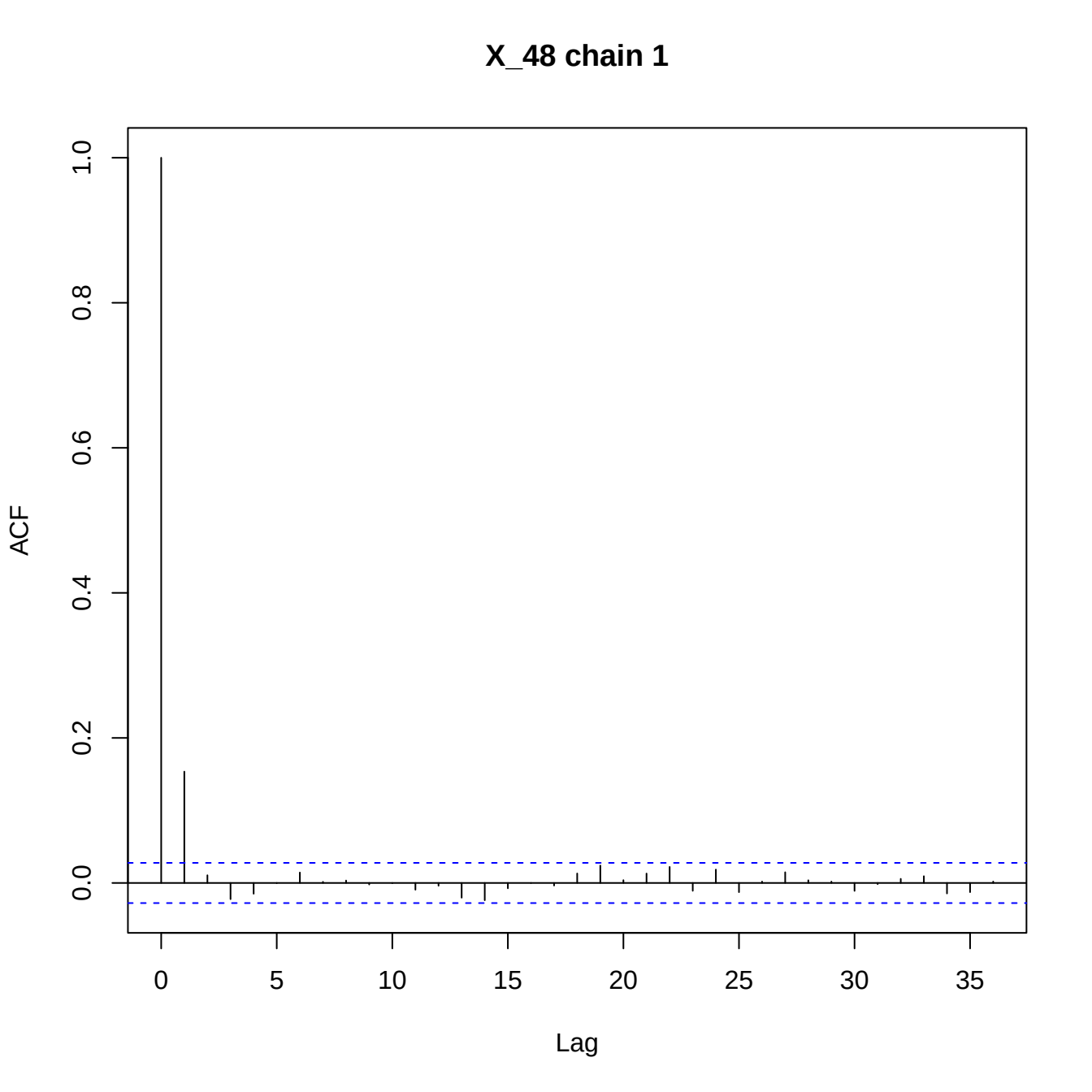
Lag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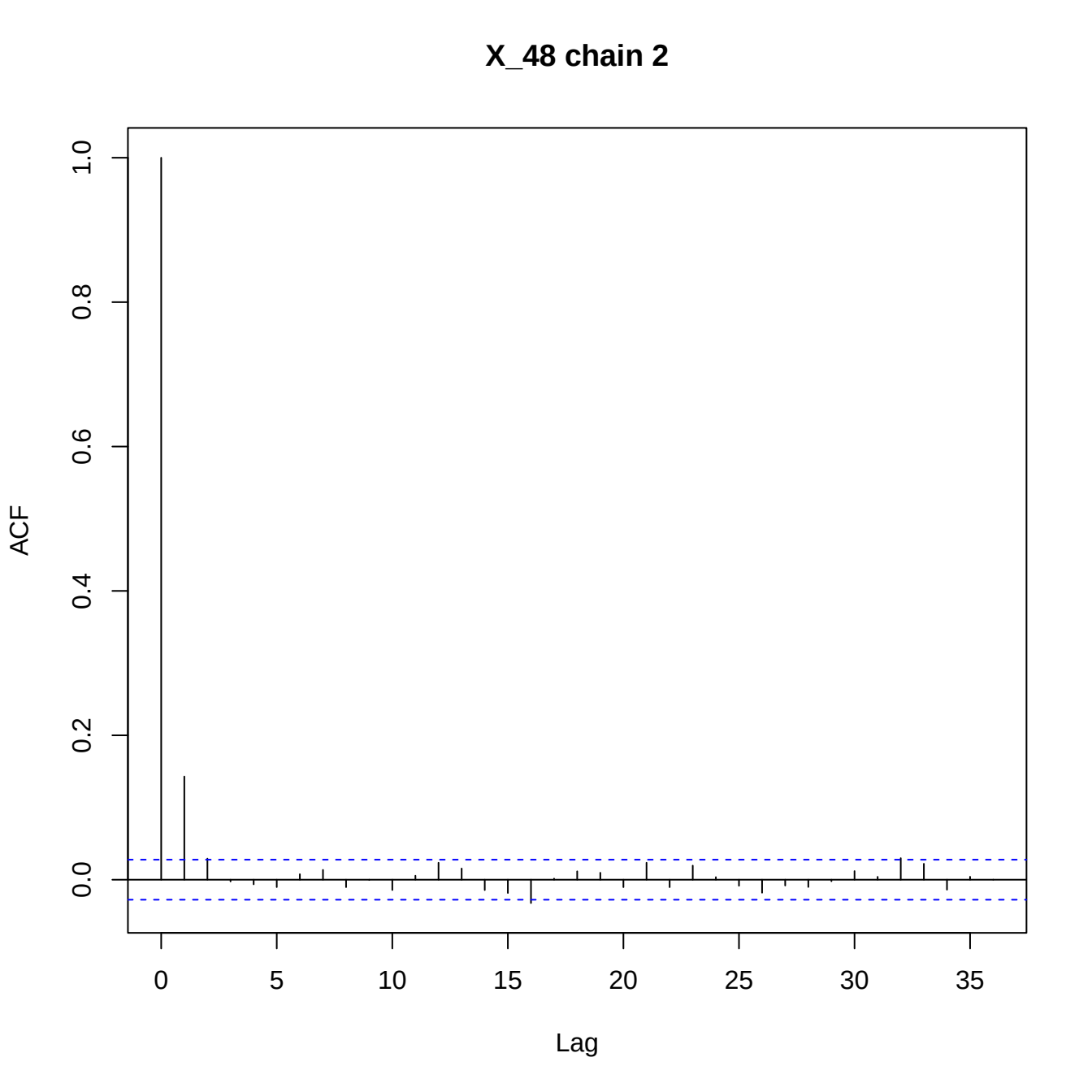
Lag


X_48 chain 2
ACF
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0.2
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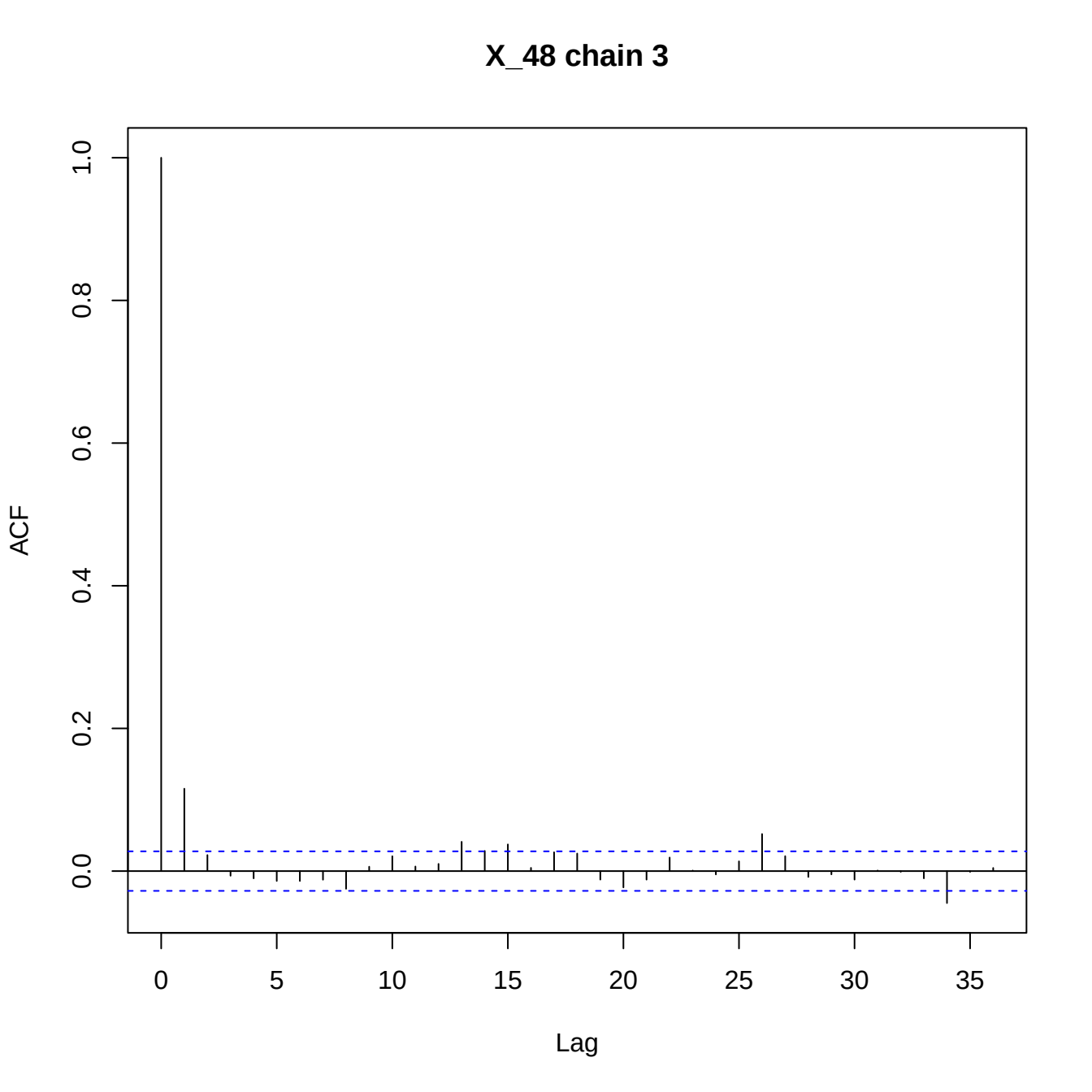
Lag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ACF
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0.4
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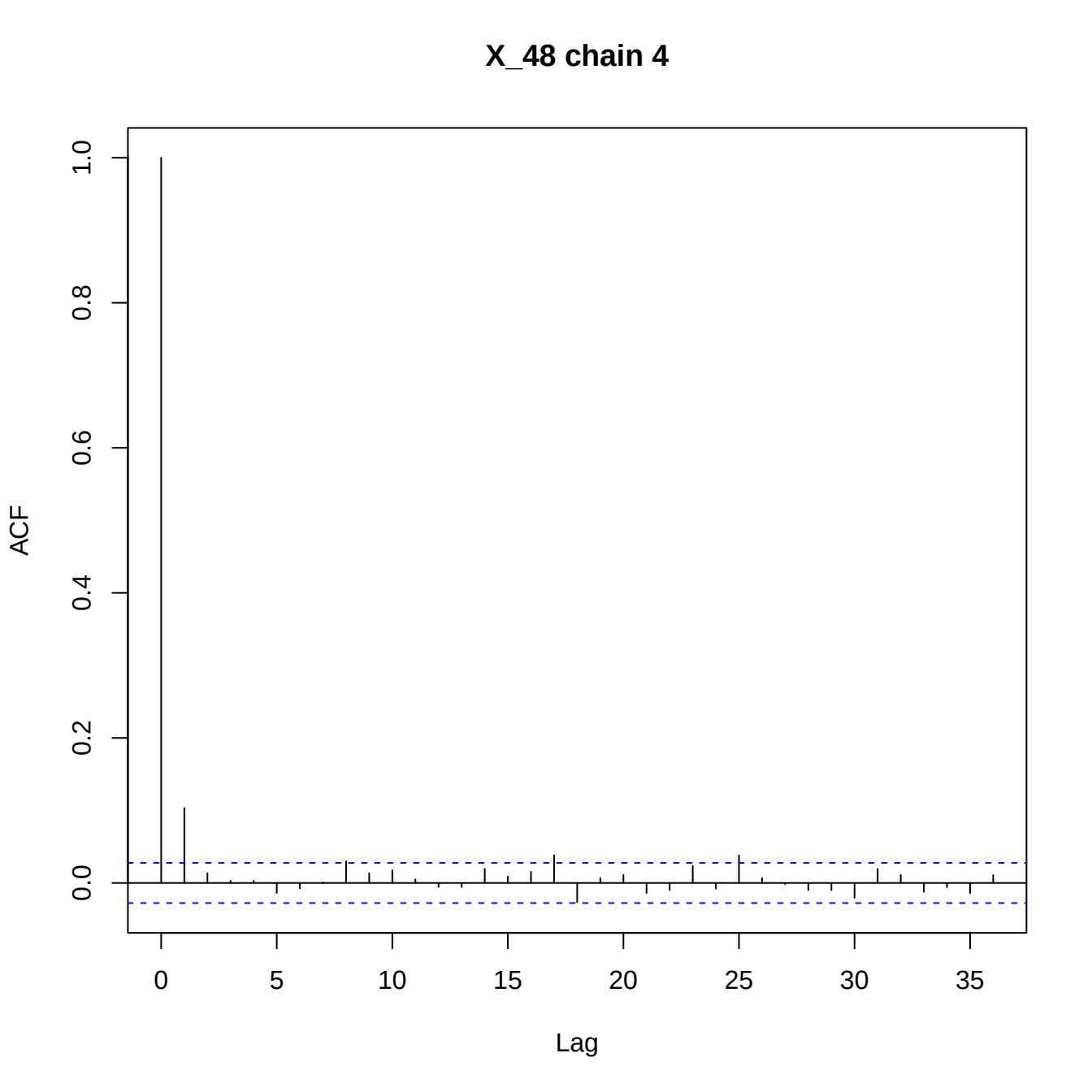
Lag


X_48 chain 4
ACF
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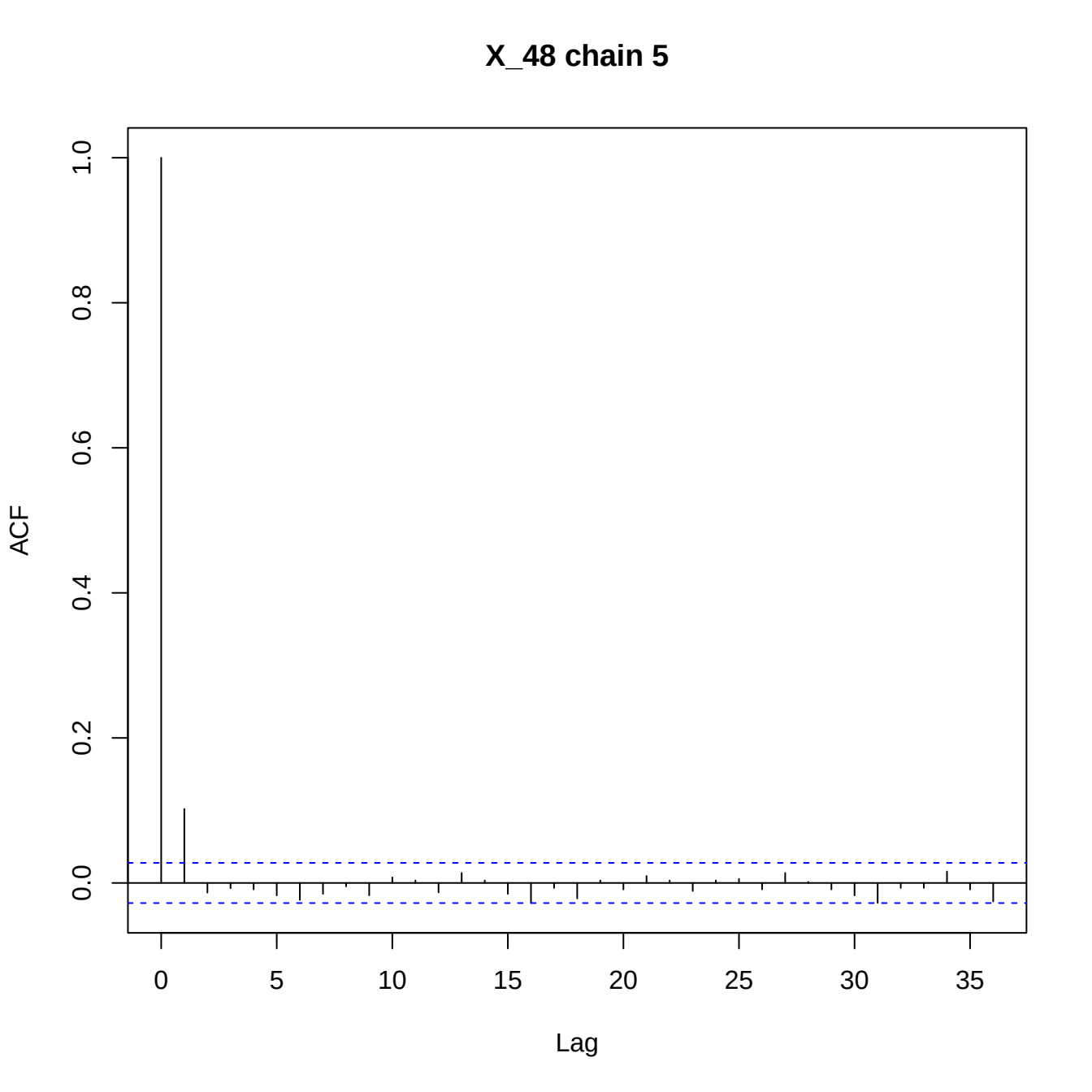
Lag


X_48 chain 5
ACF
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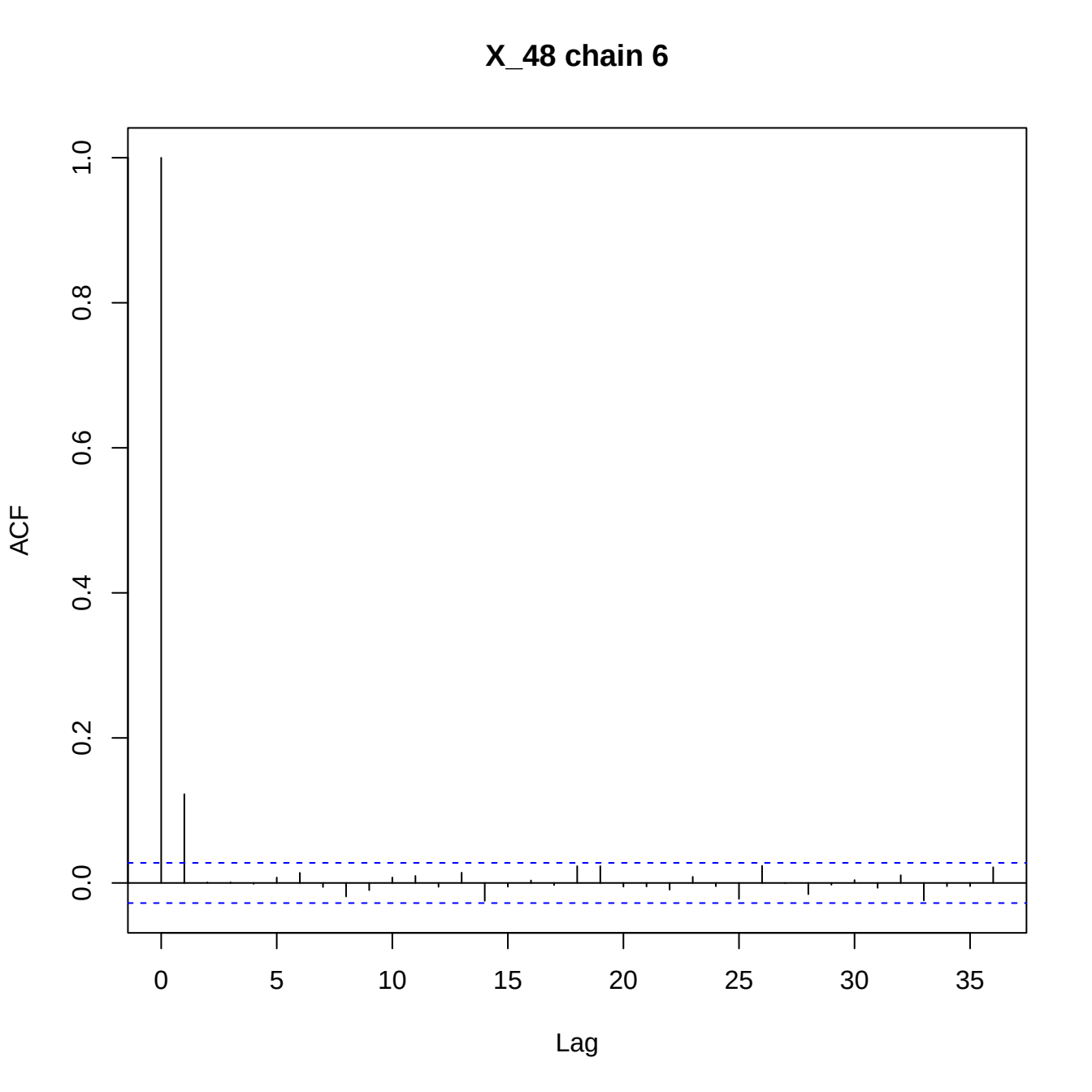
Lag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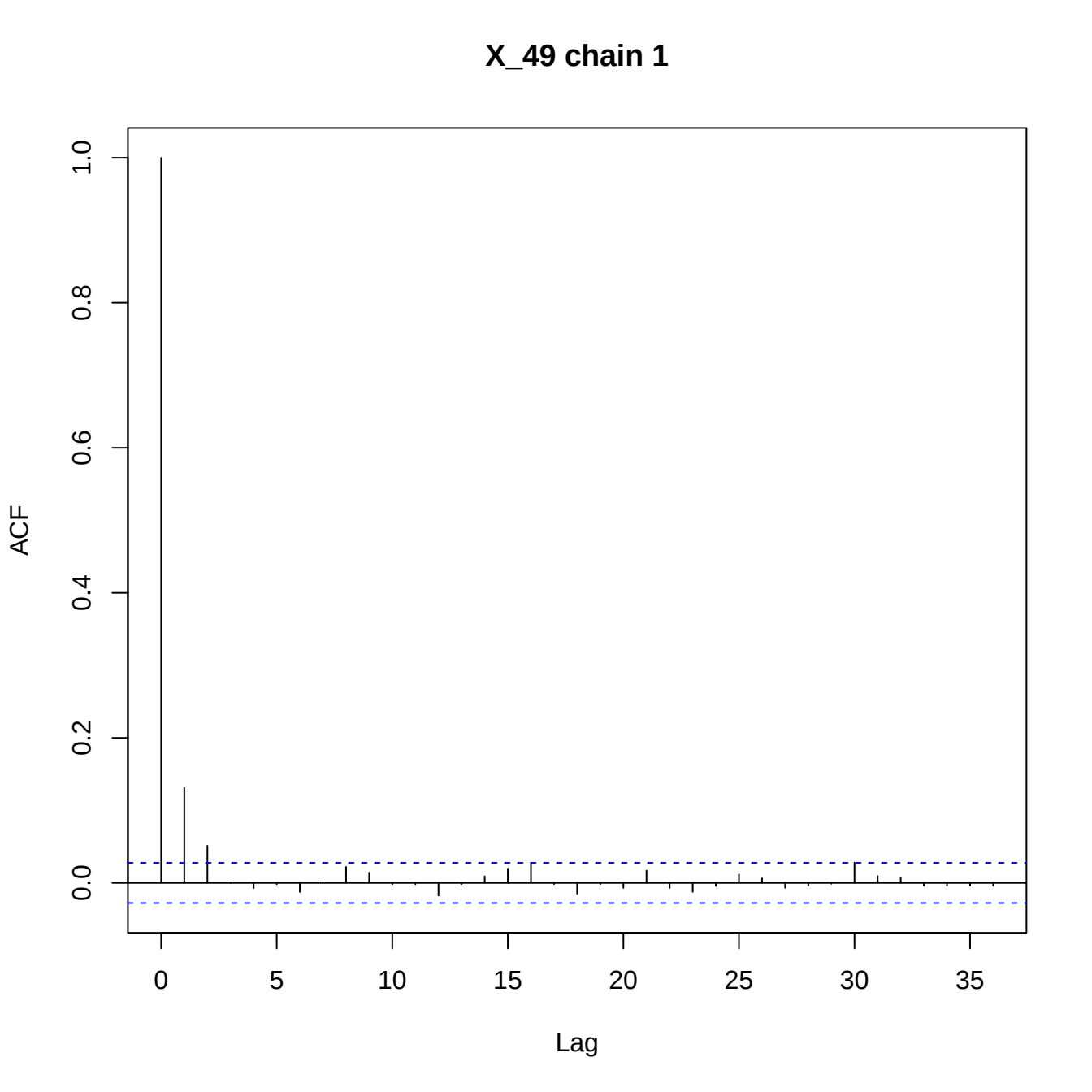
Lag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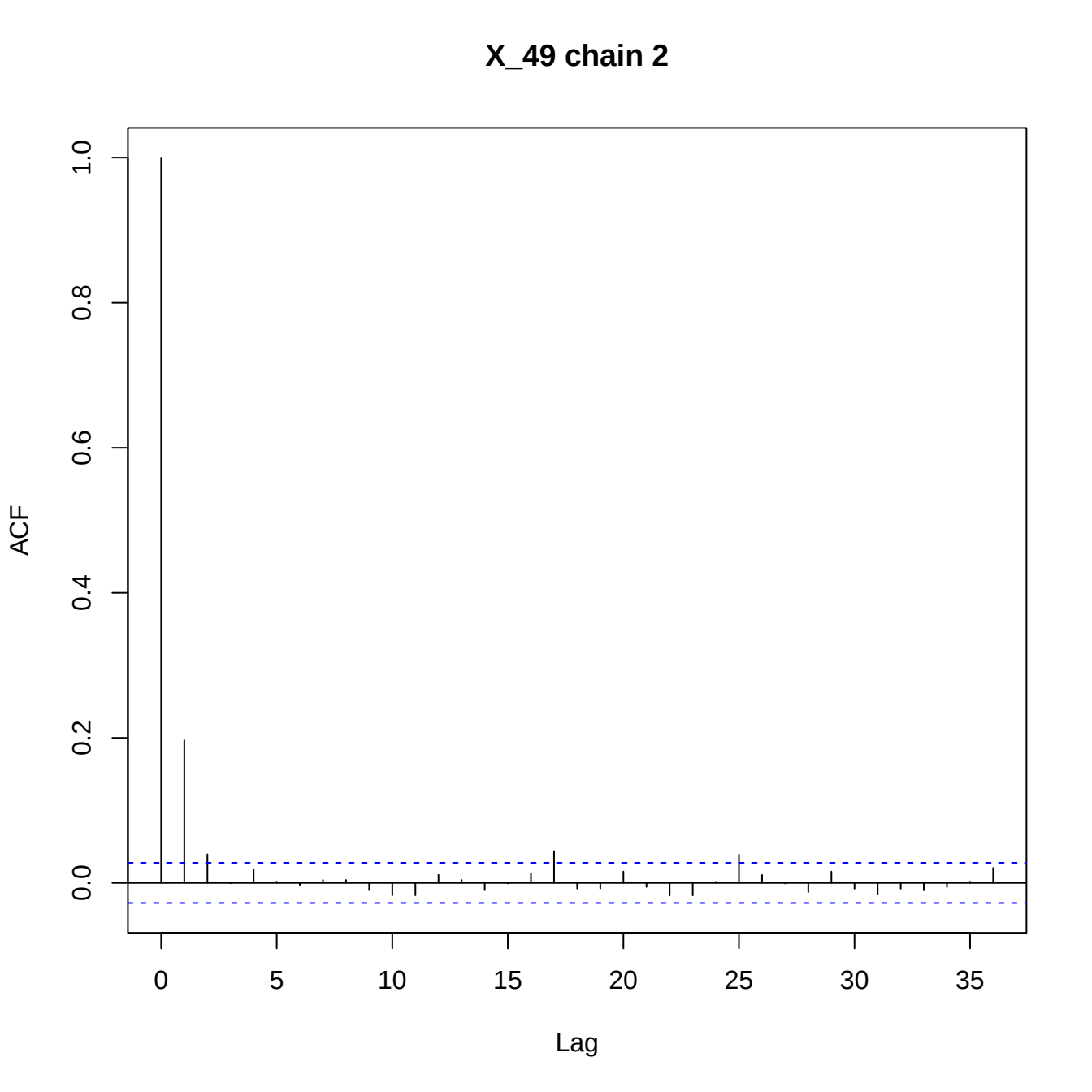
Lag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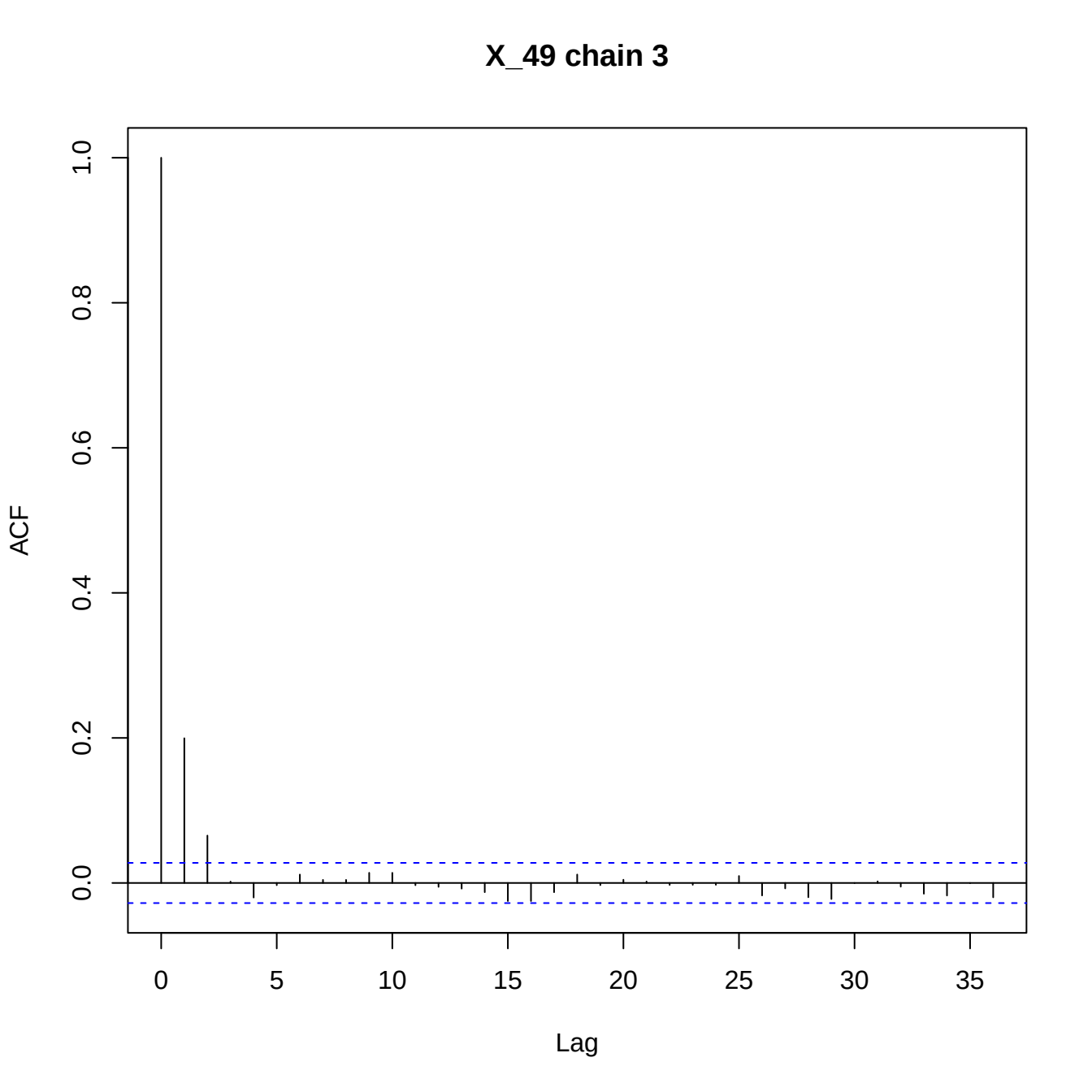
Lag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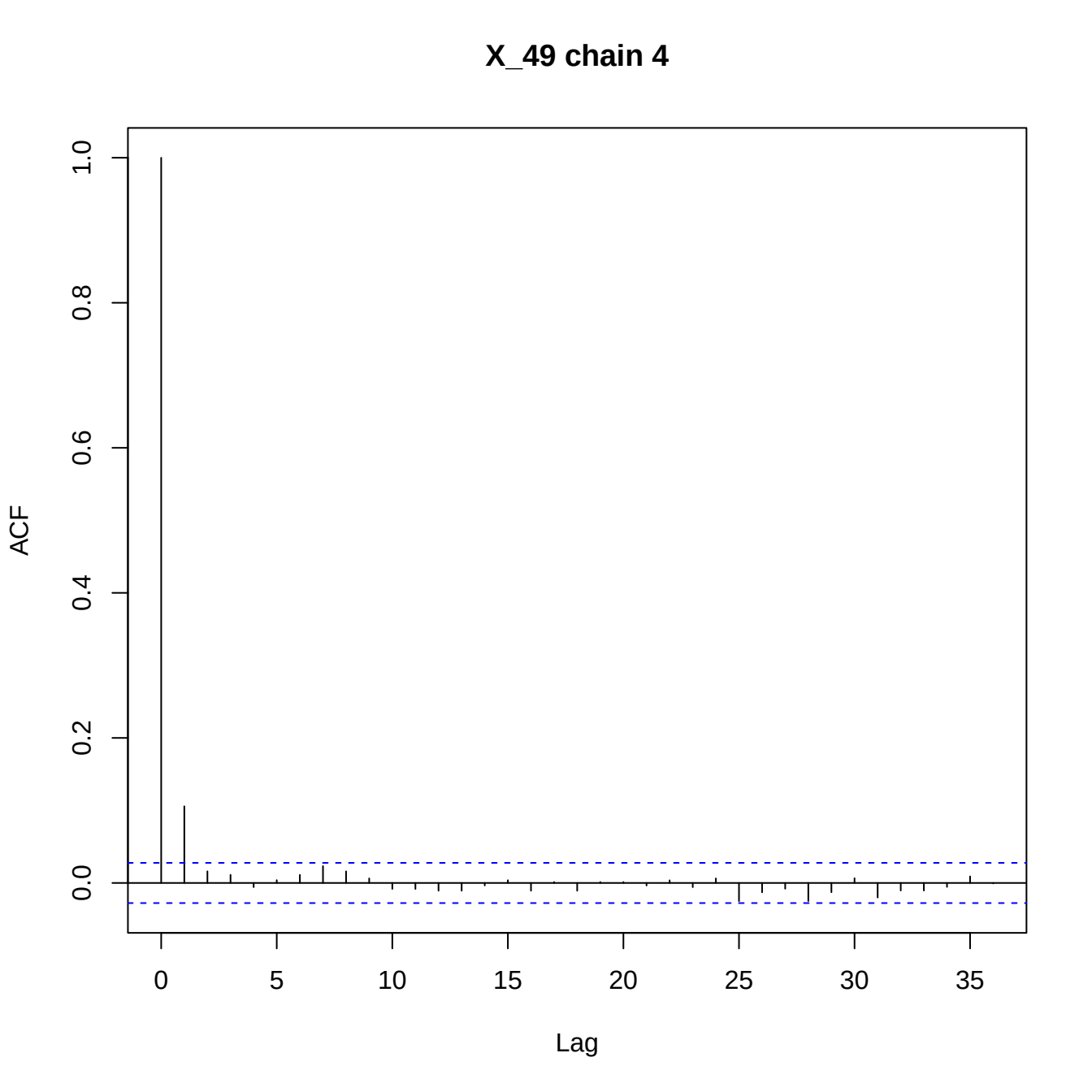
Lag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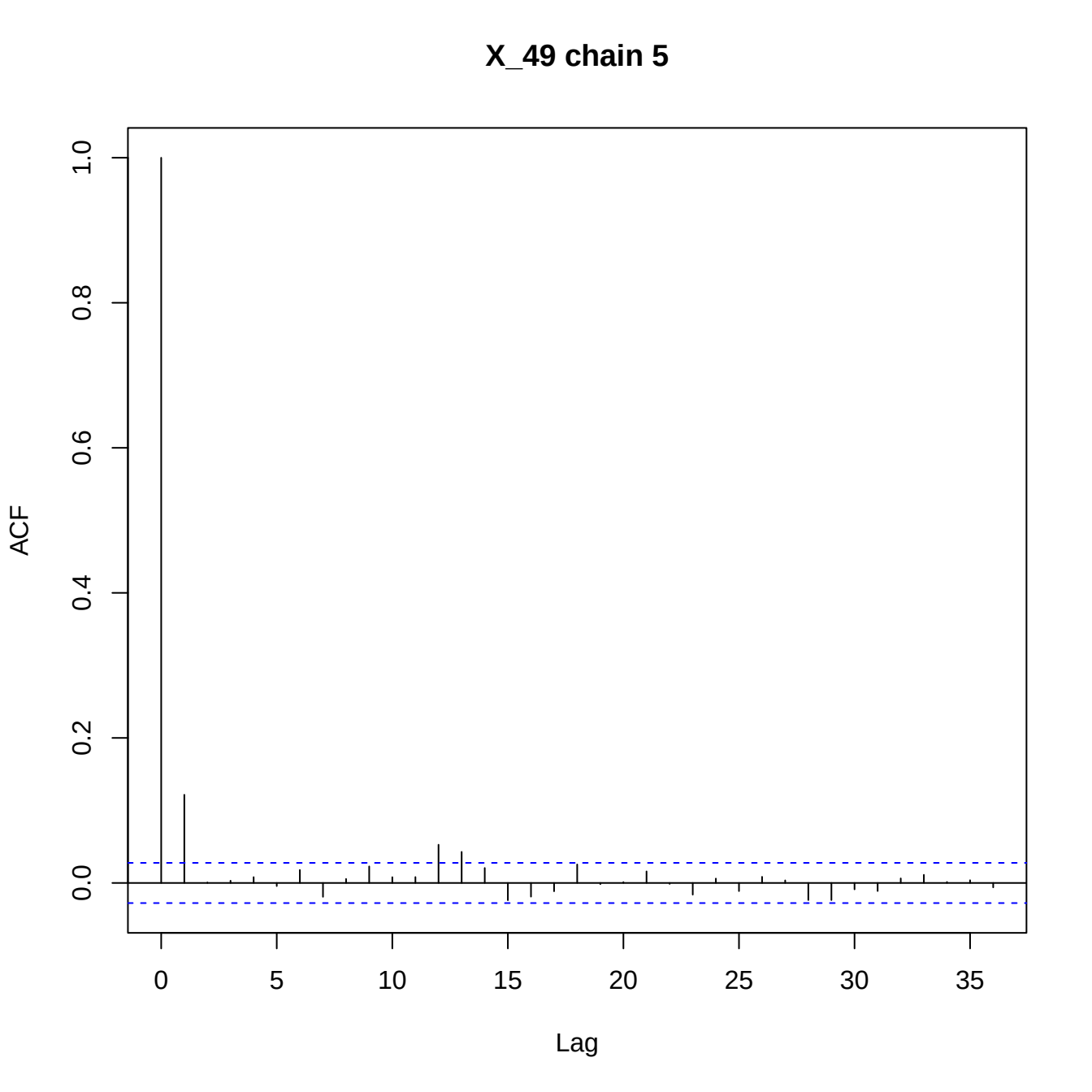
Lag


X_49 chain 5
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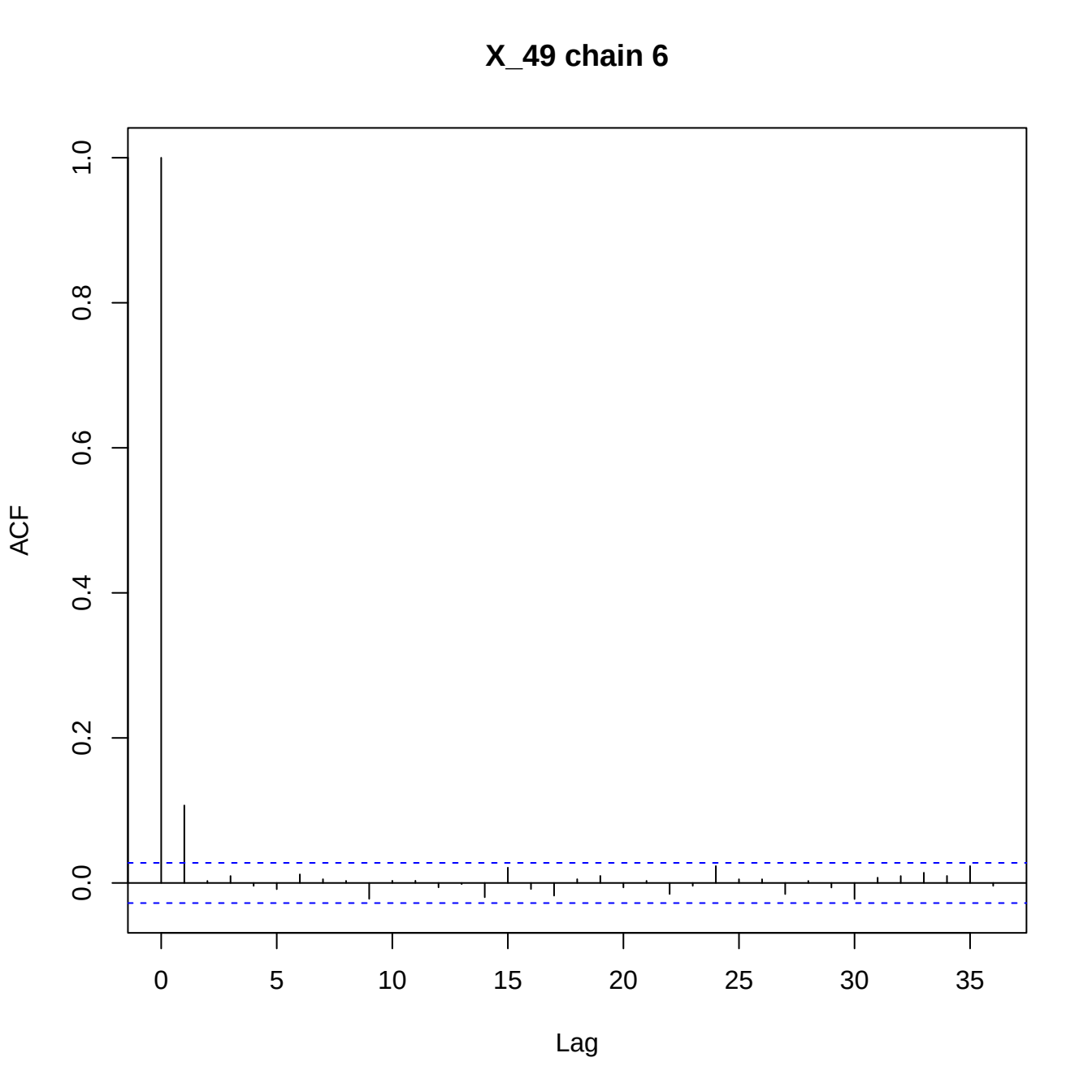
Lag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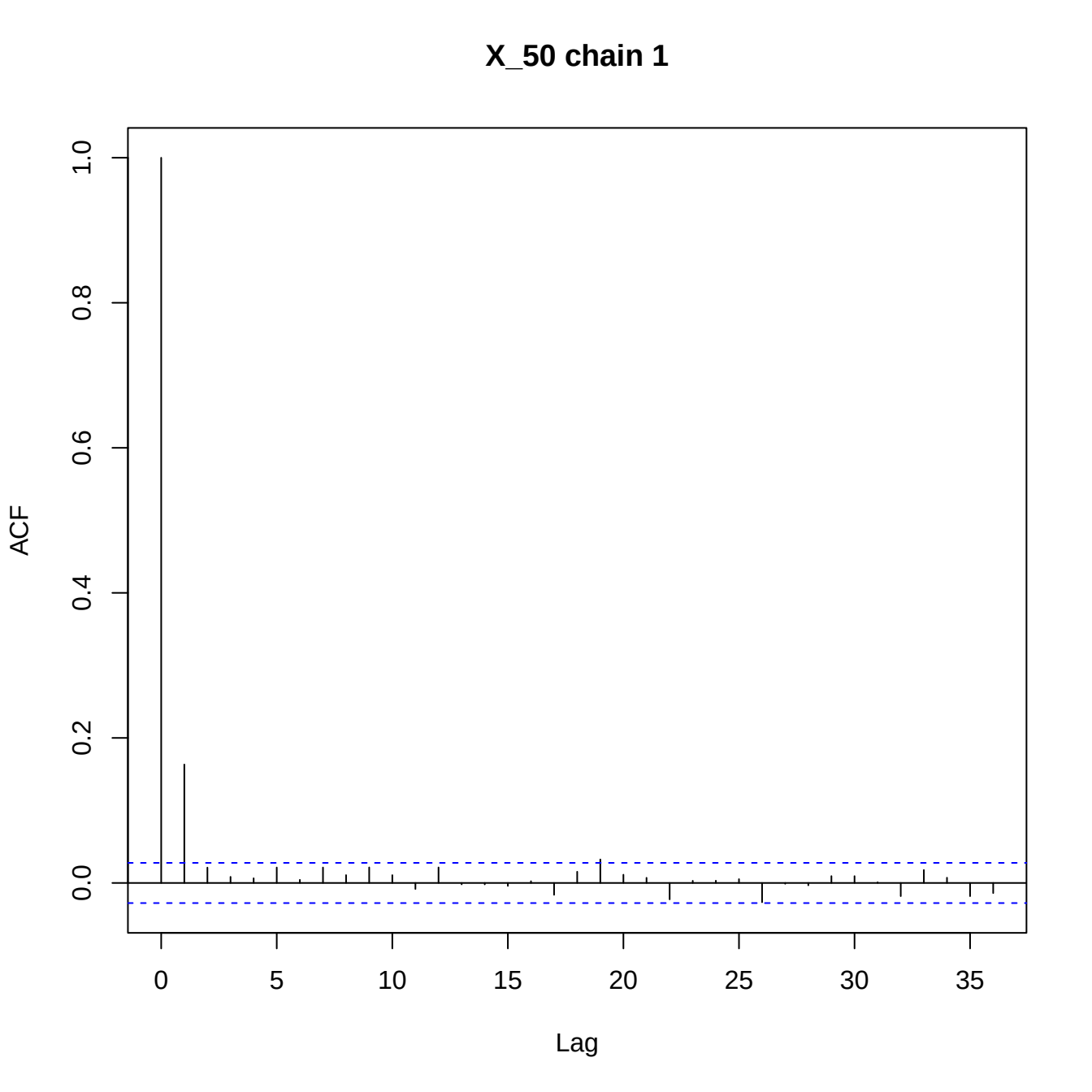
Lag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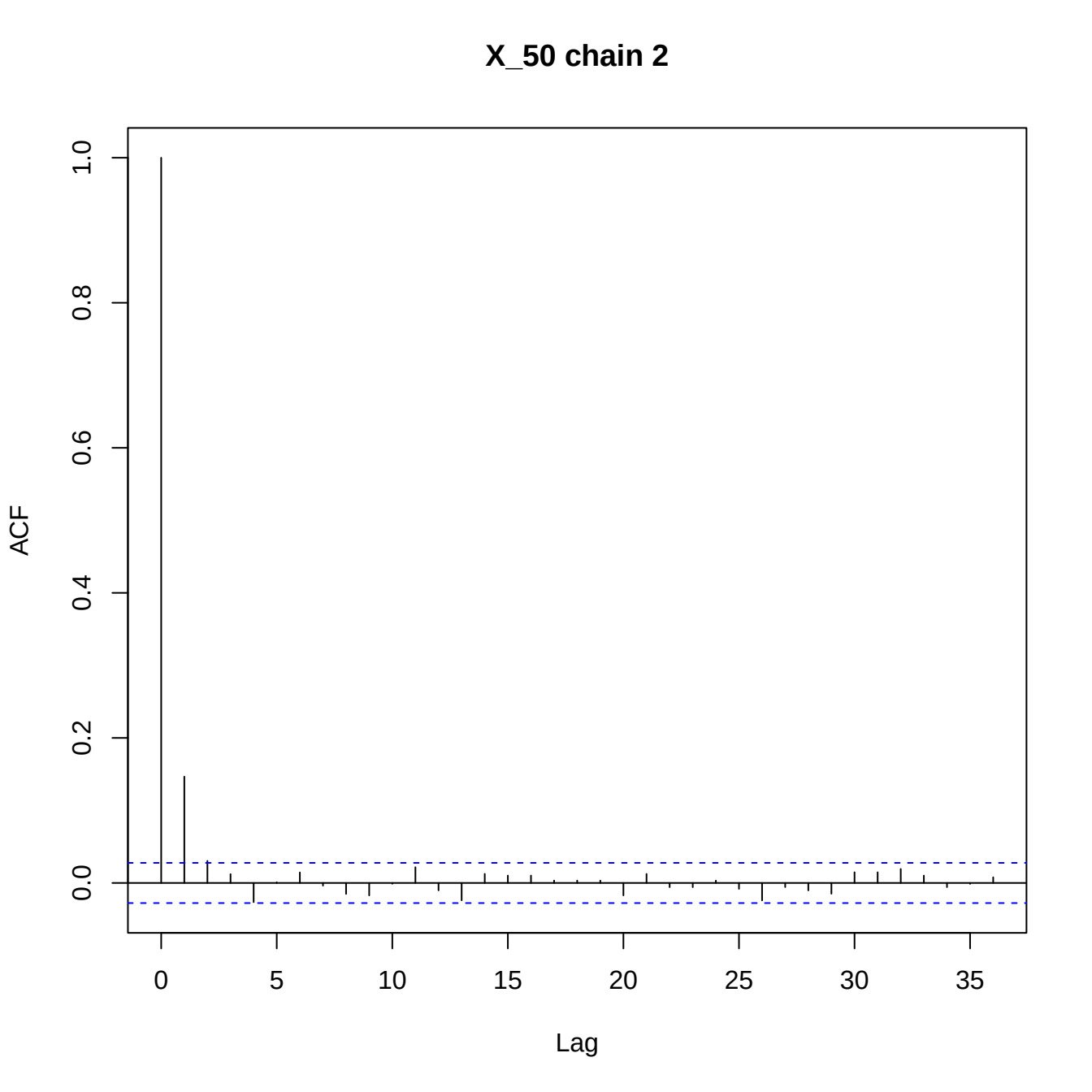
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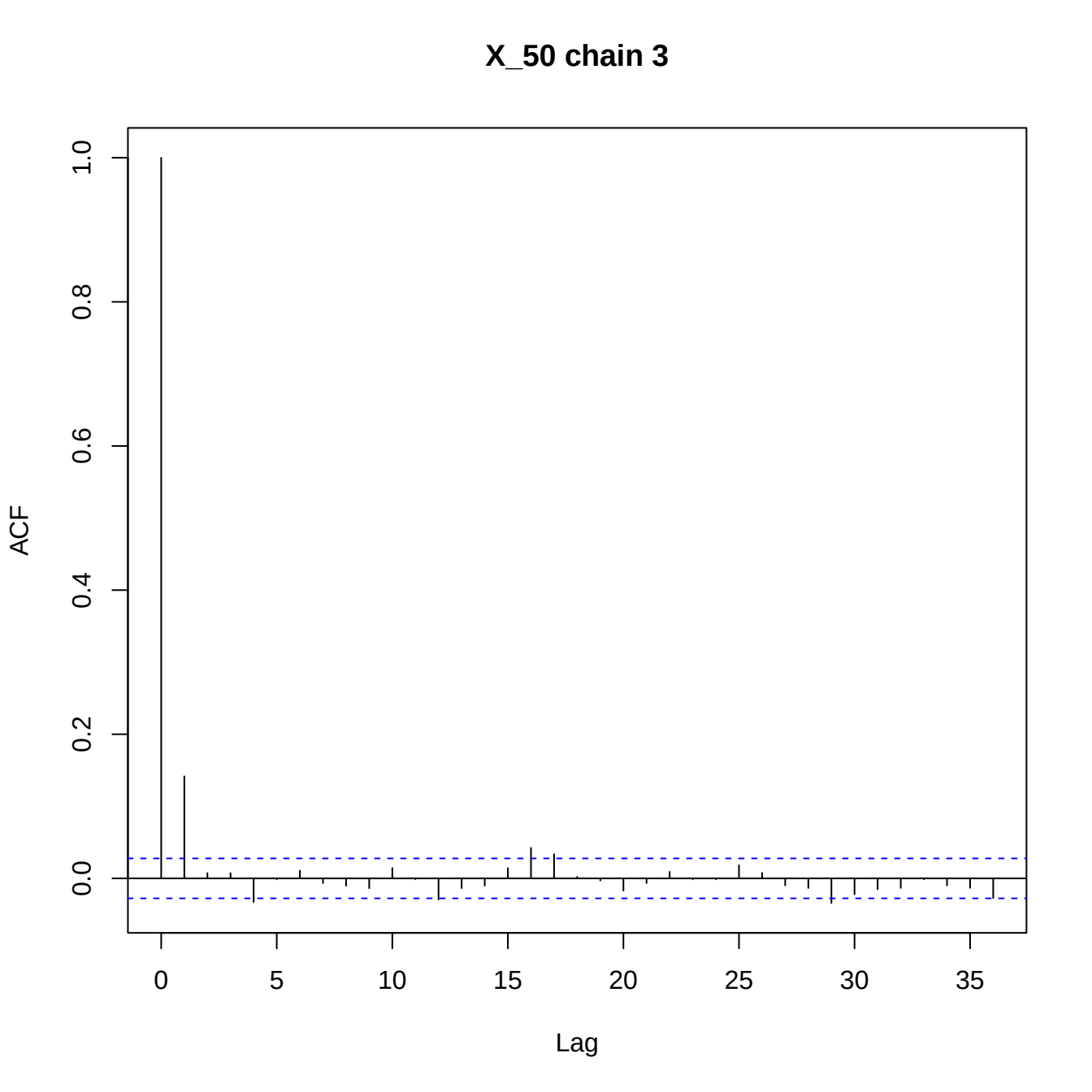
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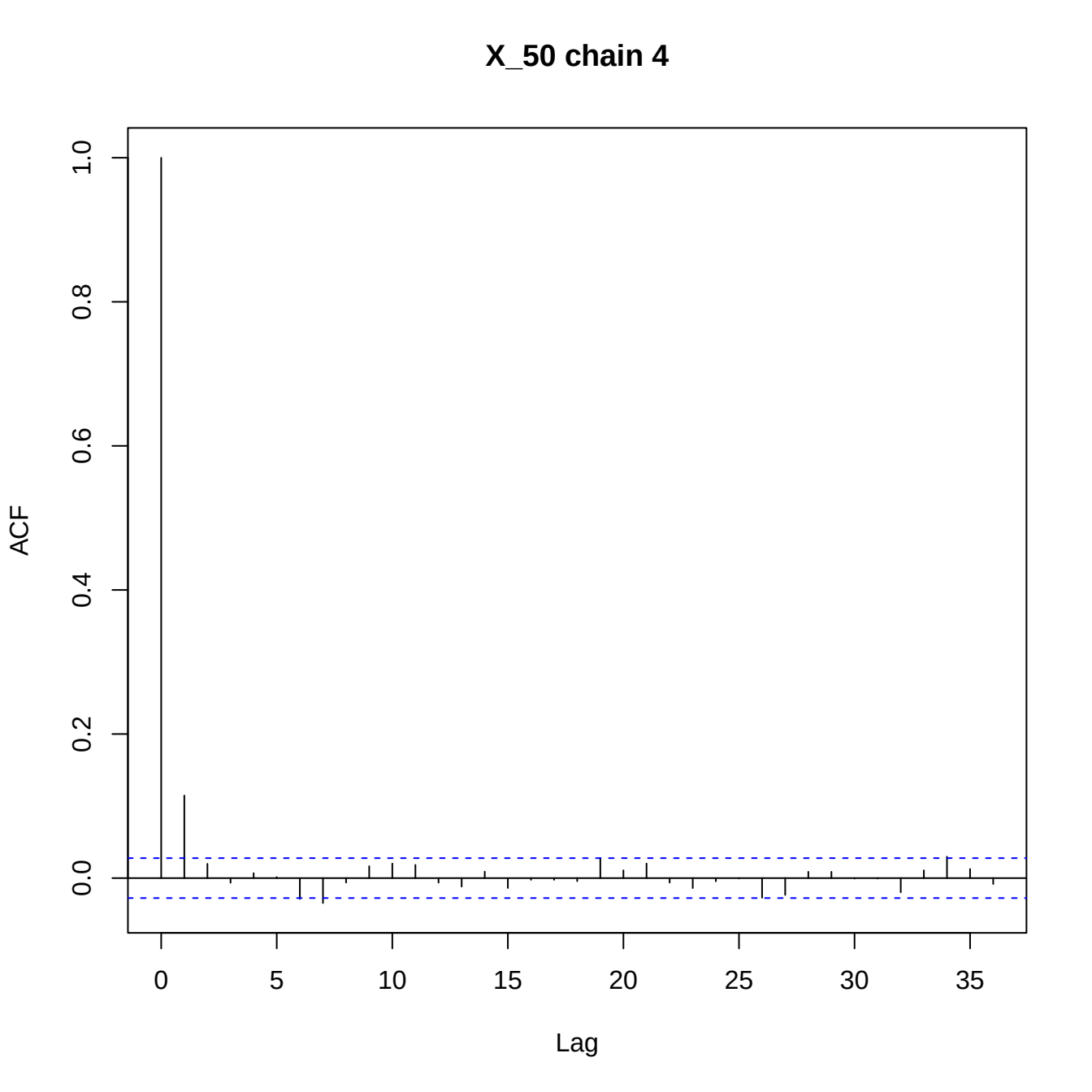
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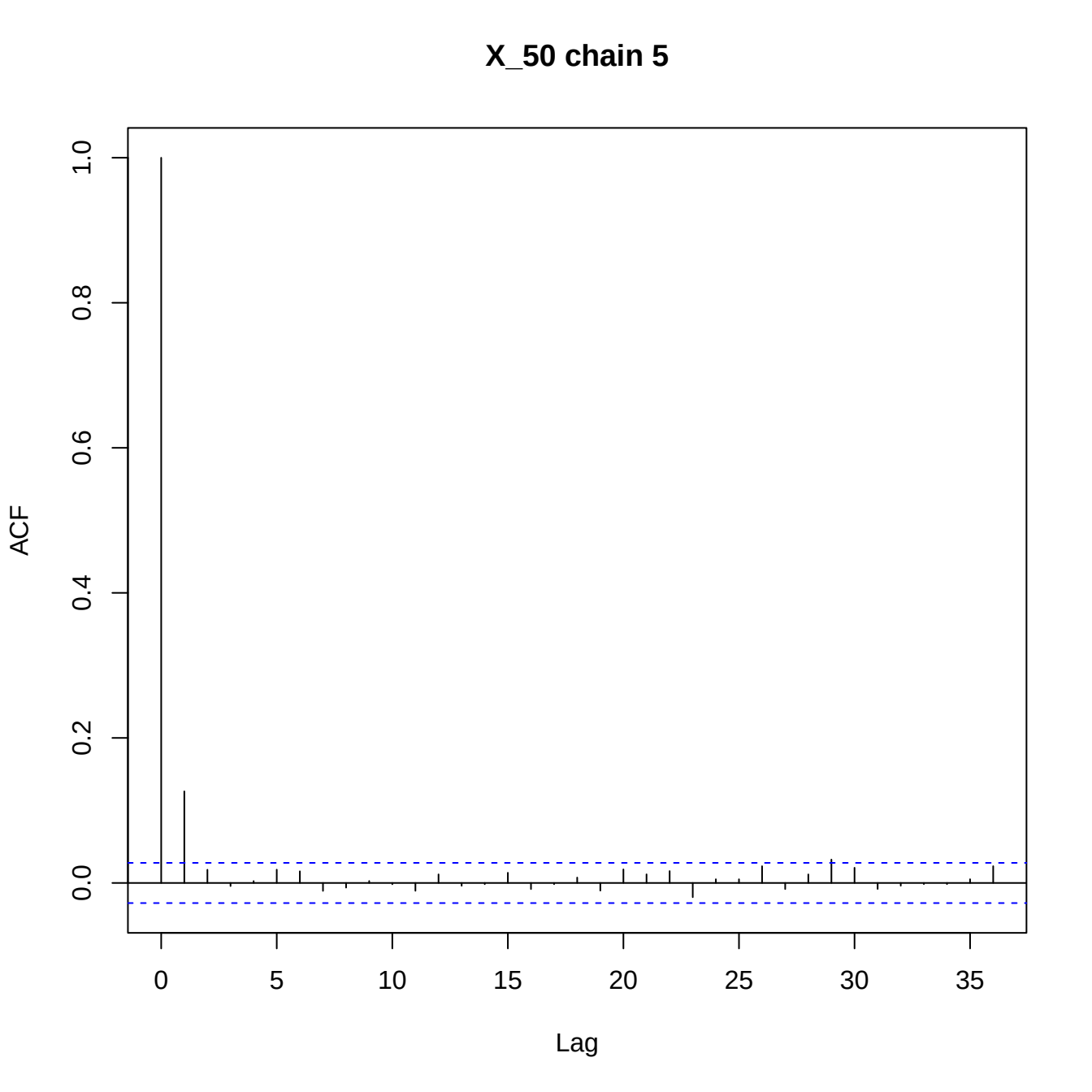
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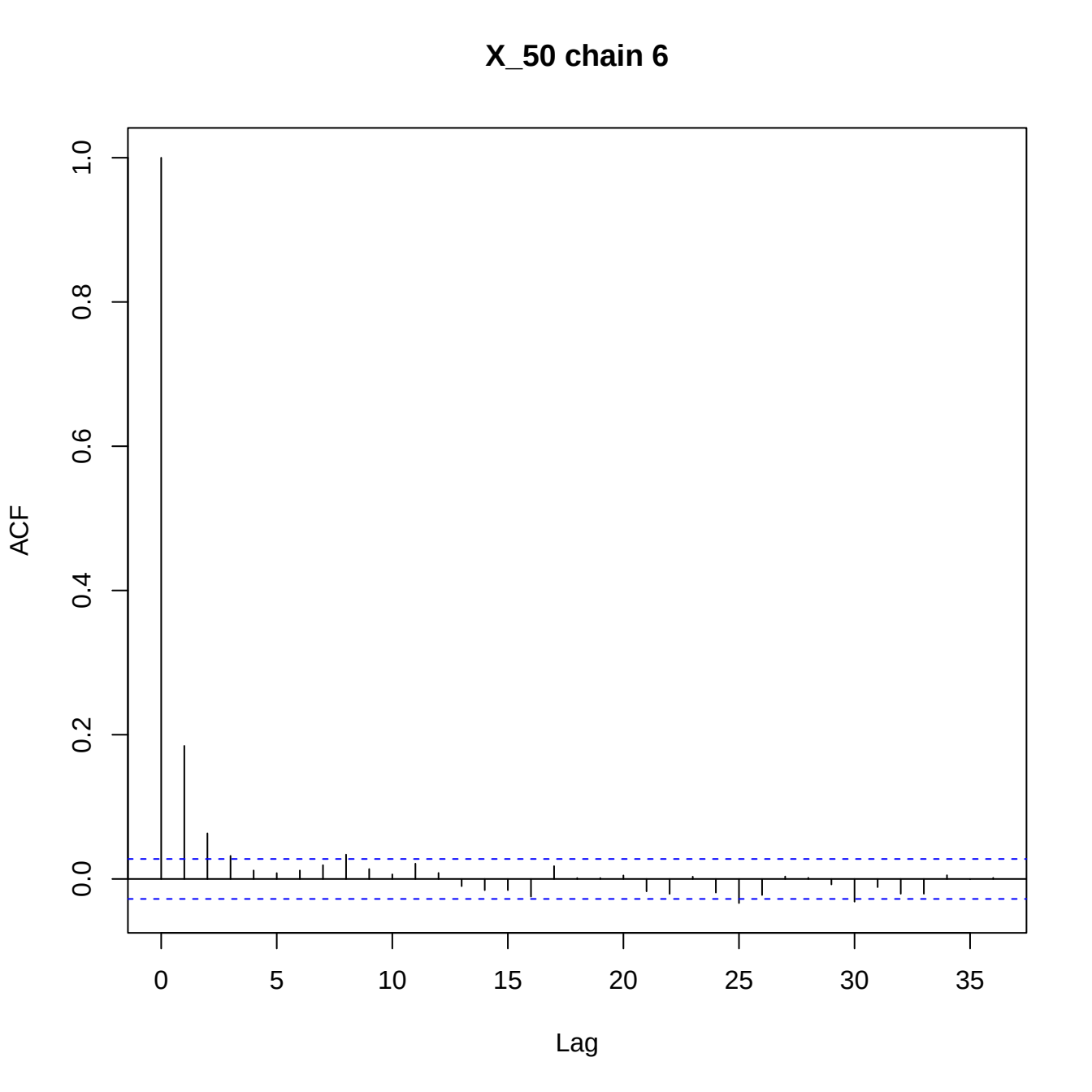
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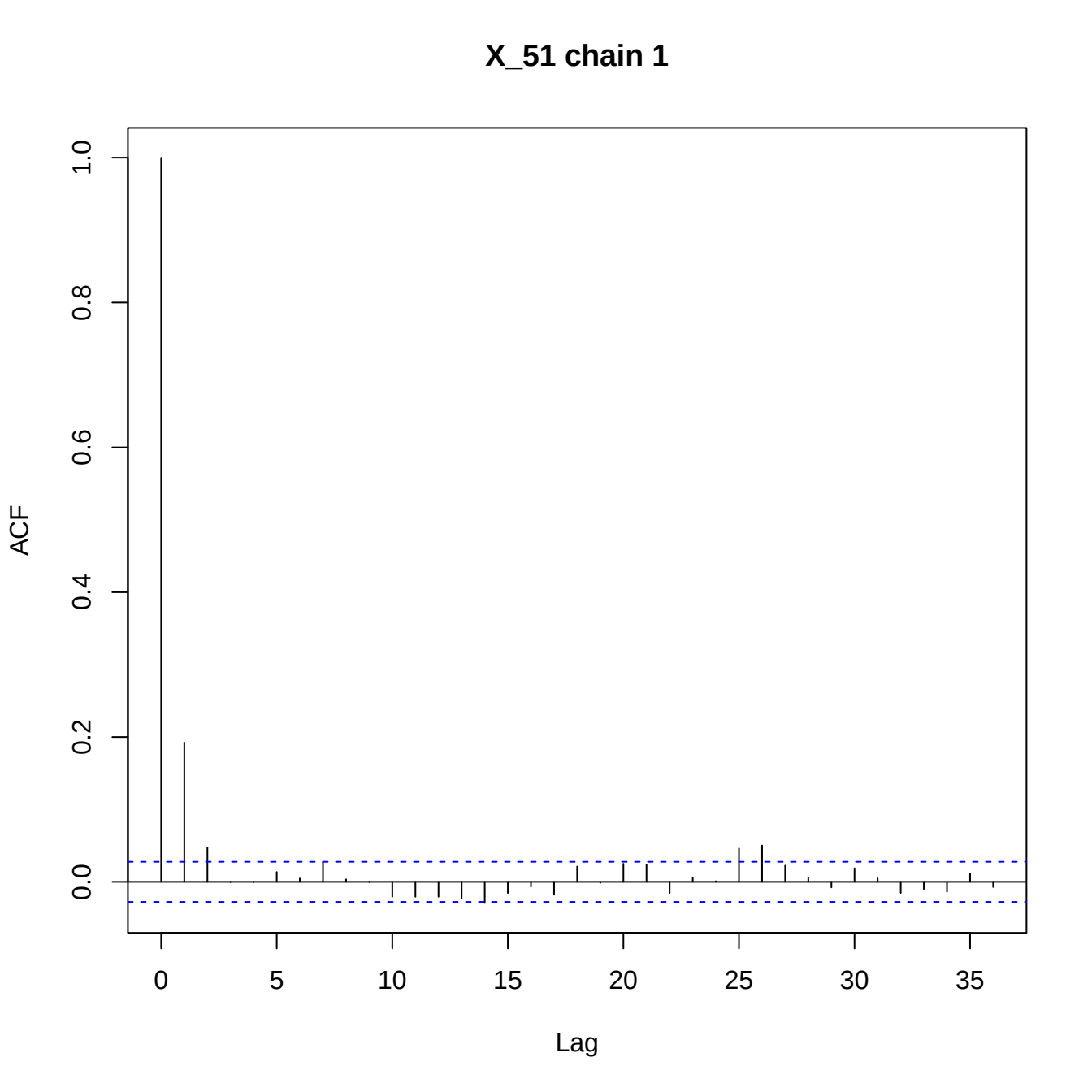
Lag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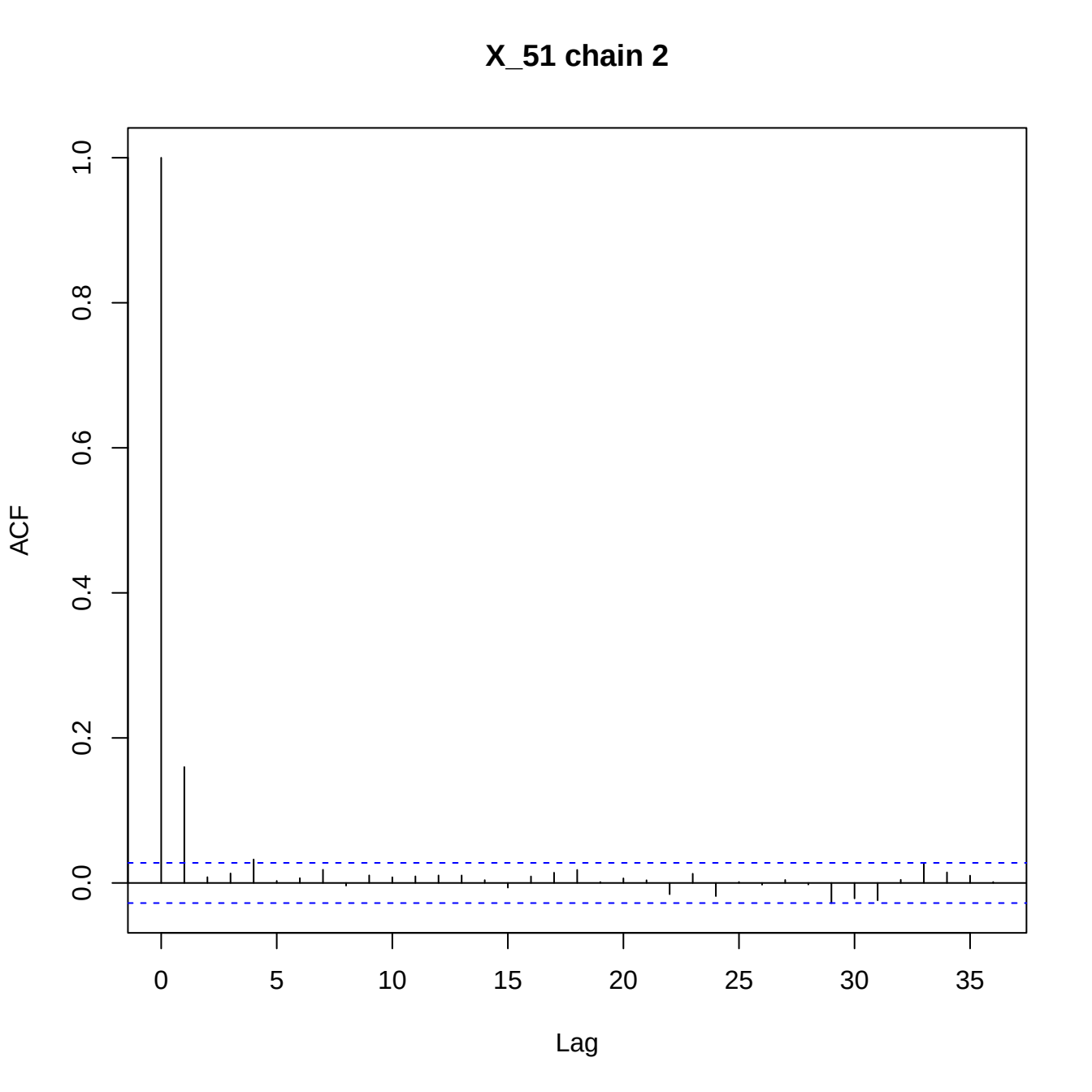
Lag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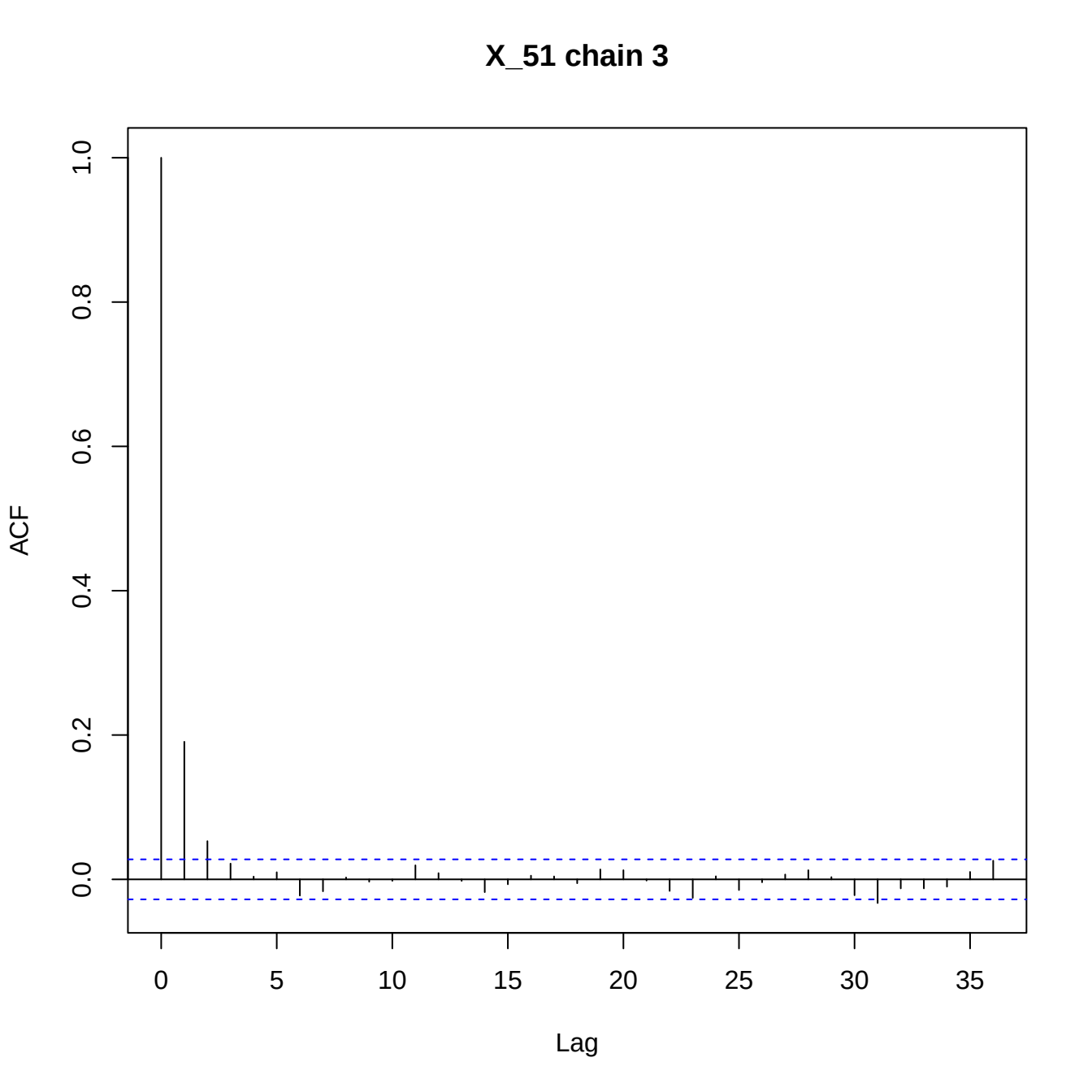
Lag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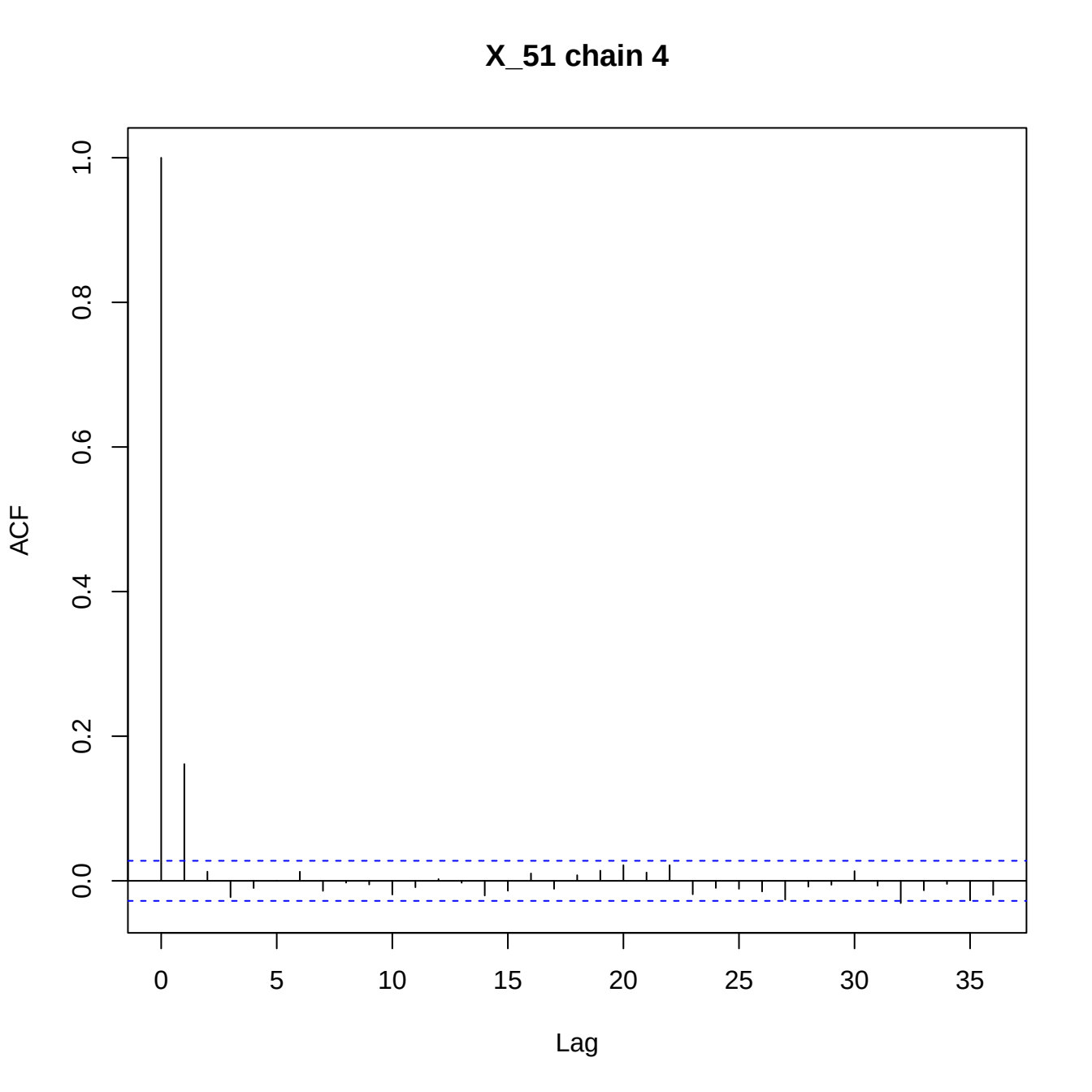
Lag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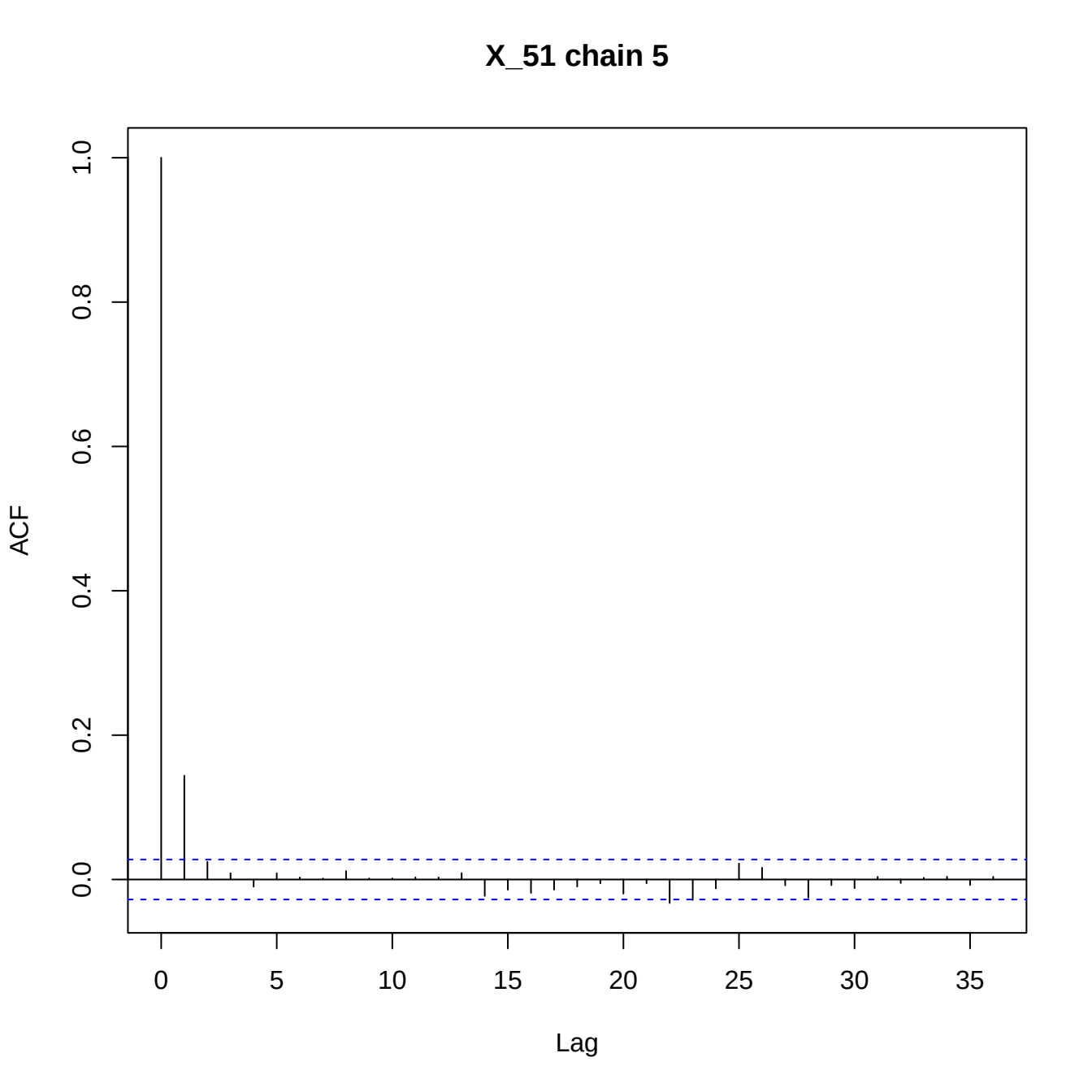
Lag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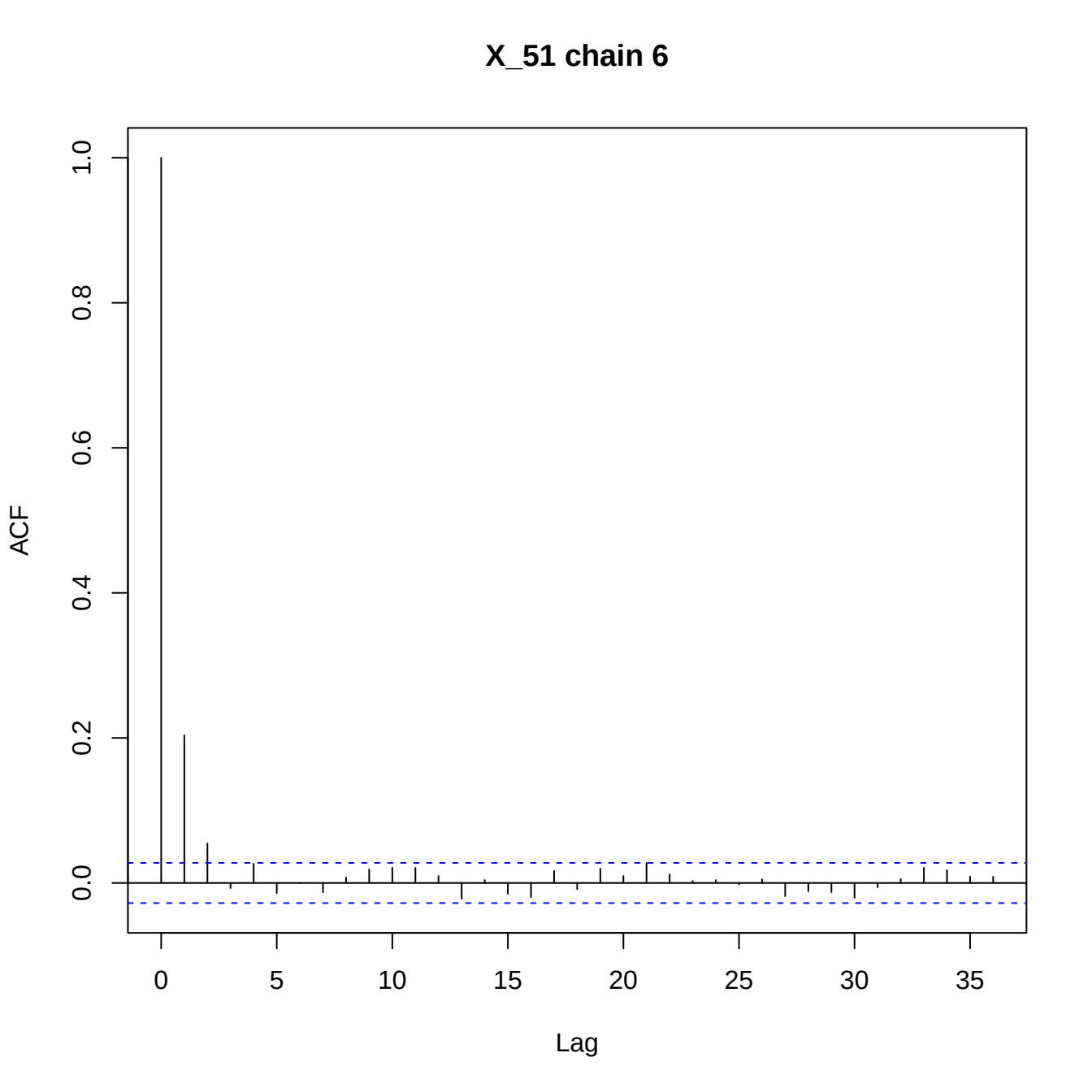
Lag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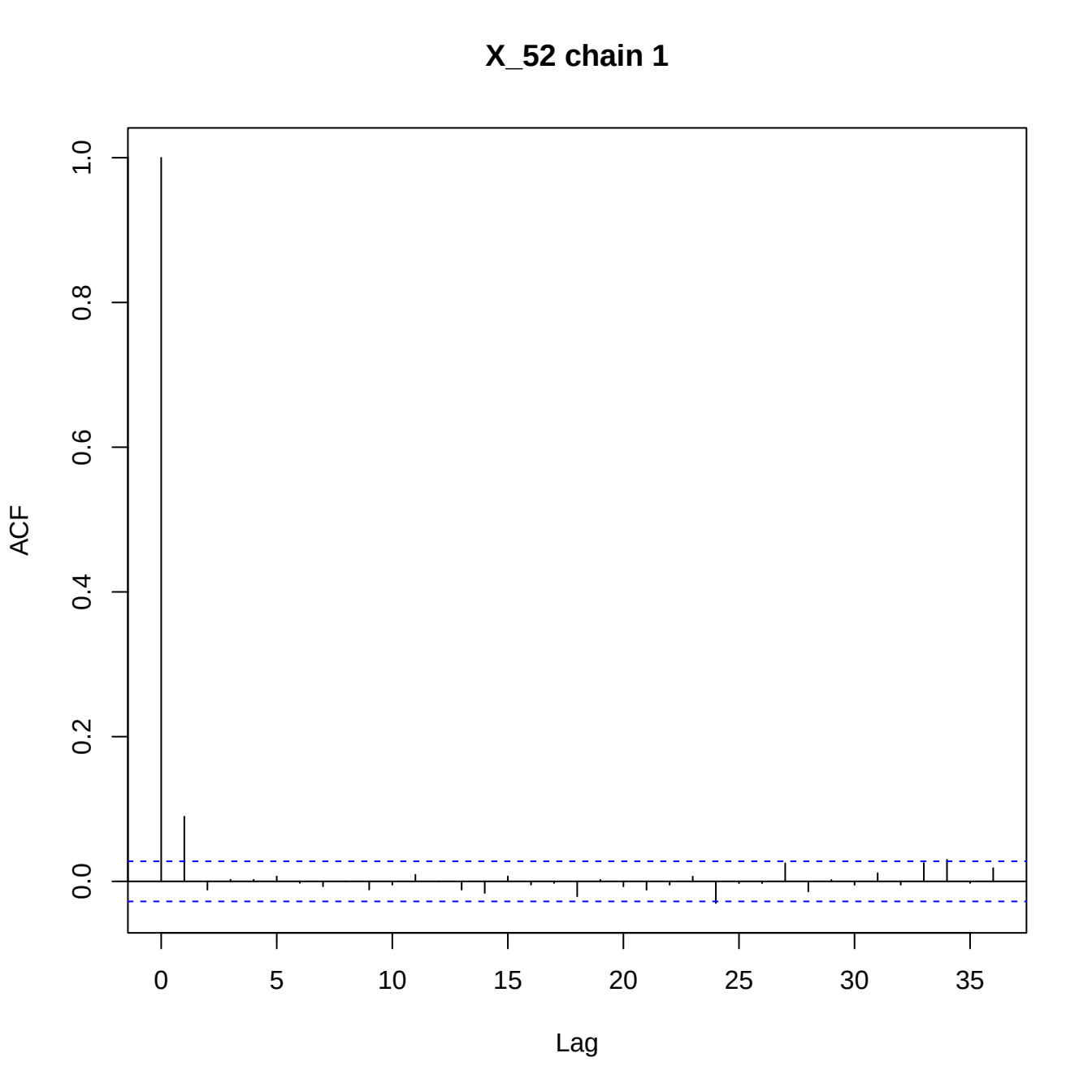
Lag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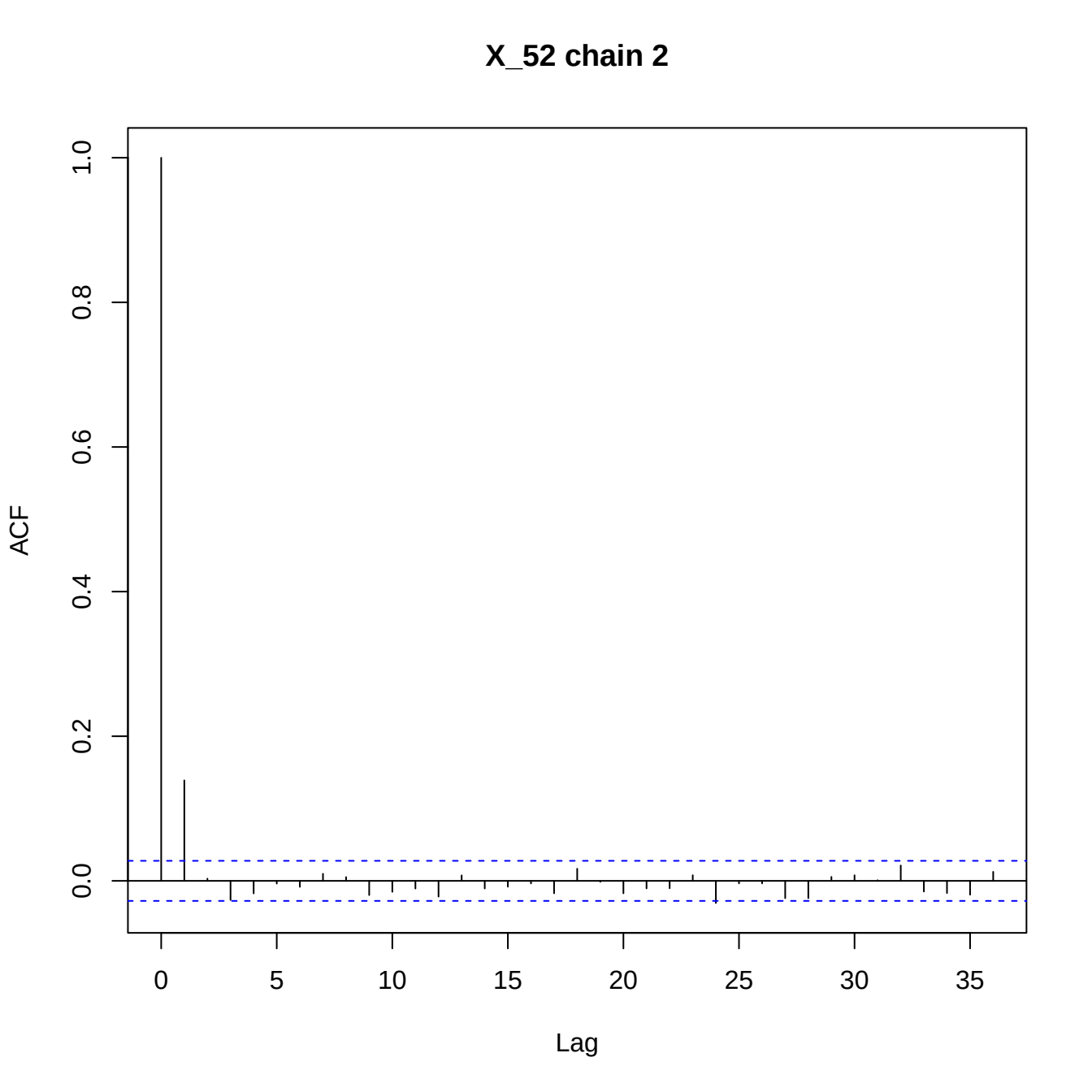
Lag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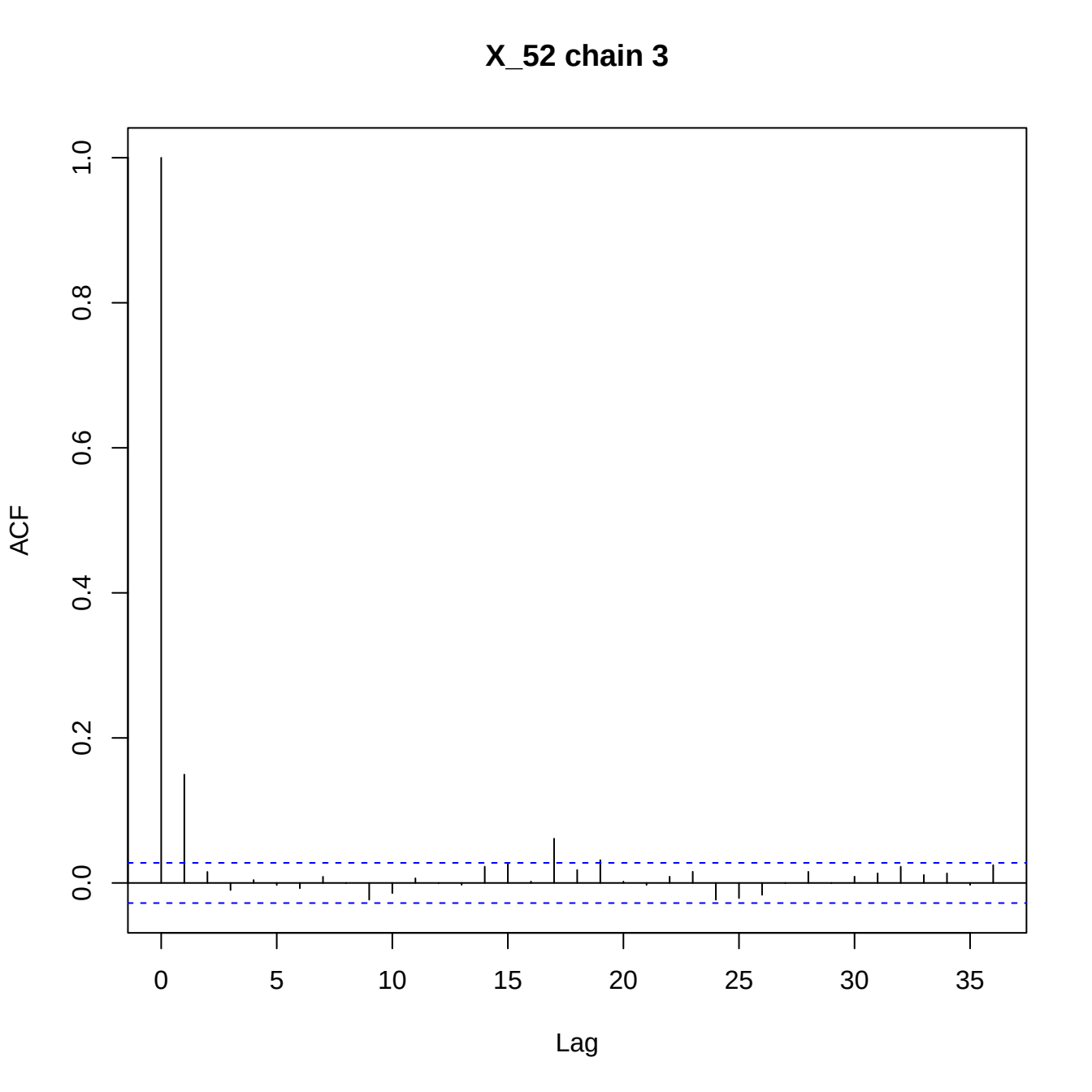
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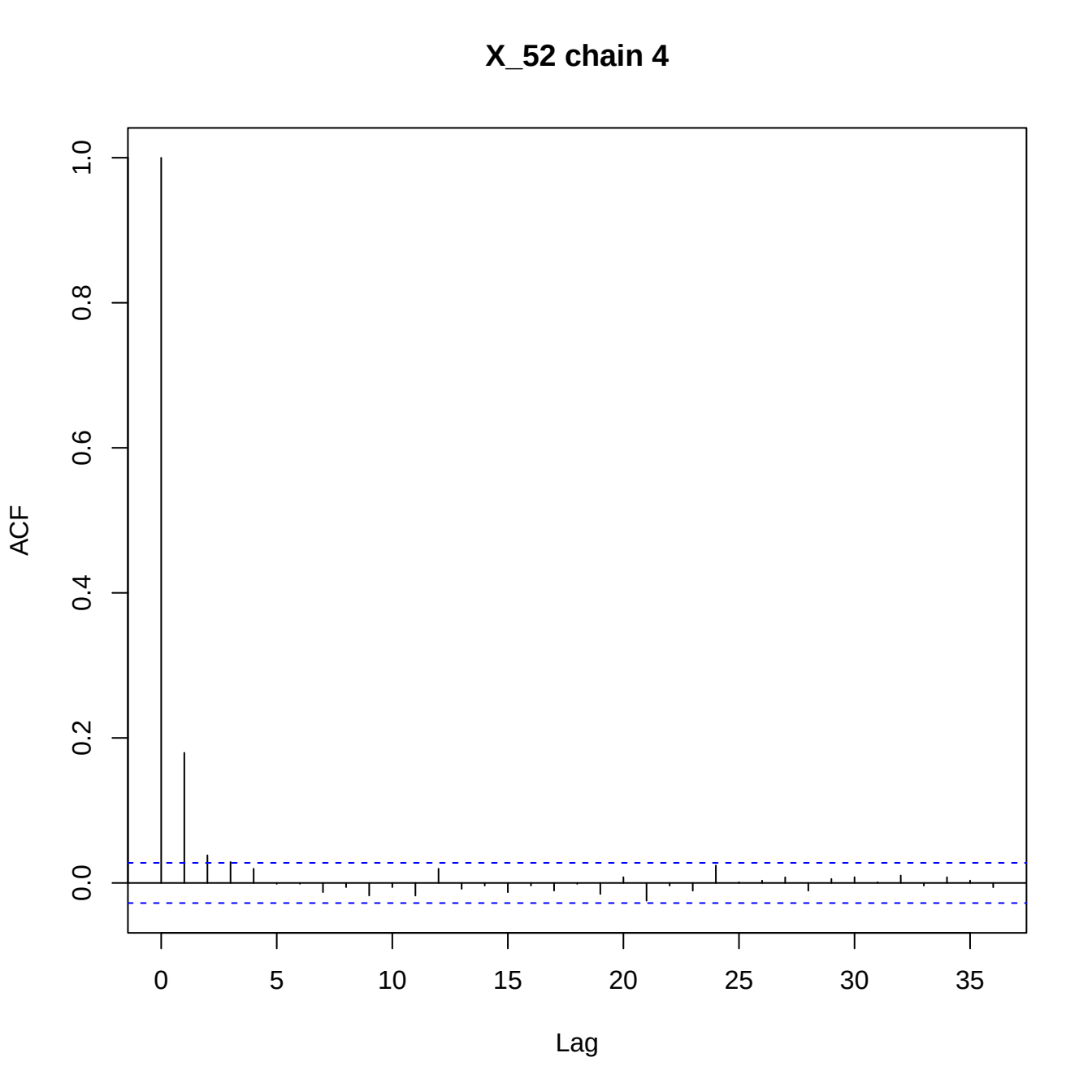
Lag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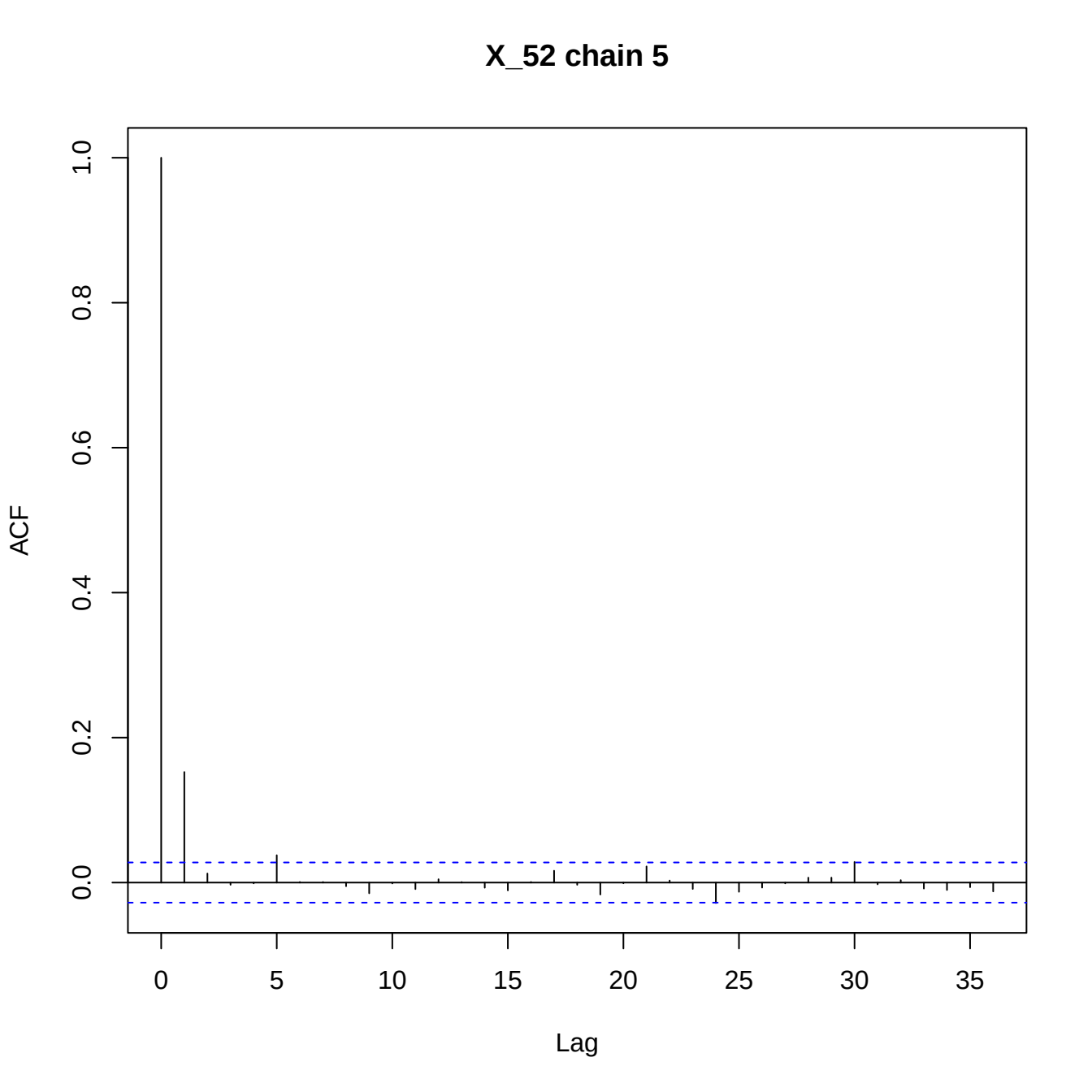
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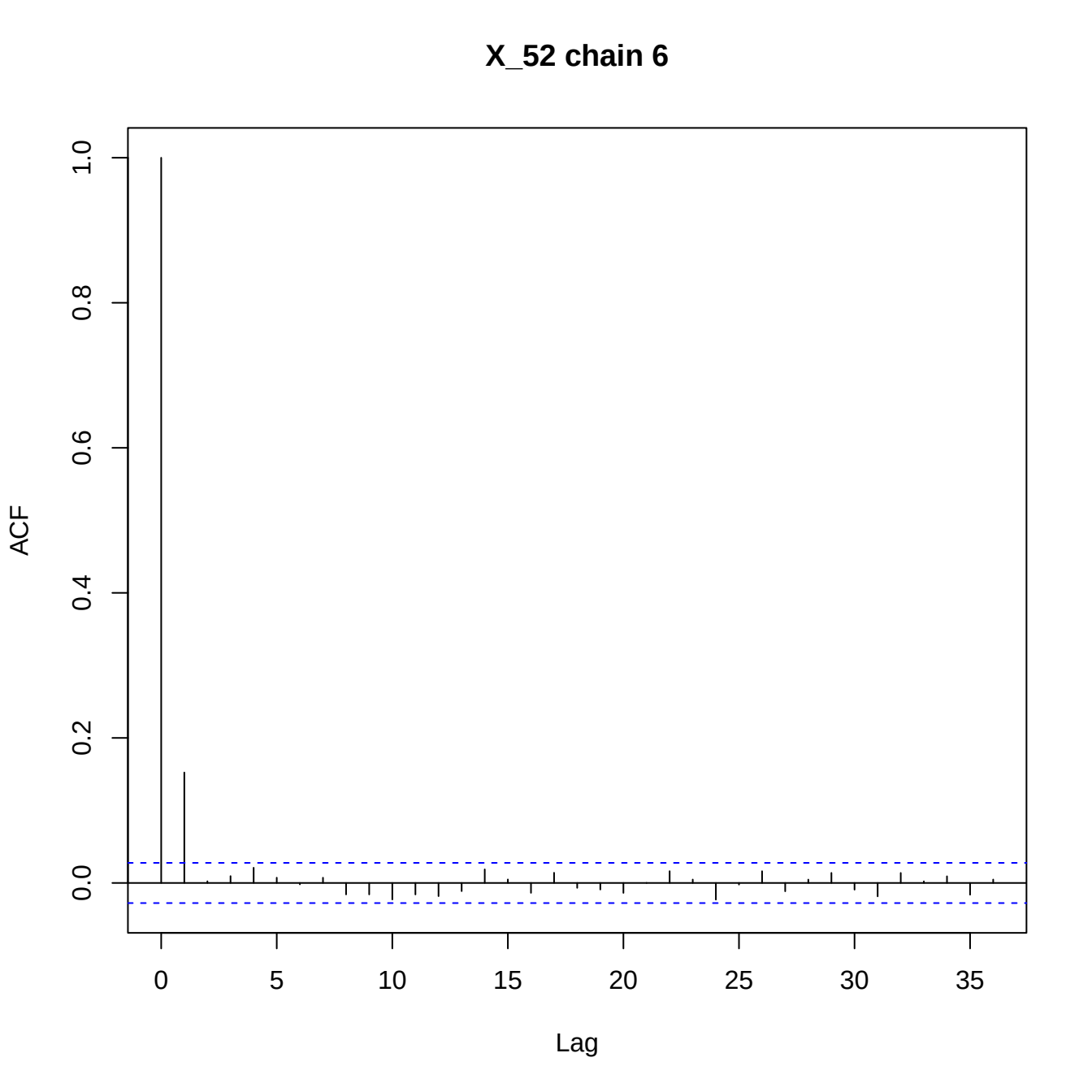
Lag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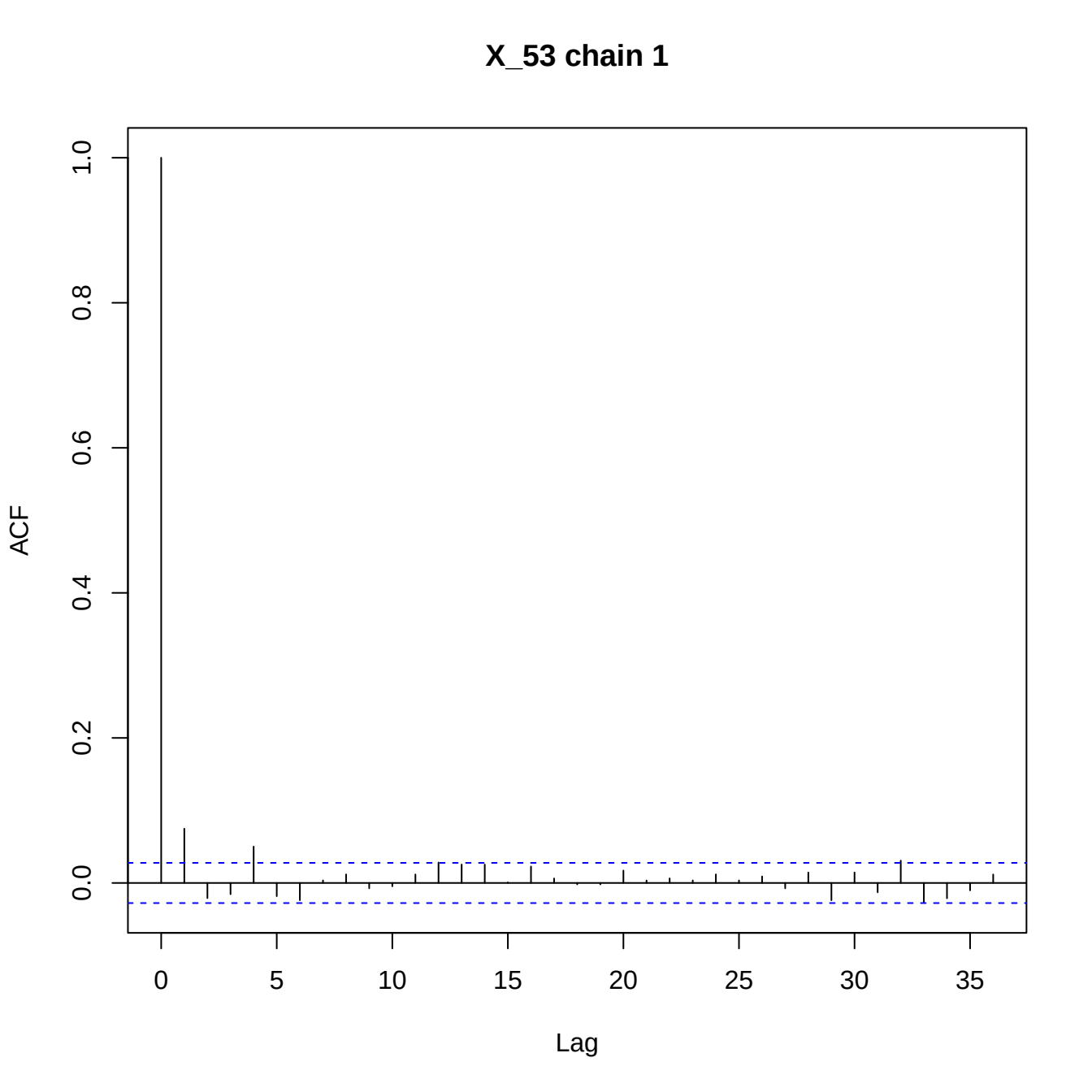
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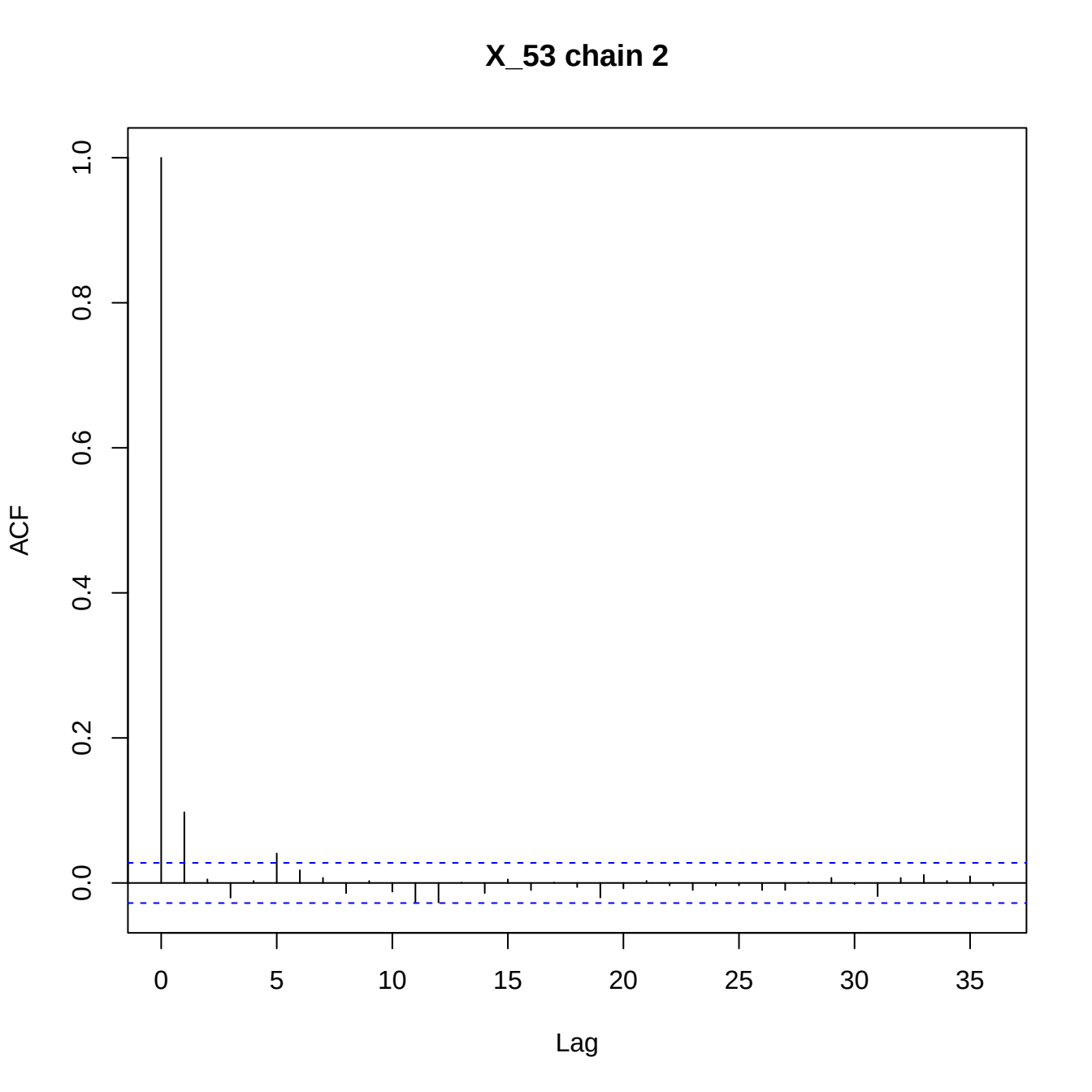
Lag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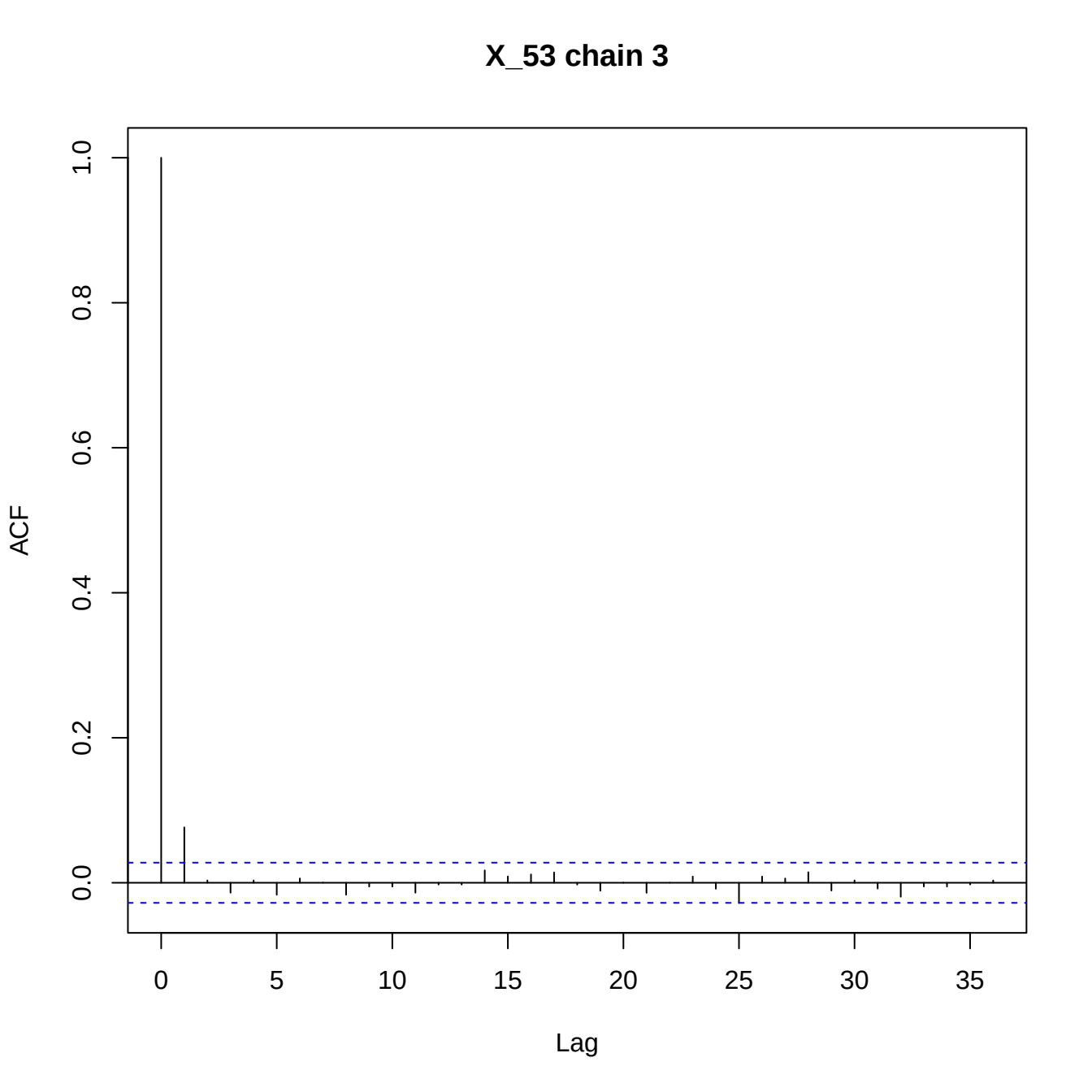
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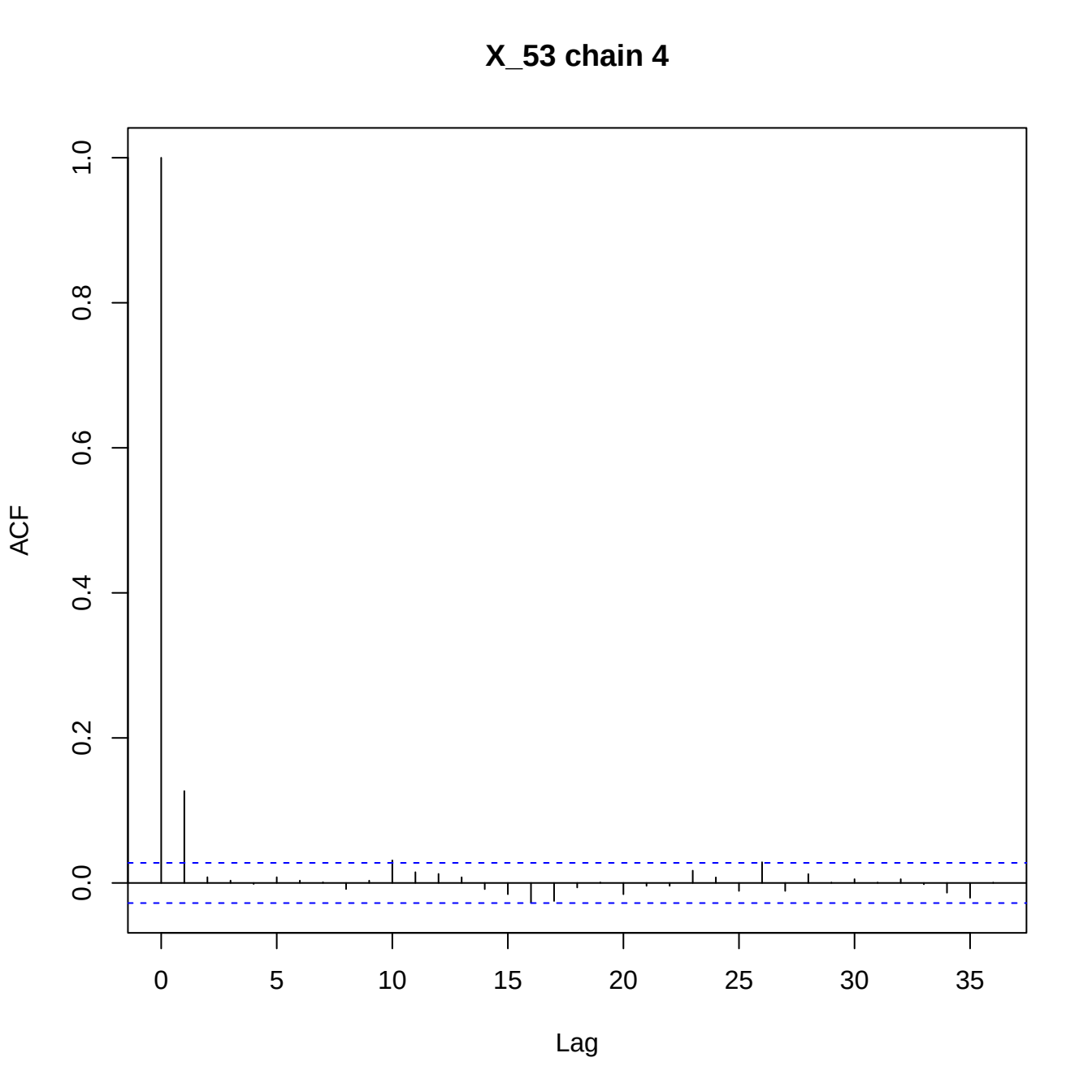
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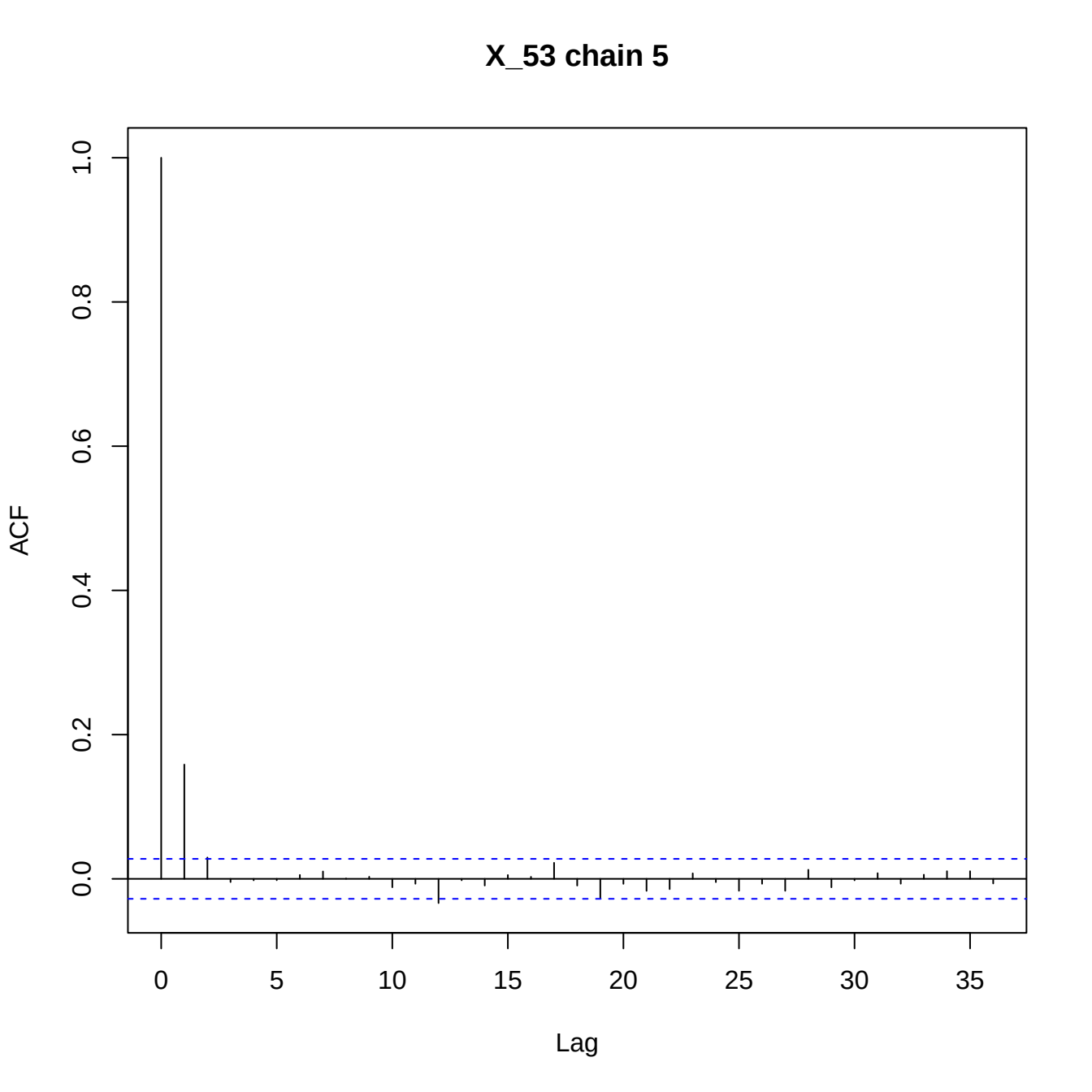
Lag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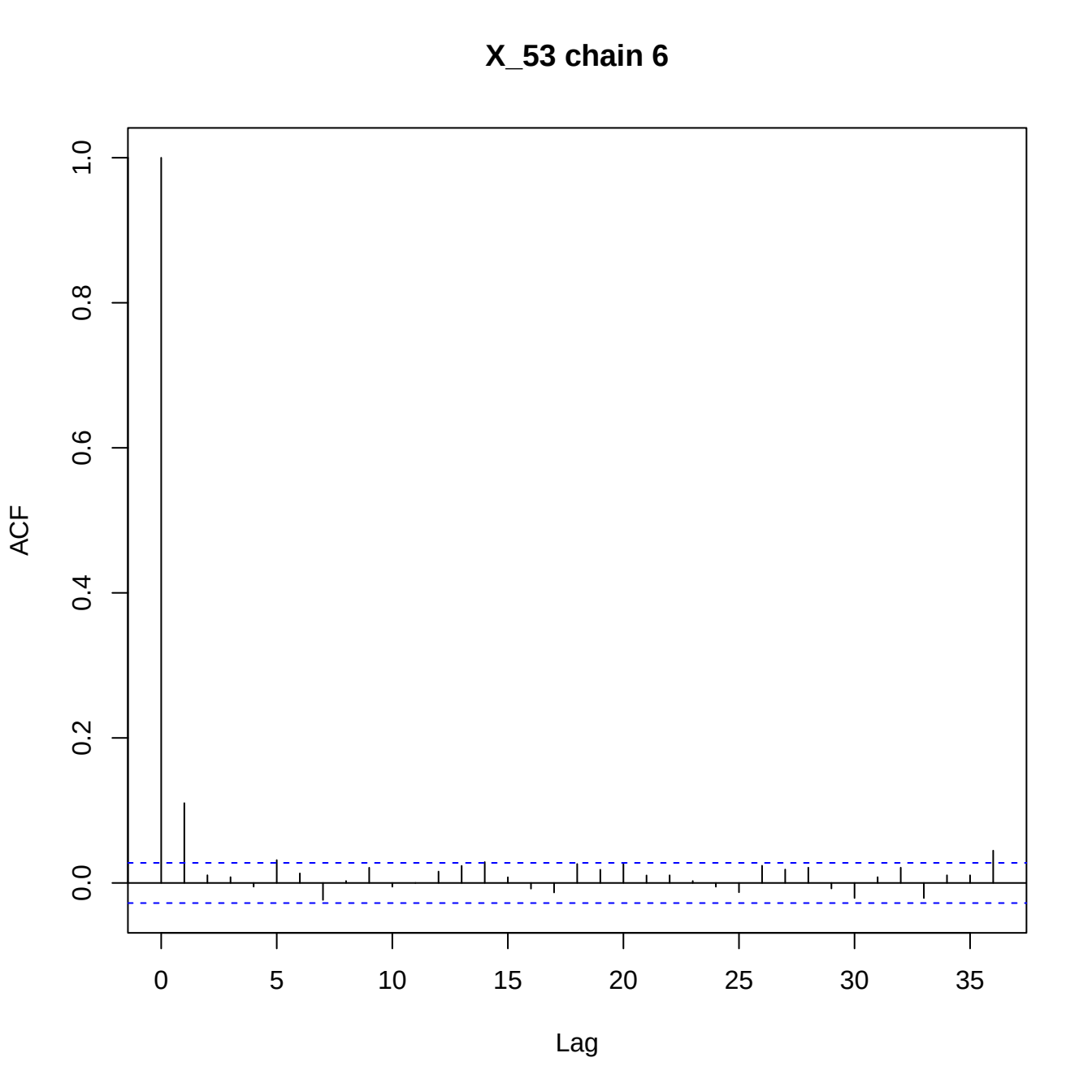
Lag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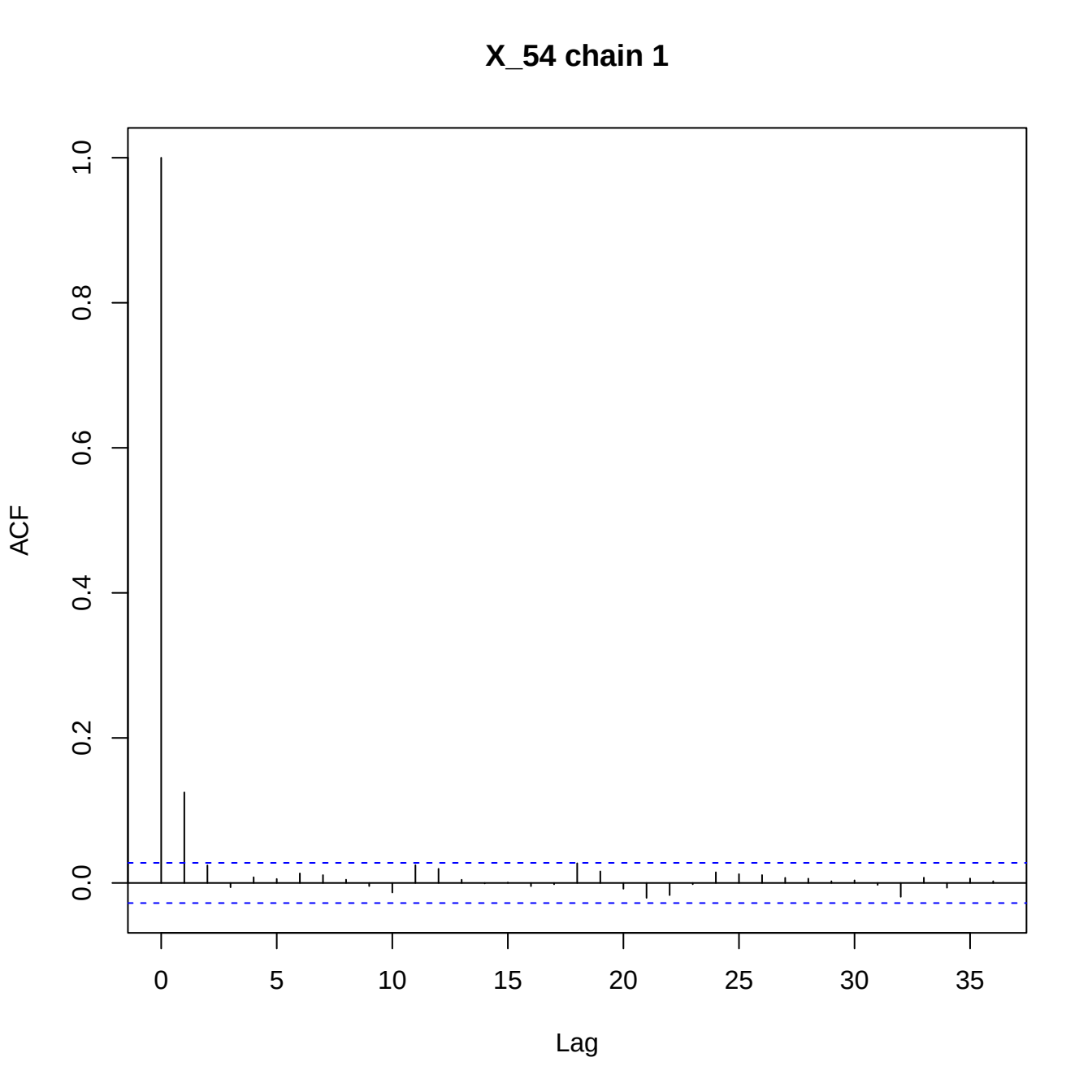
Lag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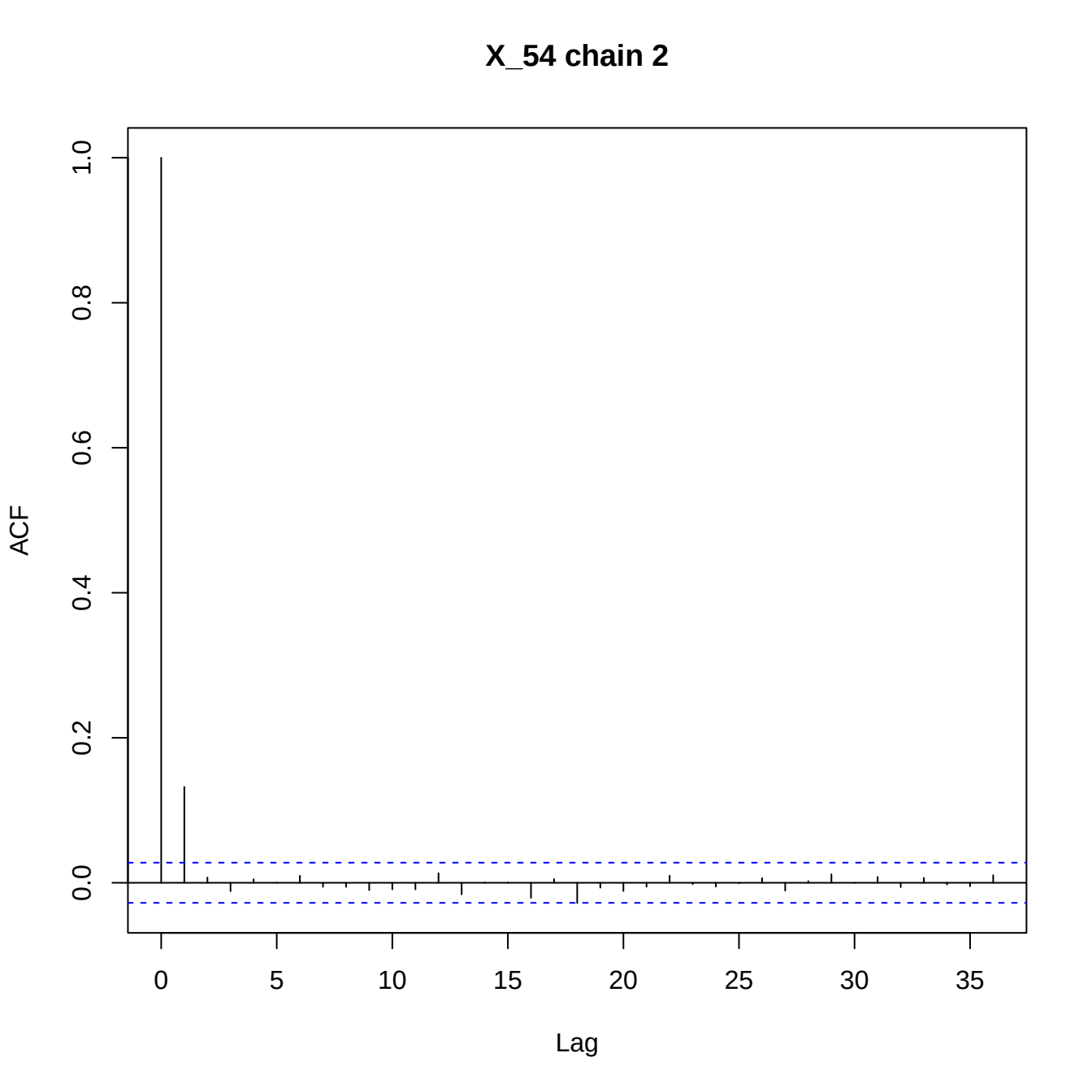
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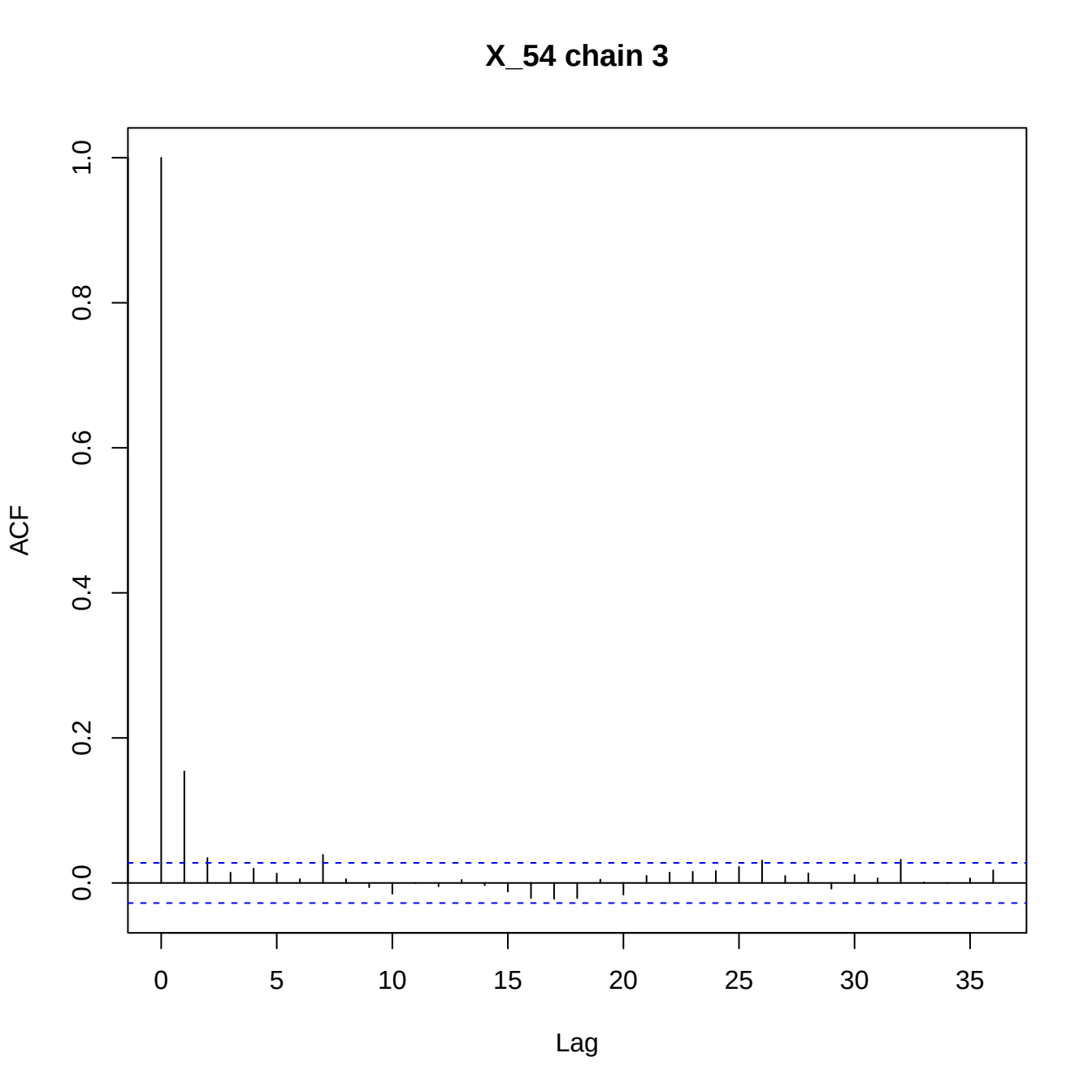
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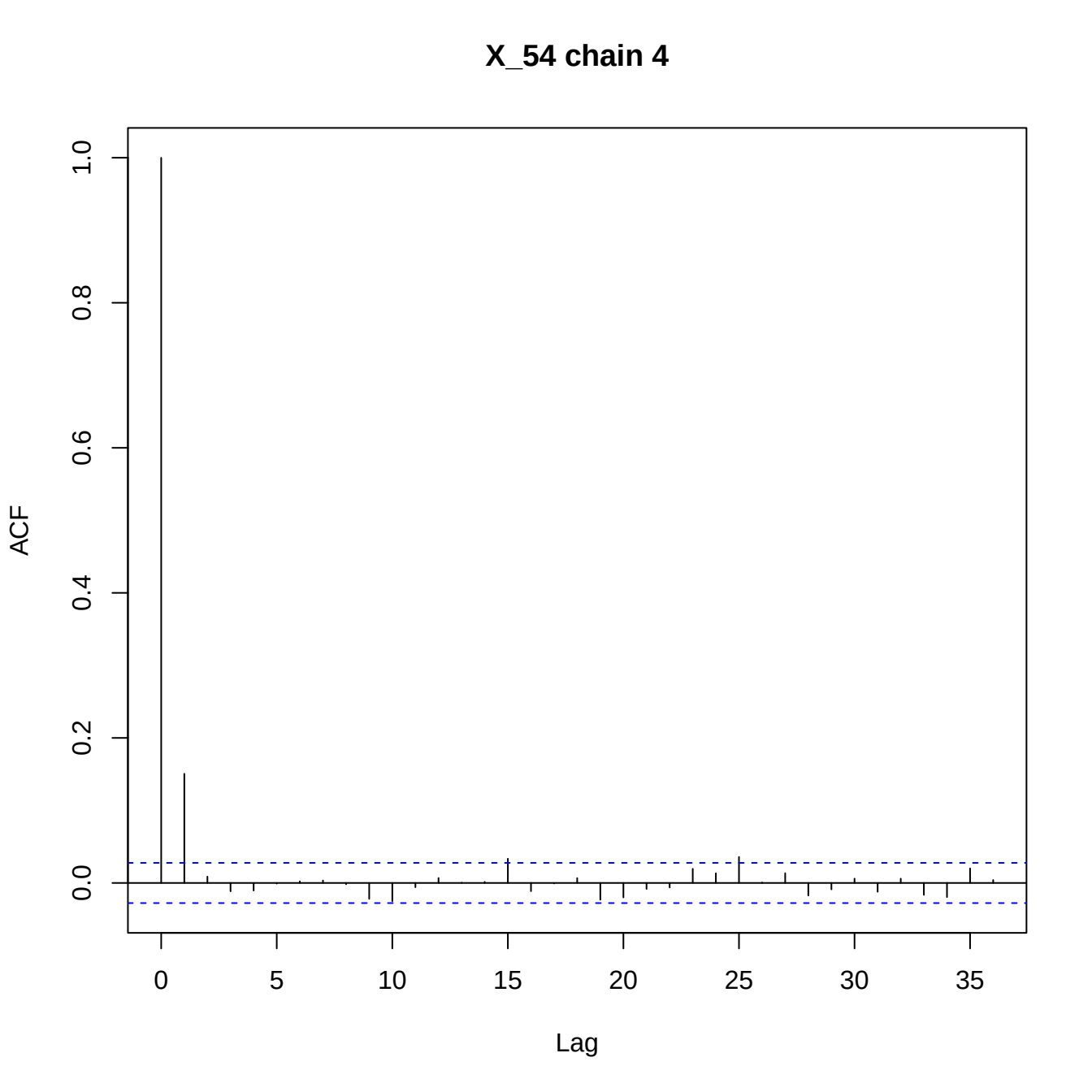
Lag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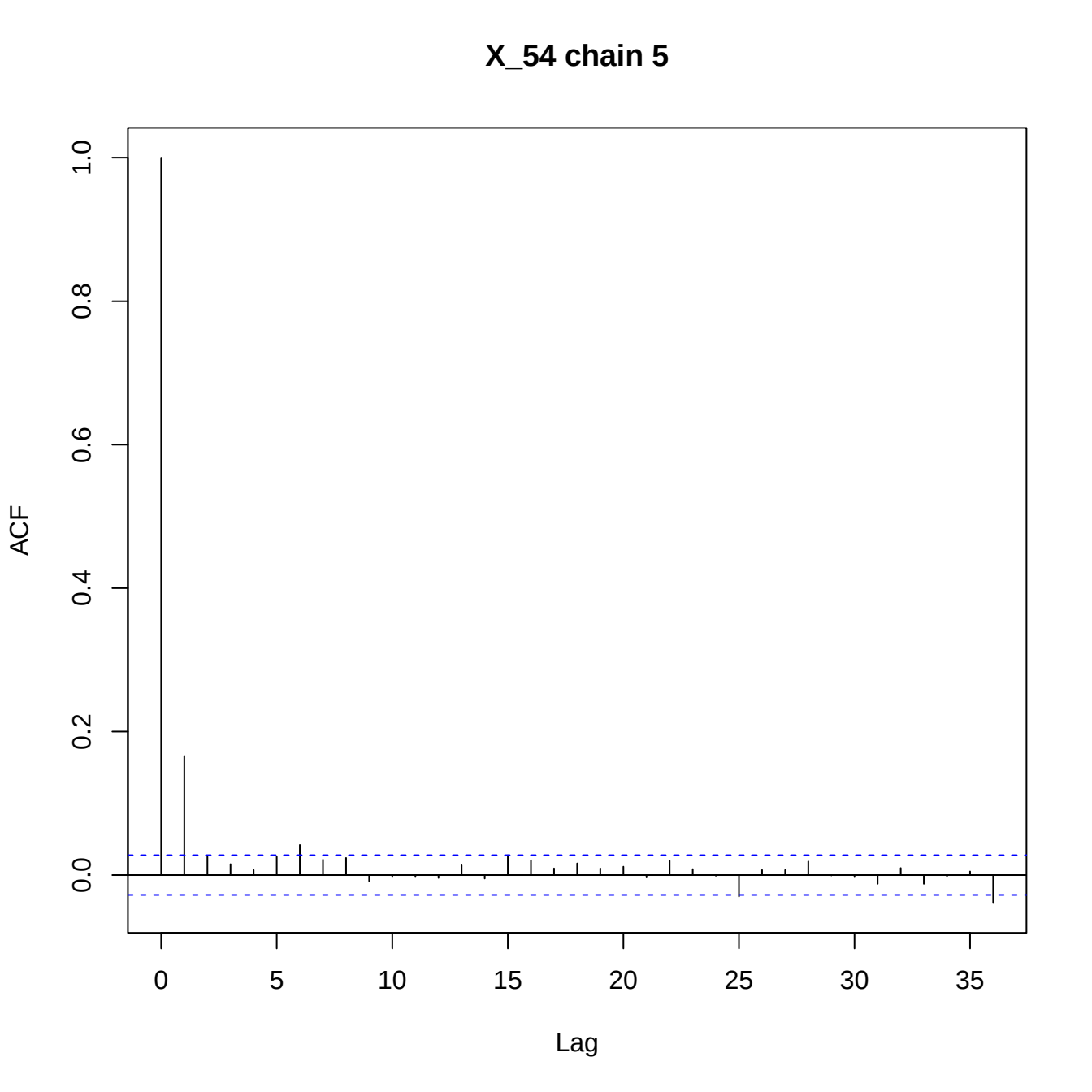
Lag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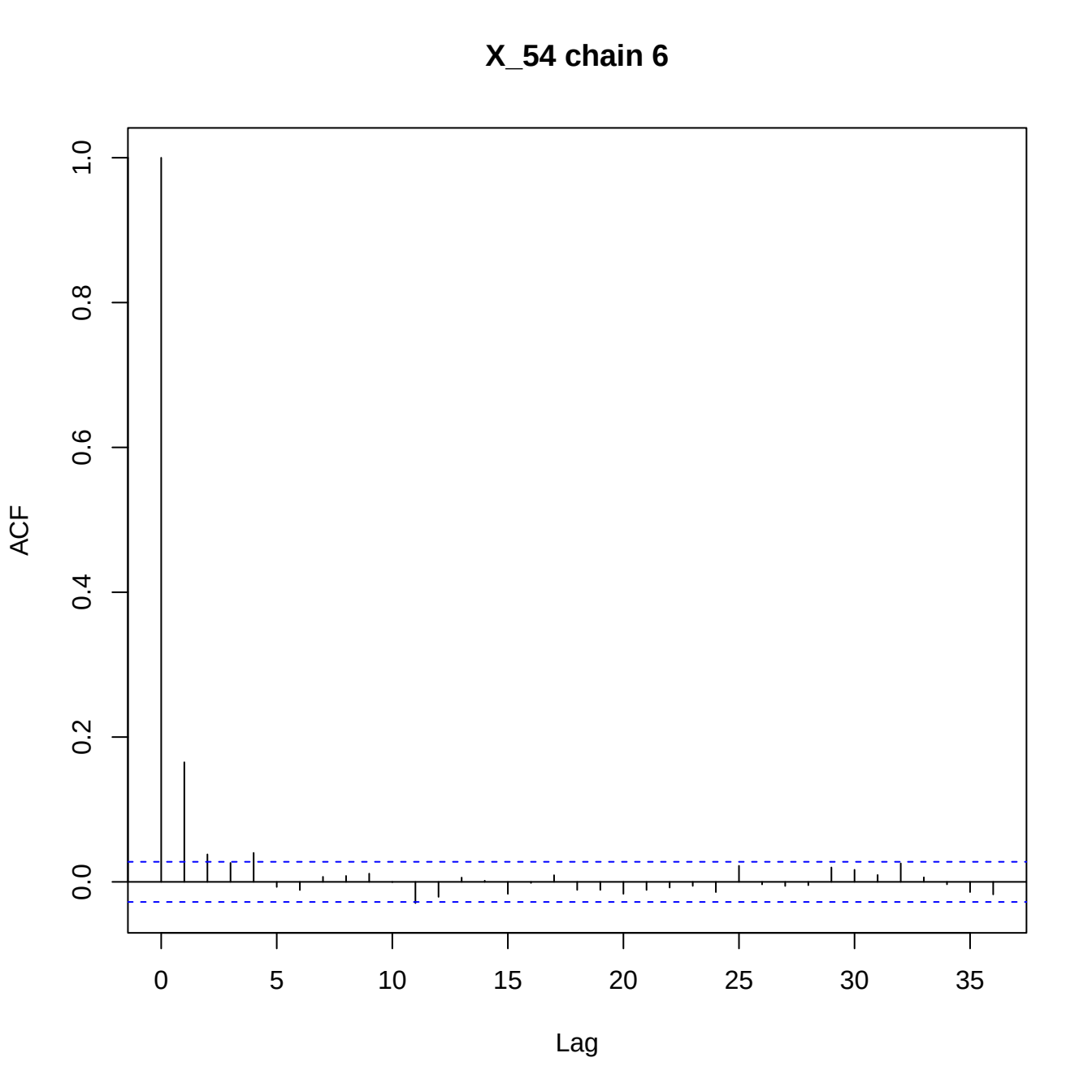
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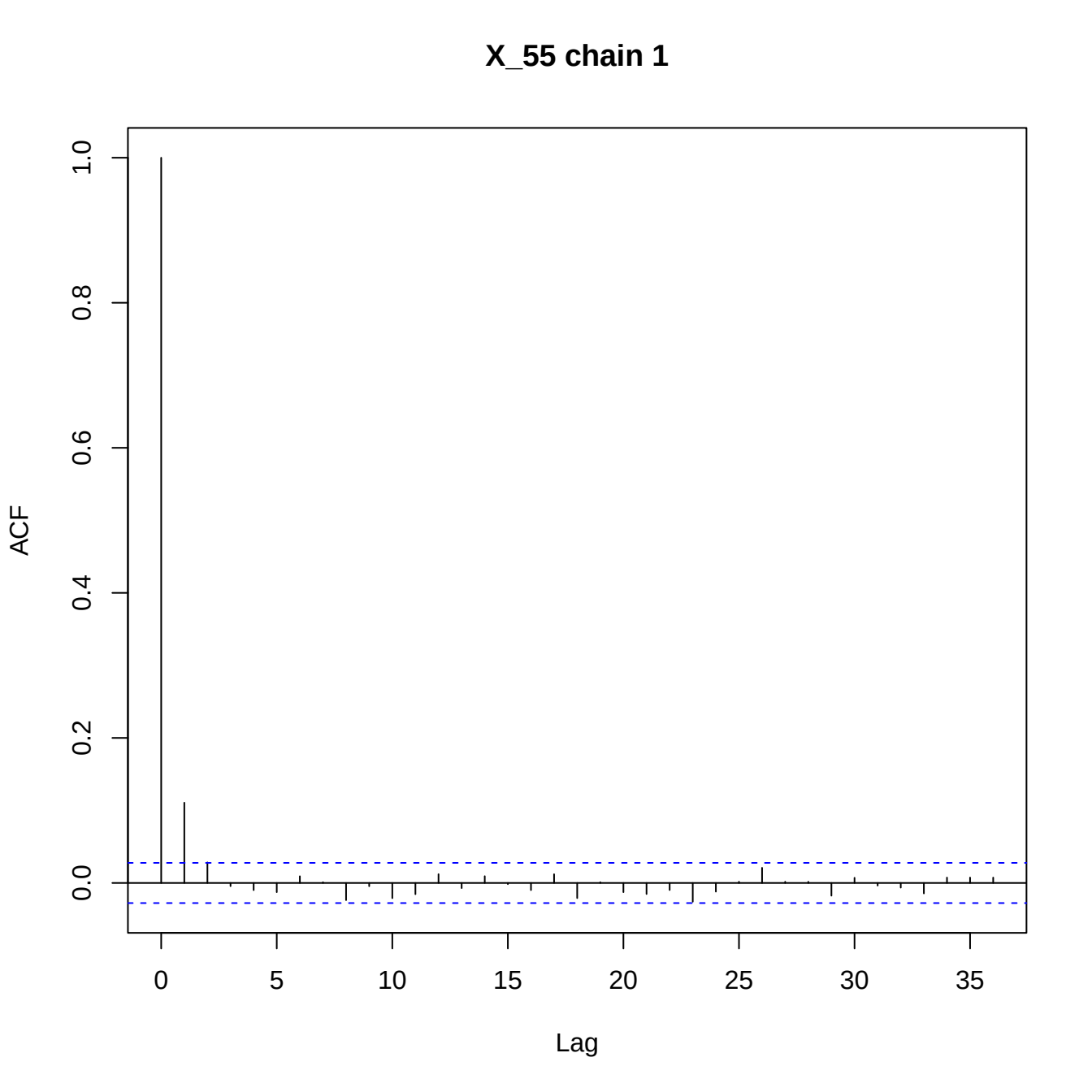
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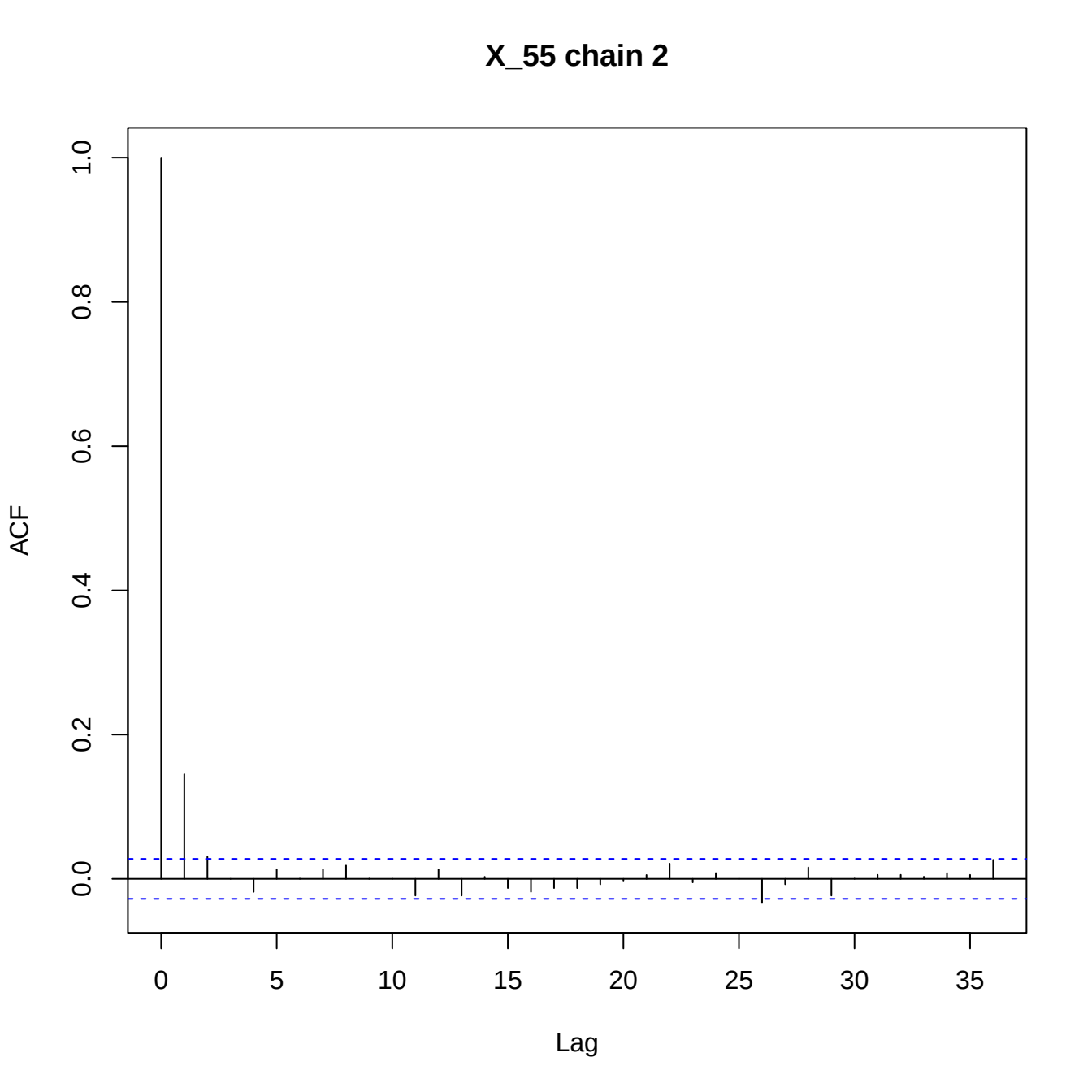
Lag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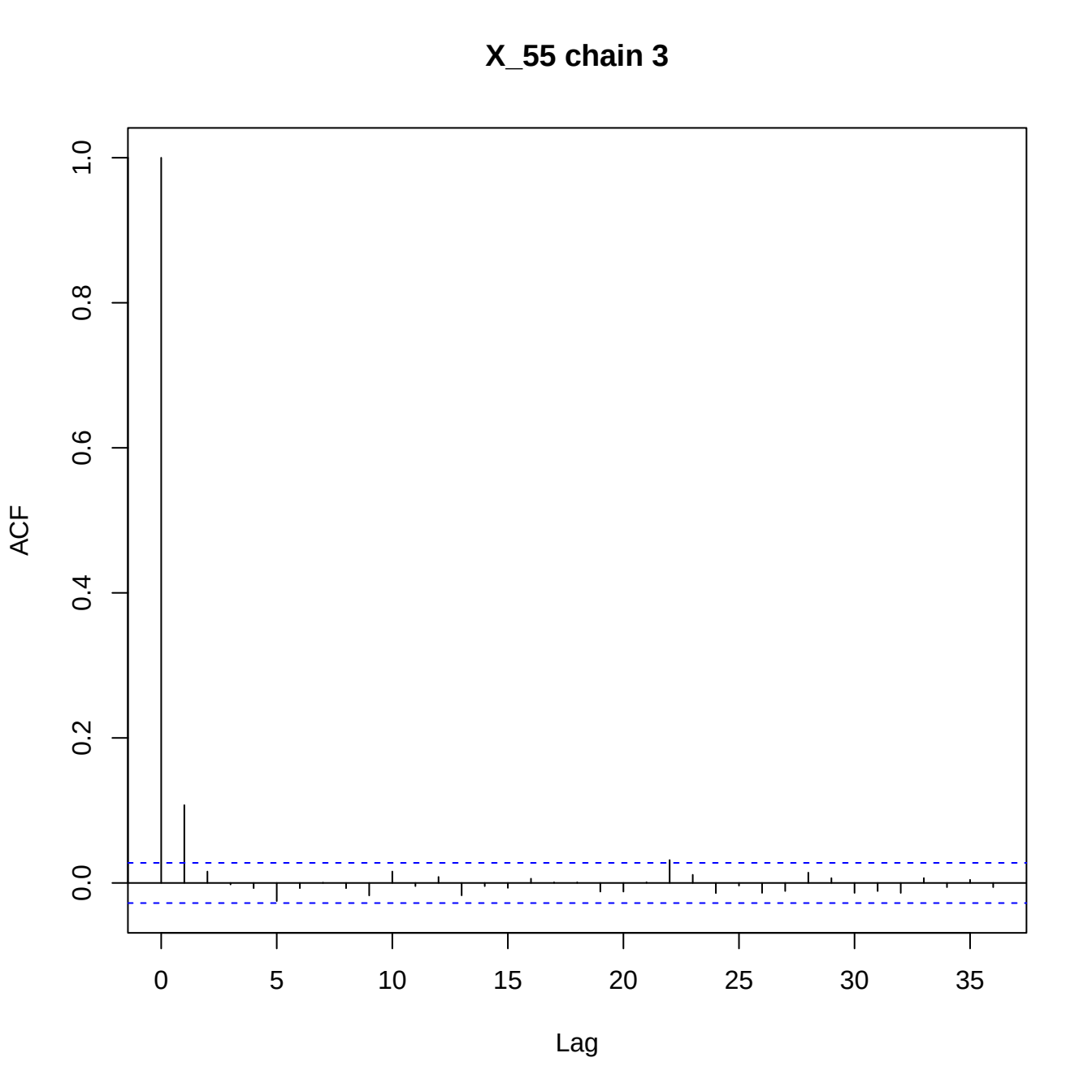
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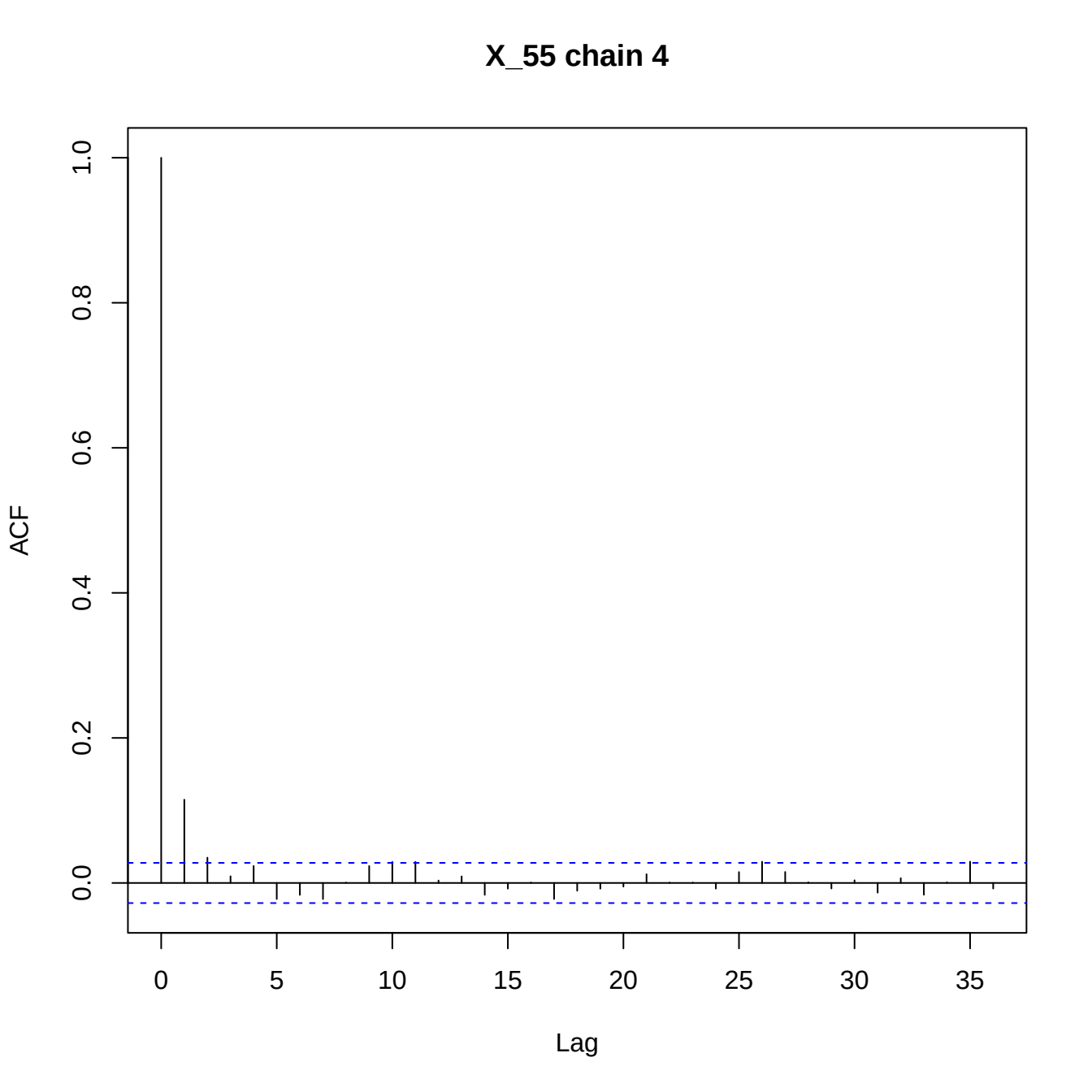
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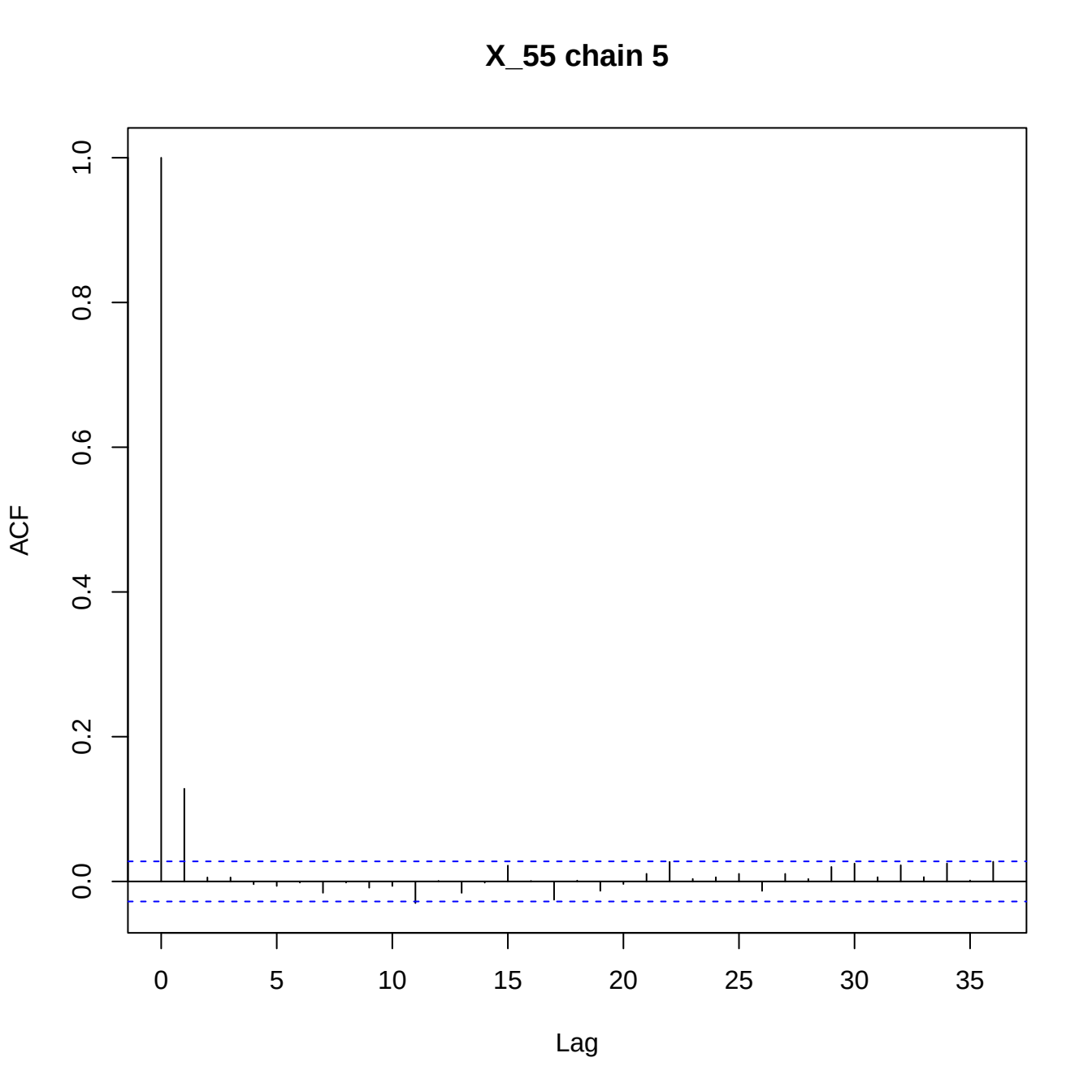
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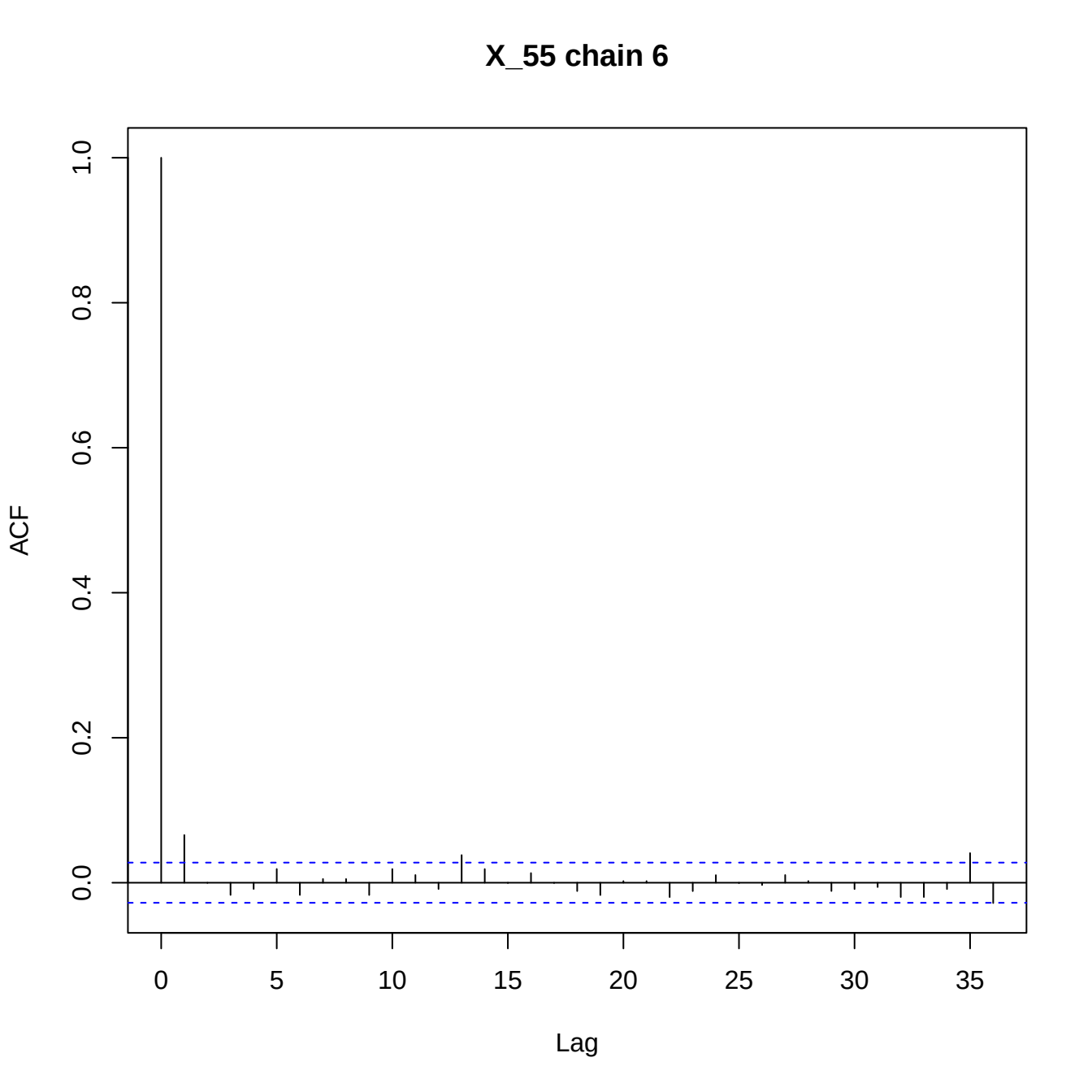
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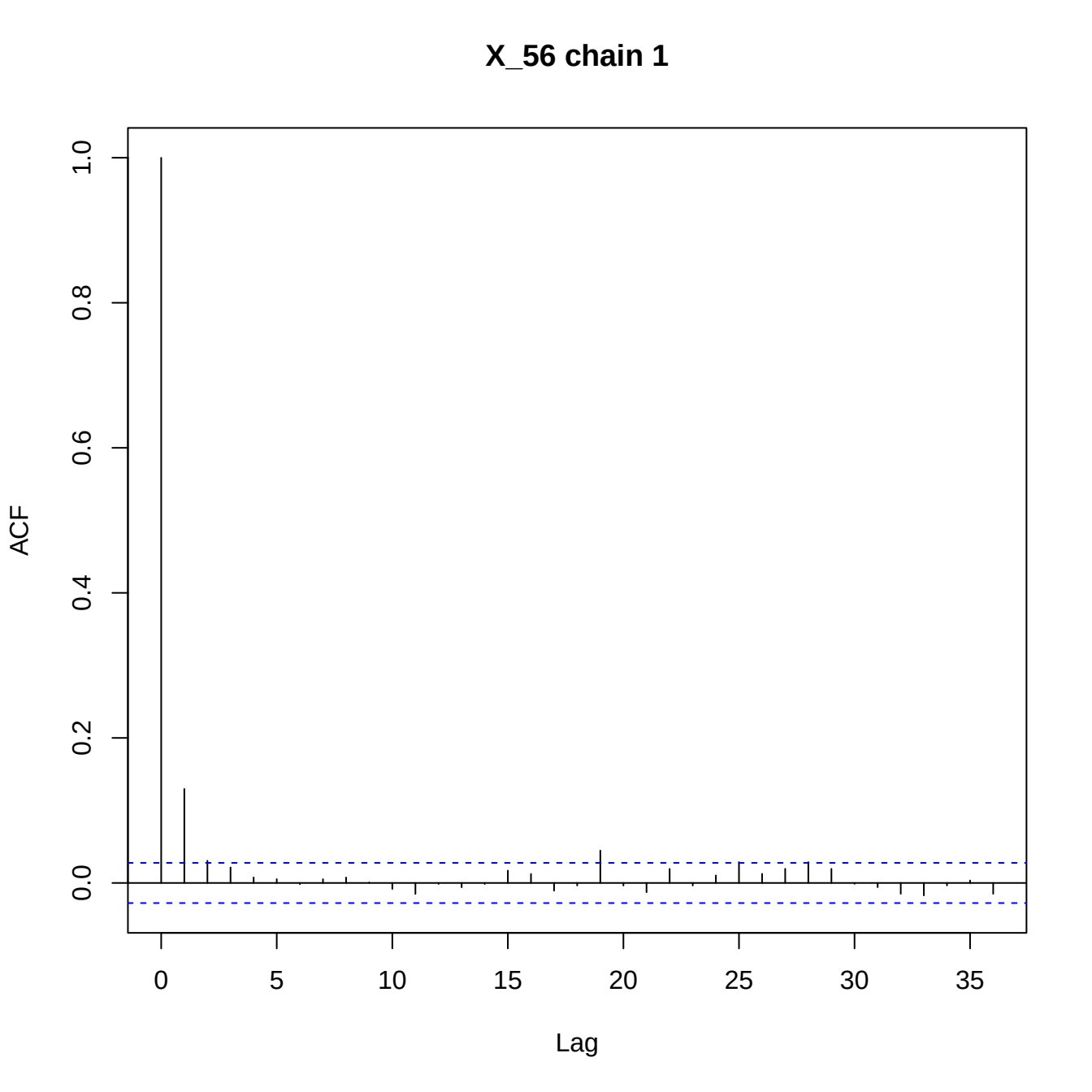
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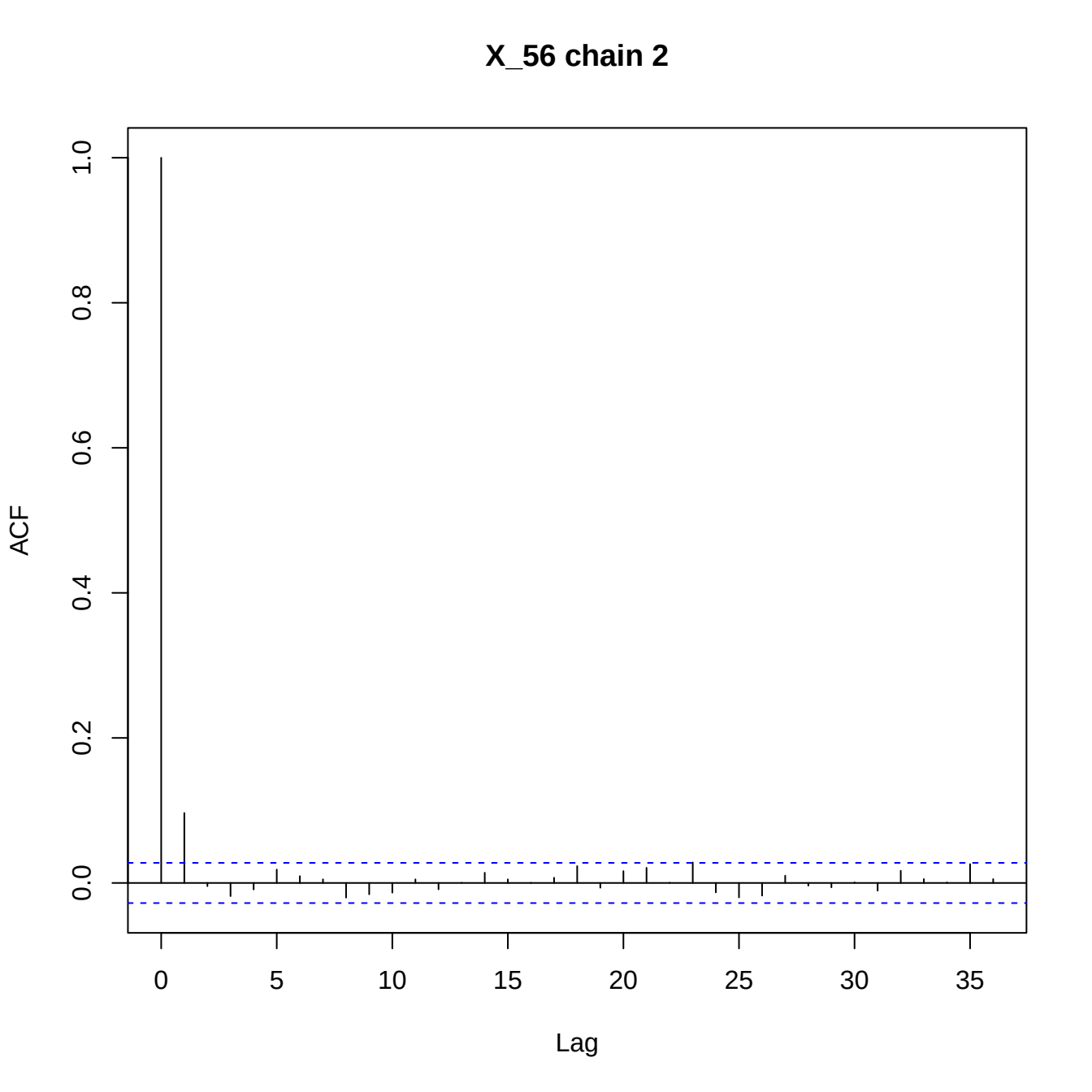
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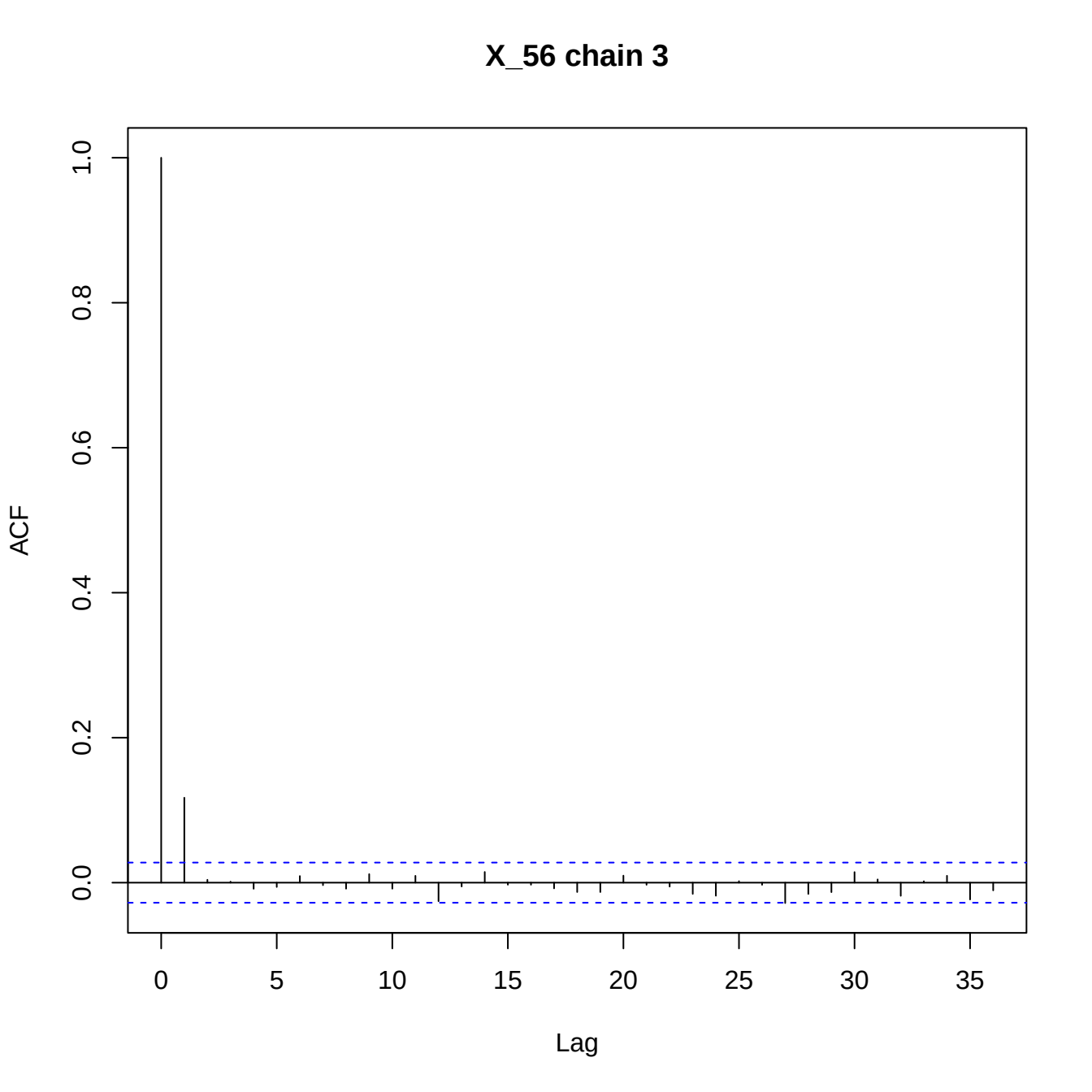
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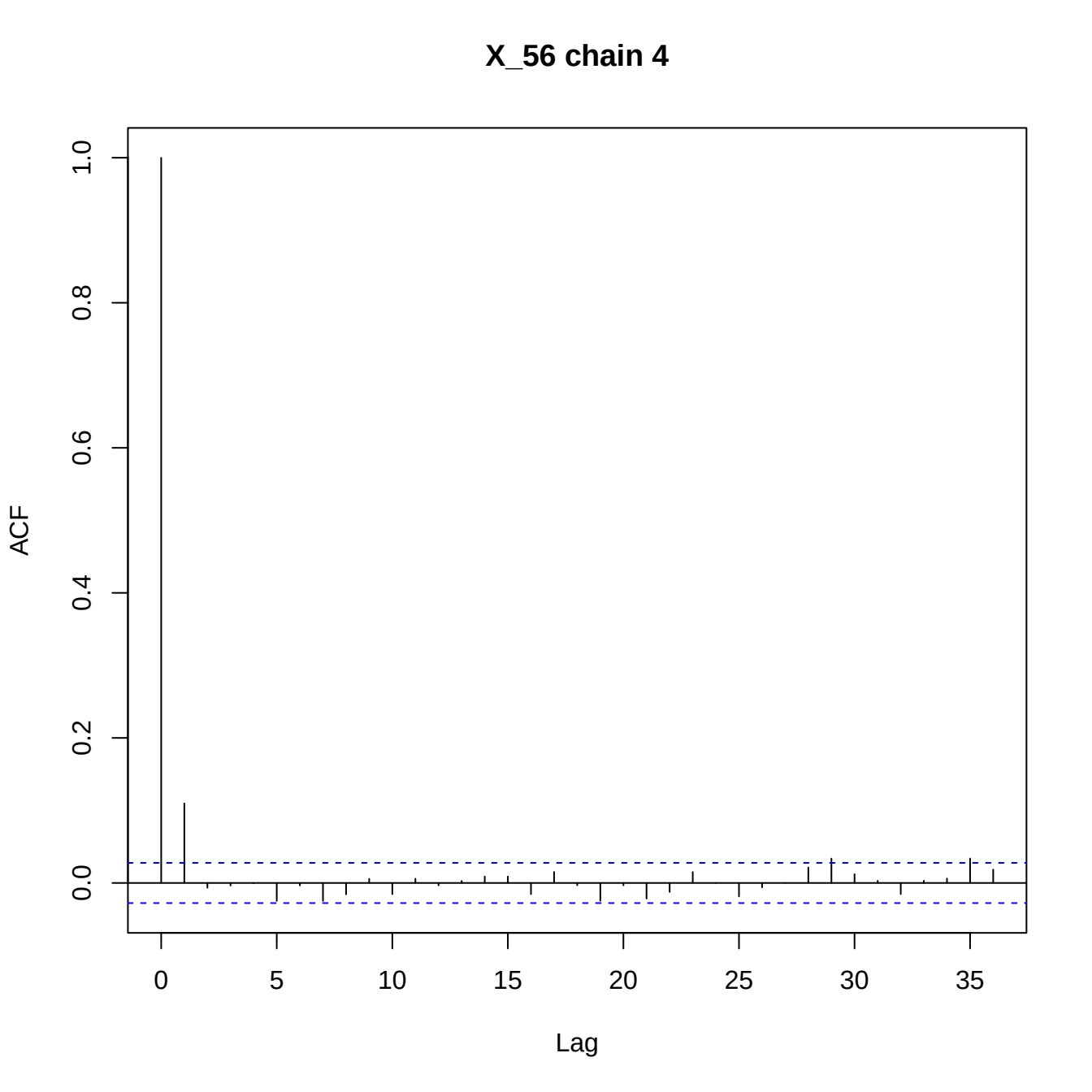
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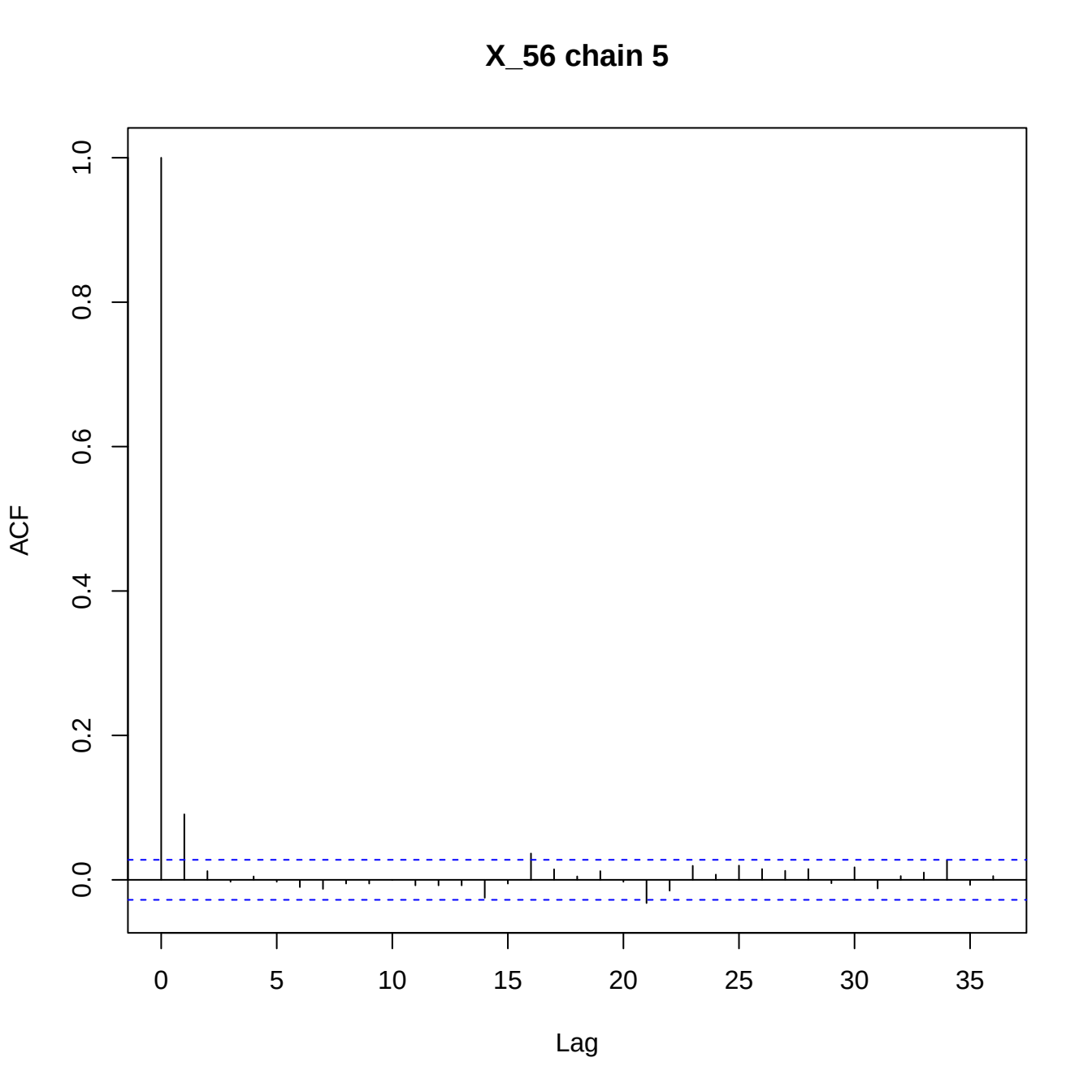
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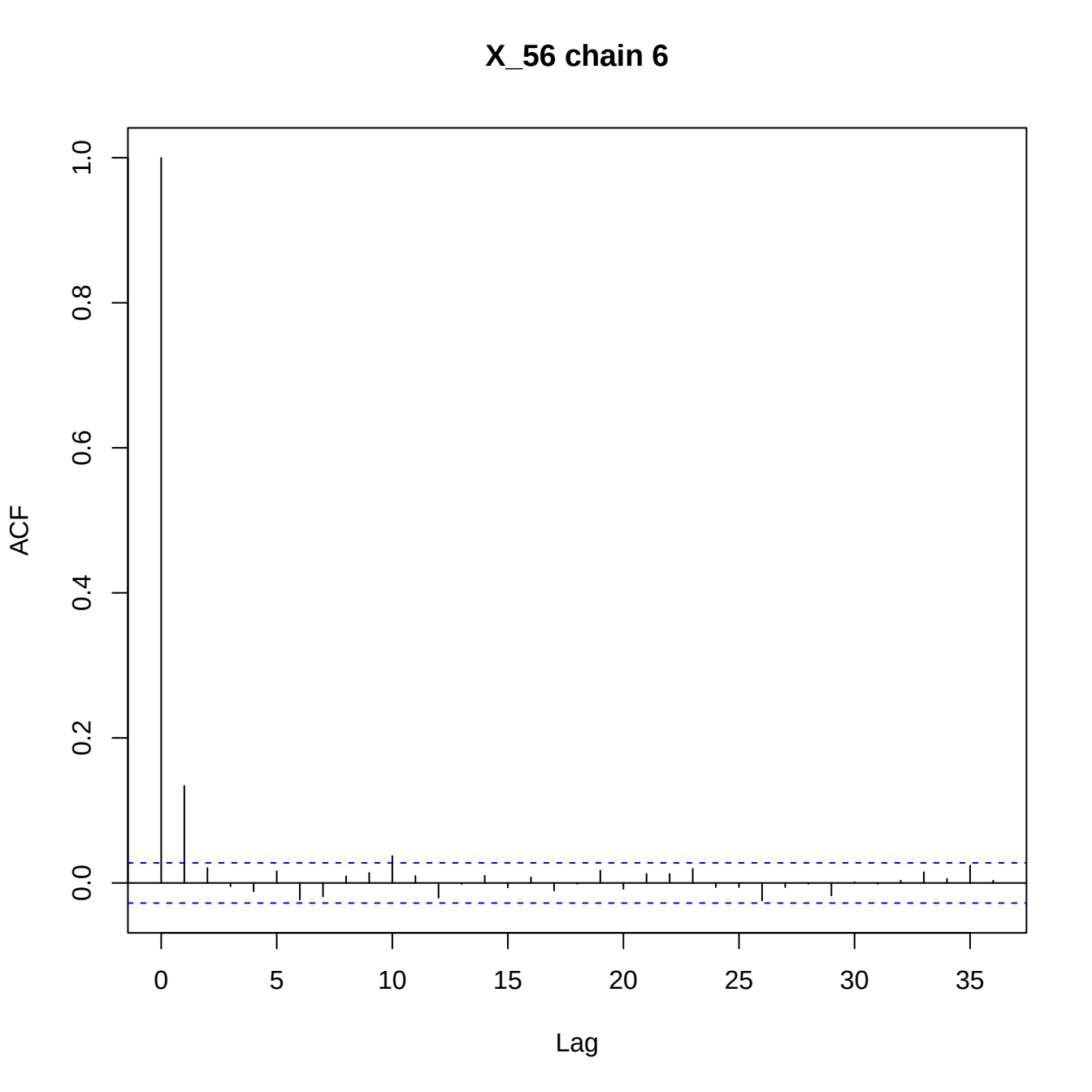
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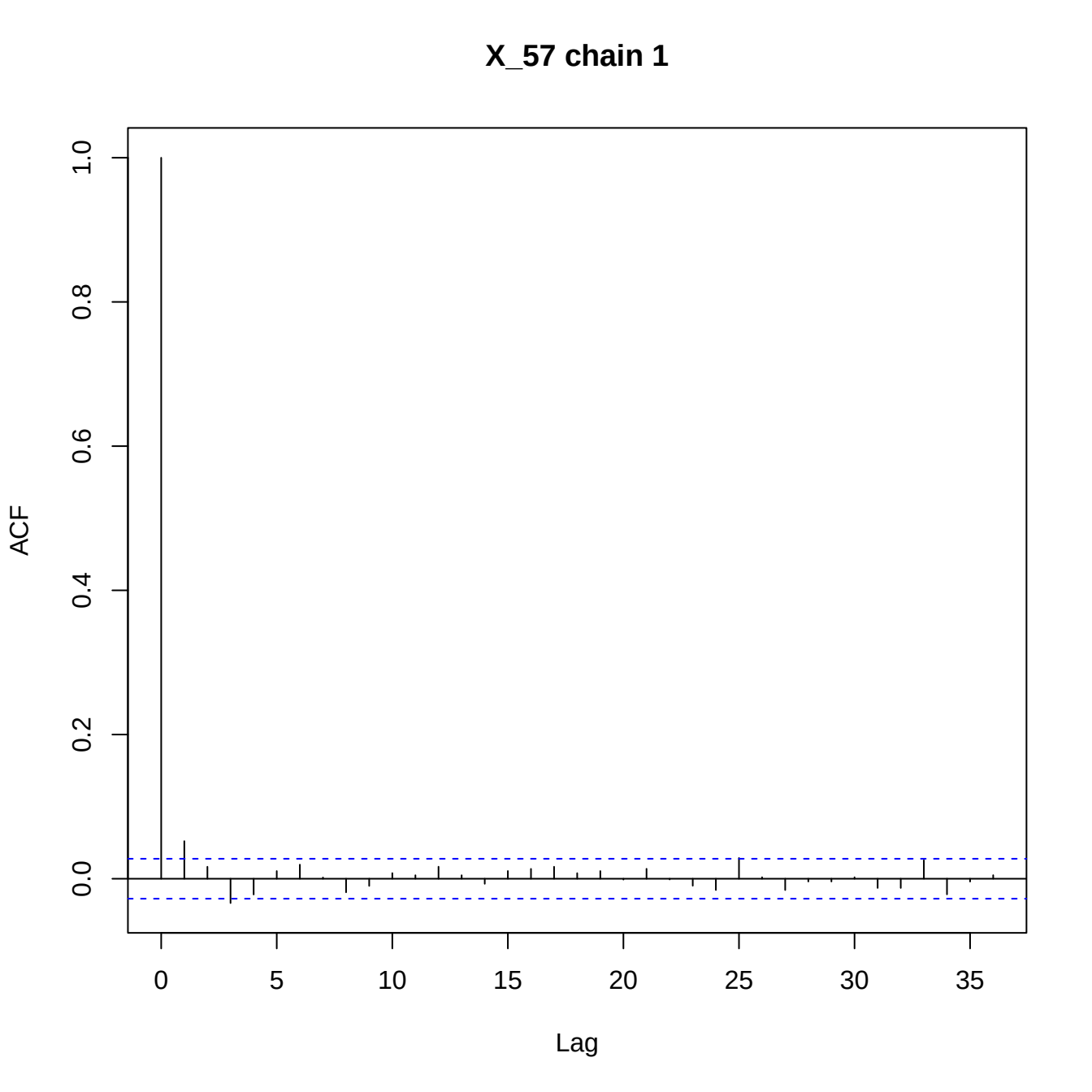
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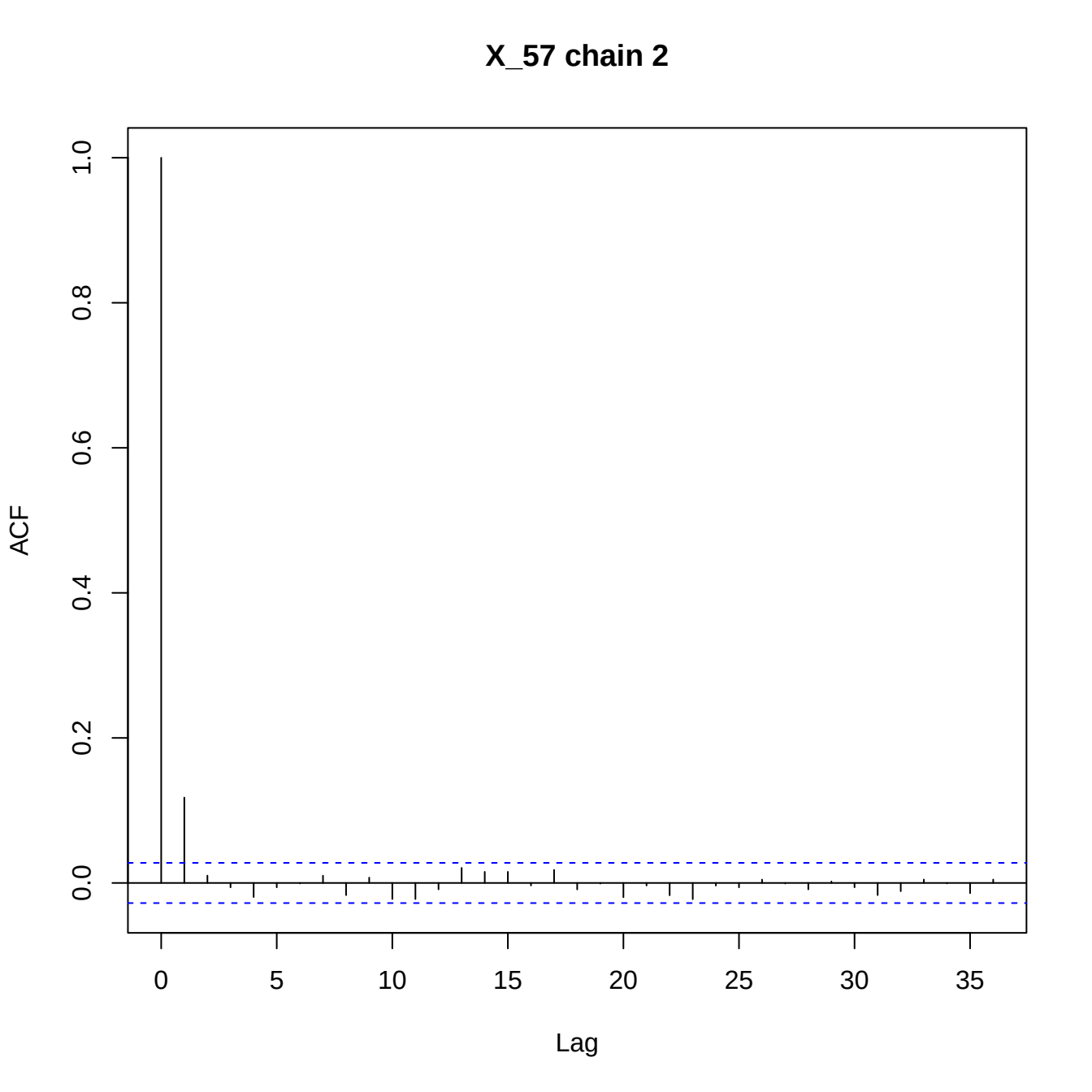
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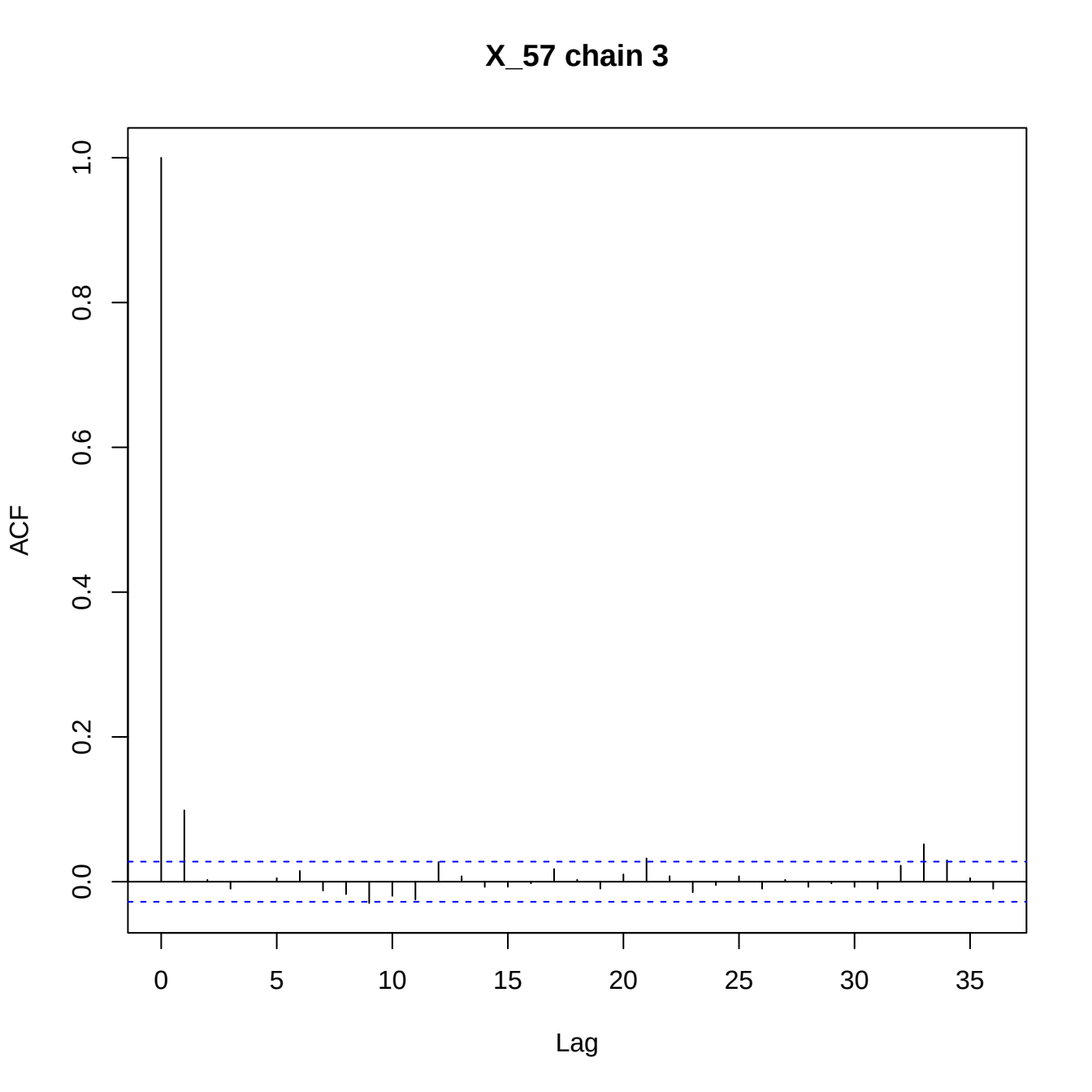
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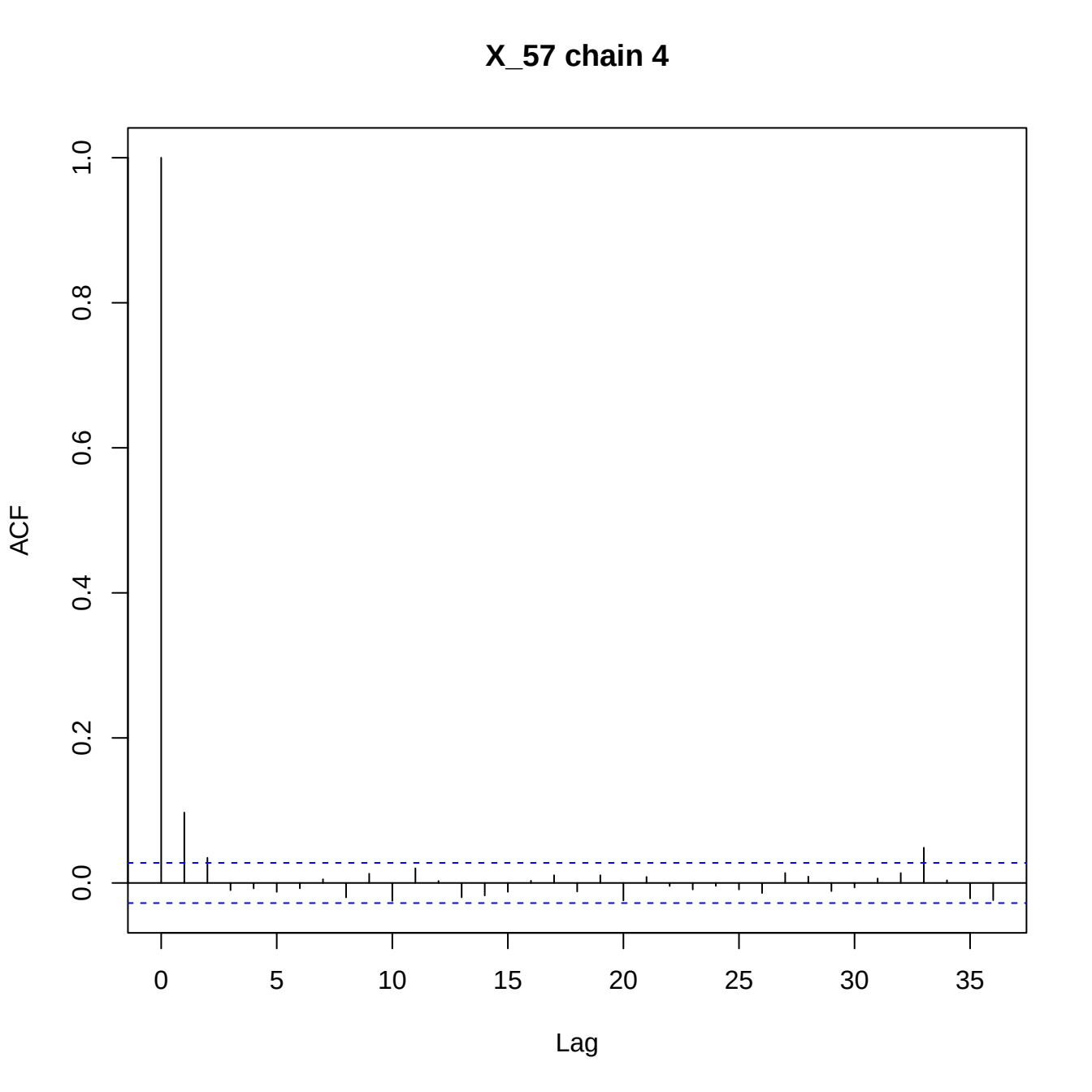
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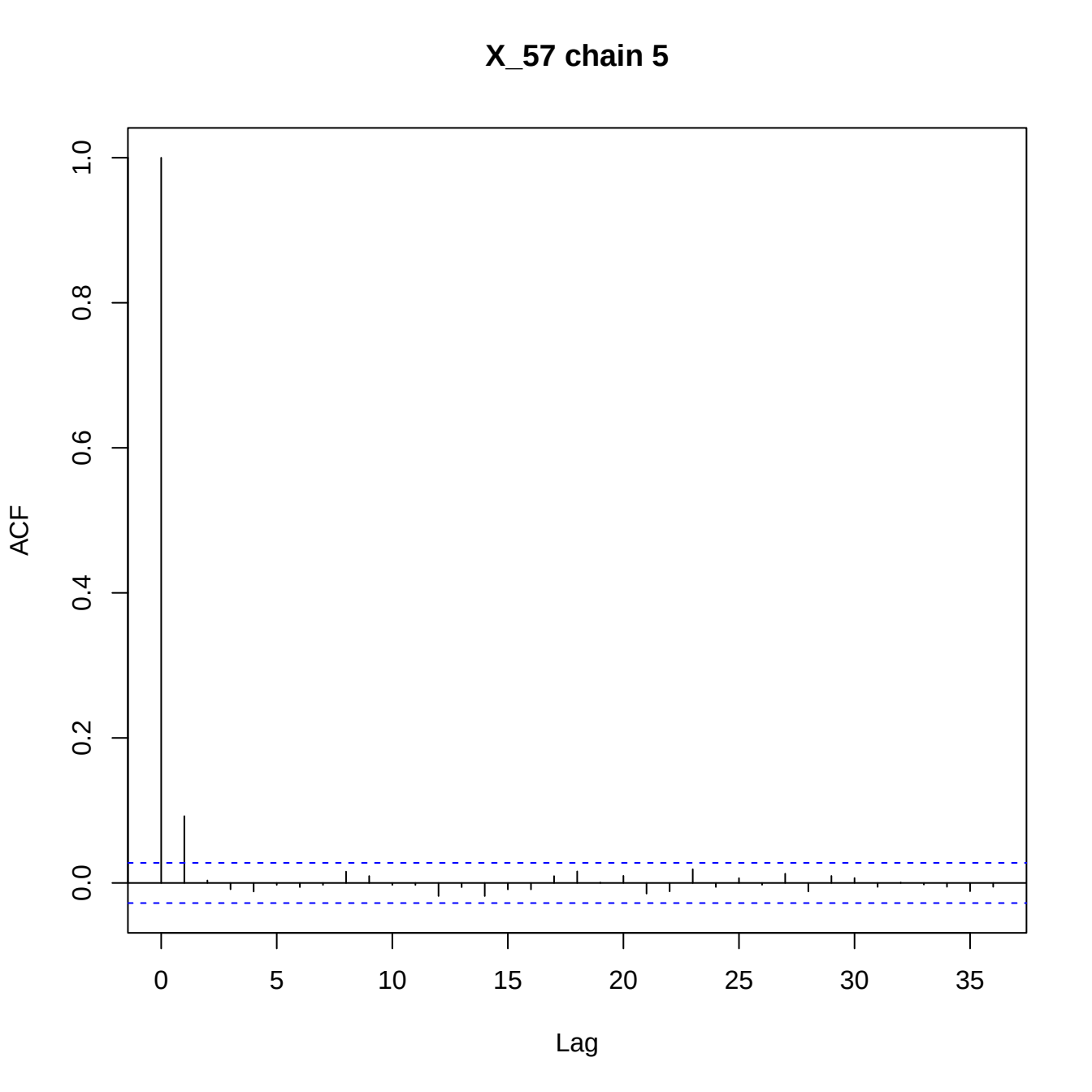
Lag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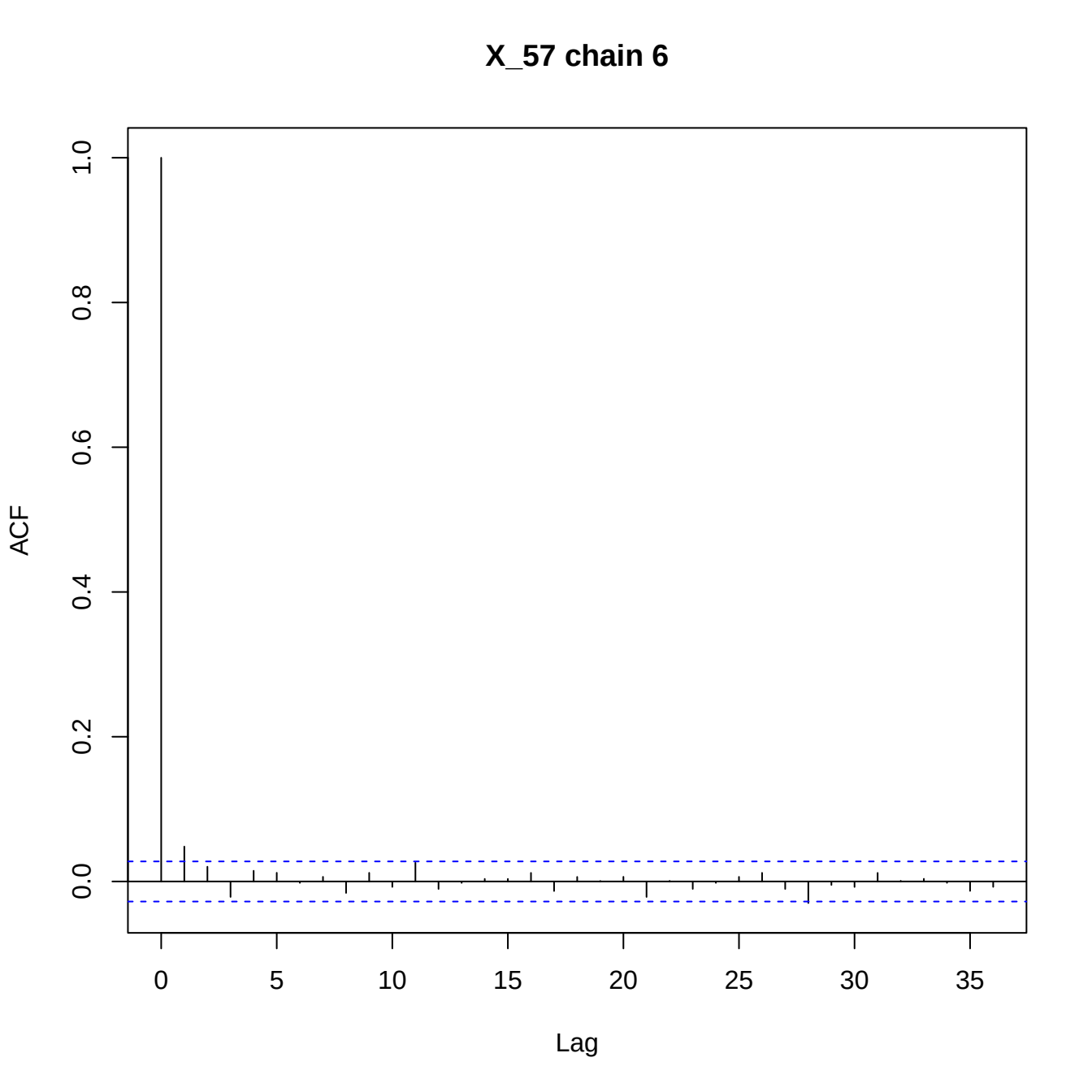
Lag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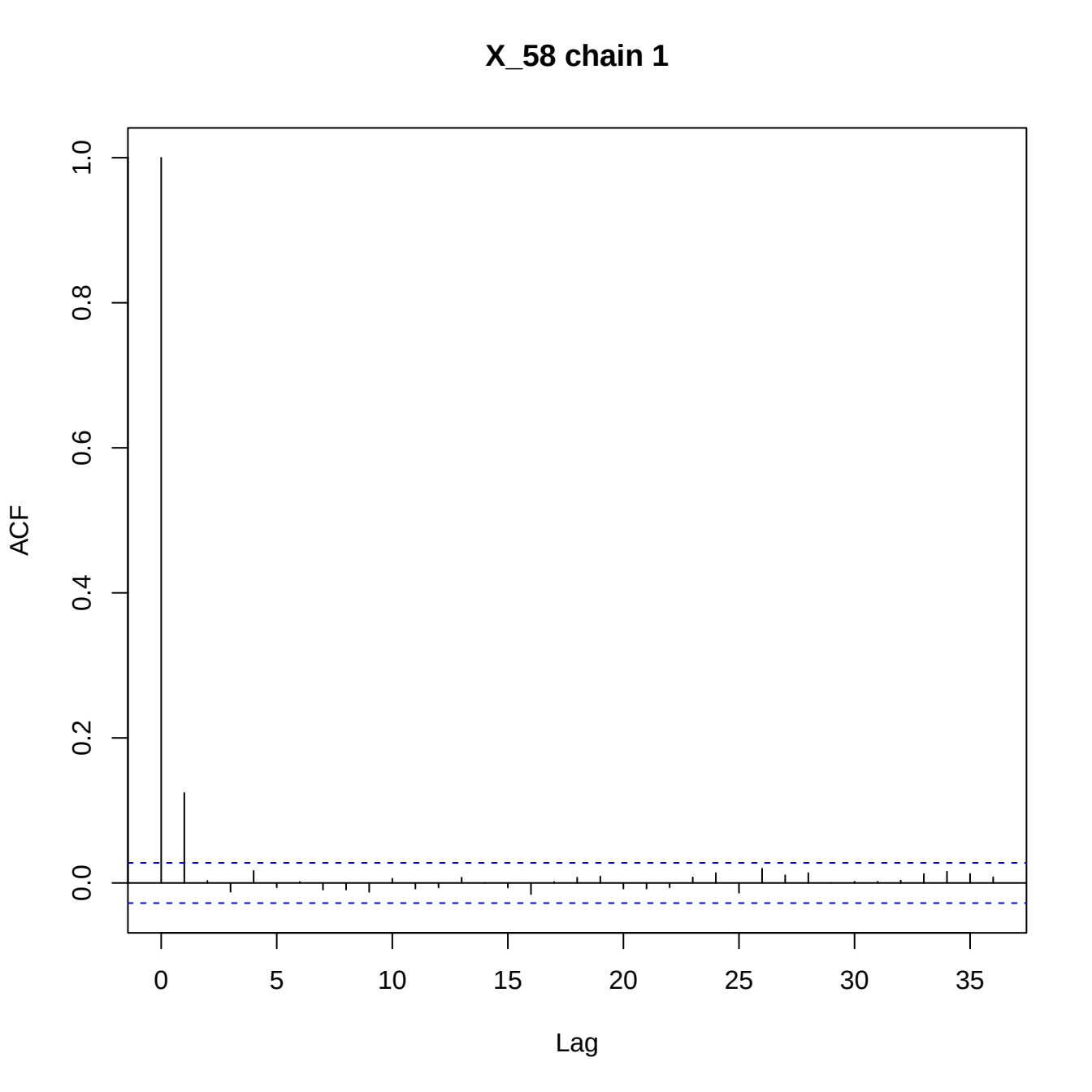
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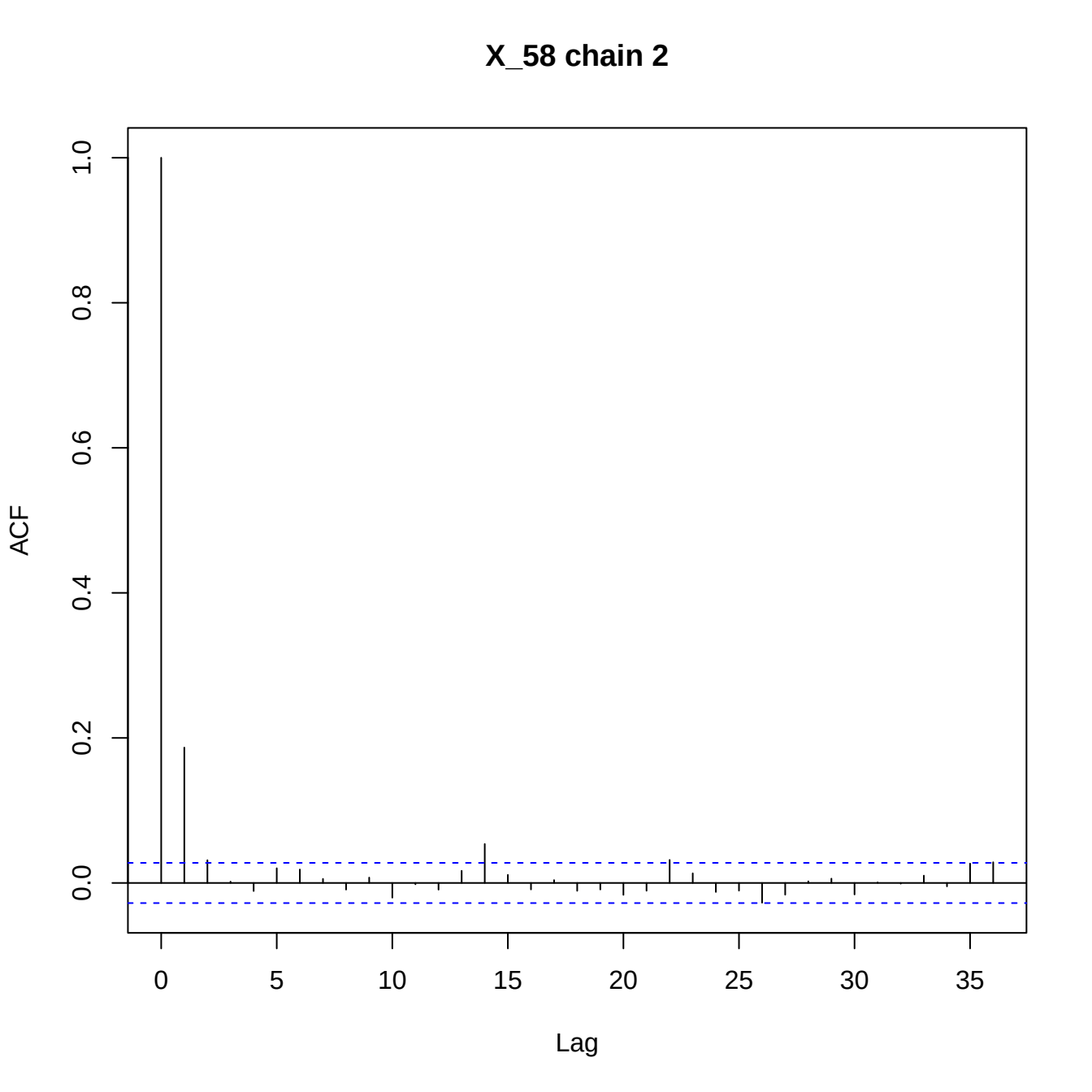
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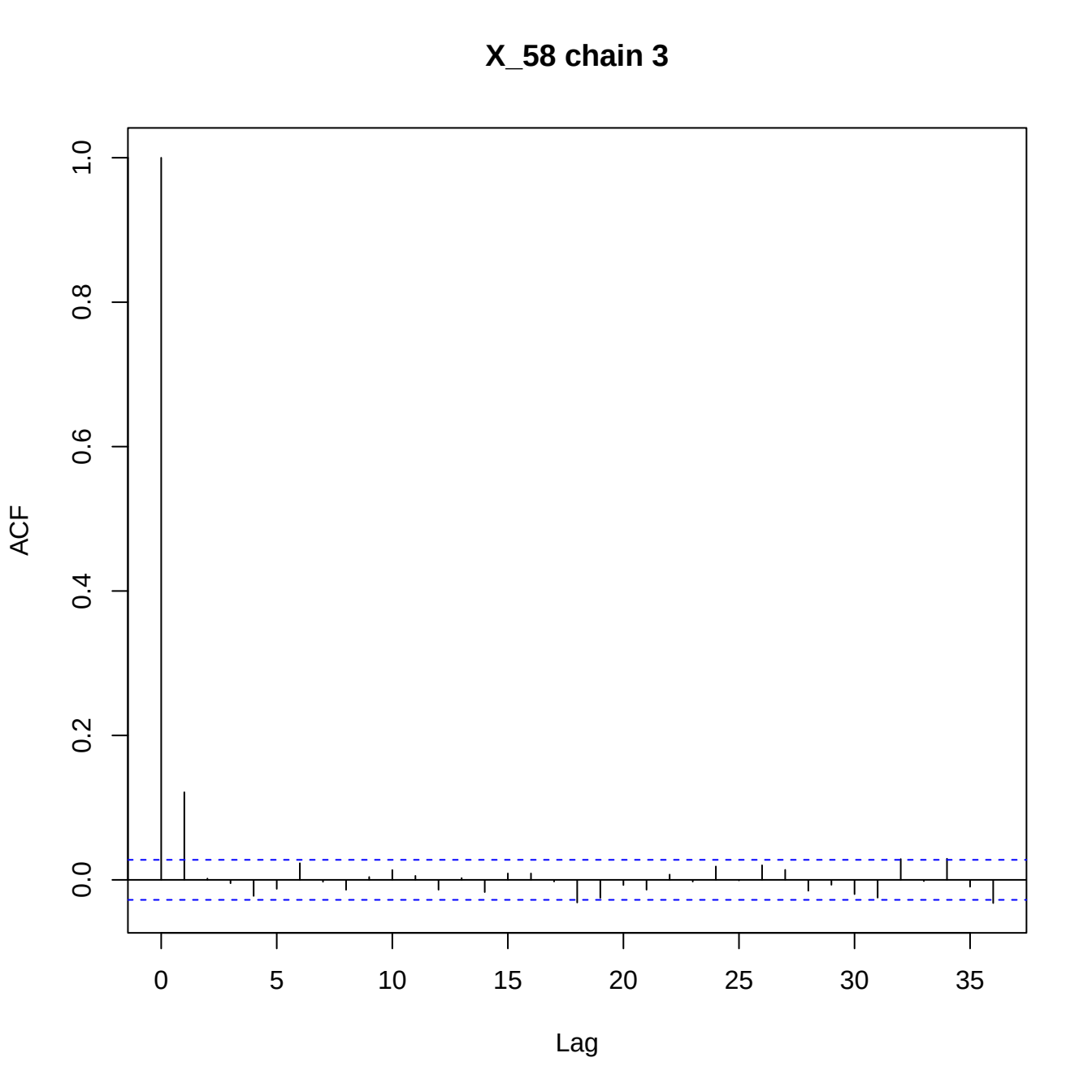
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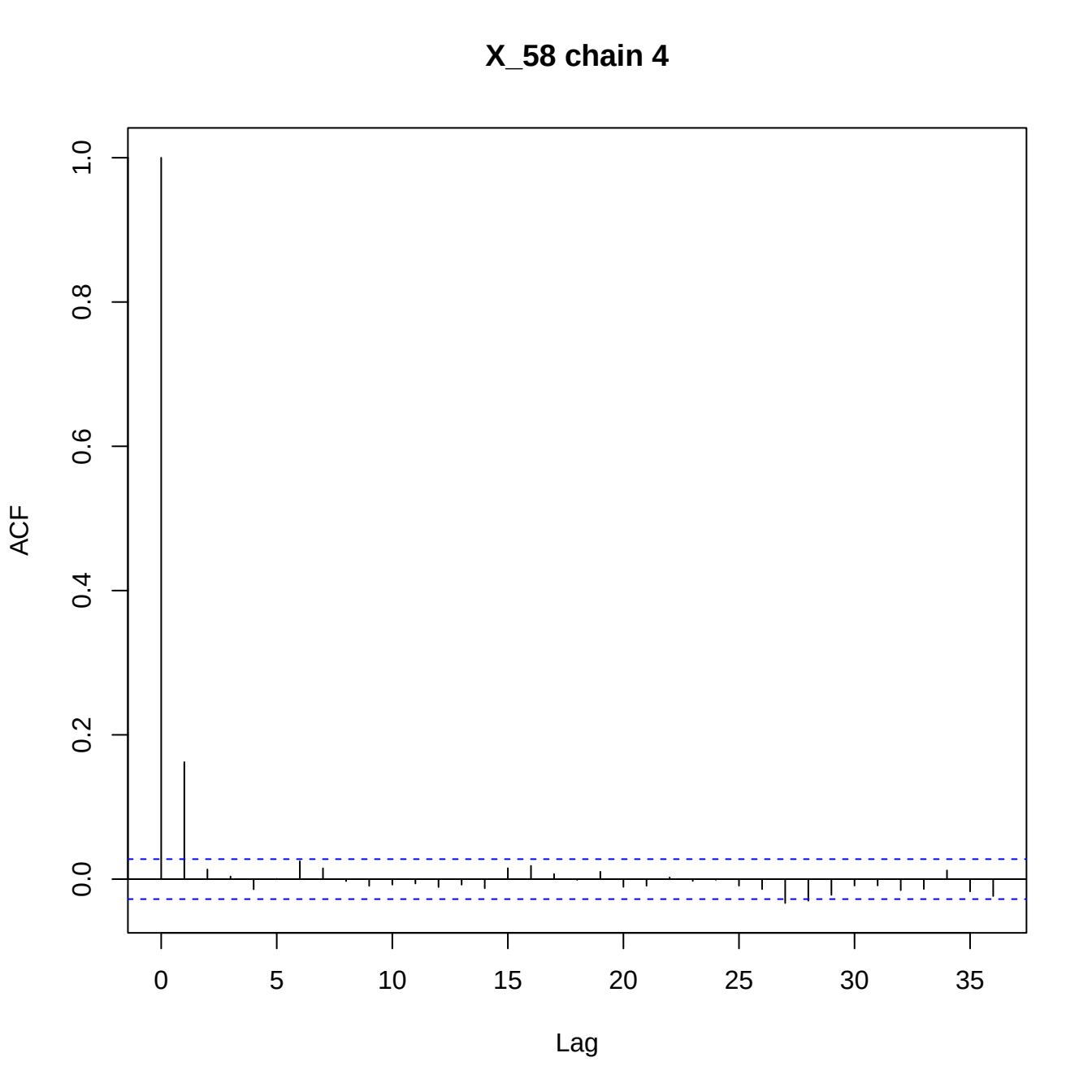
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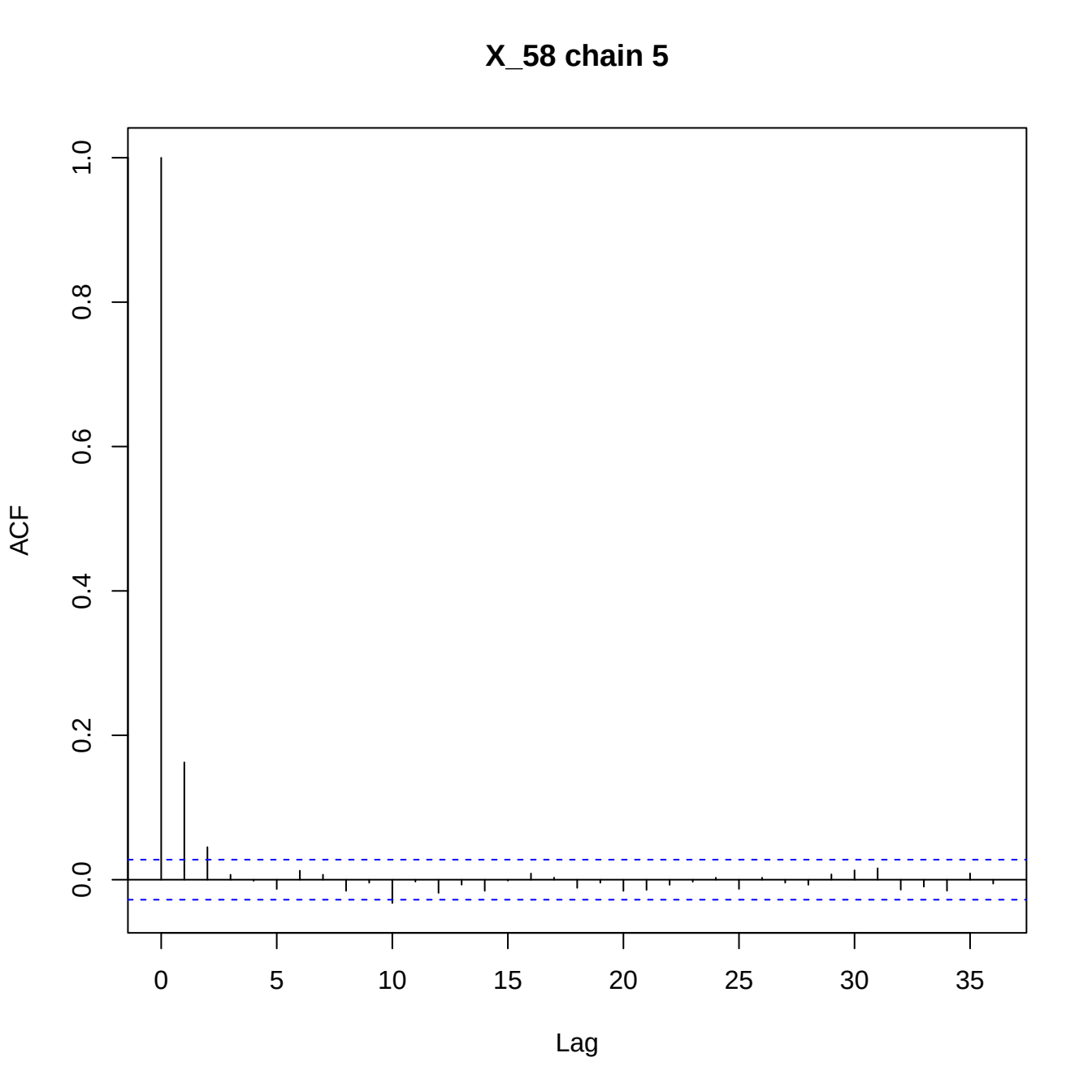
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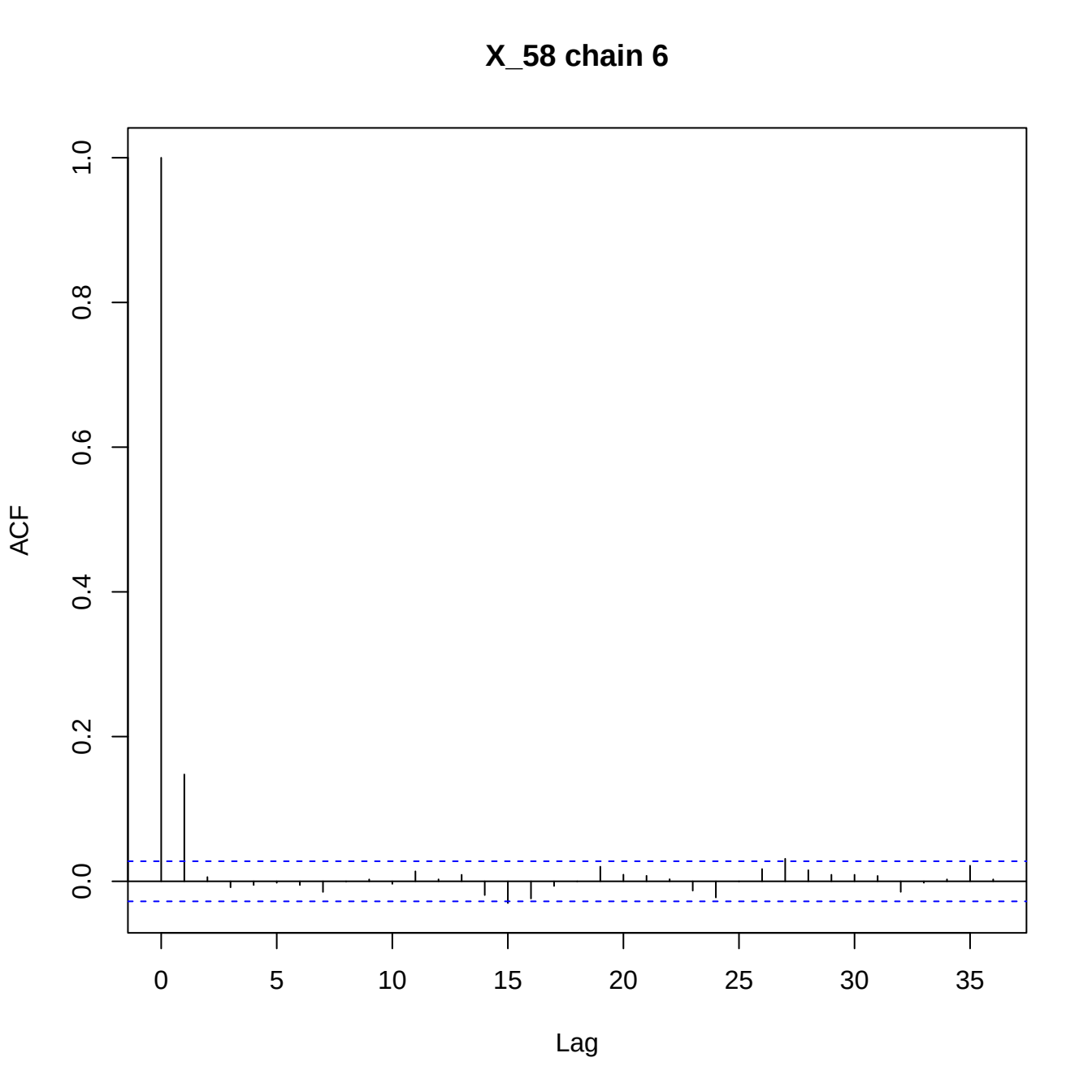
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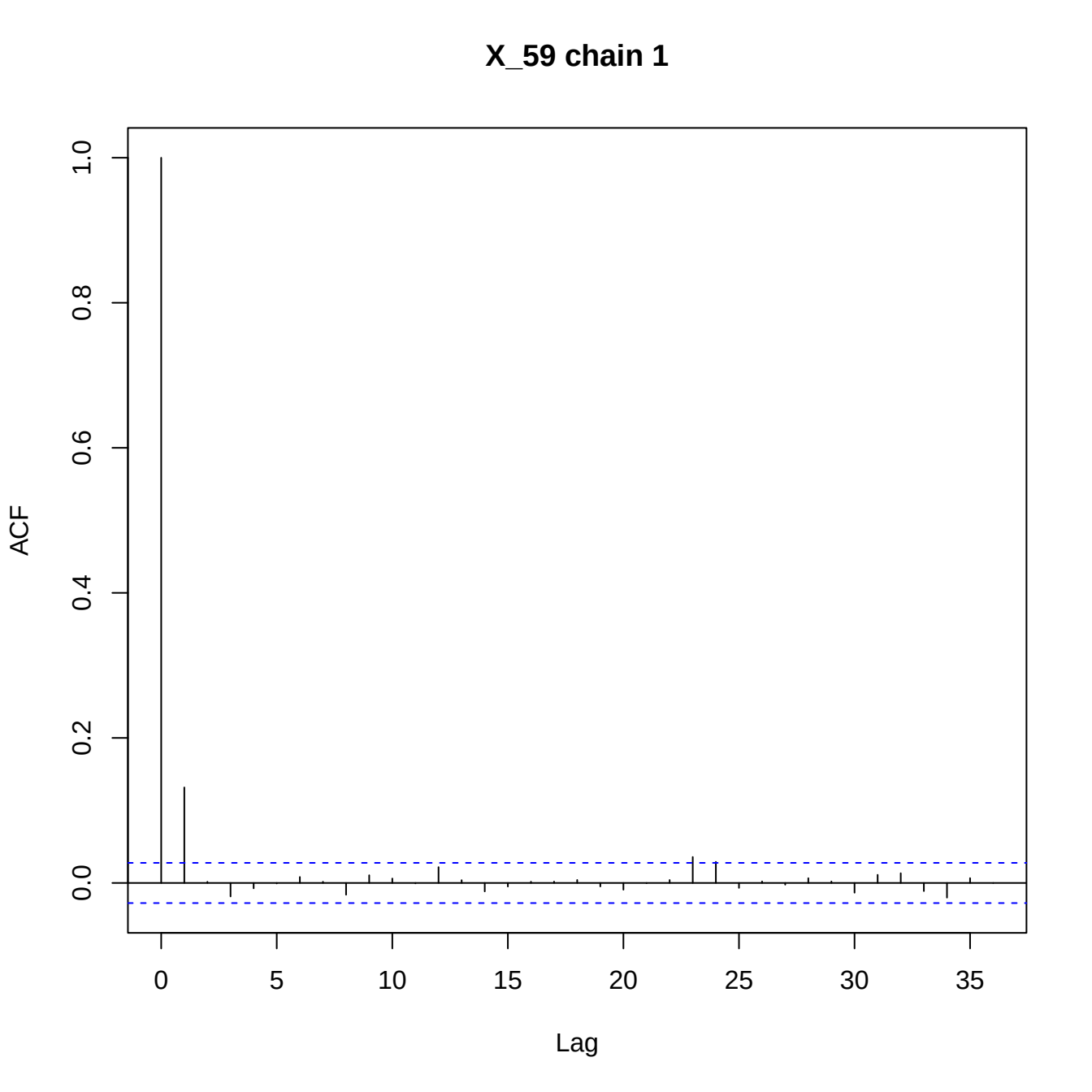
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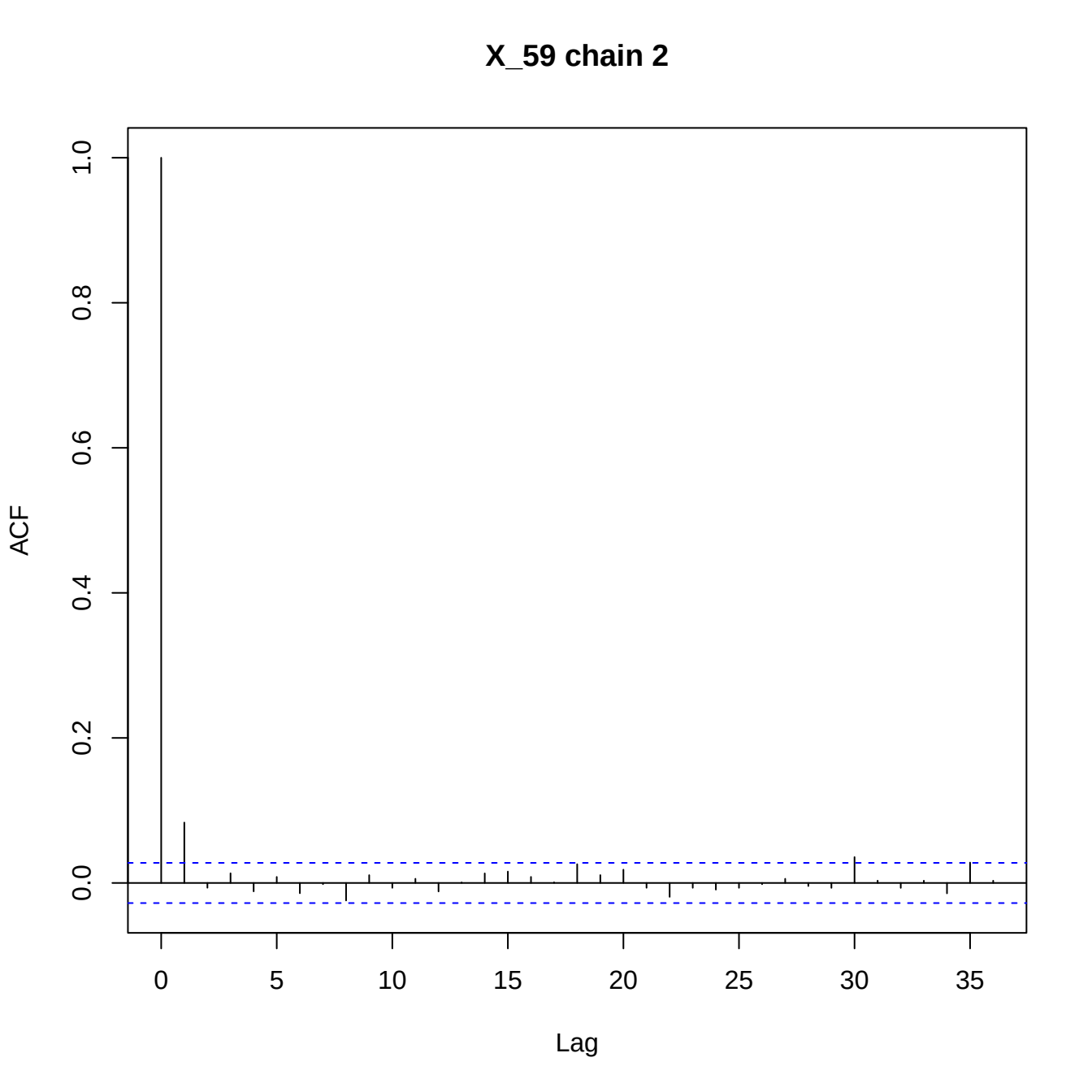
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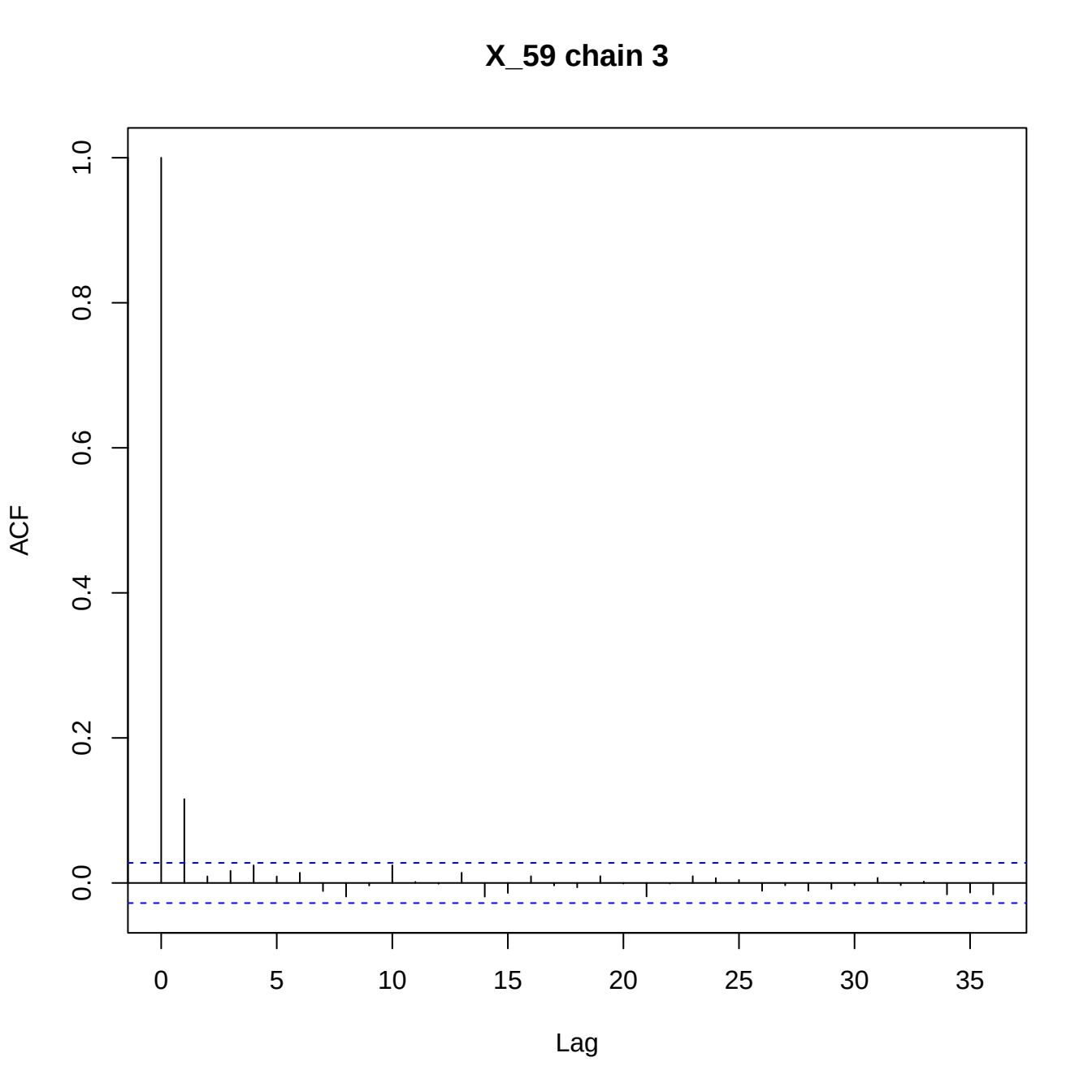
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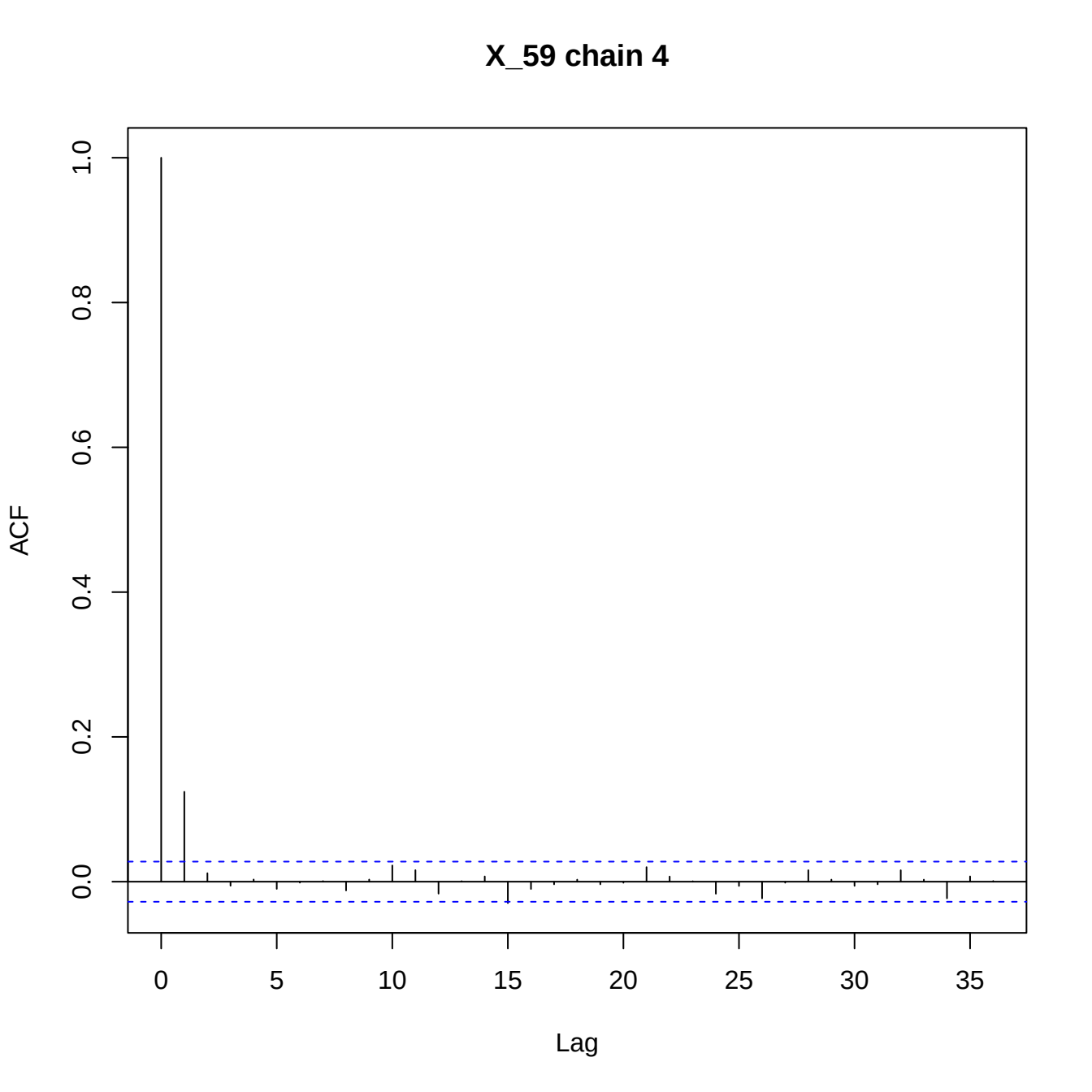
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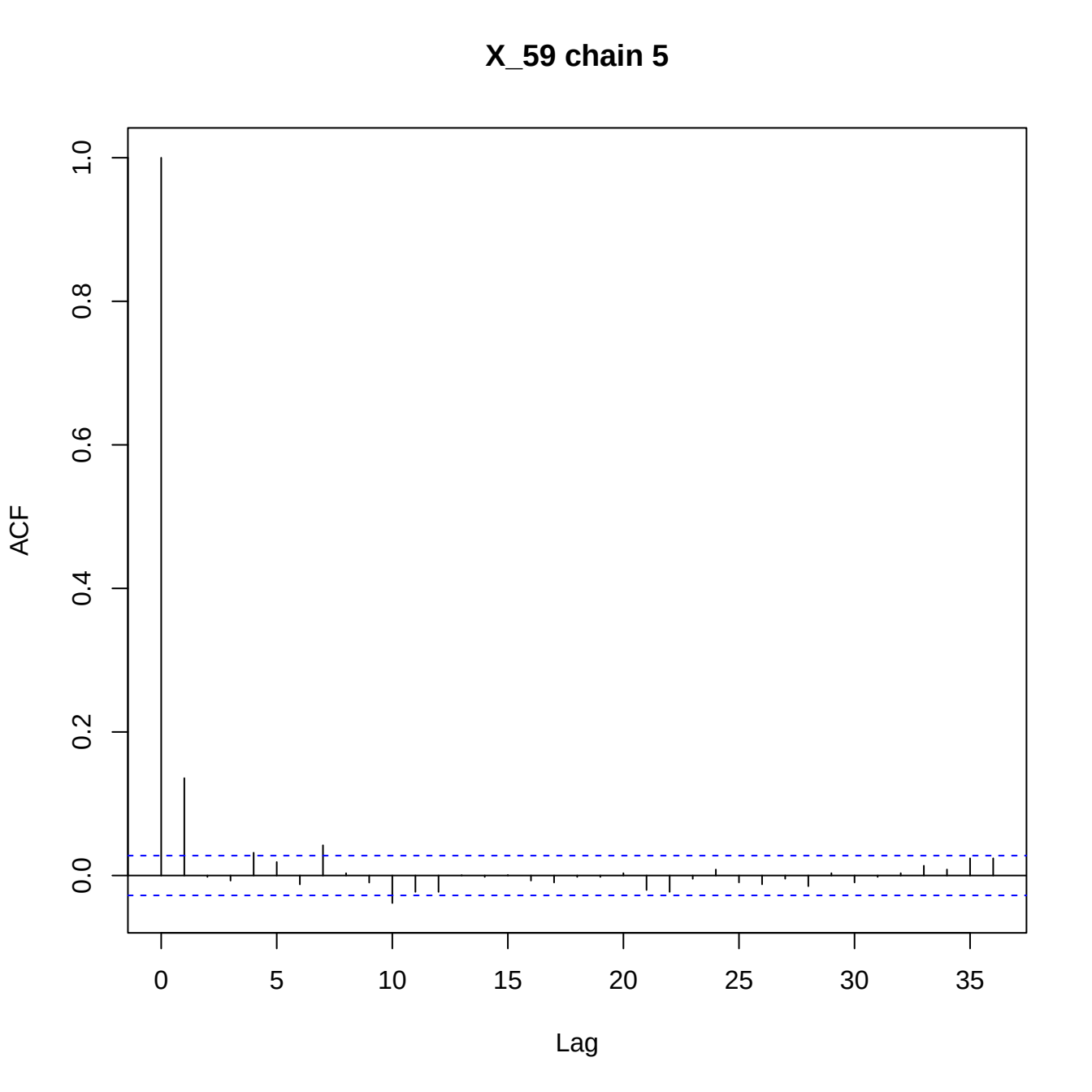
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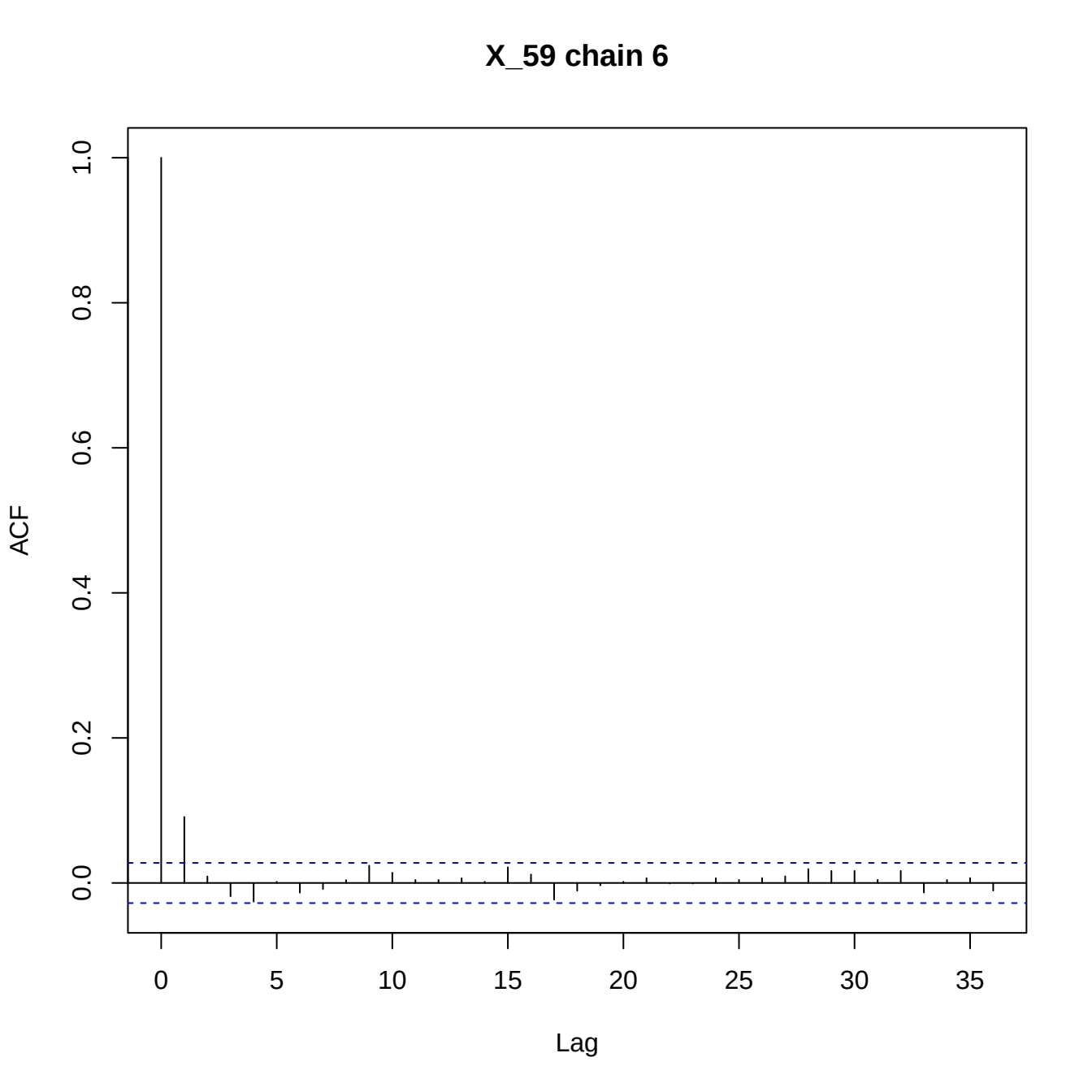
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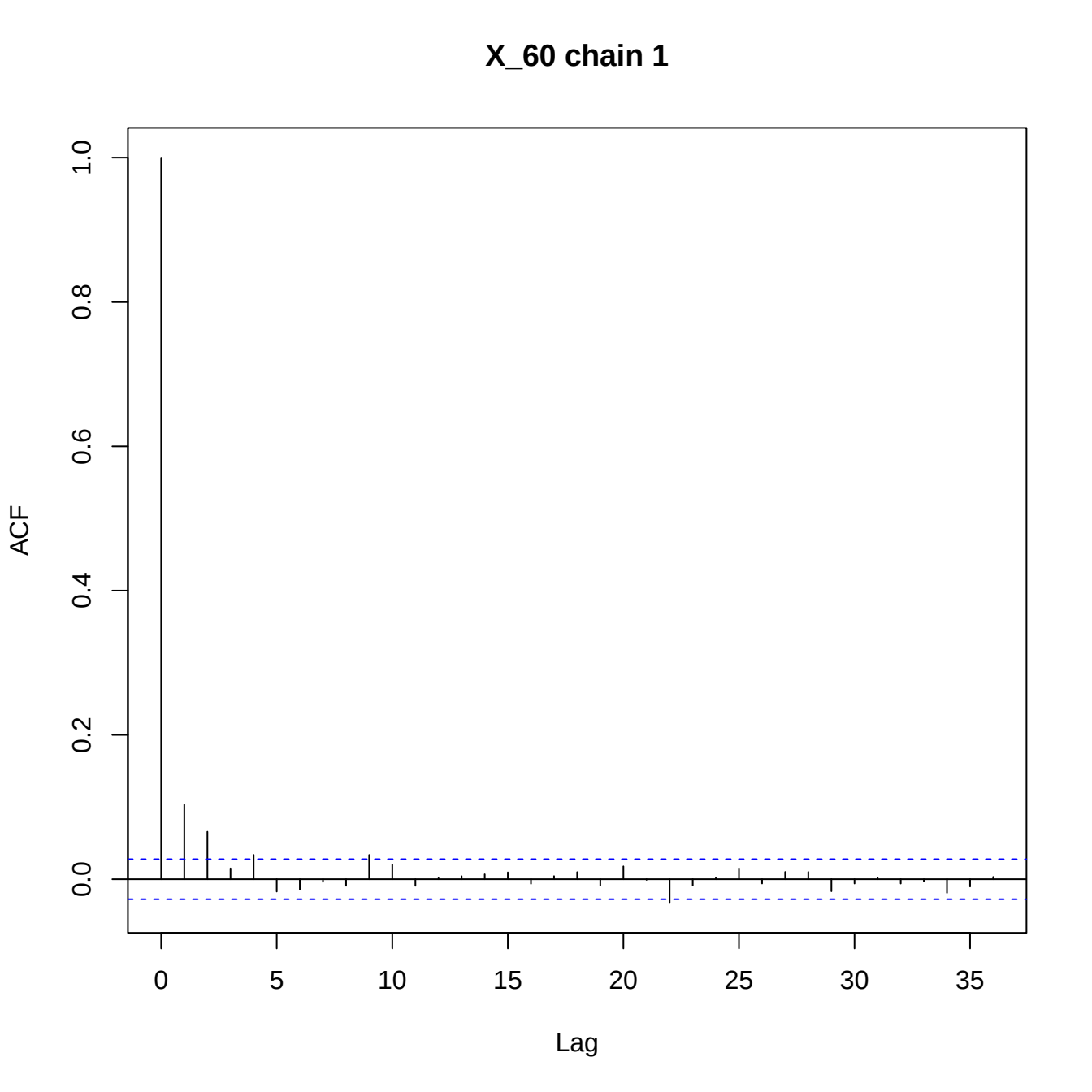
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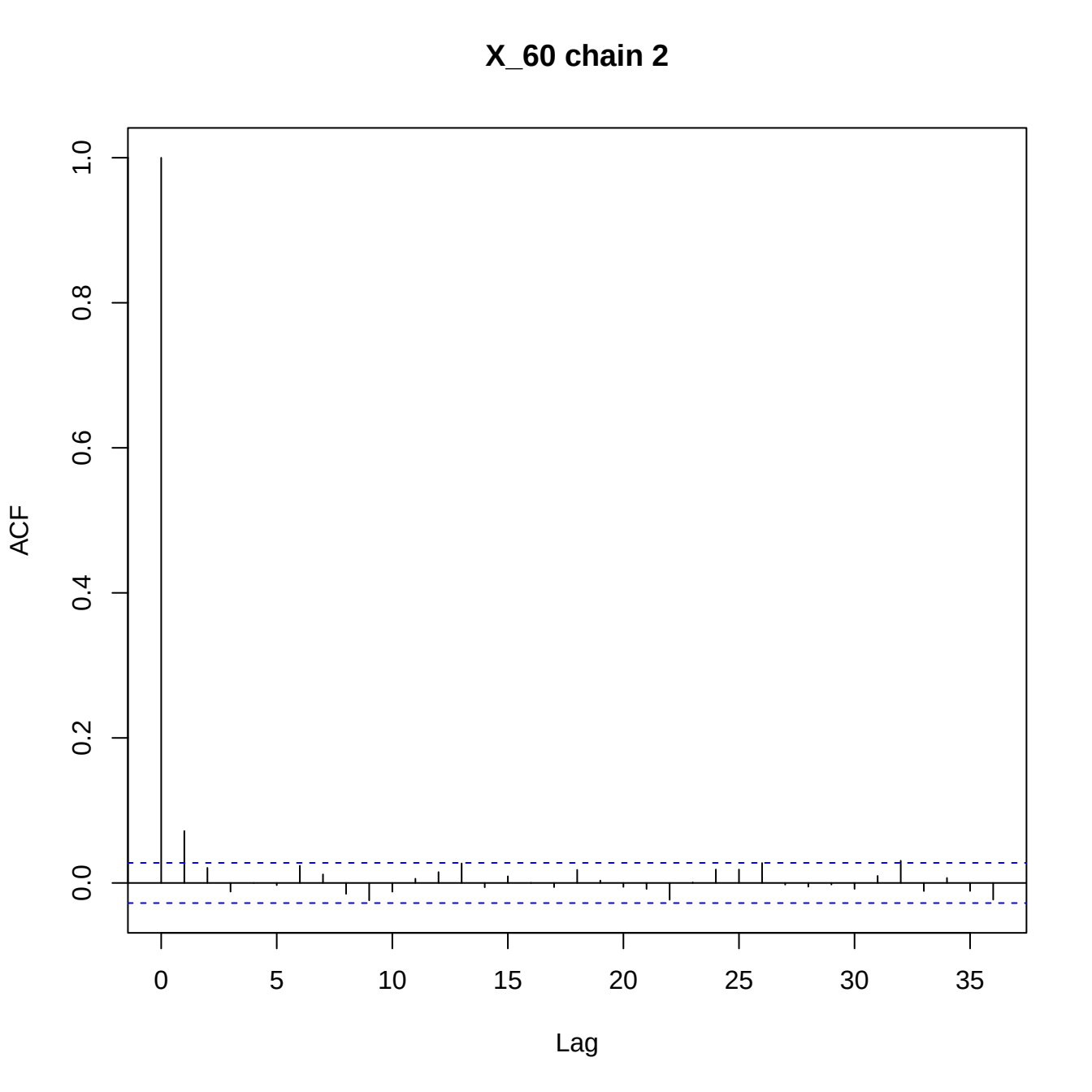
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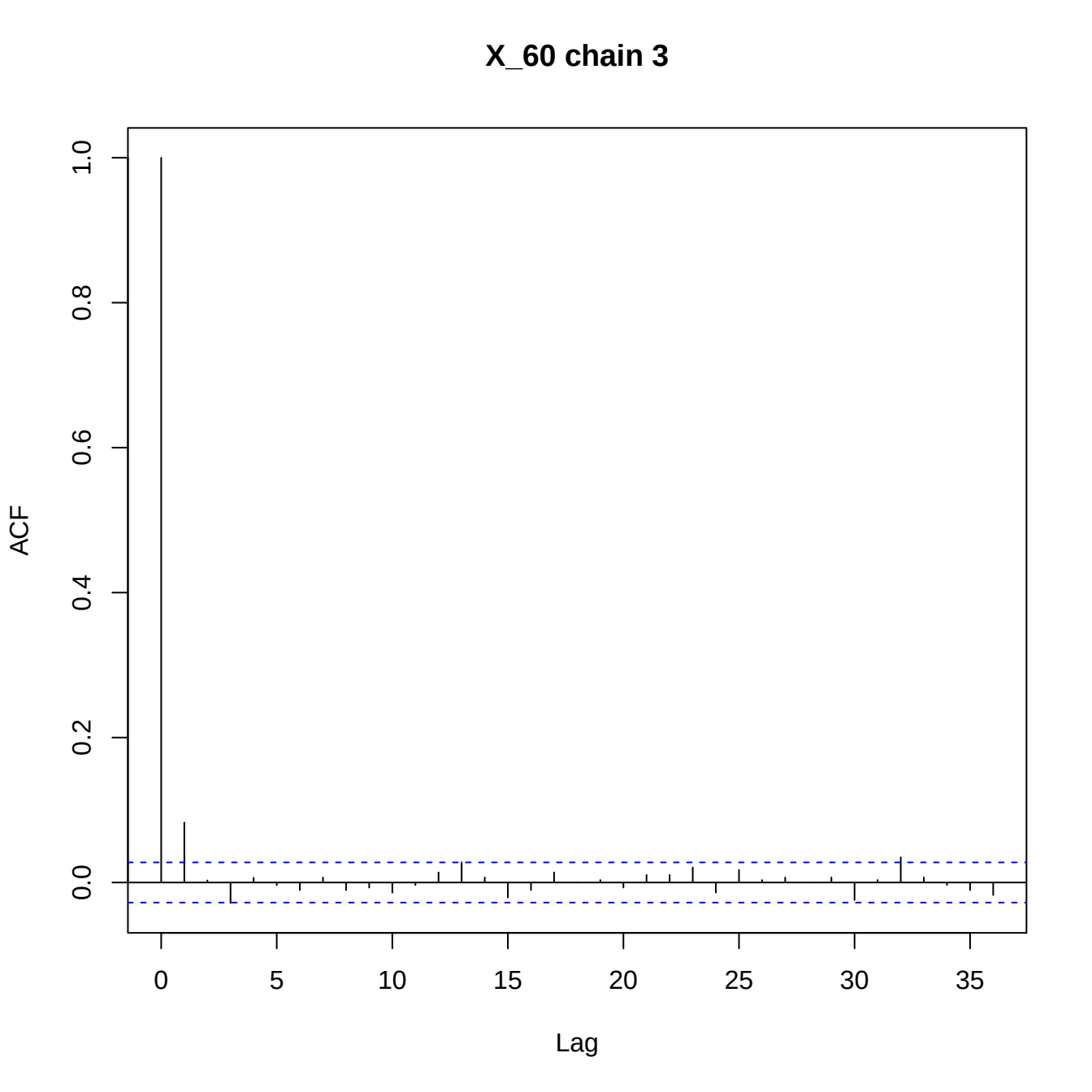
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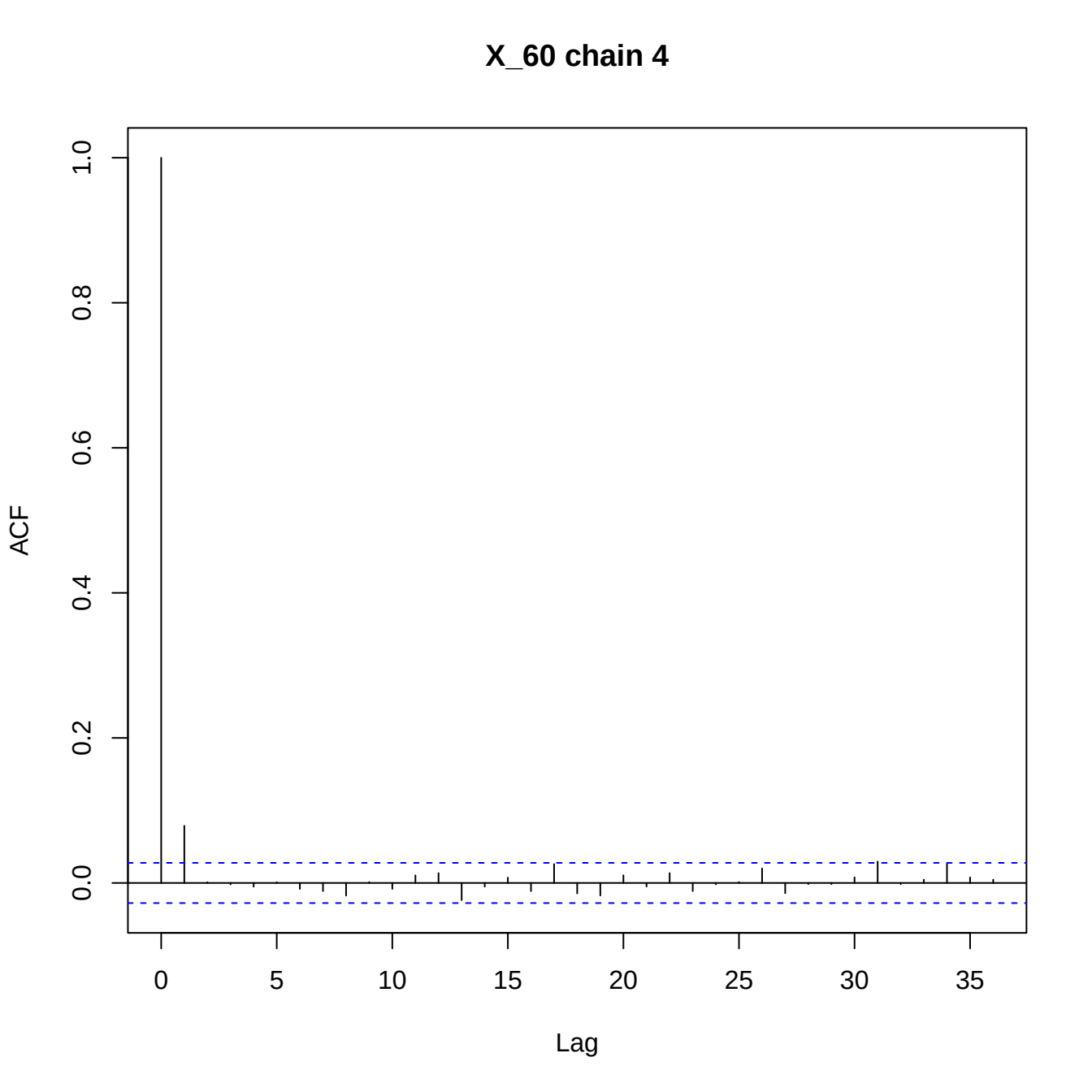
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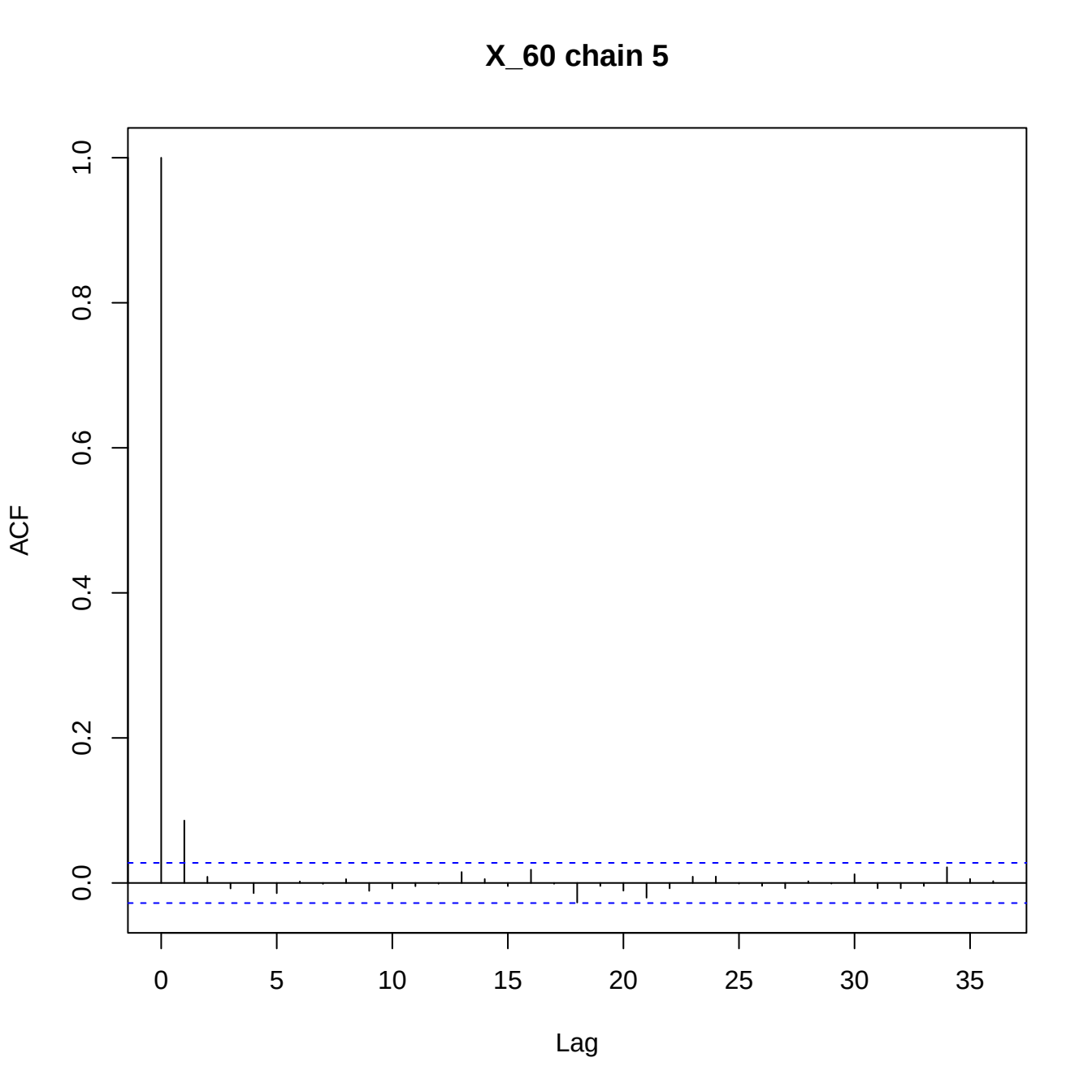
Lag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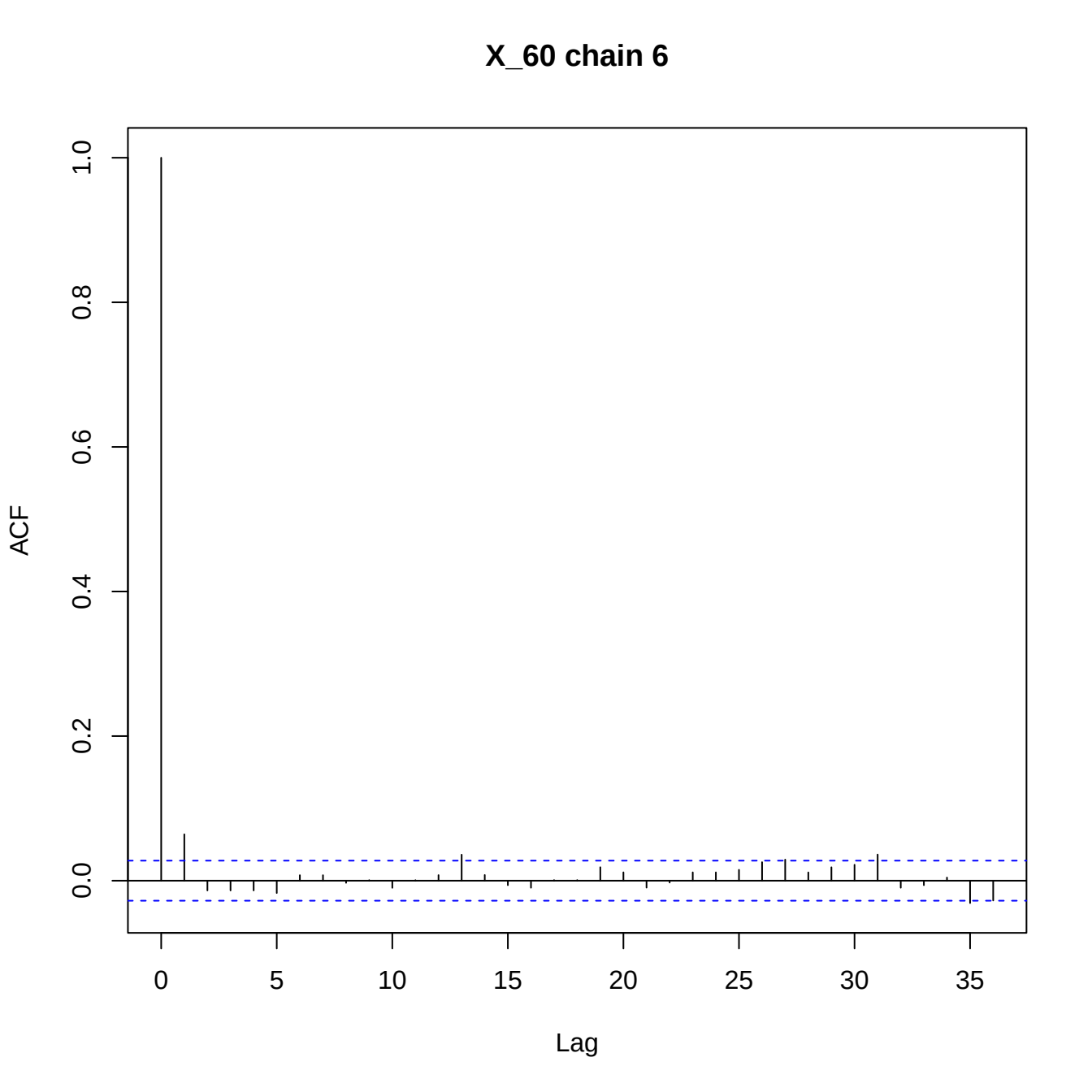
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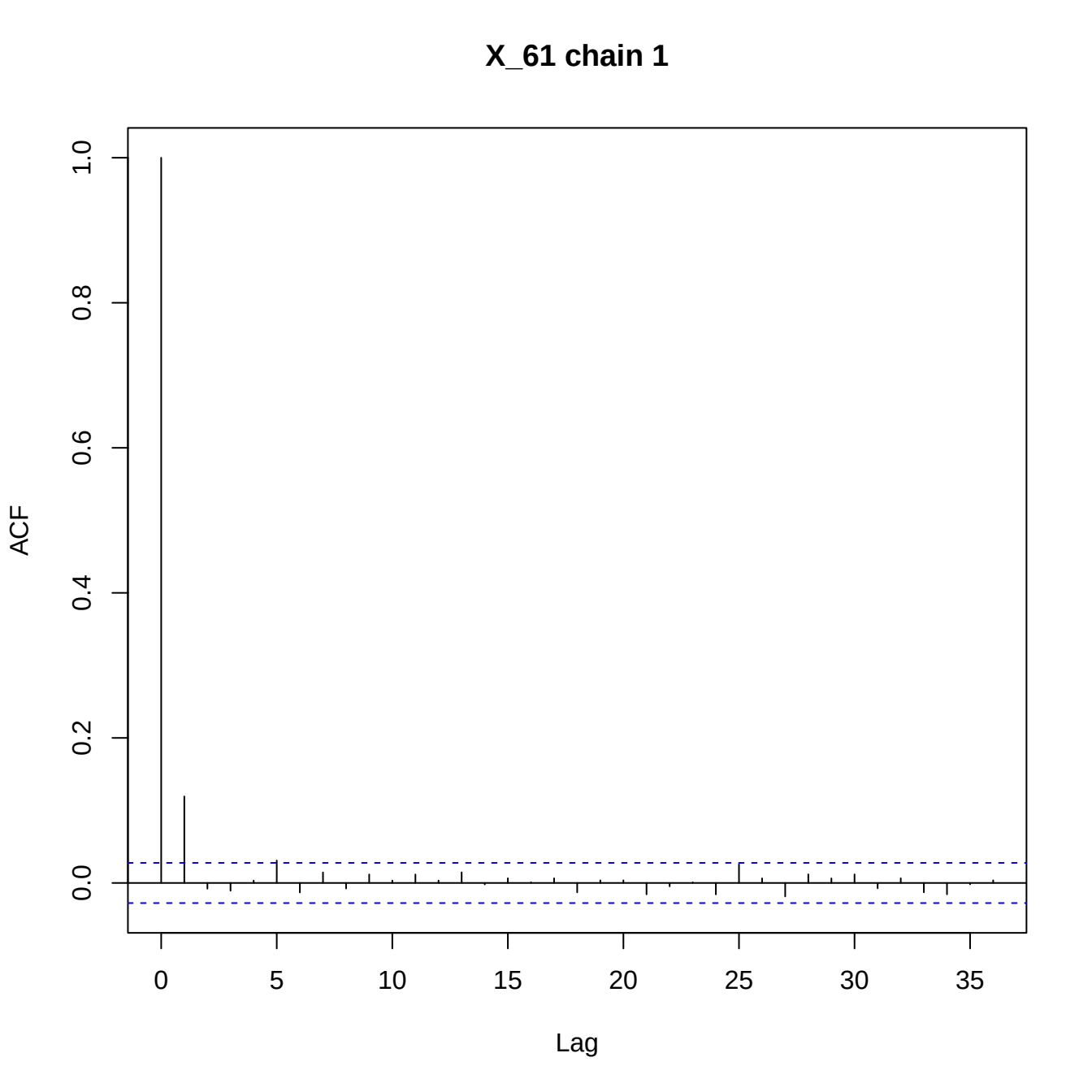
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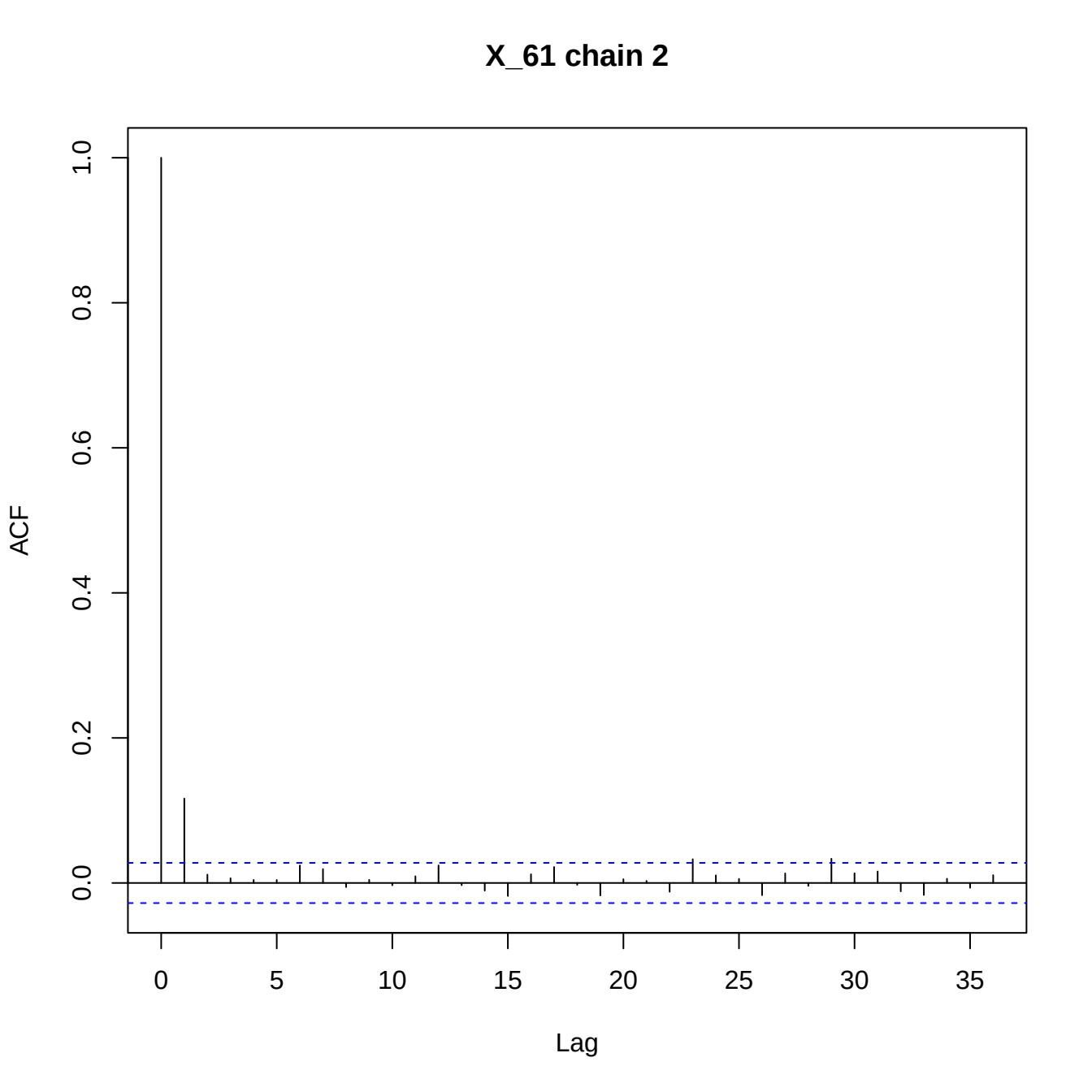
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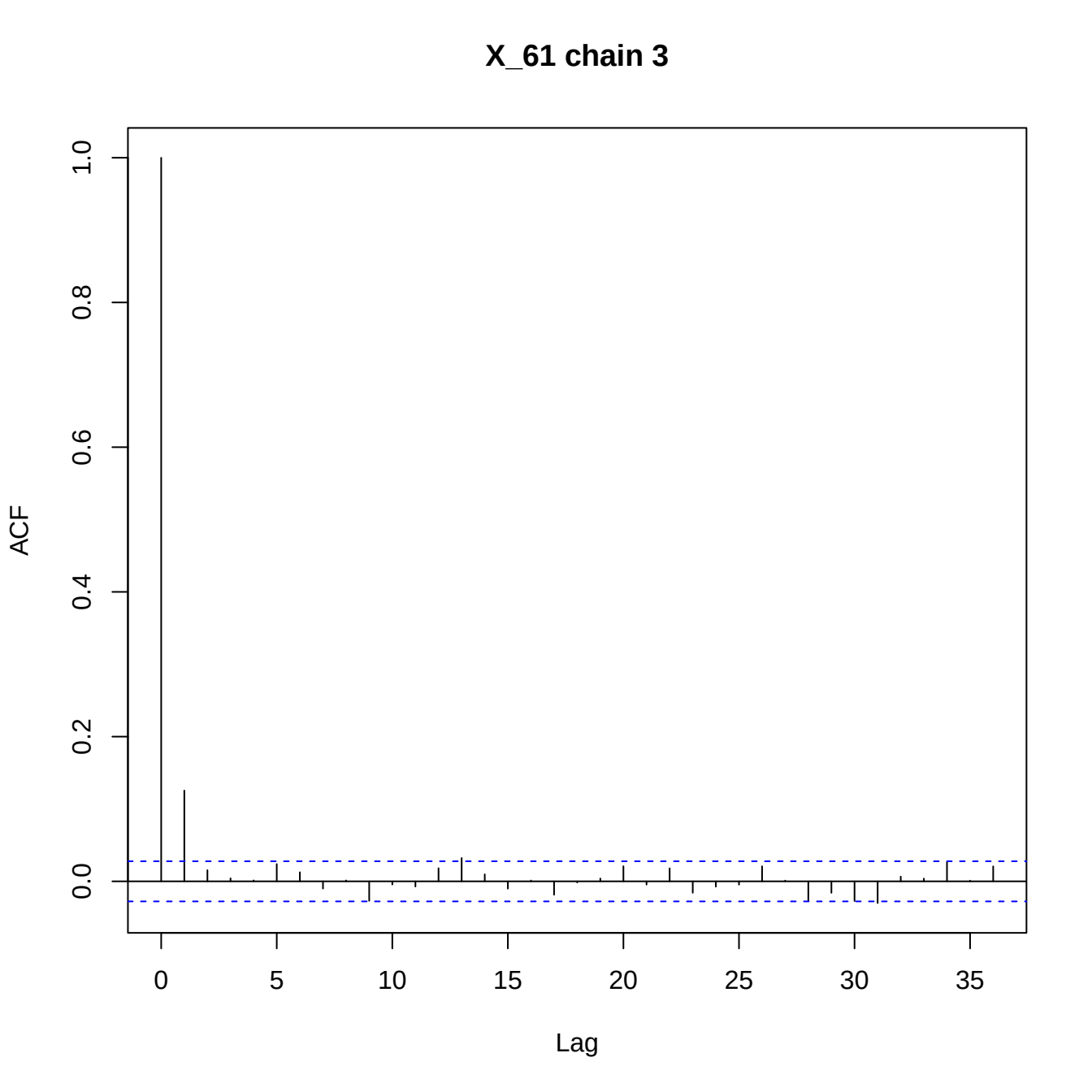
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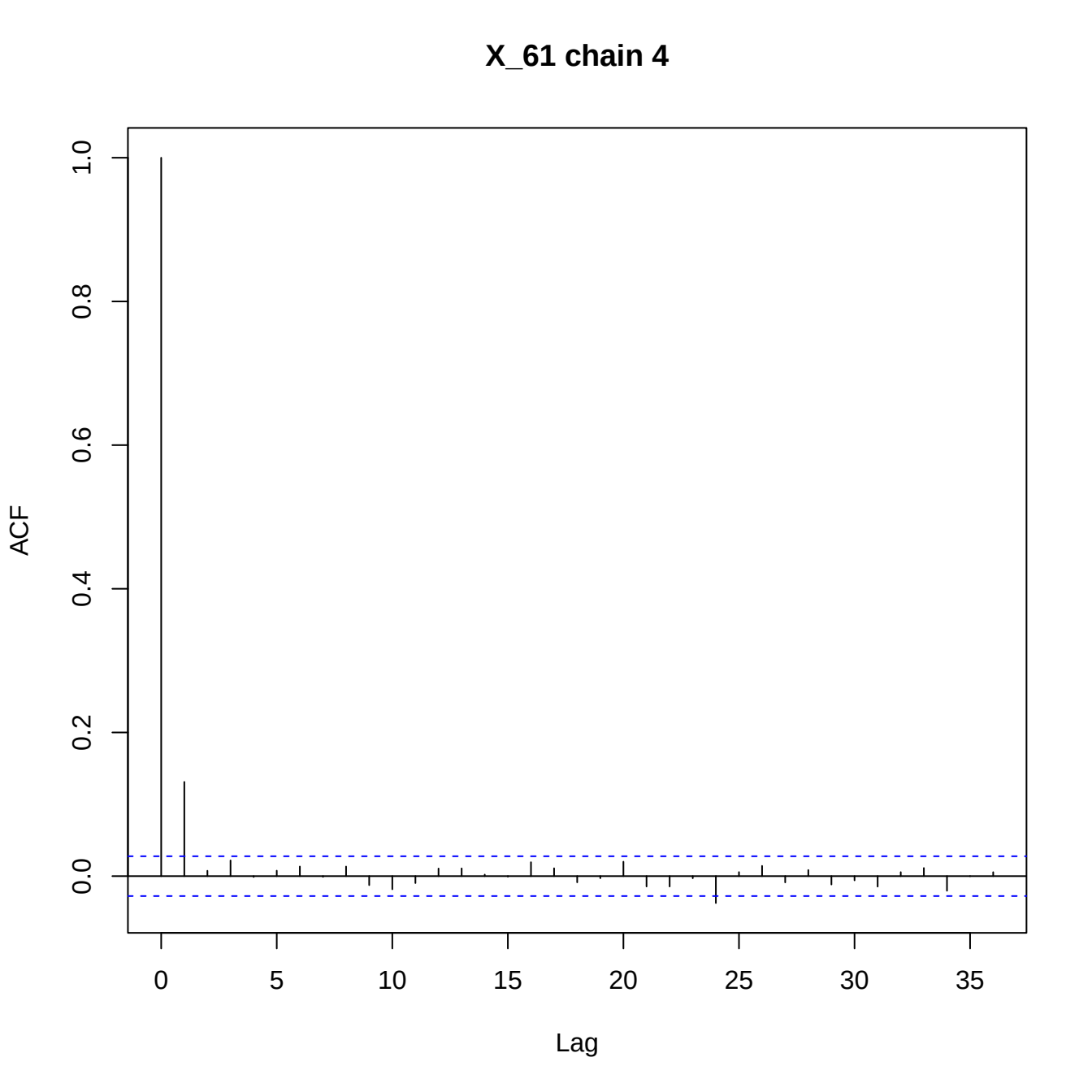
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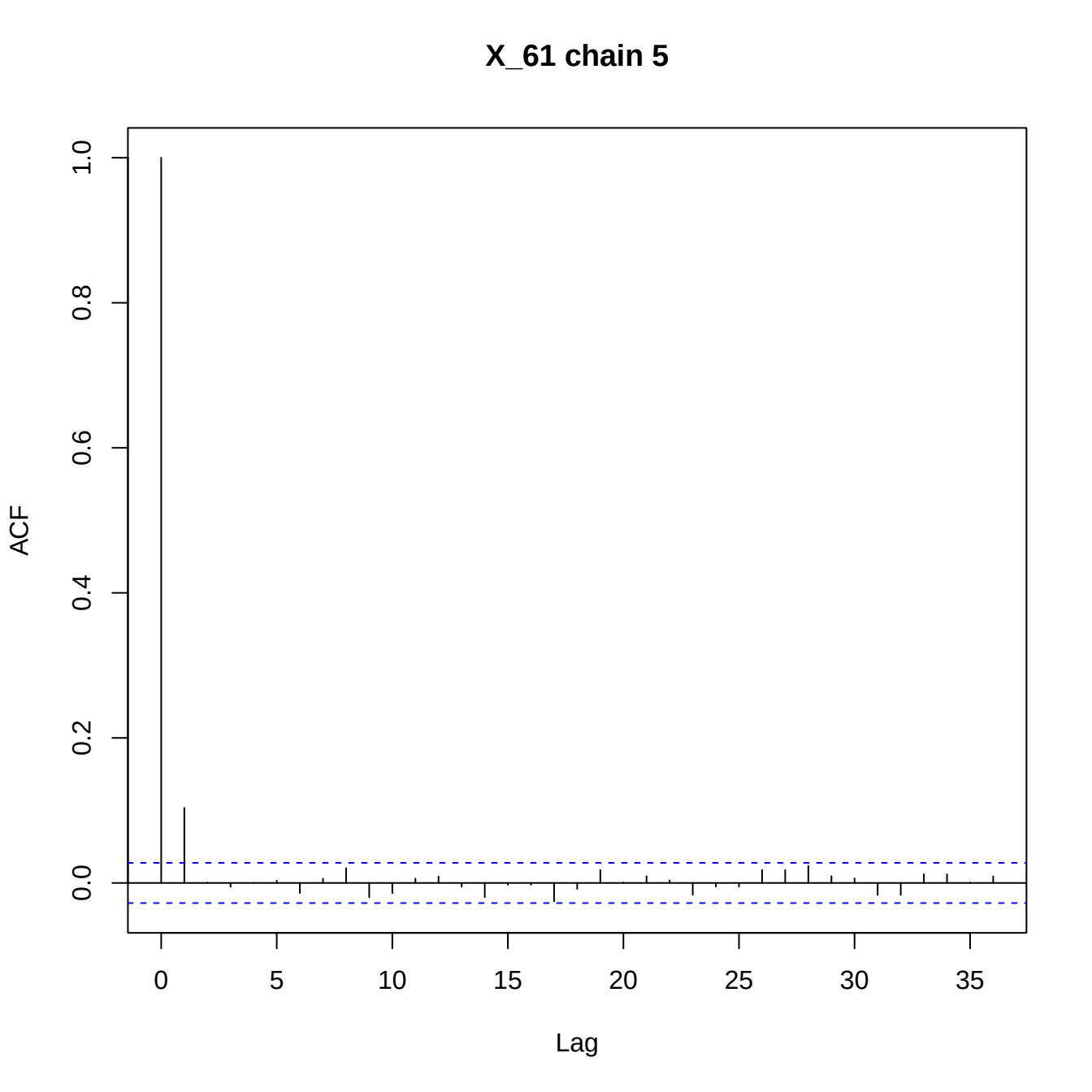
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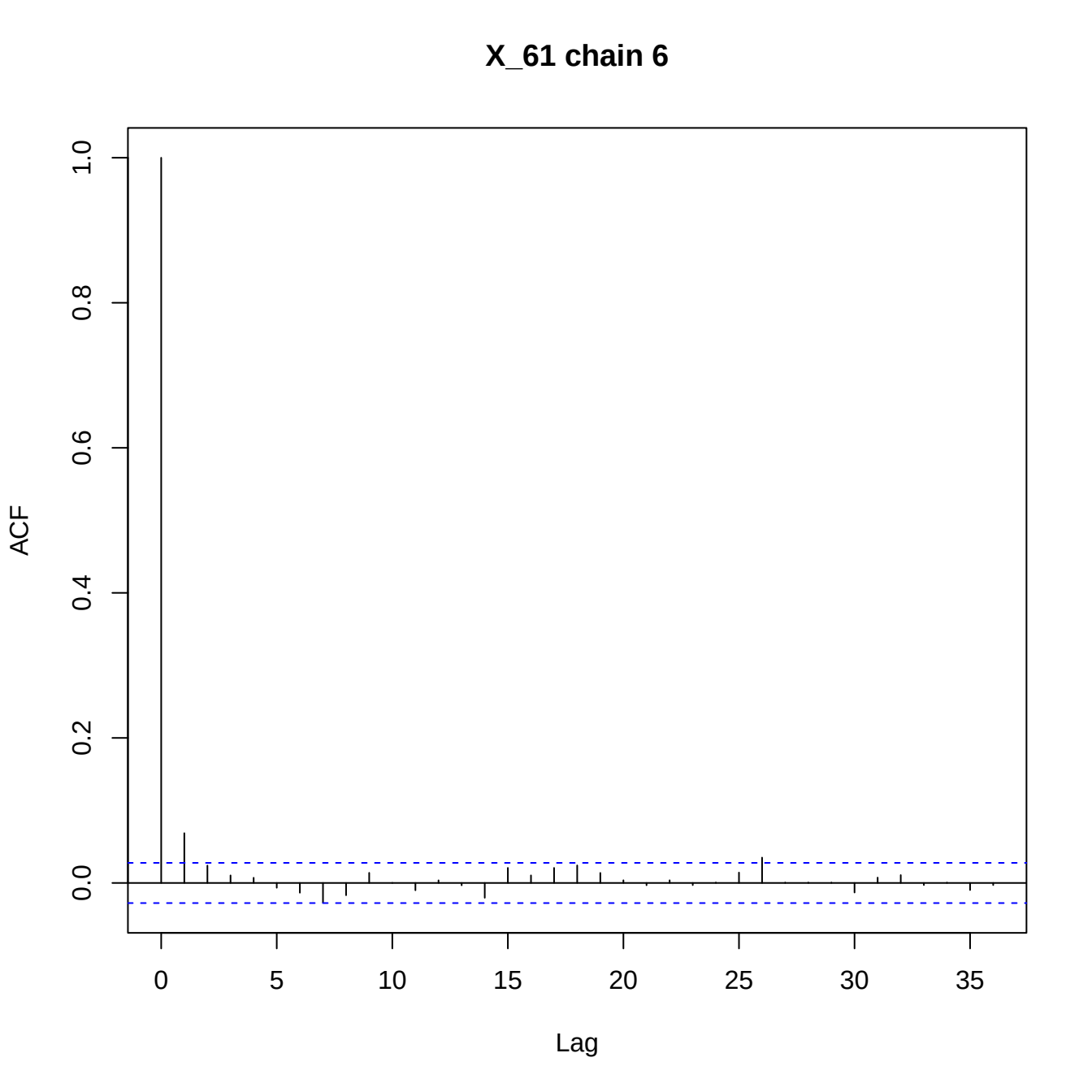
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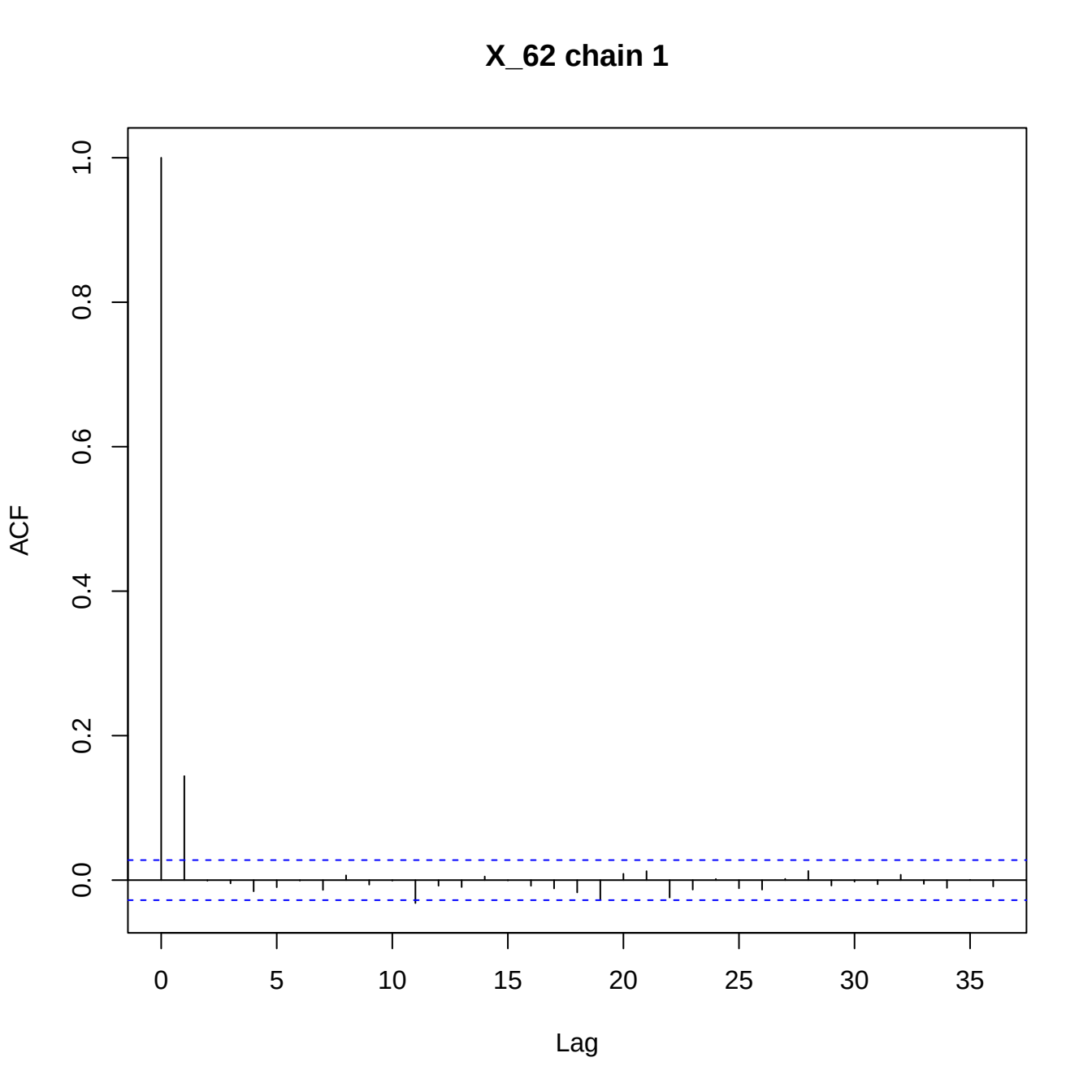
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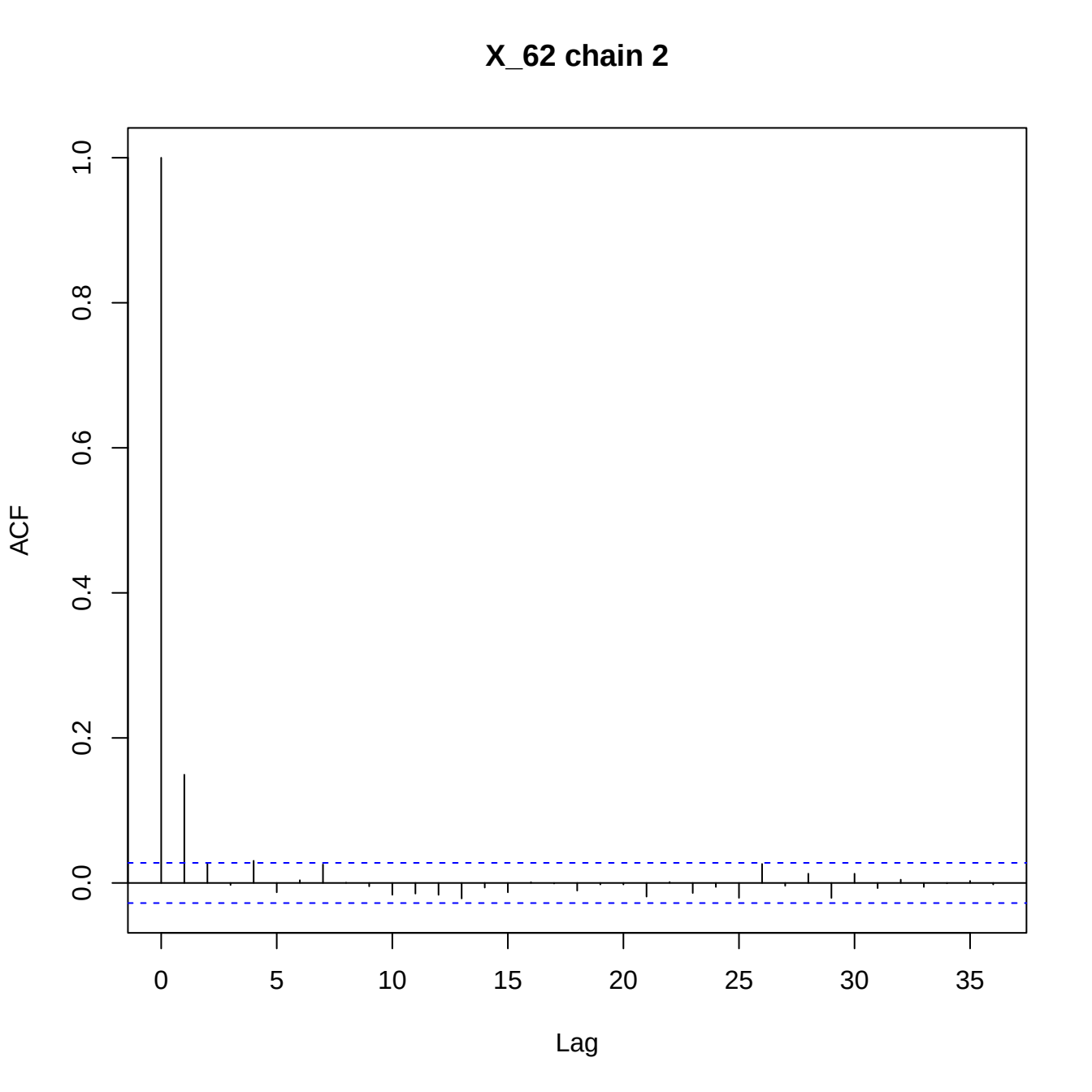
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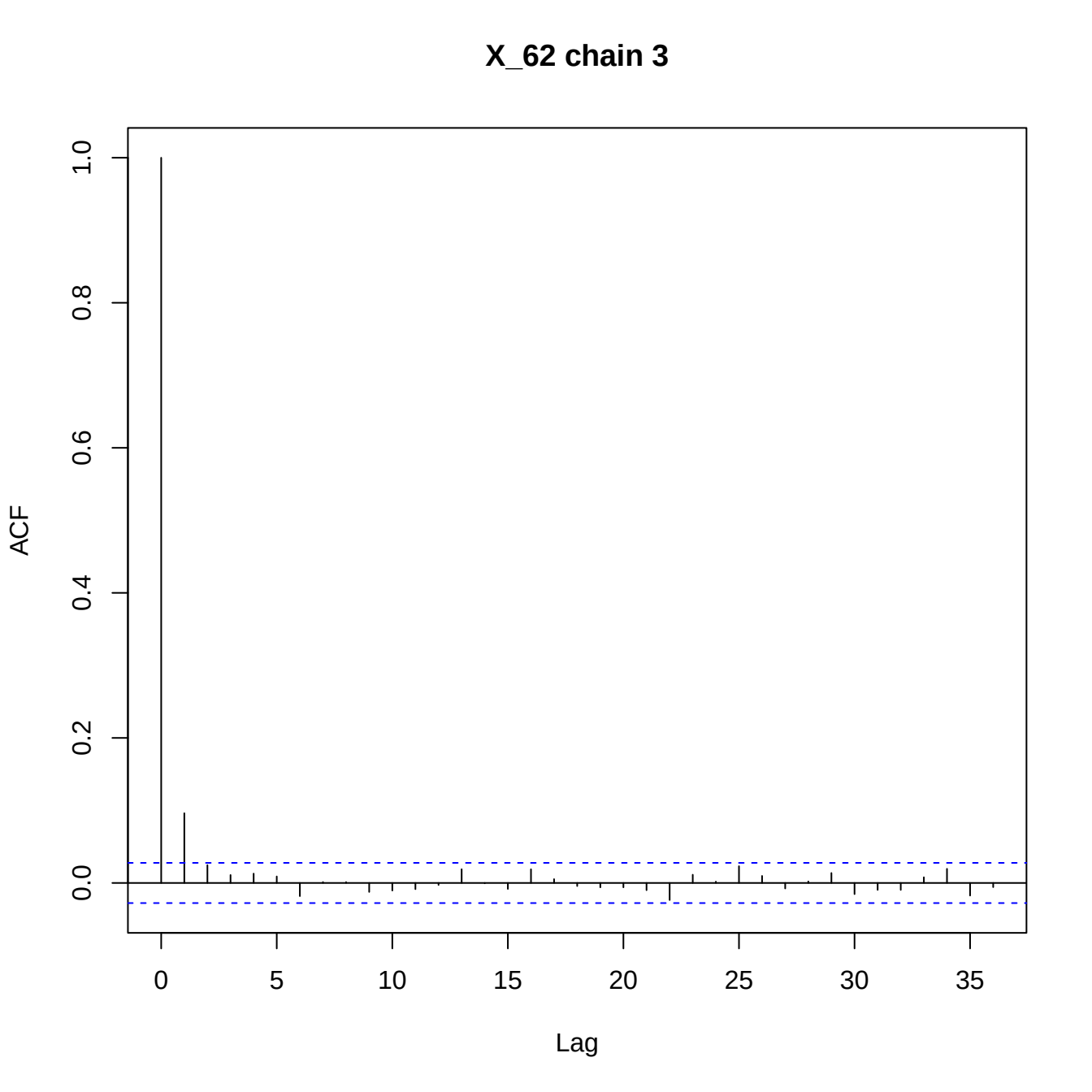
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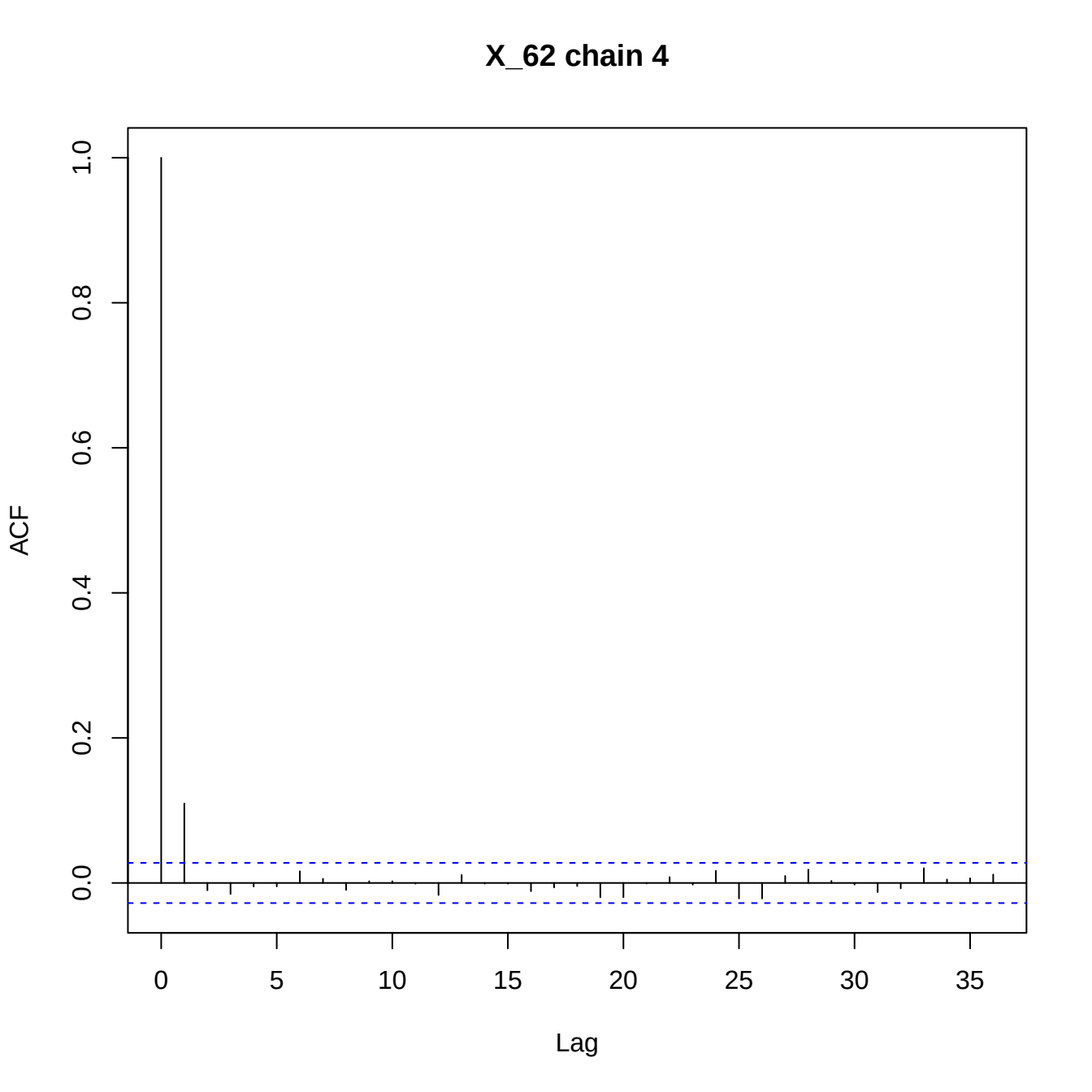
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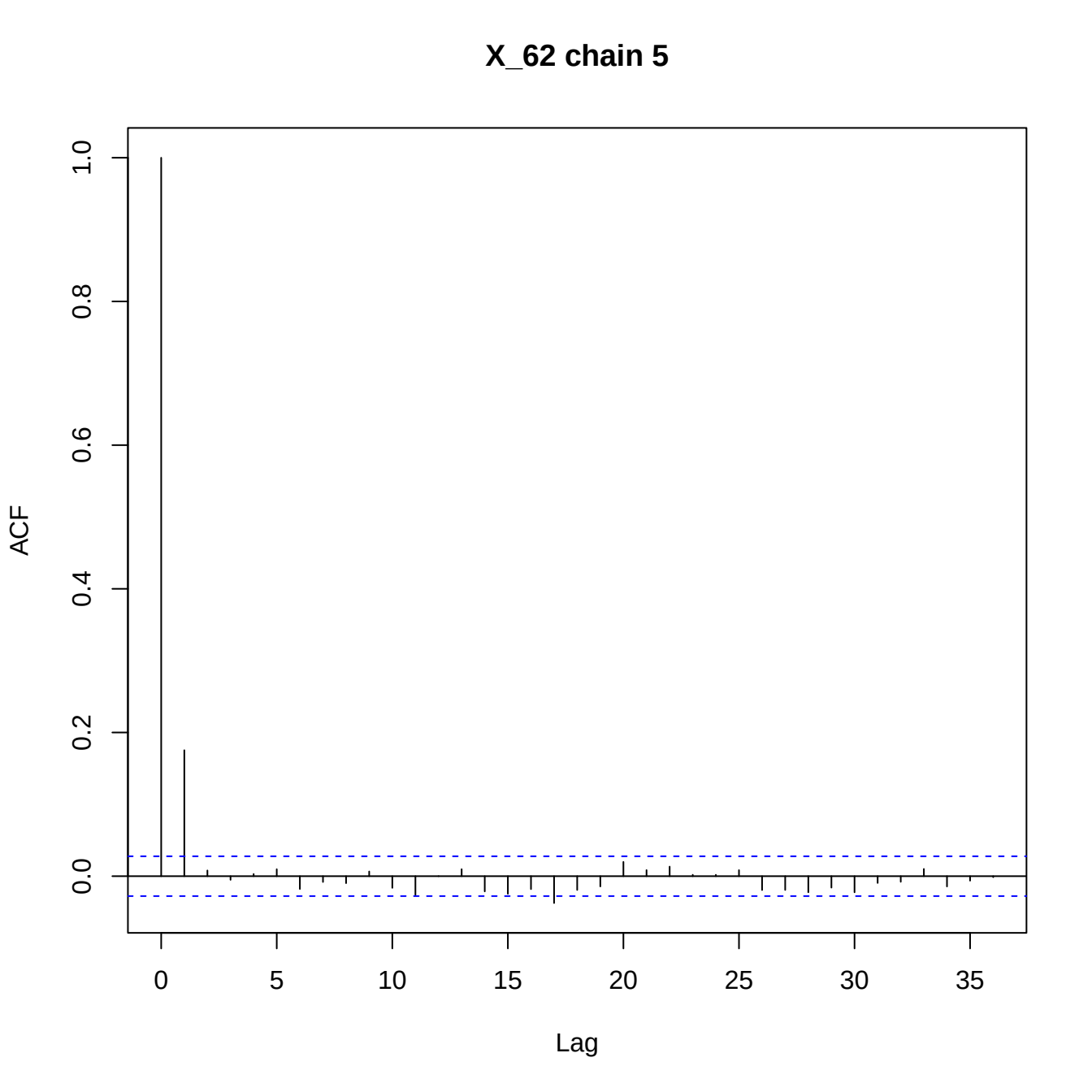
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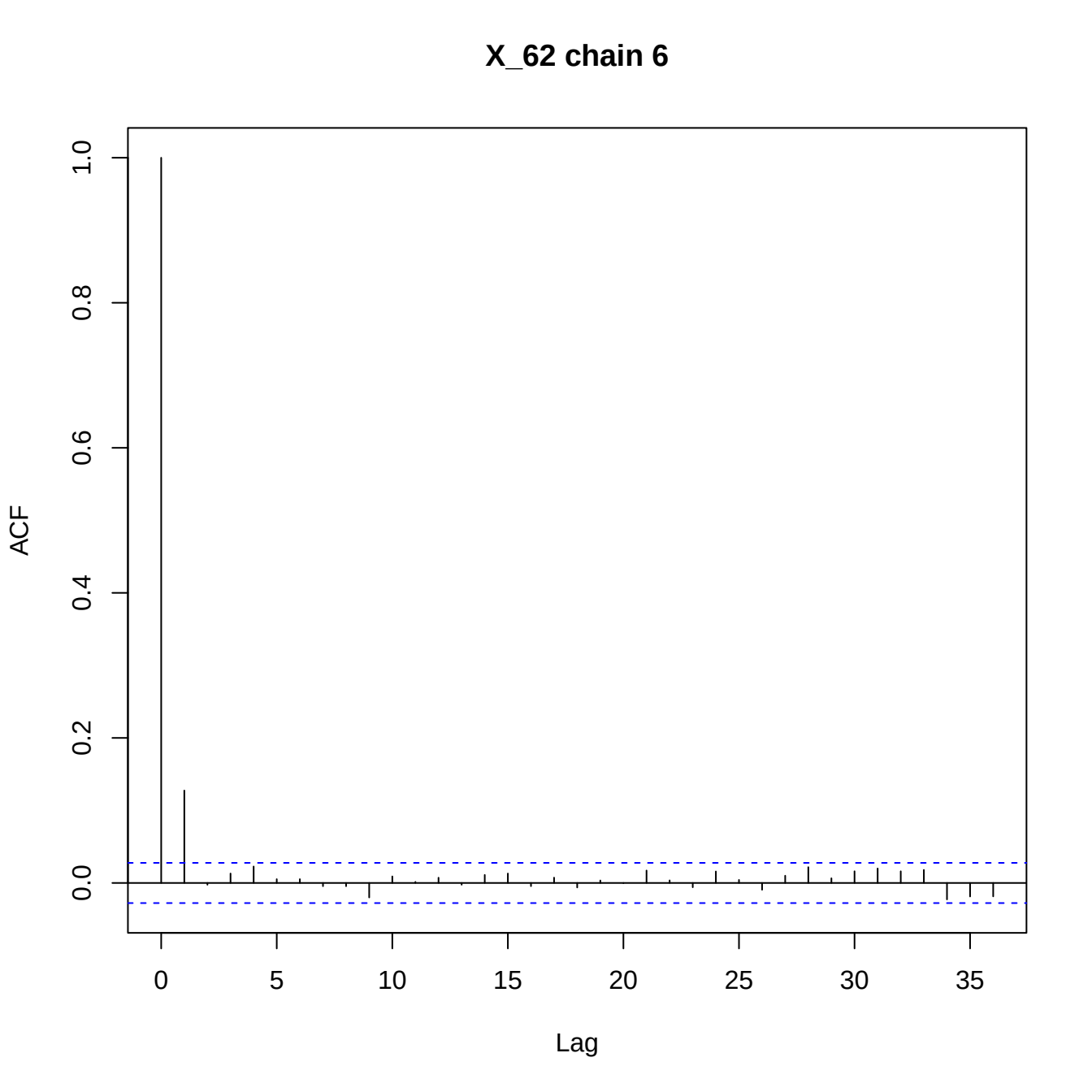
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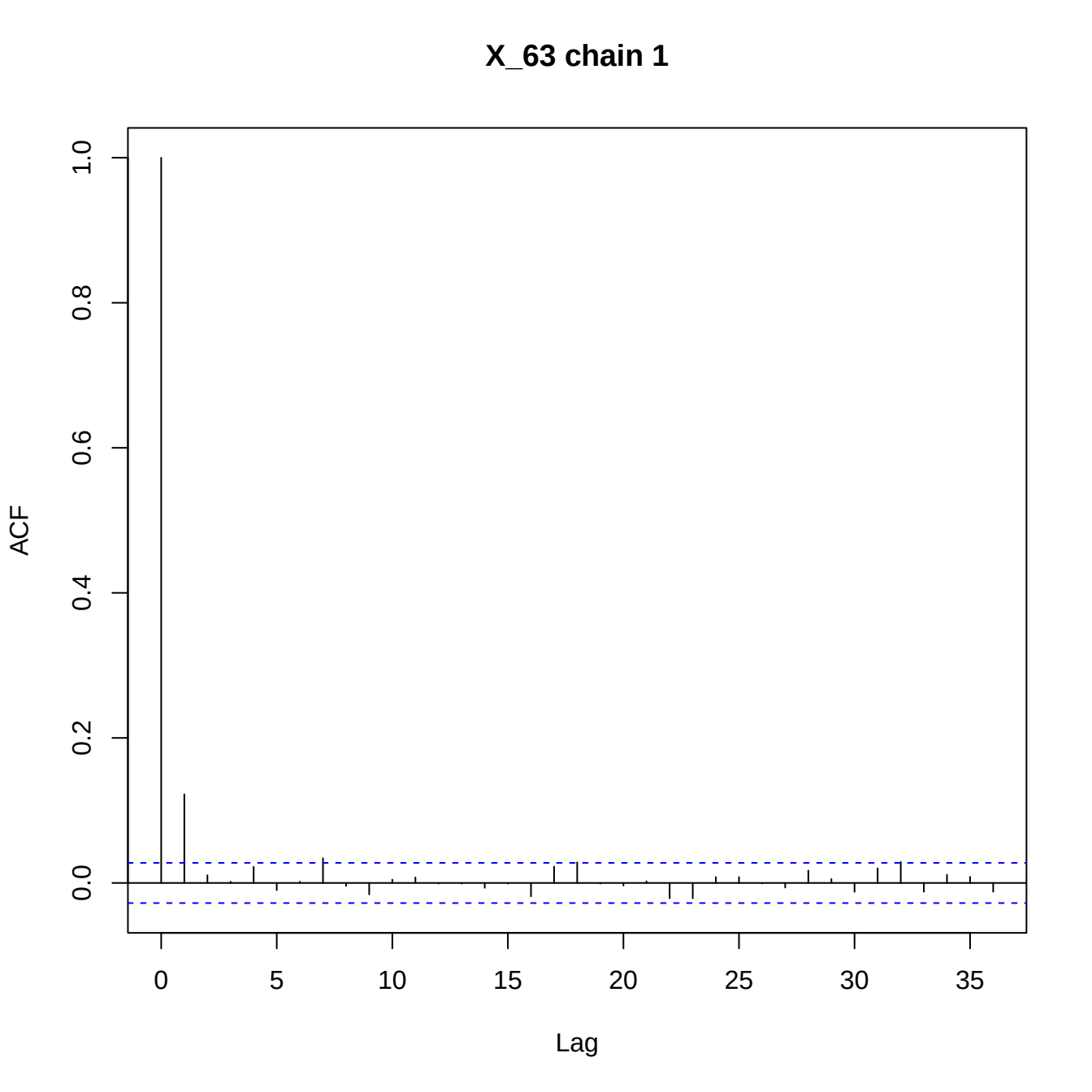
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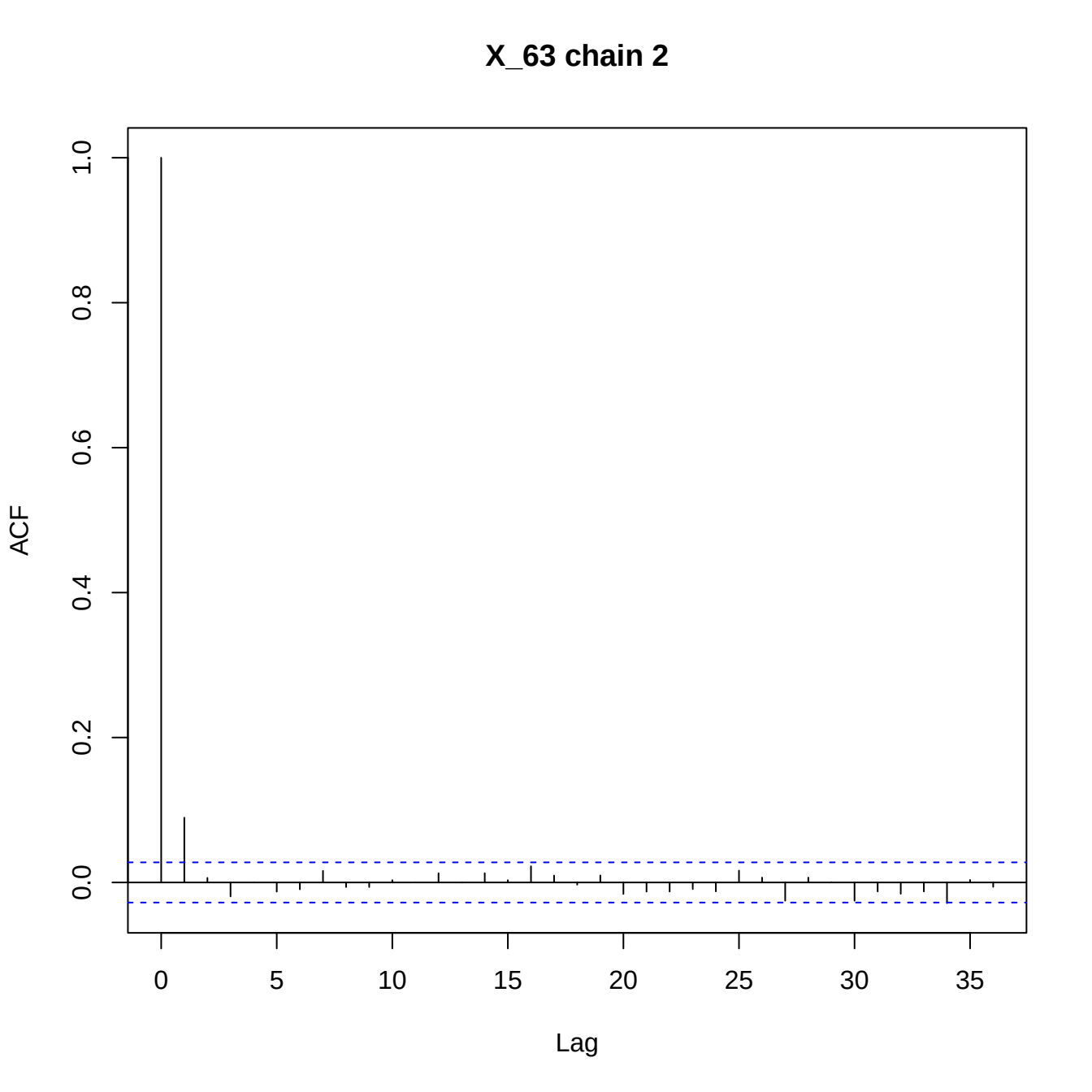
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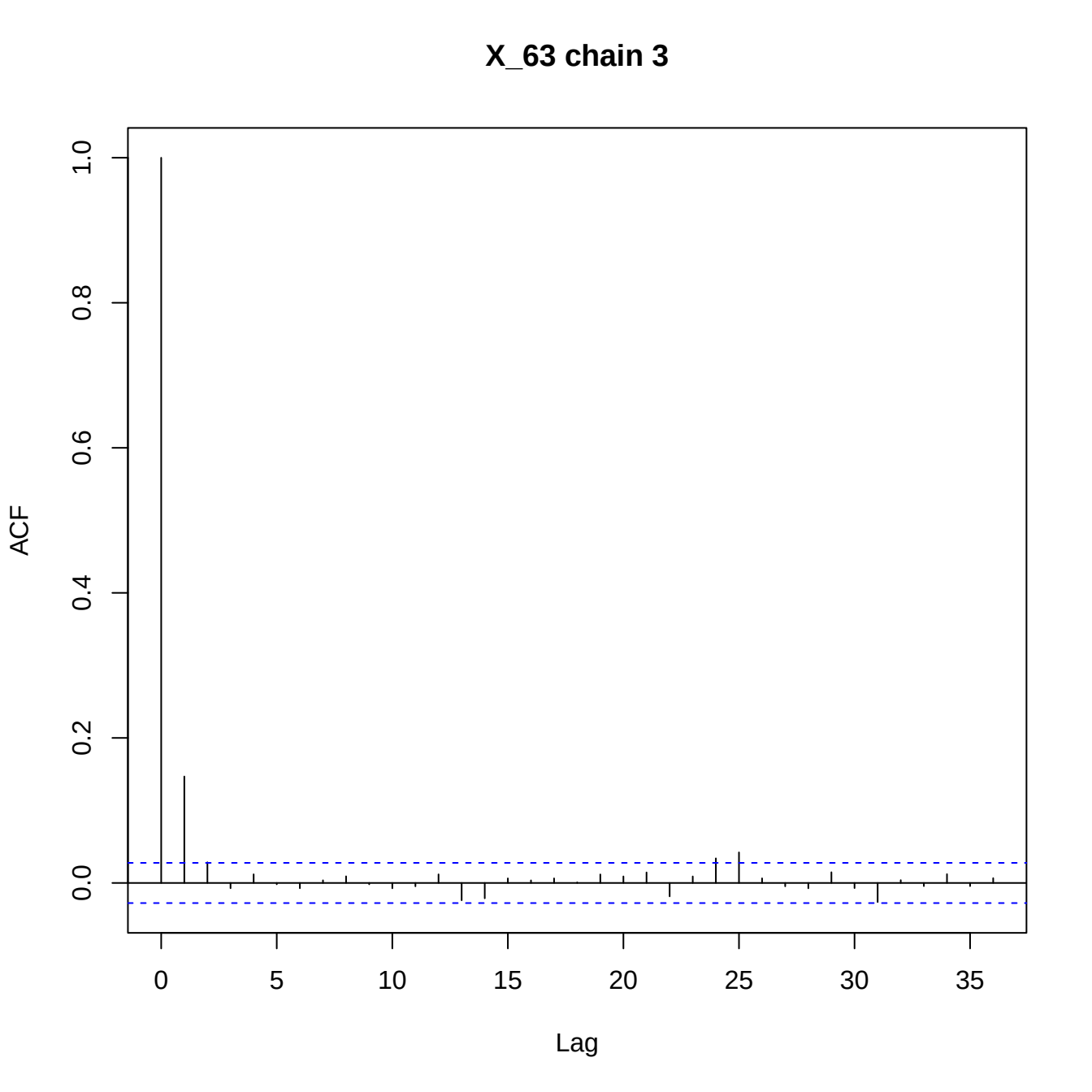
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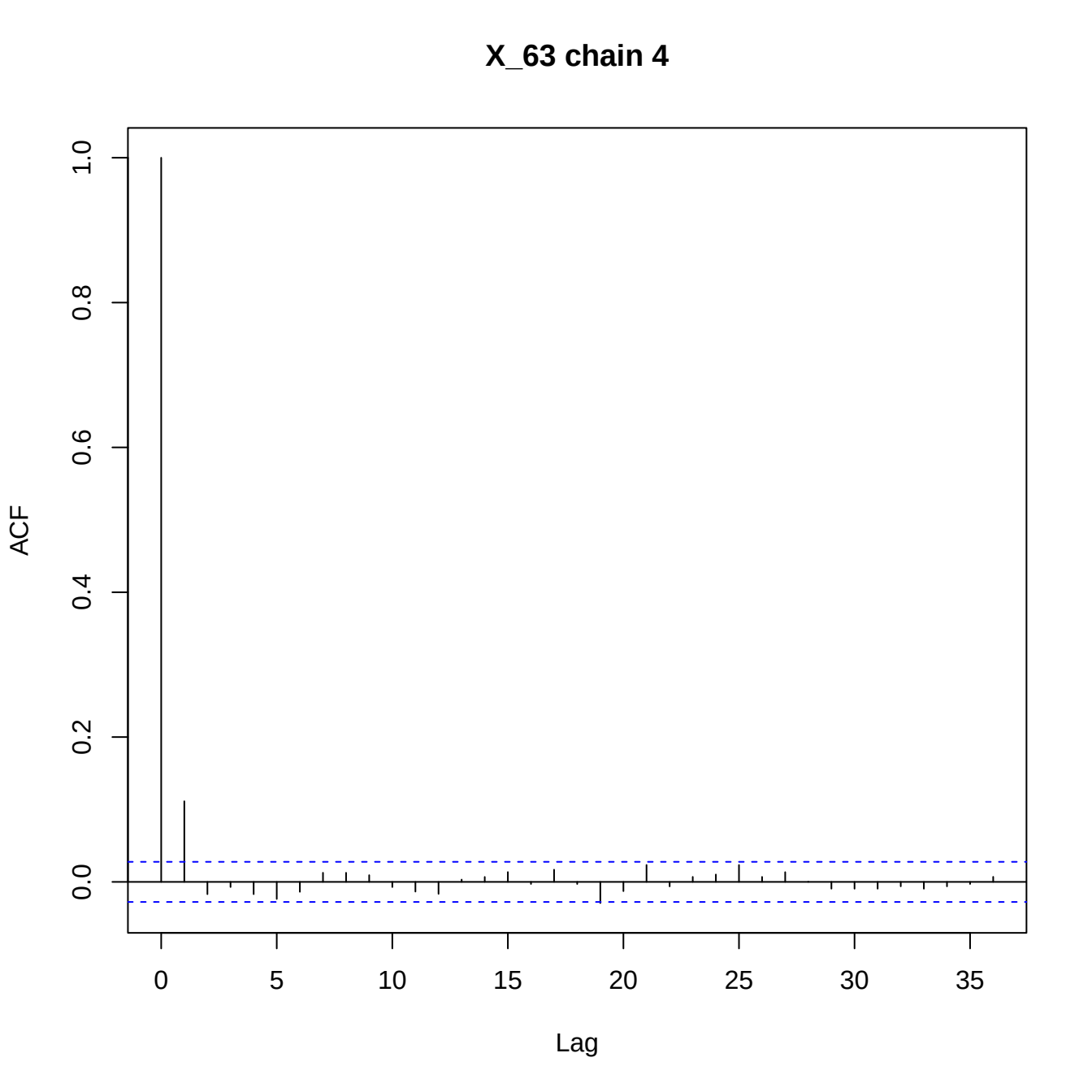
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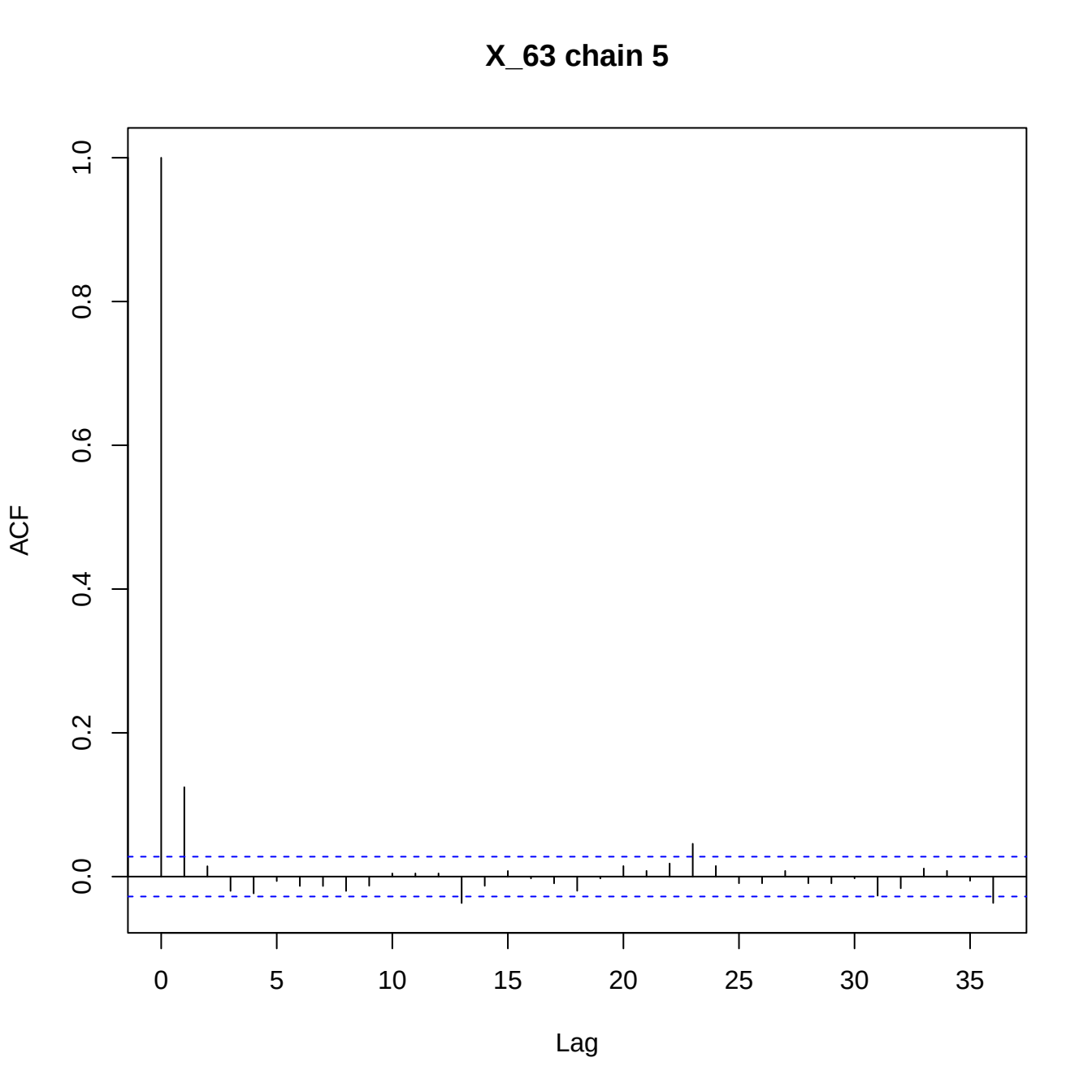
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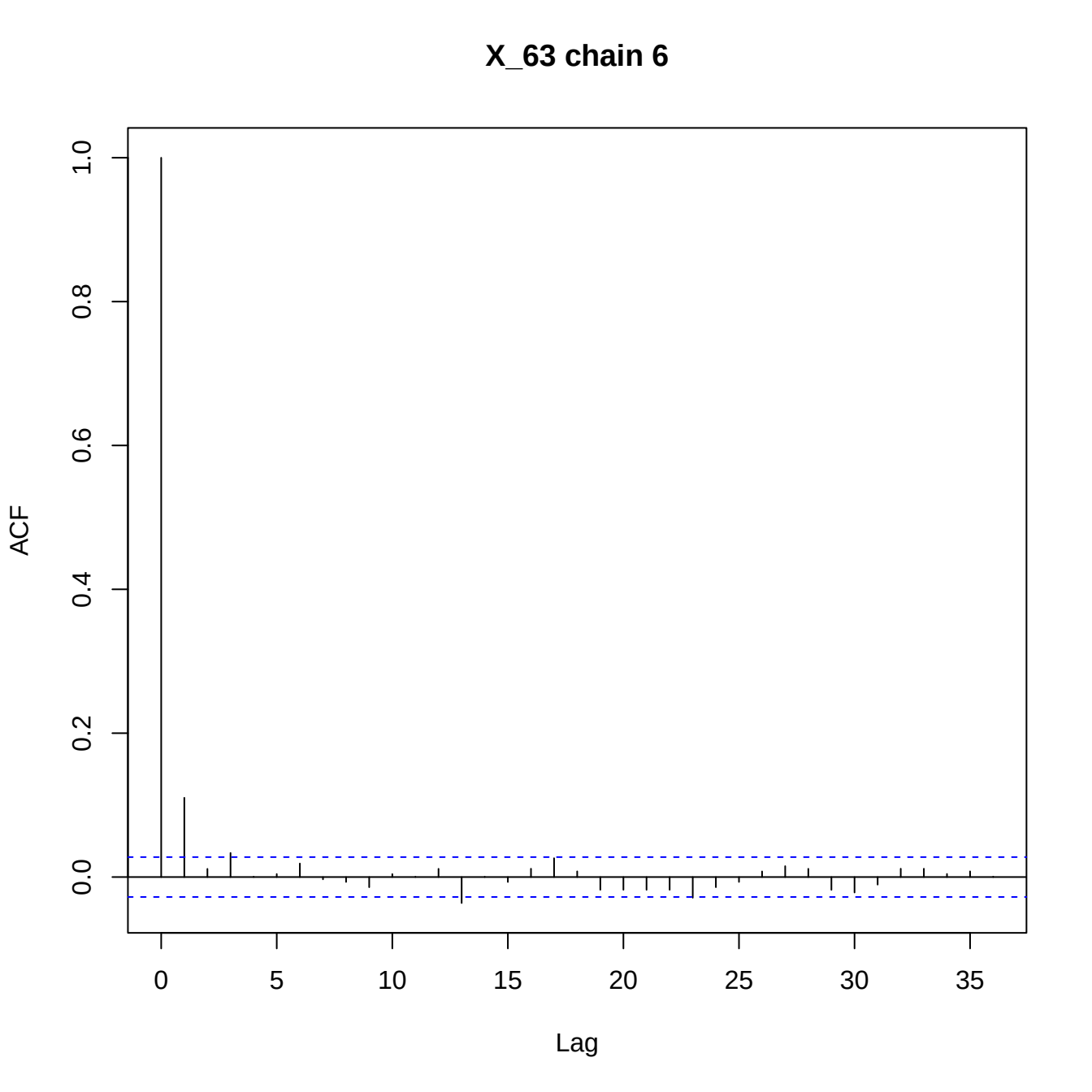
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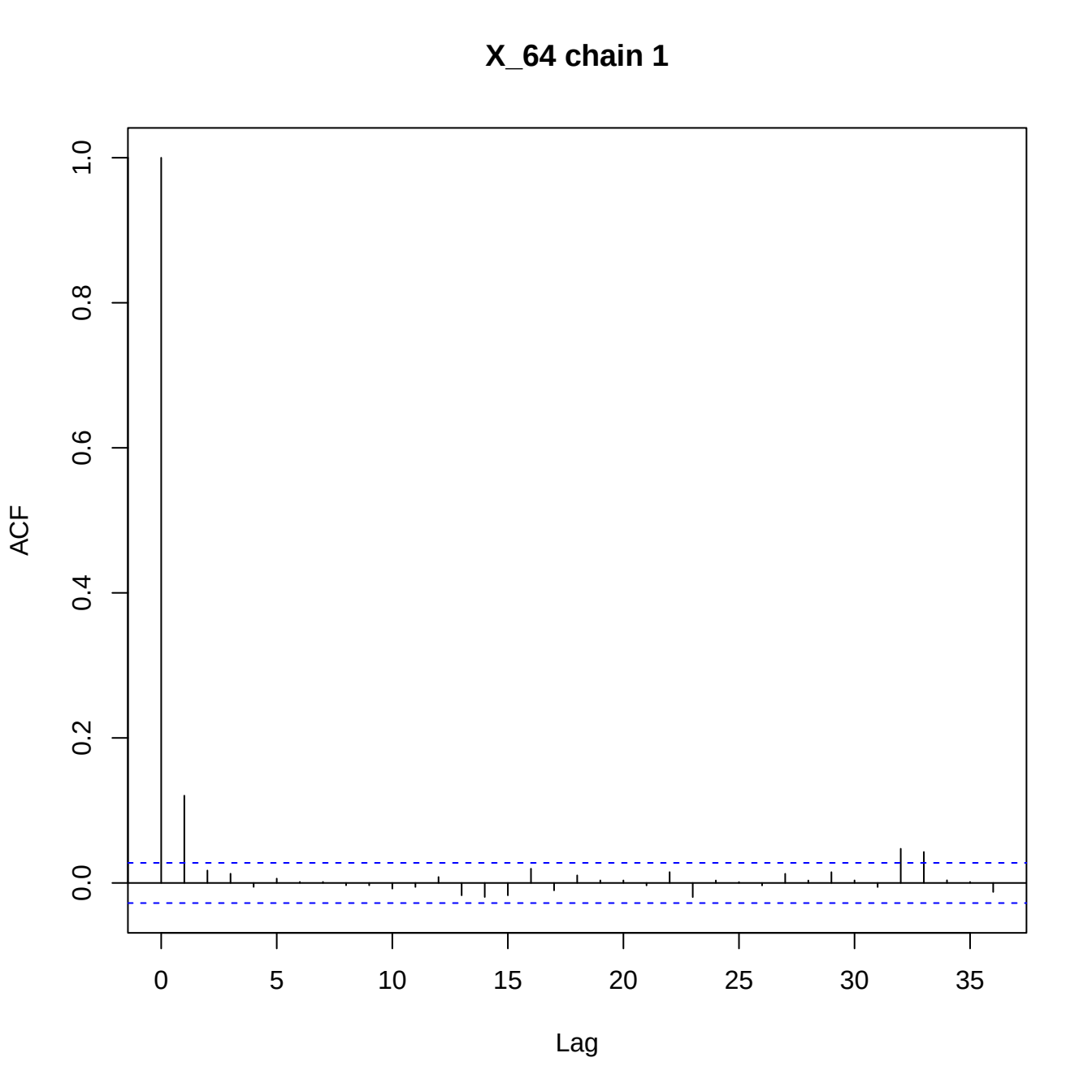
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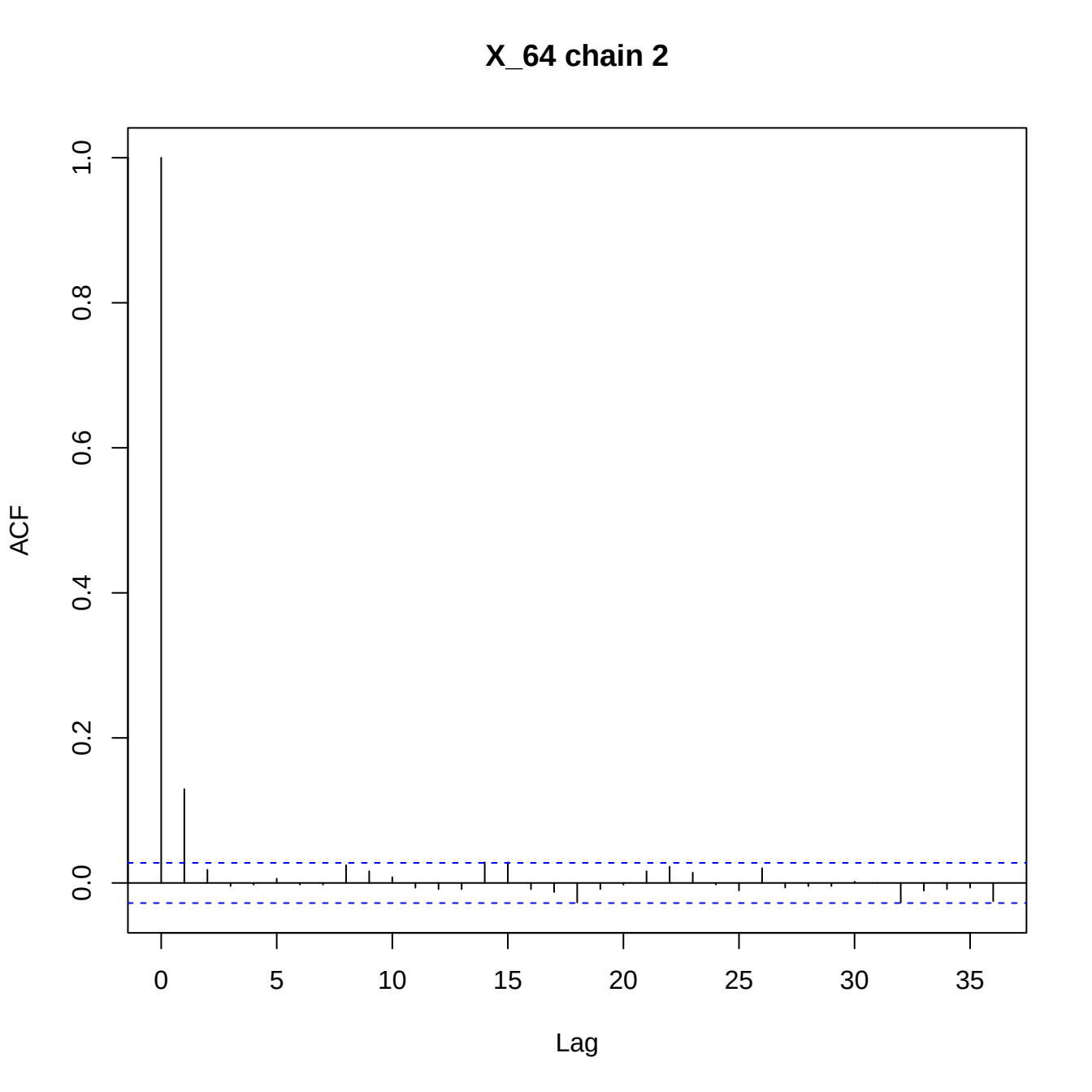
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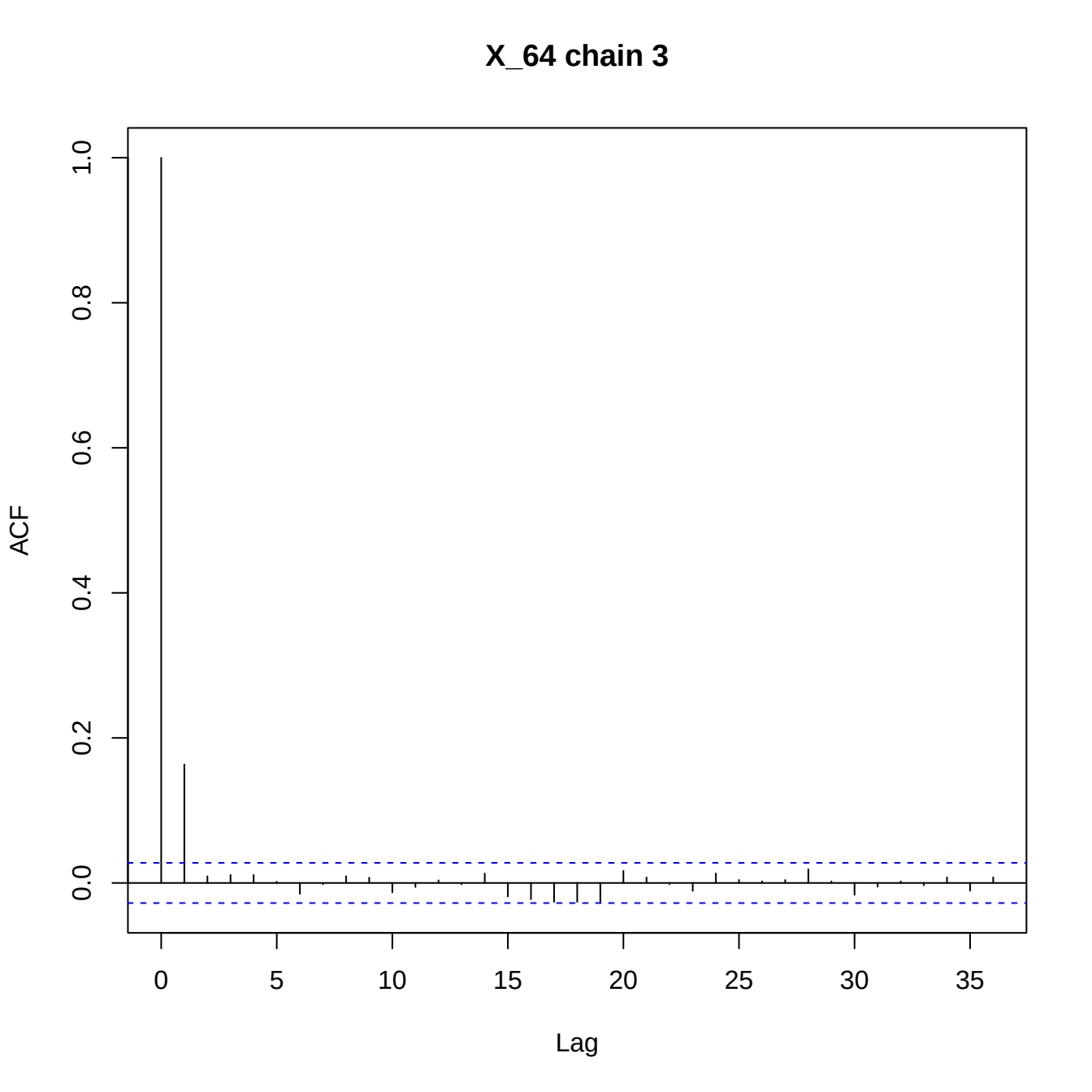
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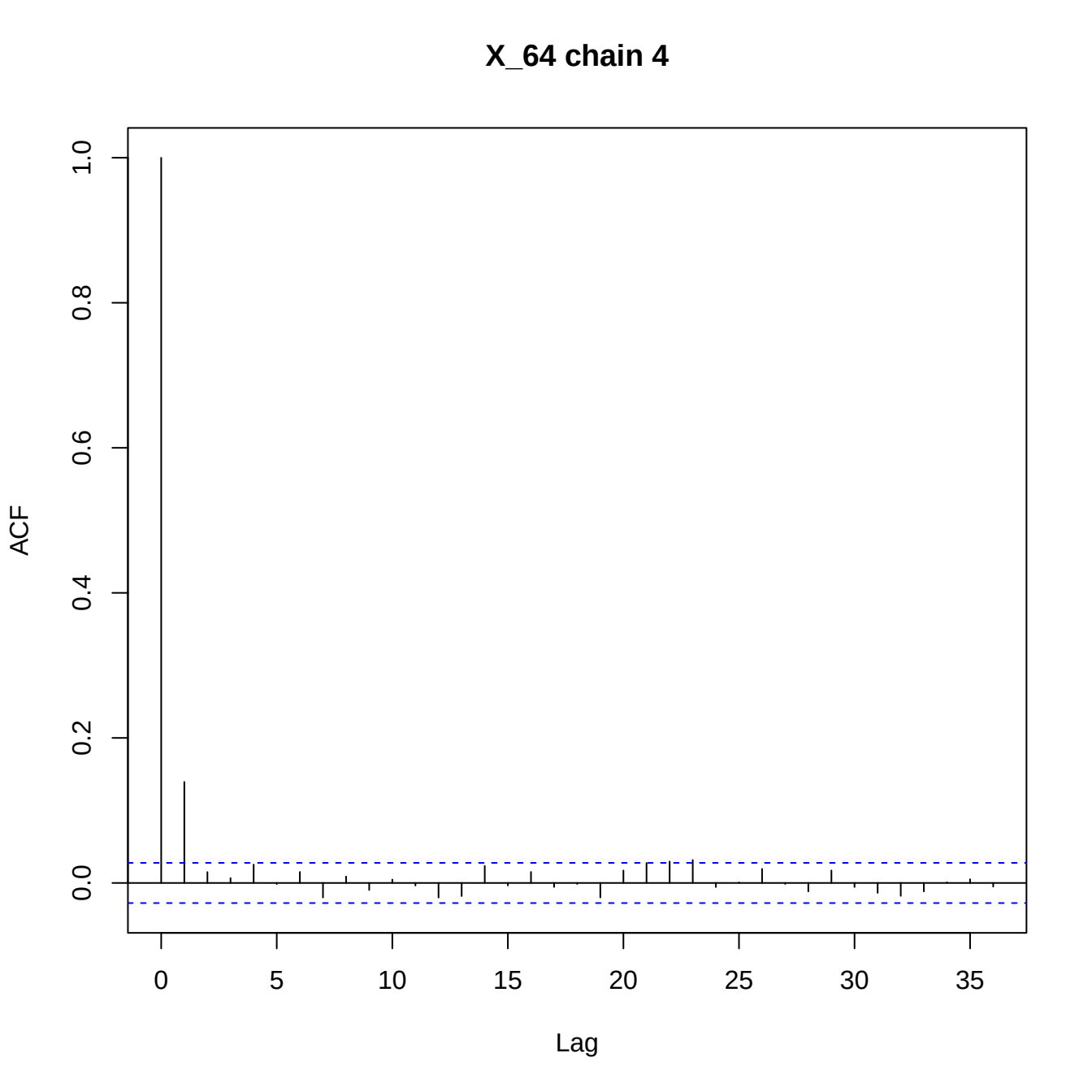
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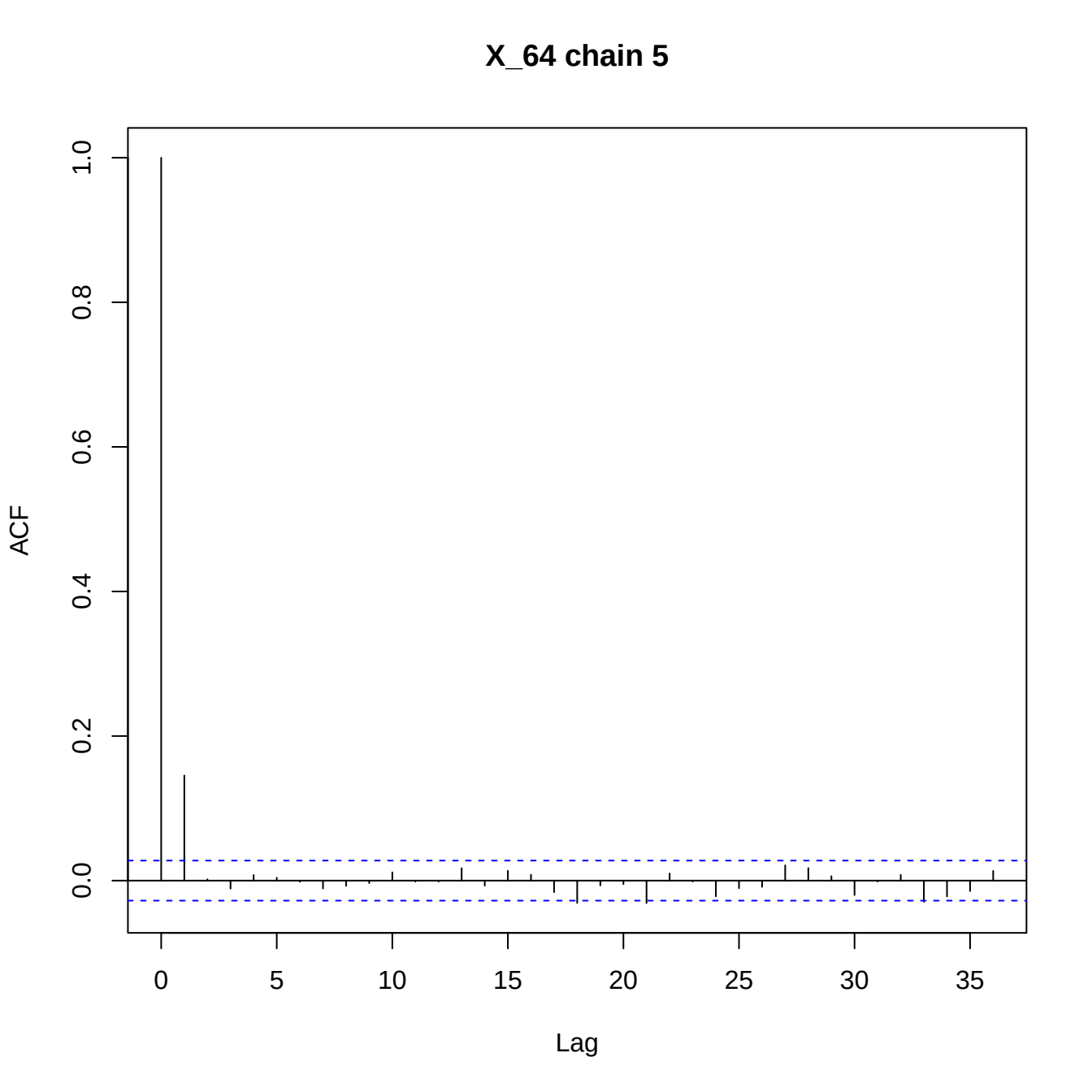
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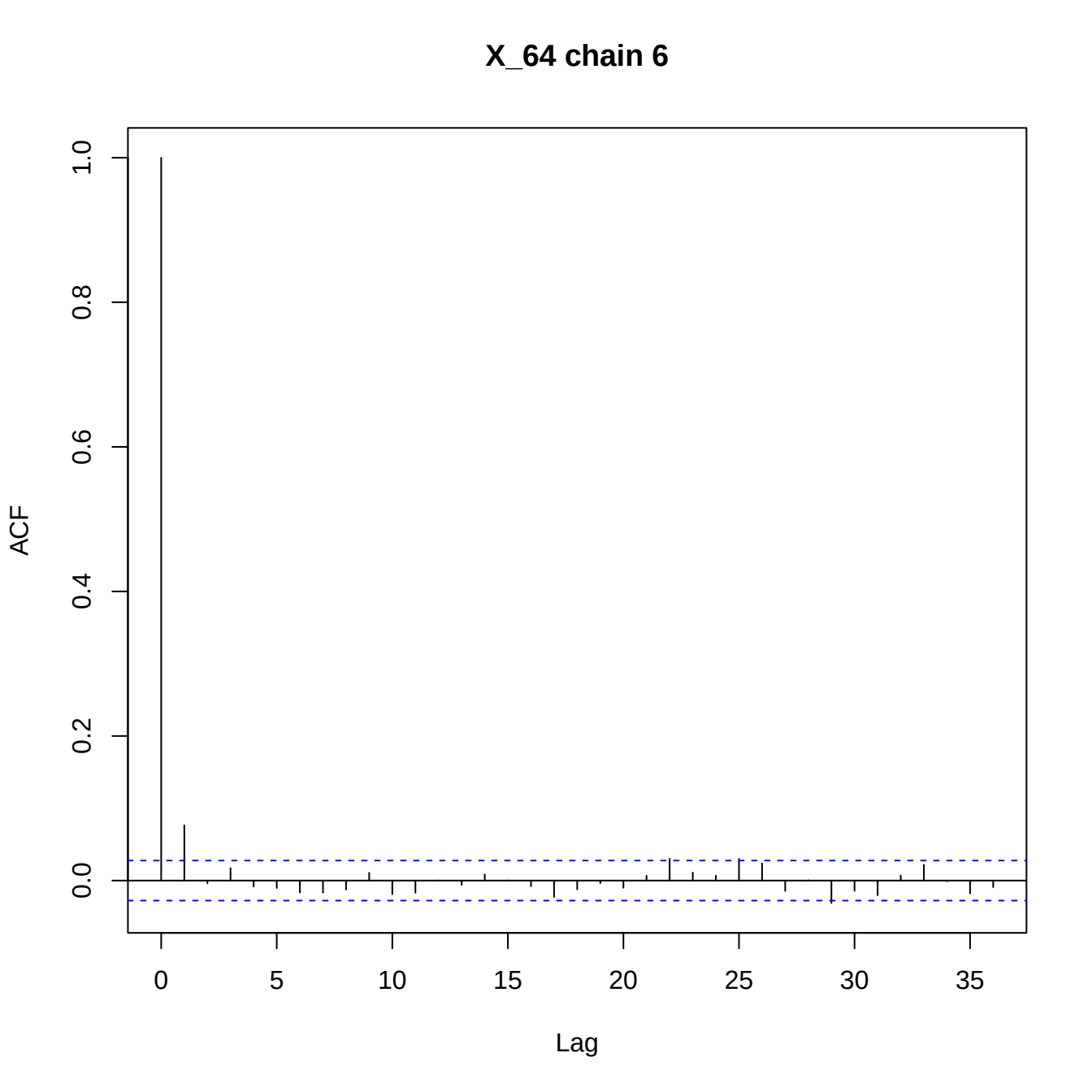
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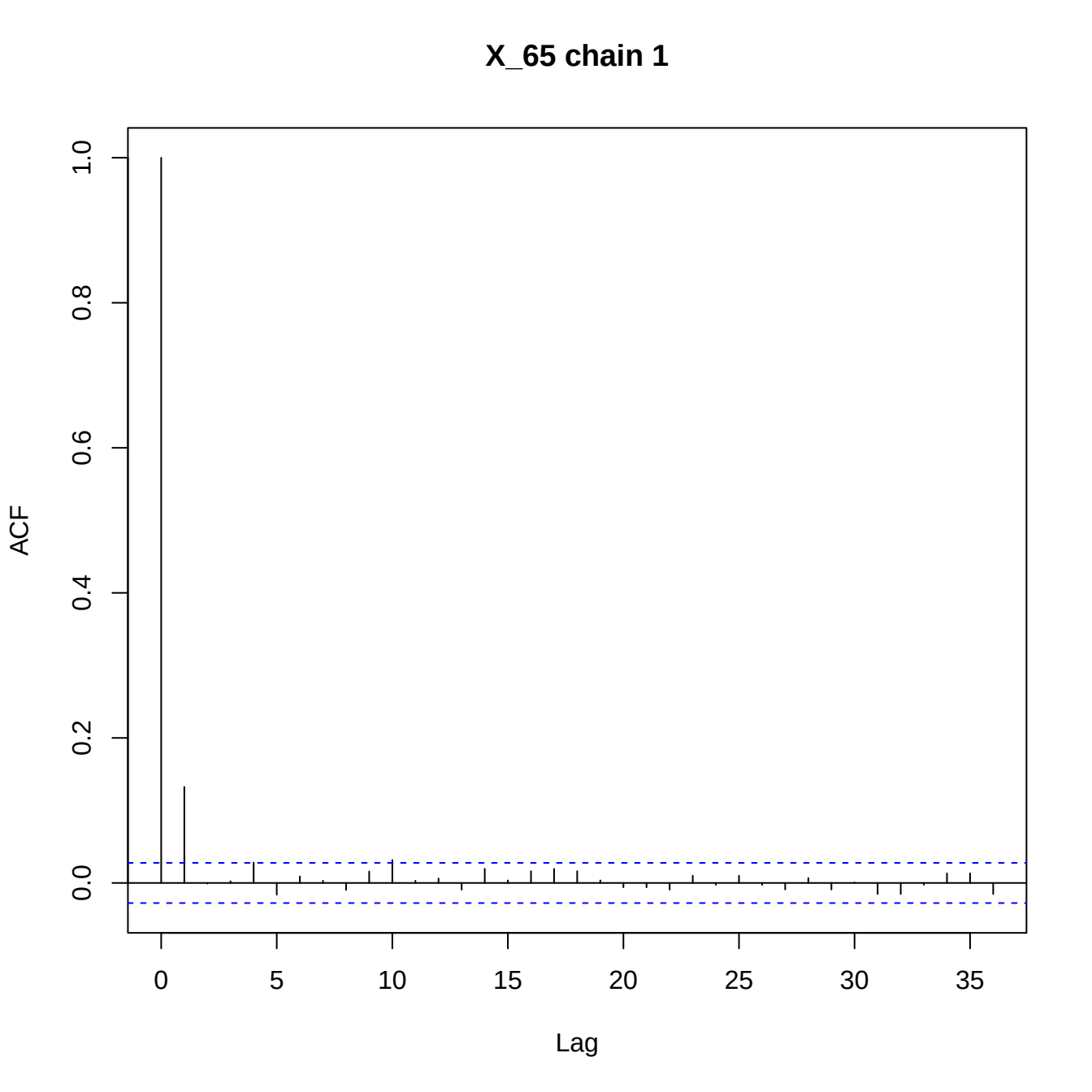
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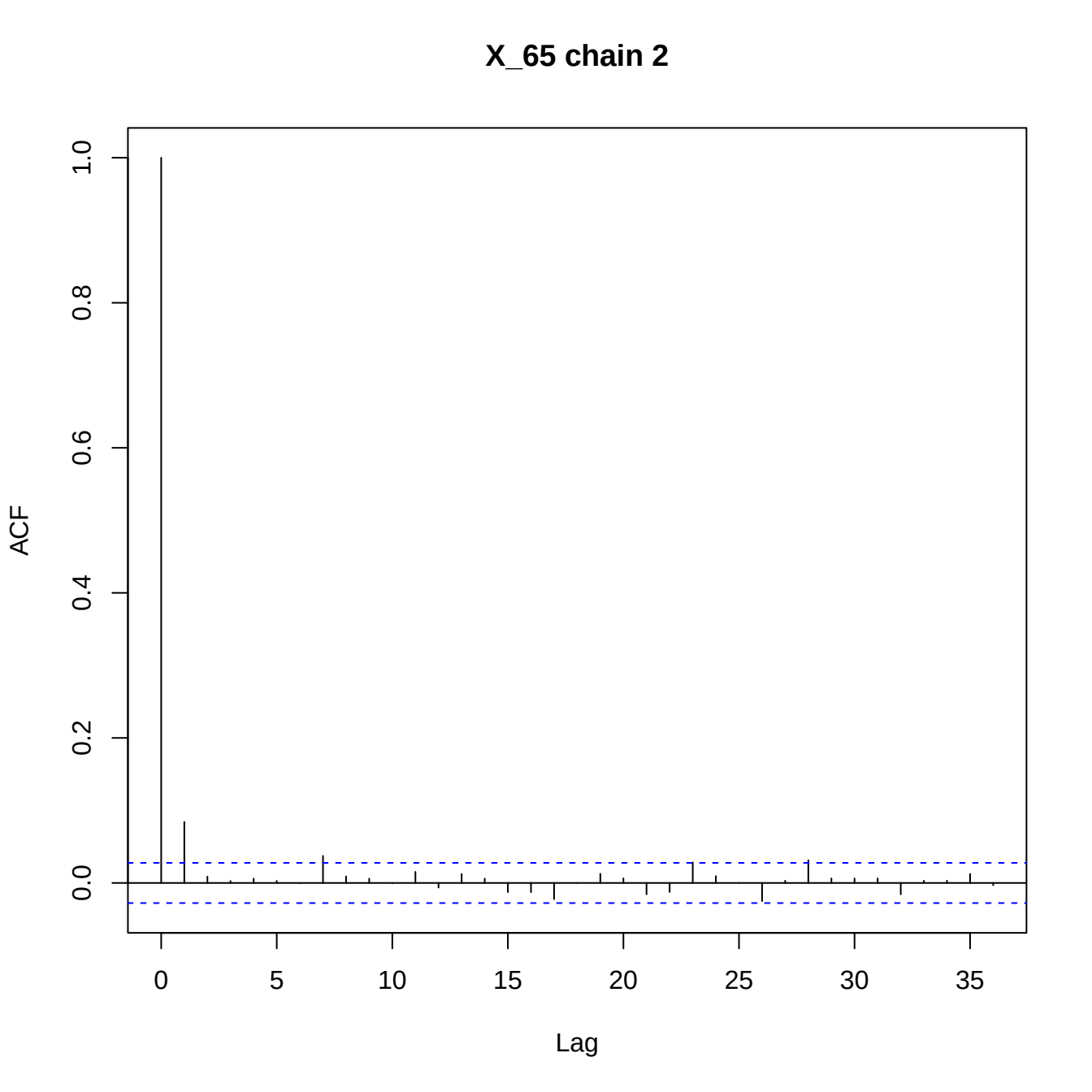
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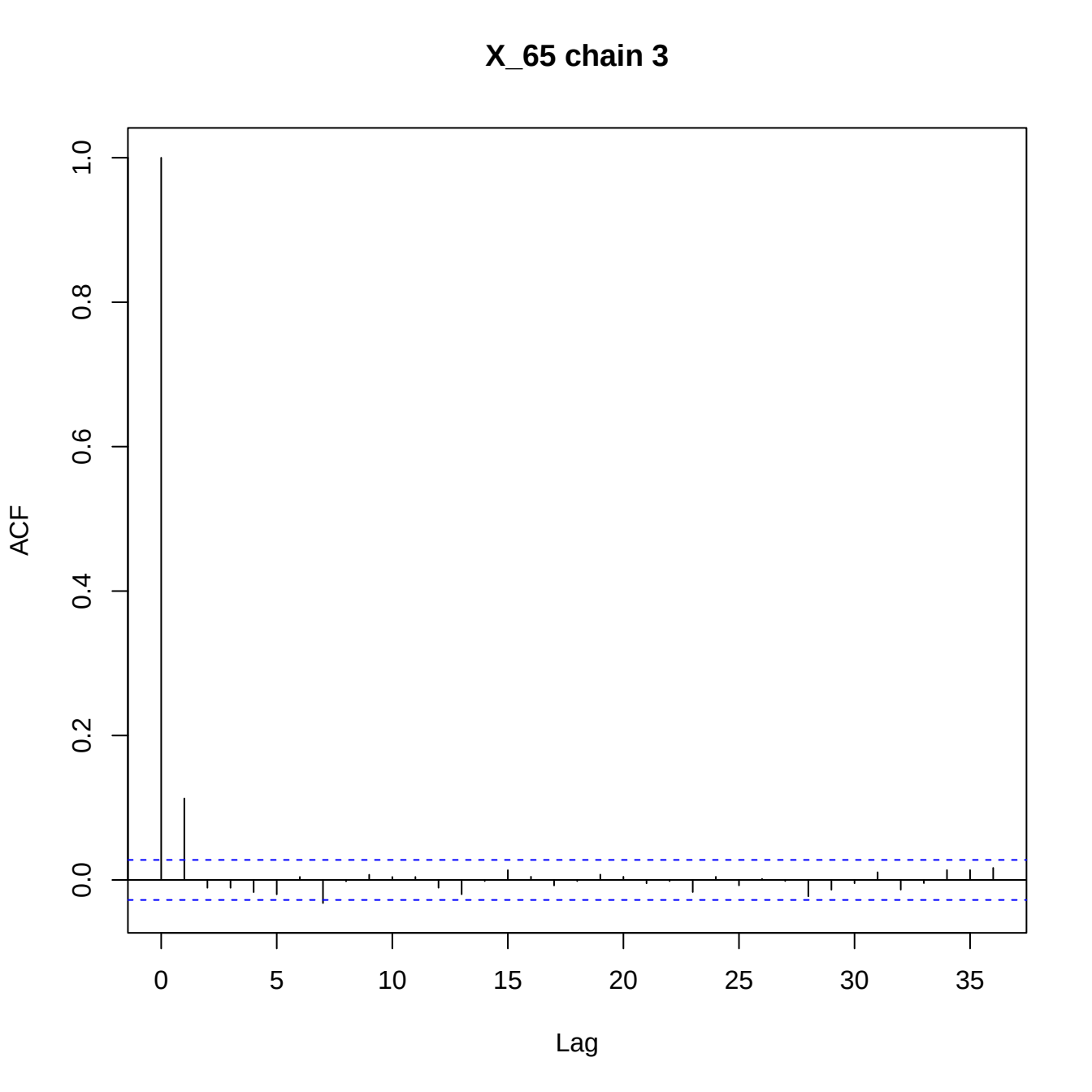
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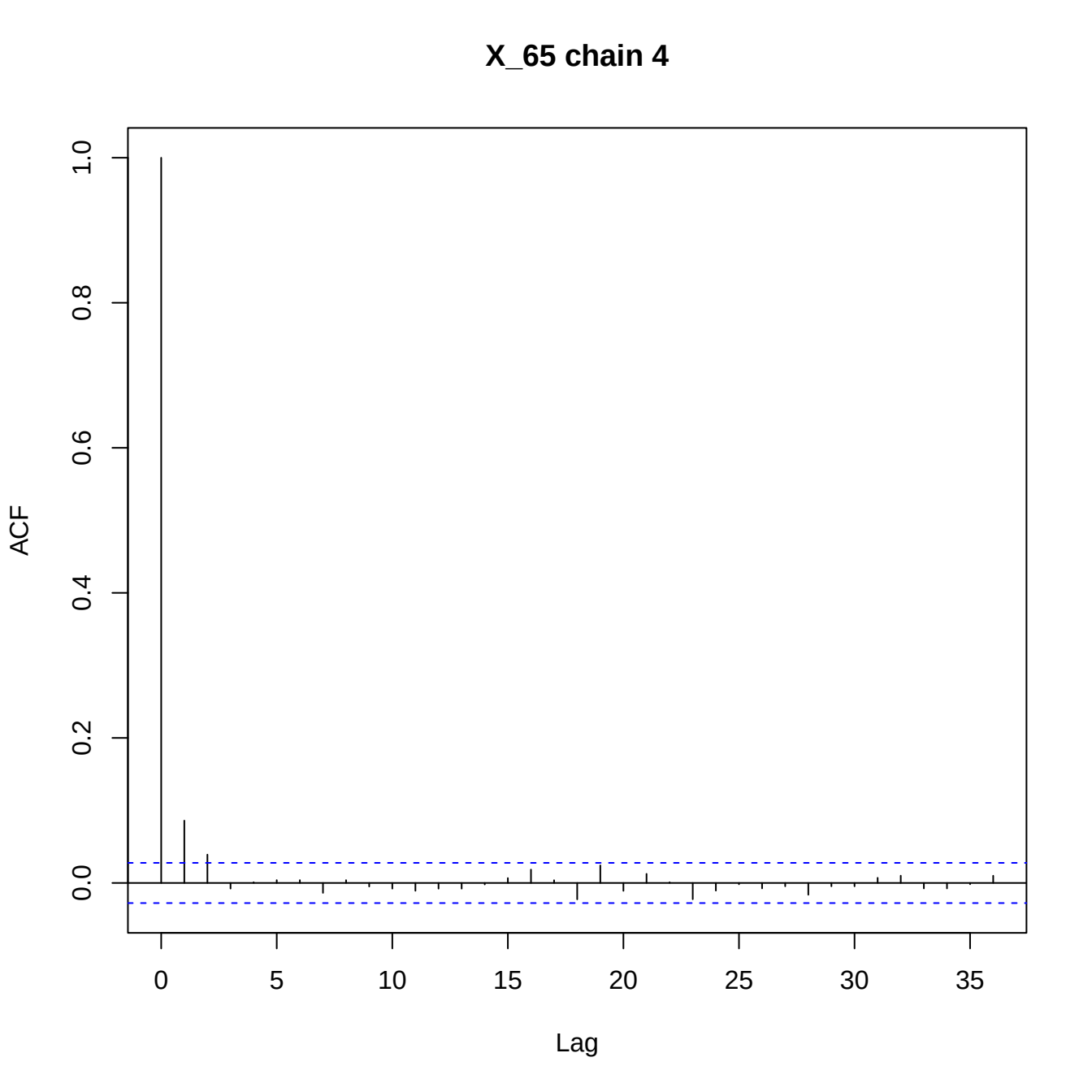
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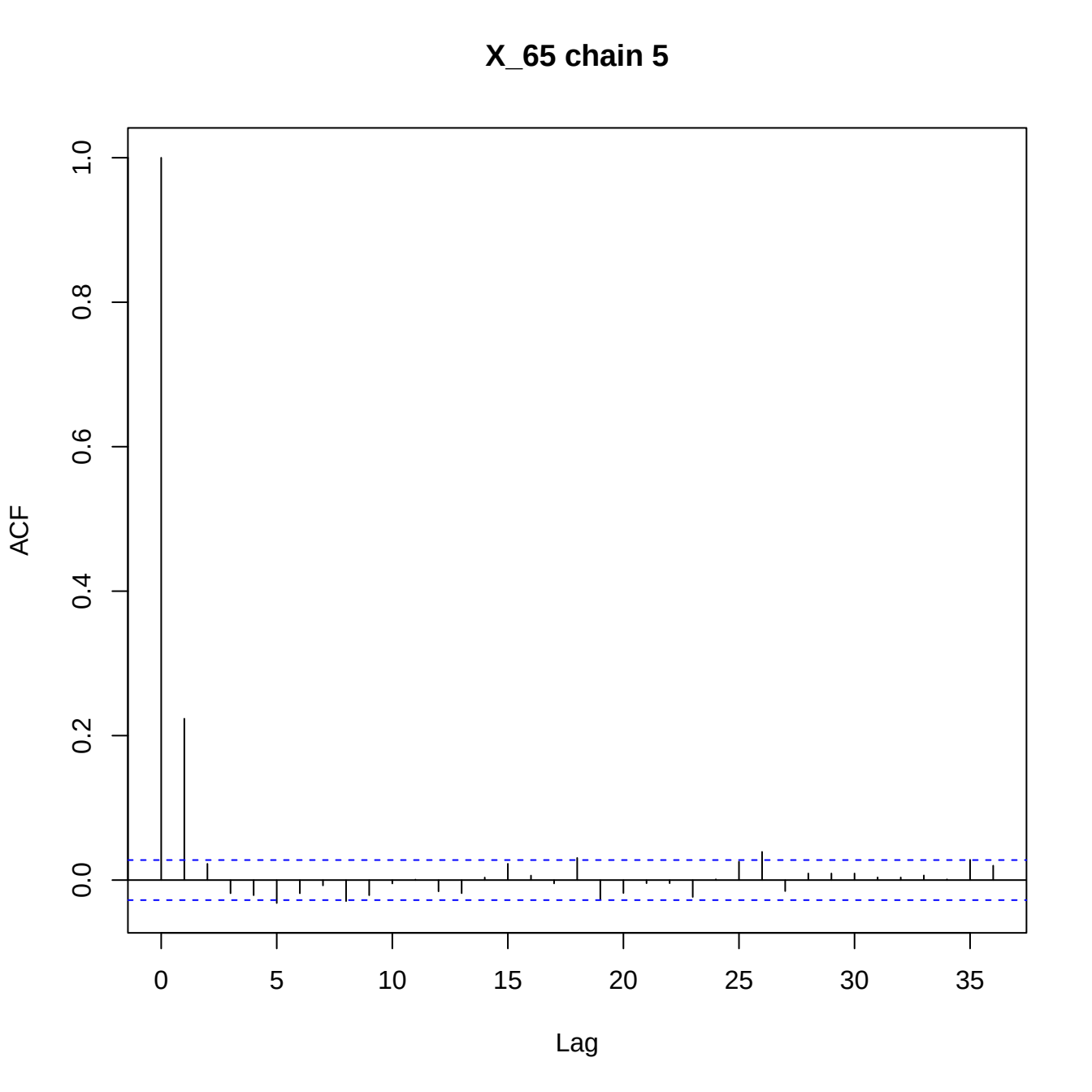
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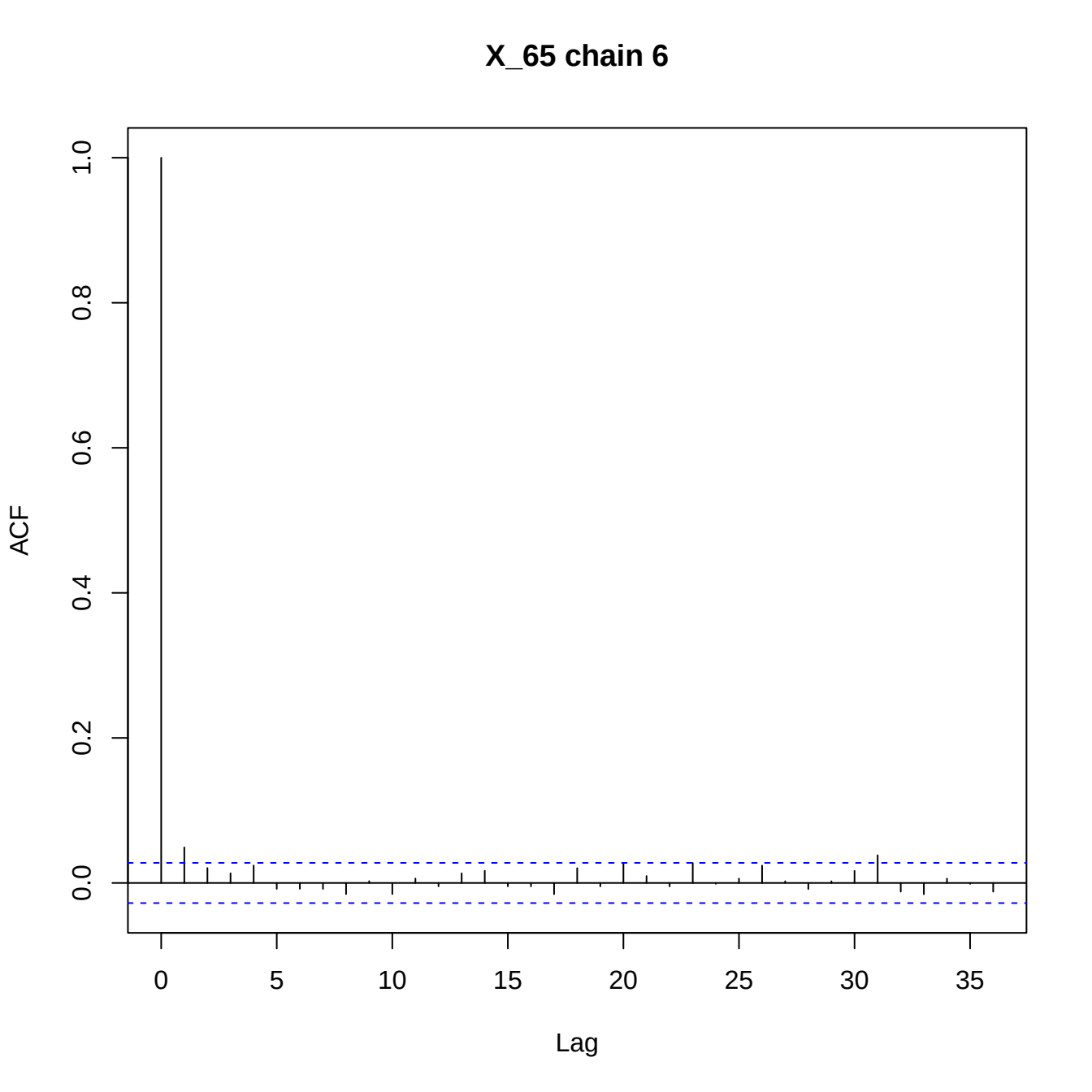
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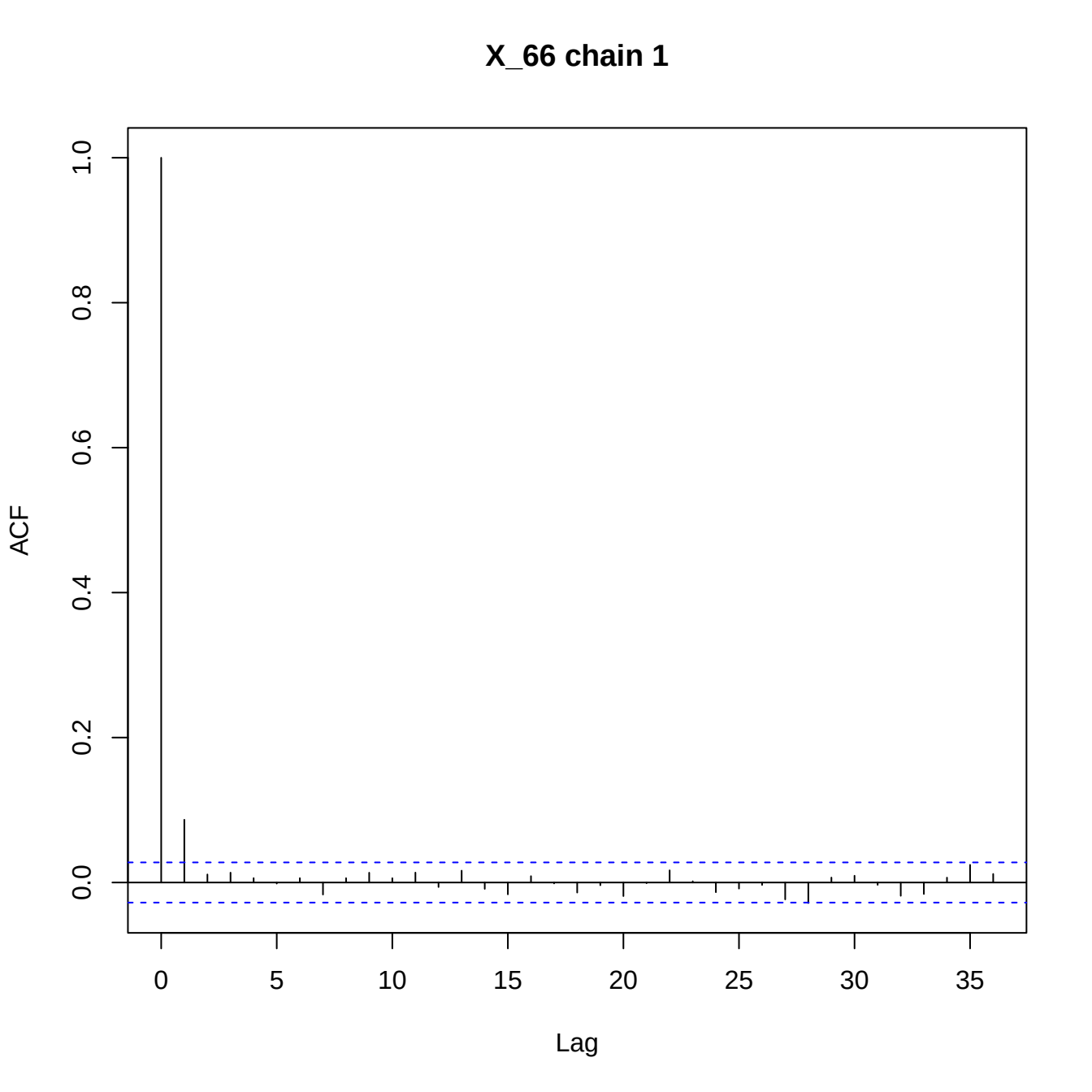
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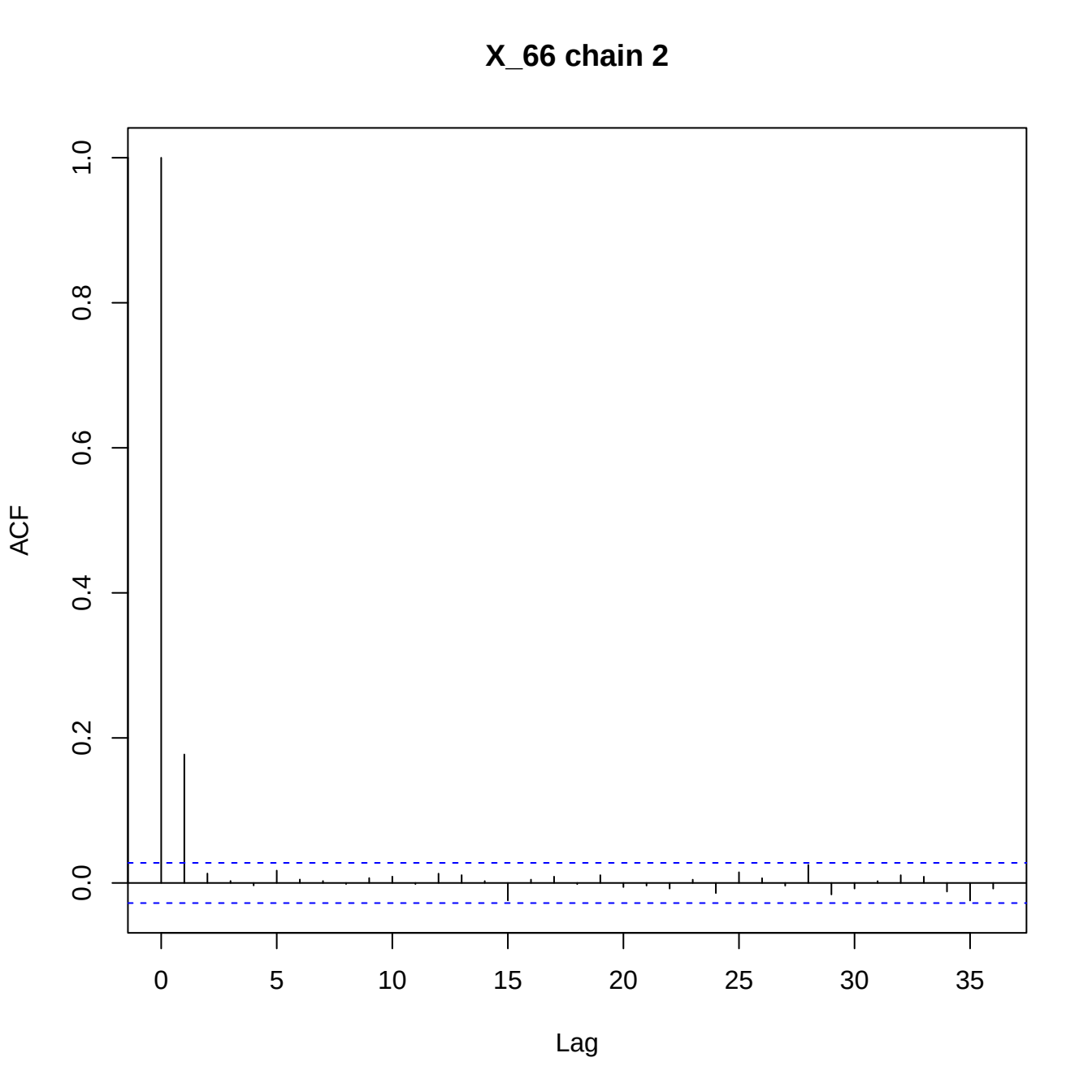
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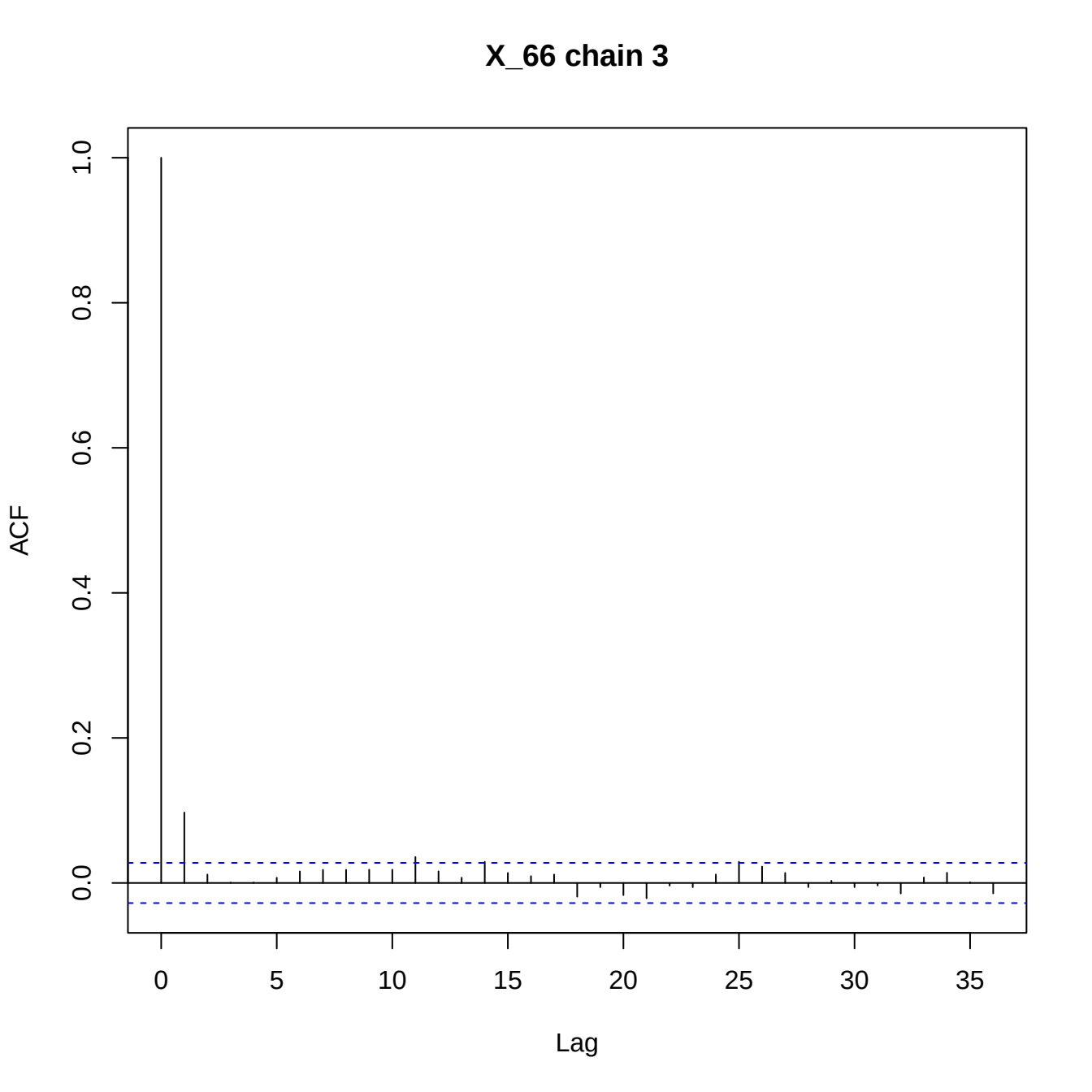
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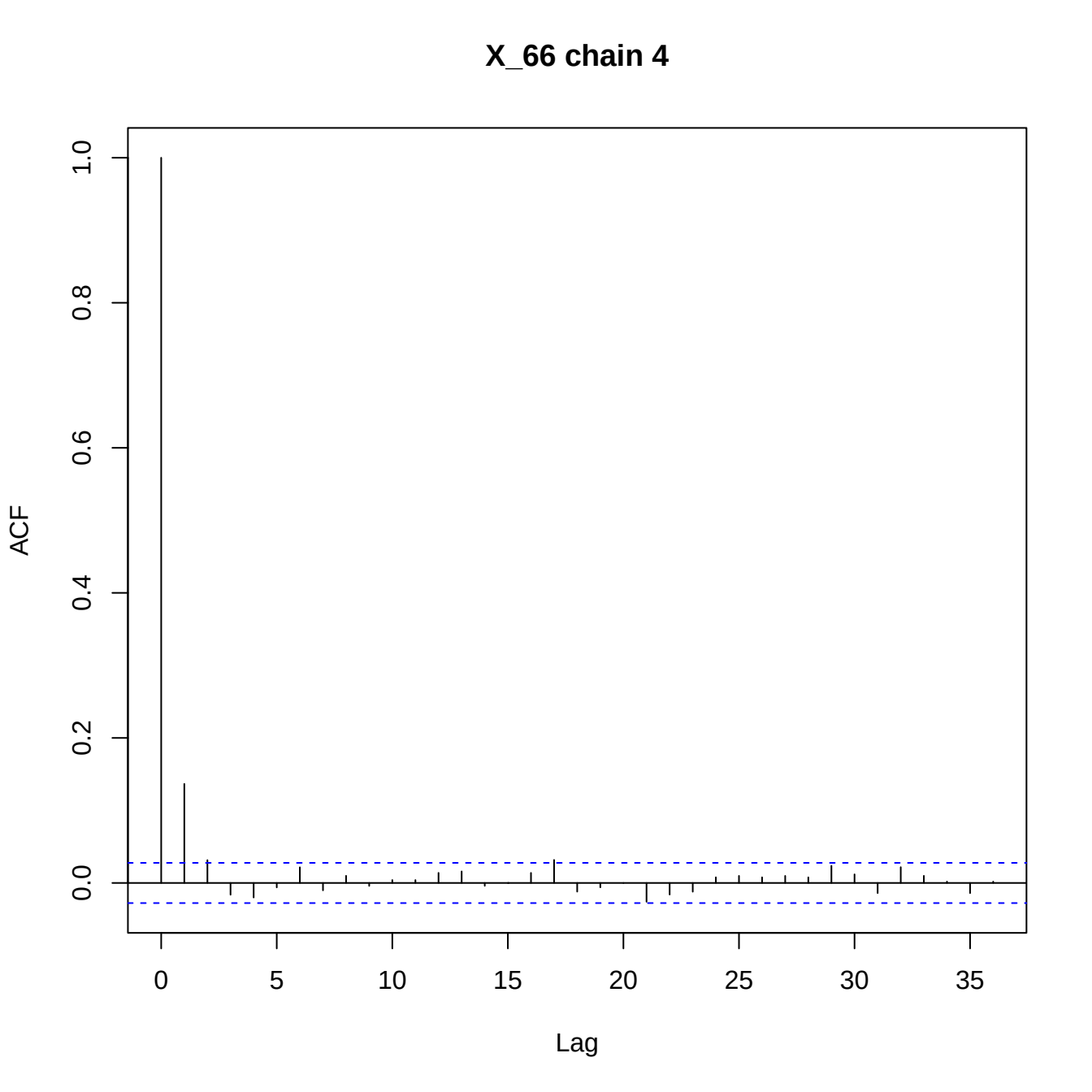
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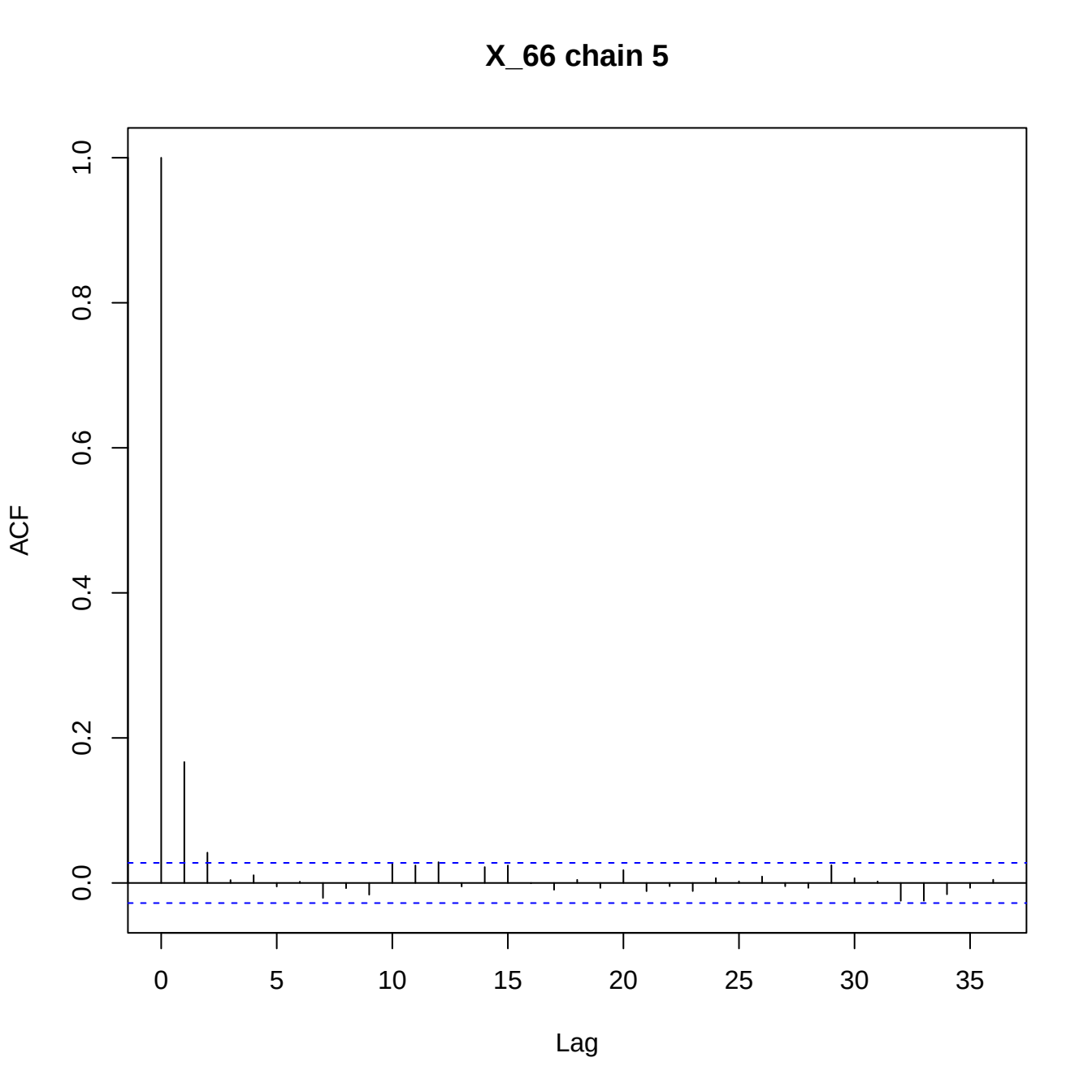
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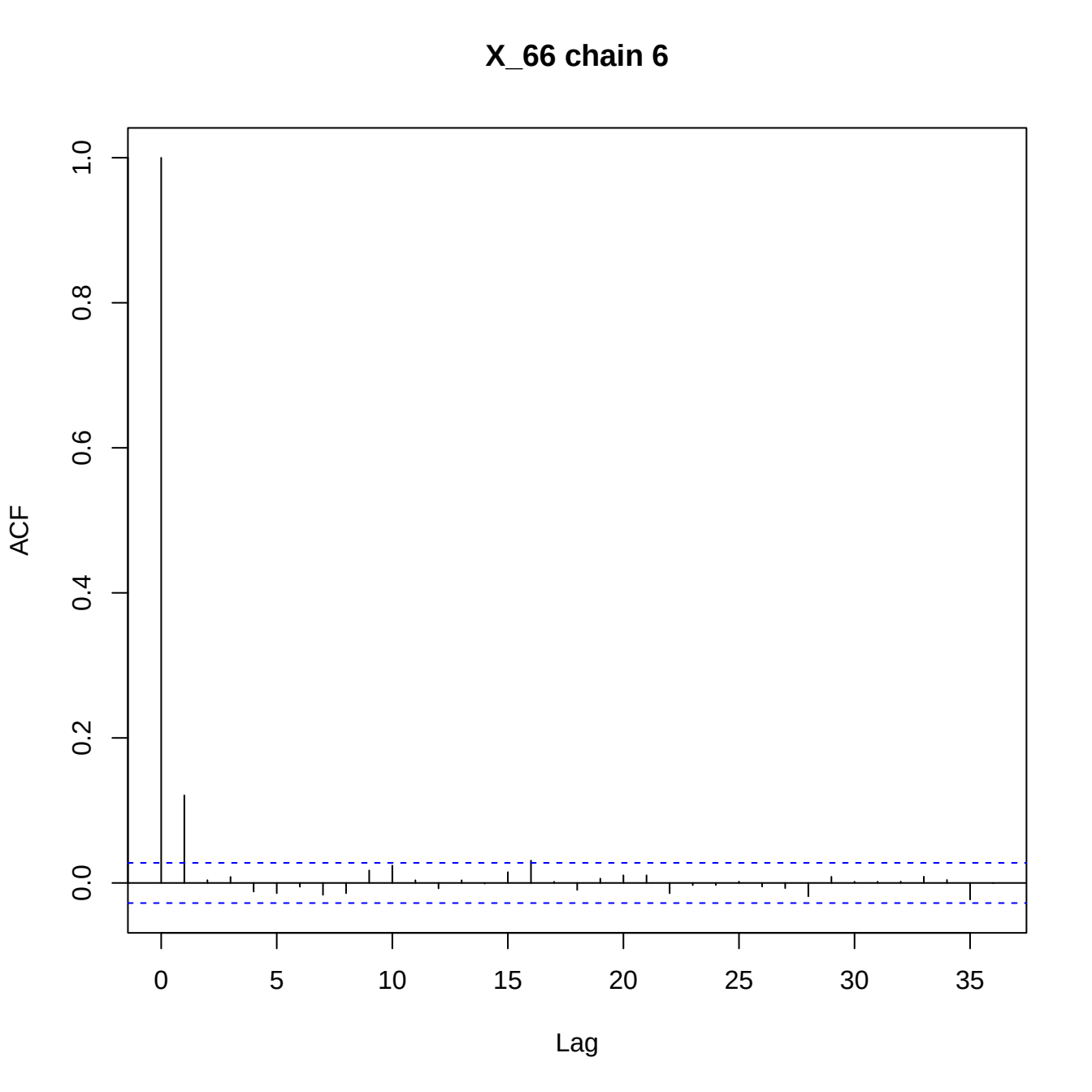
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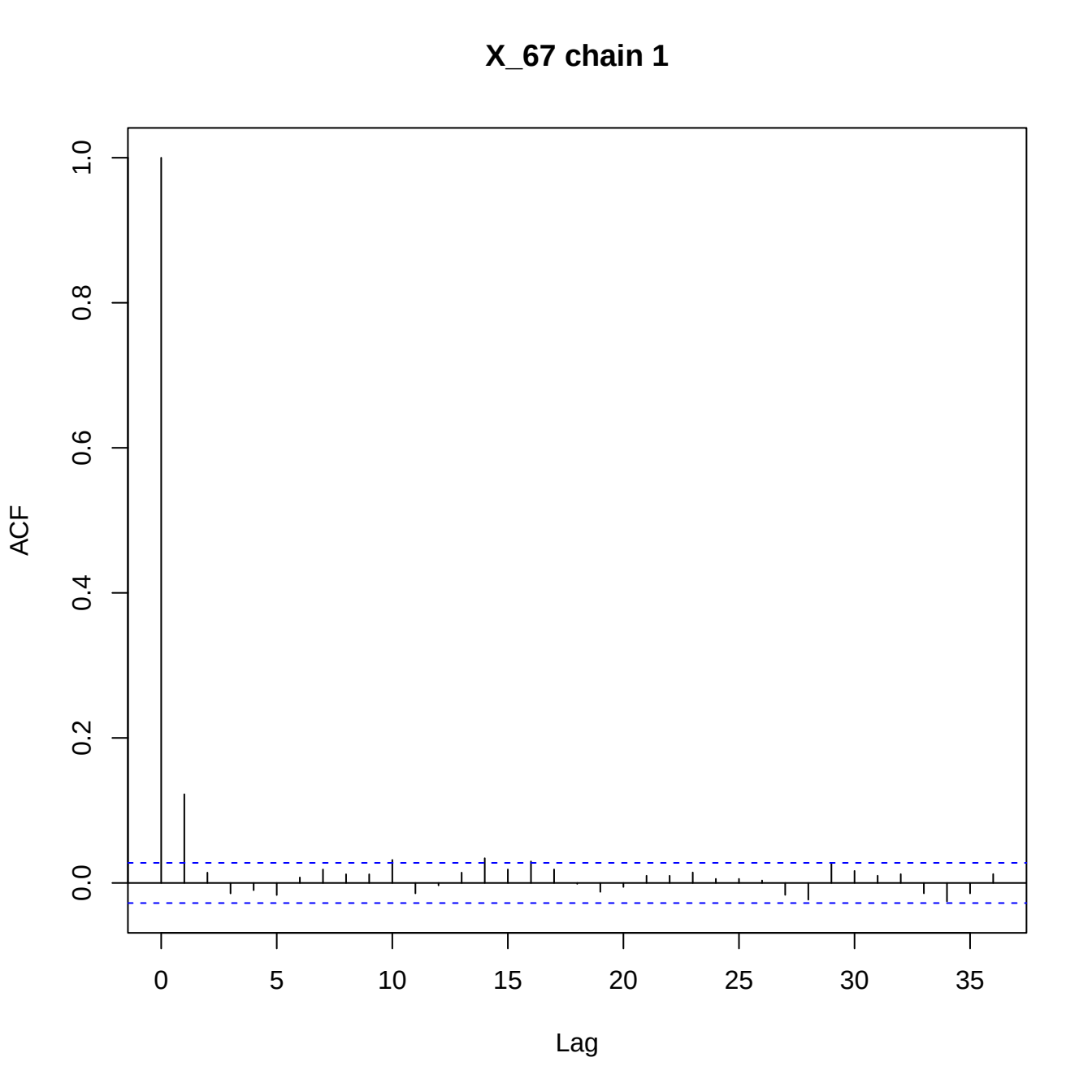
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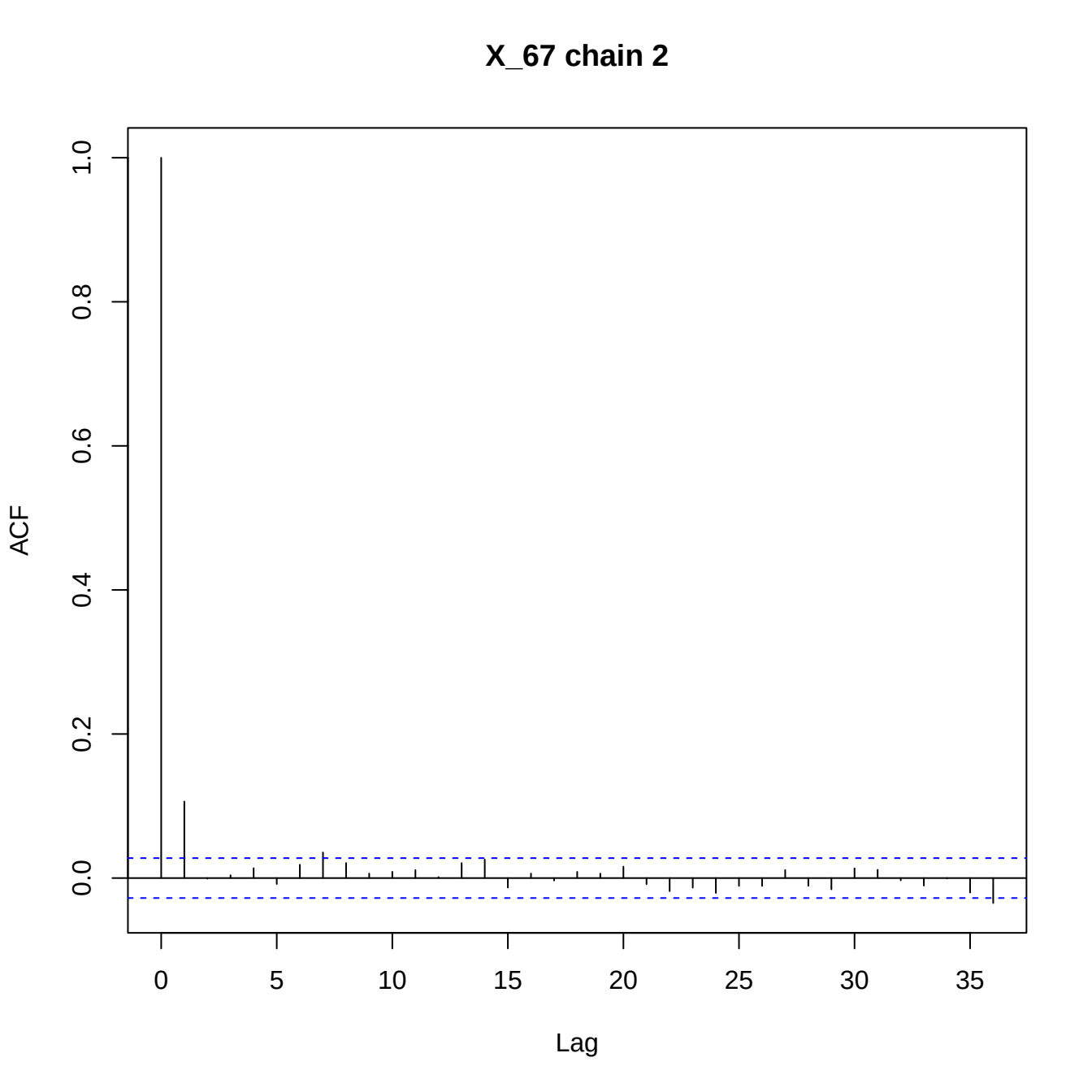
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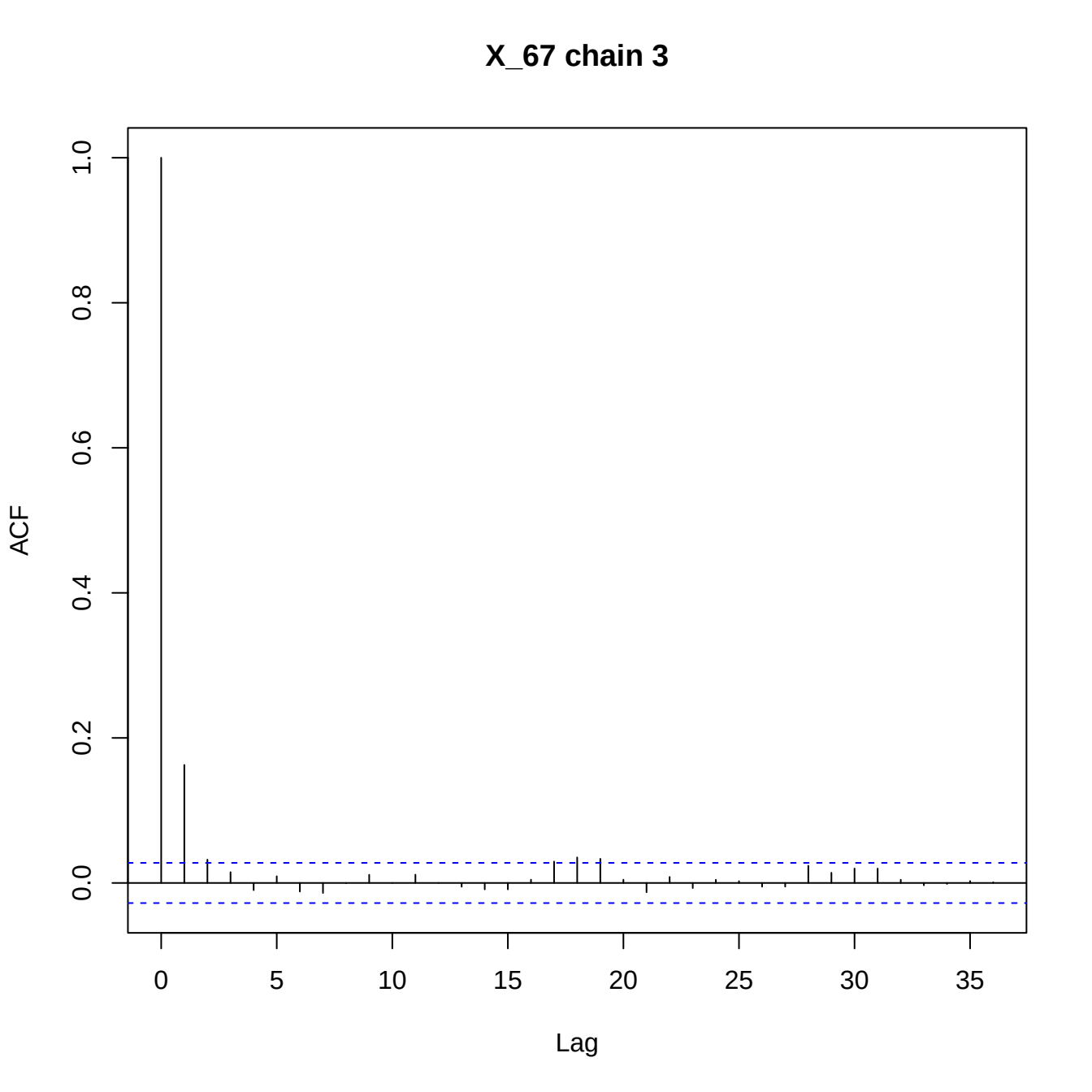
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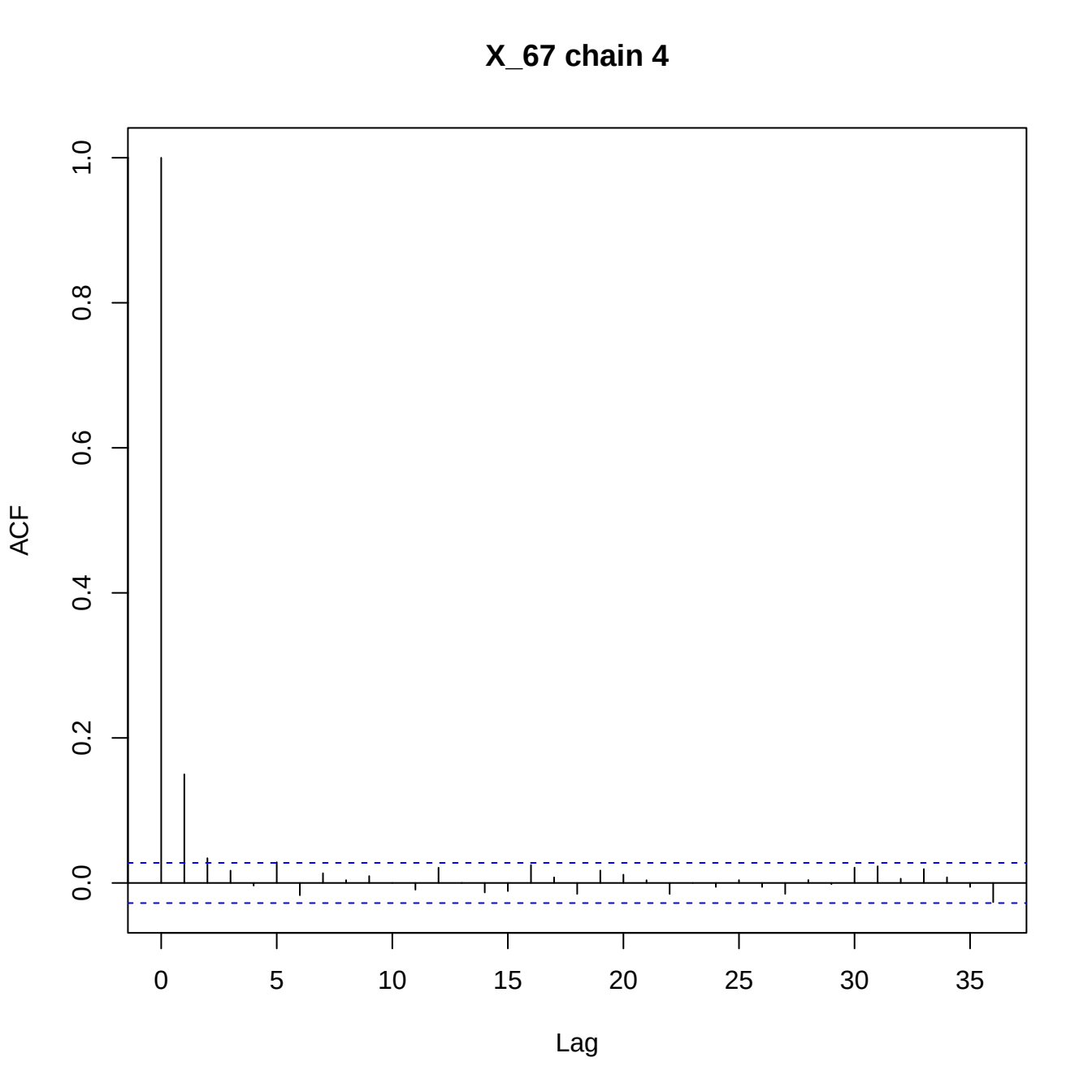
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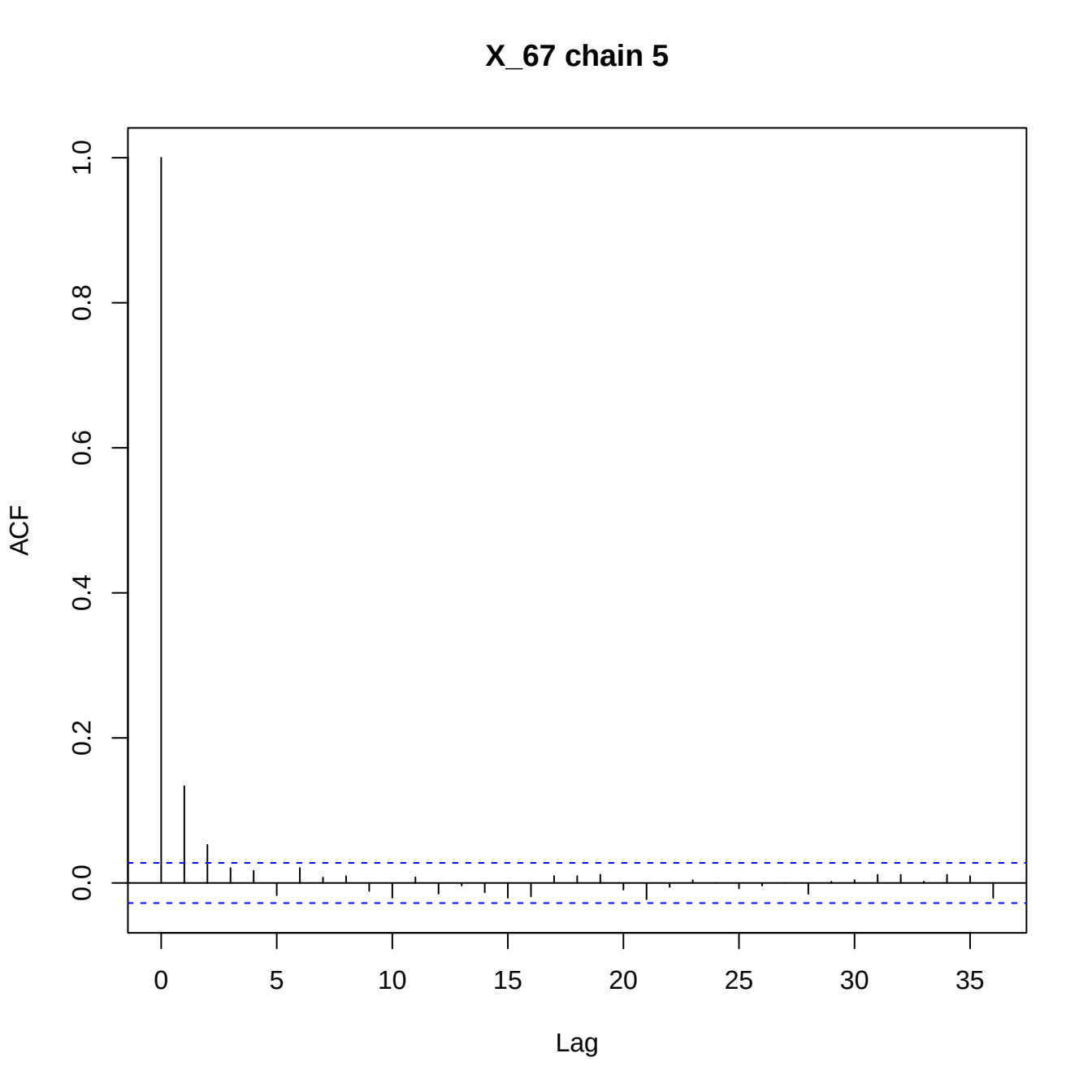
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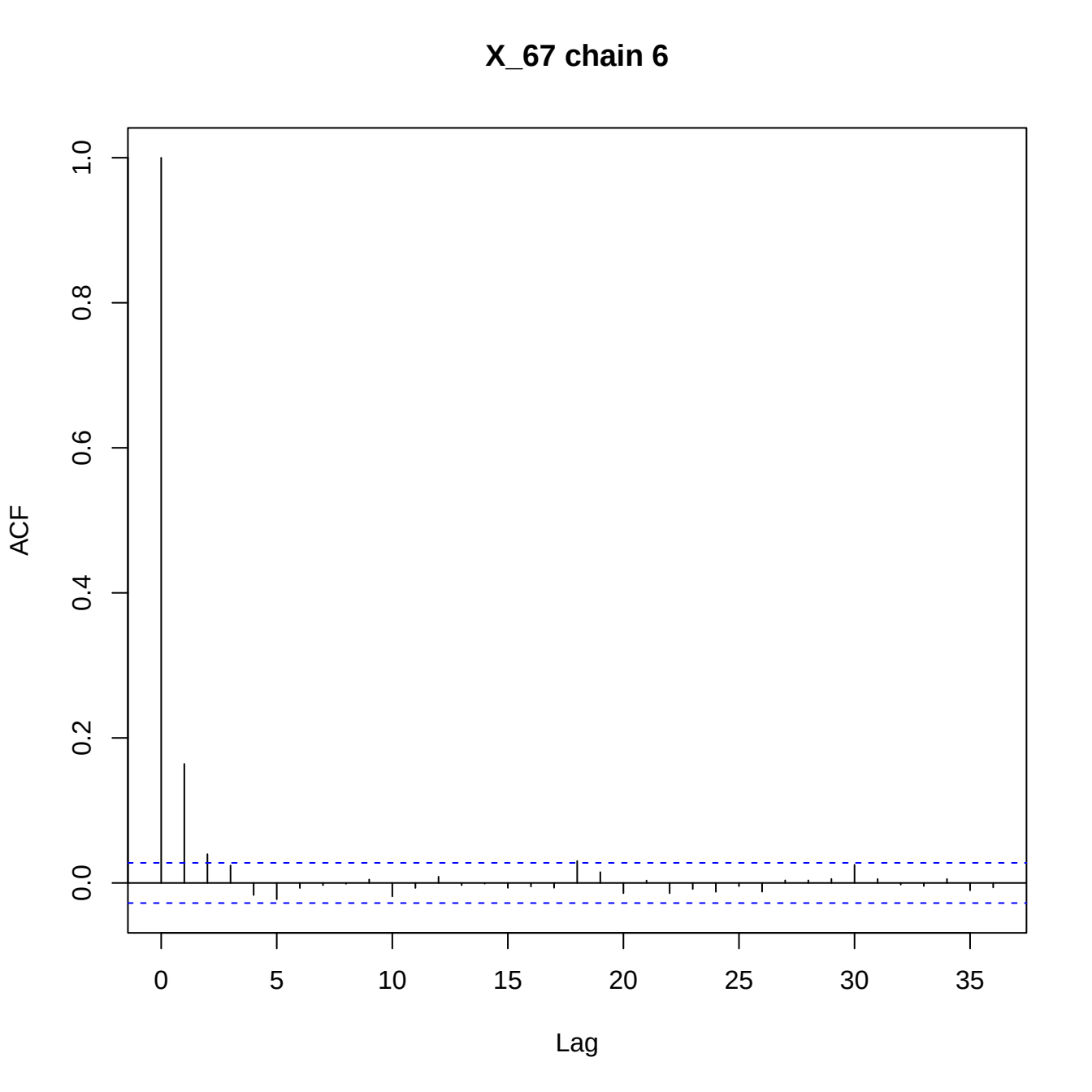
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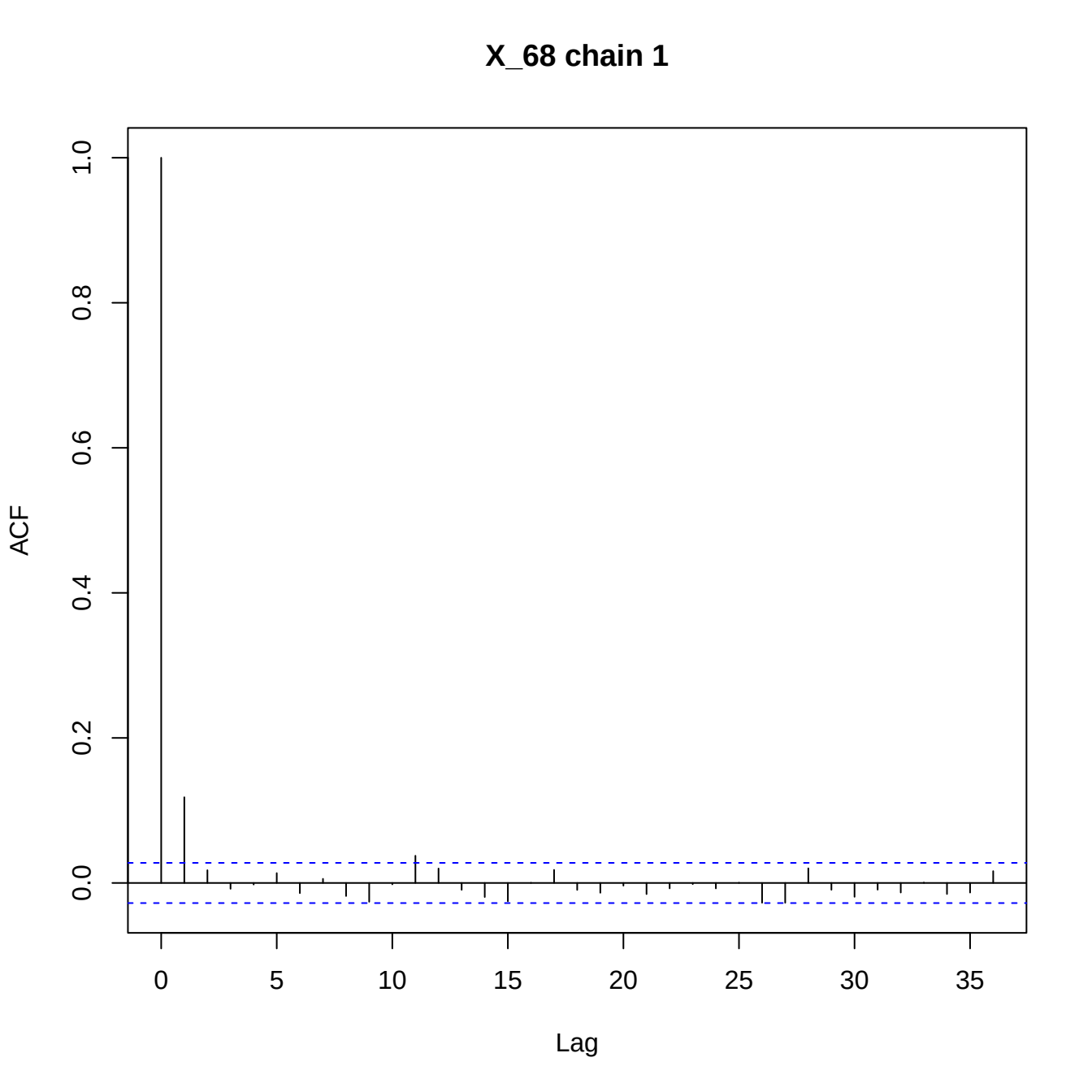
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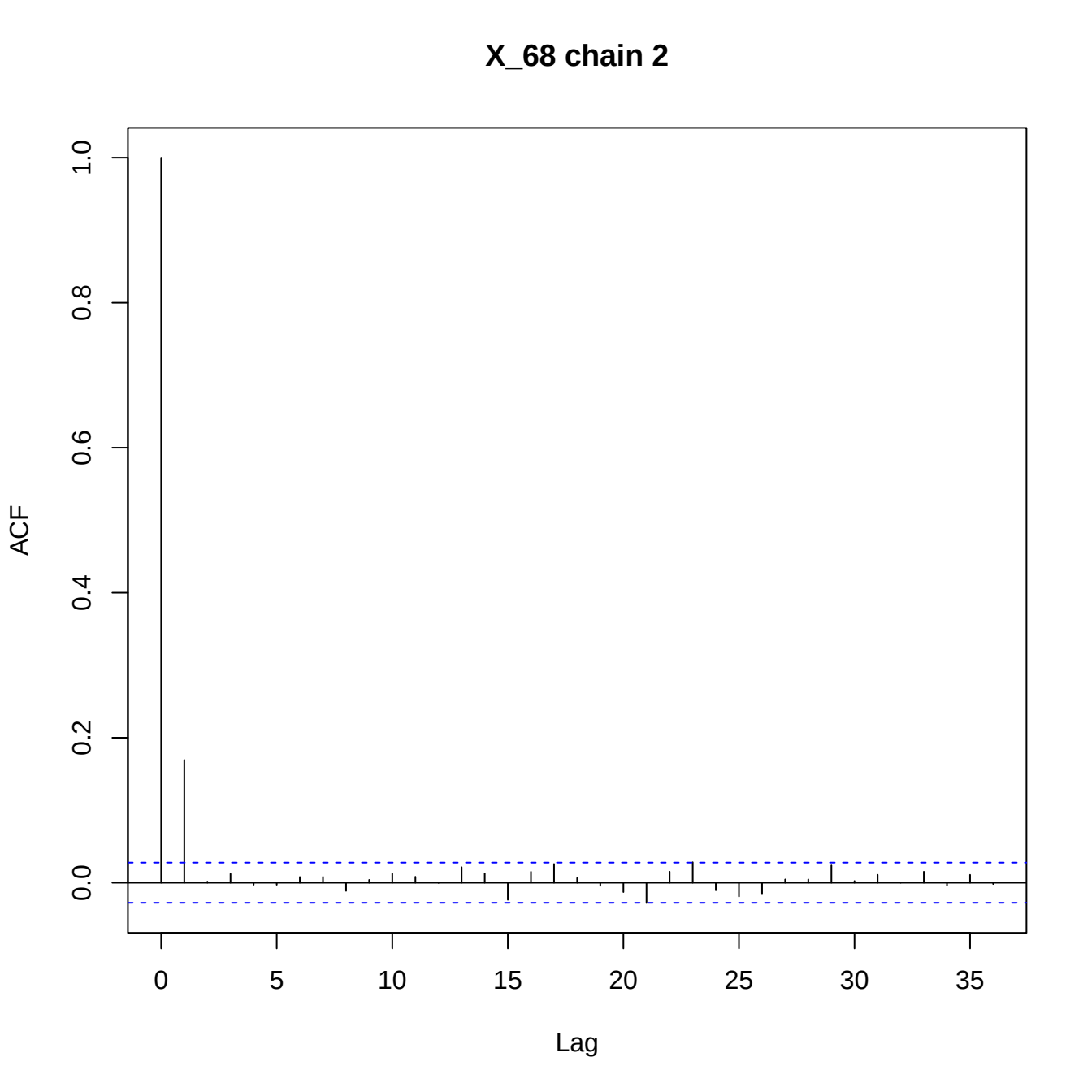
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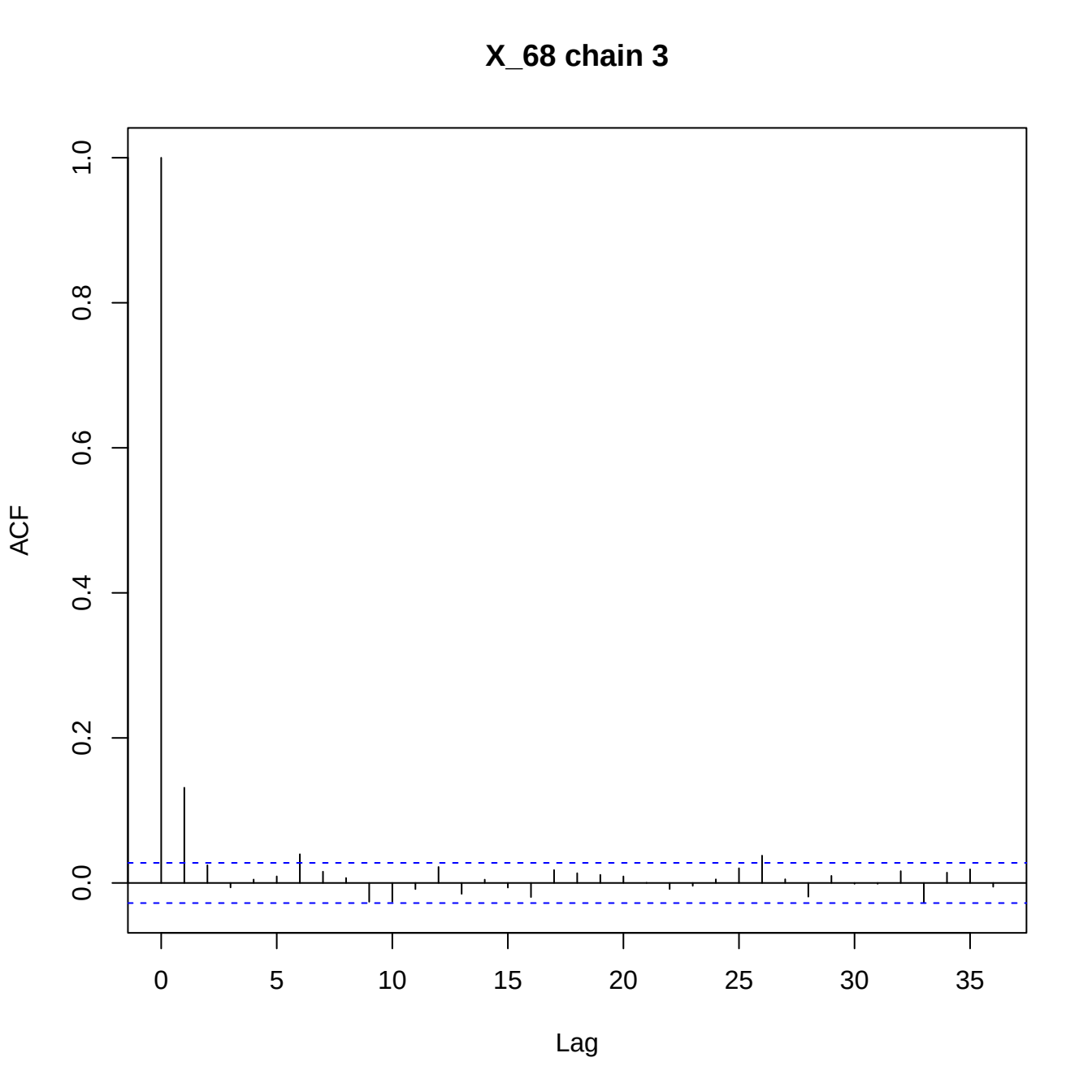
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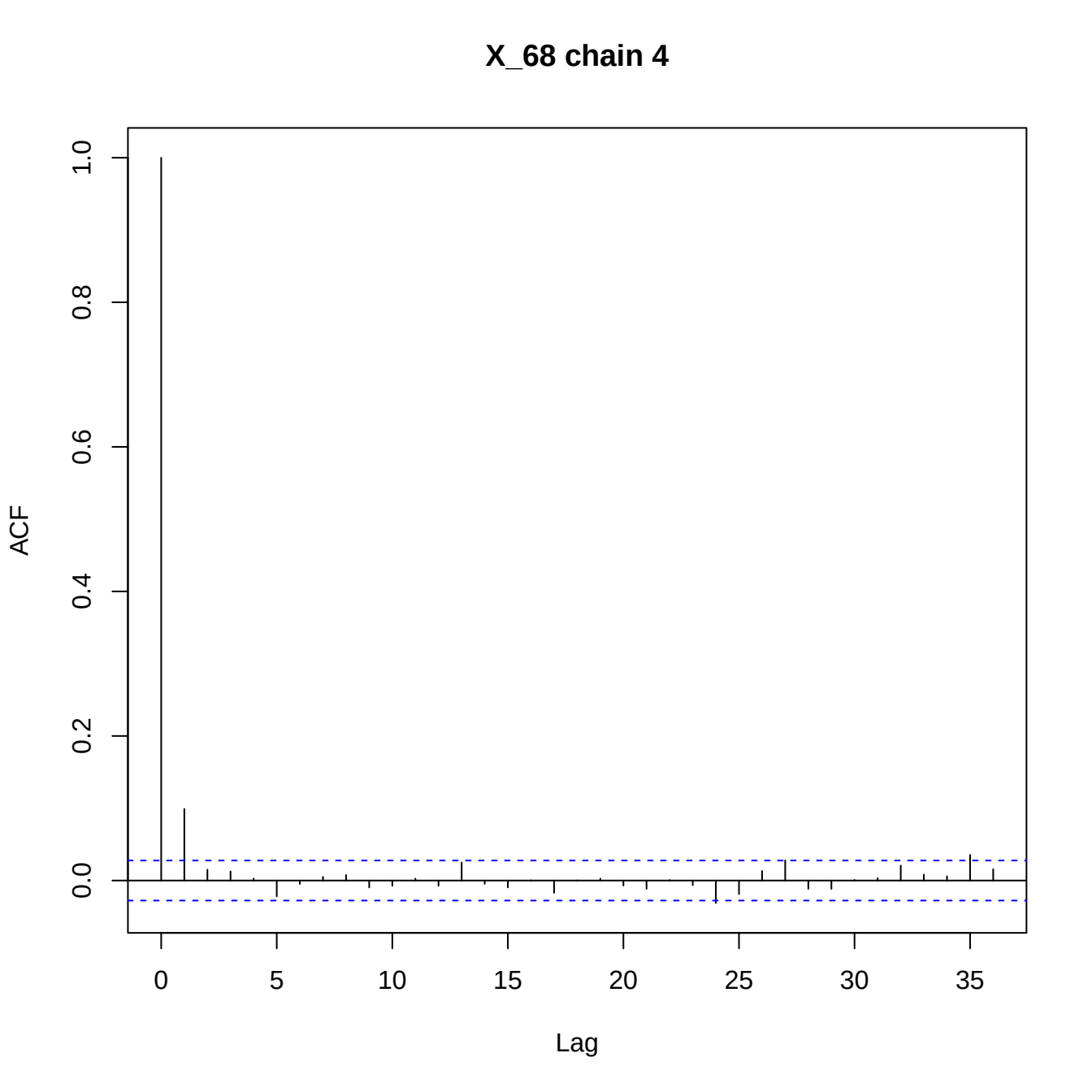
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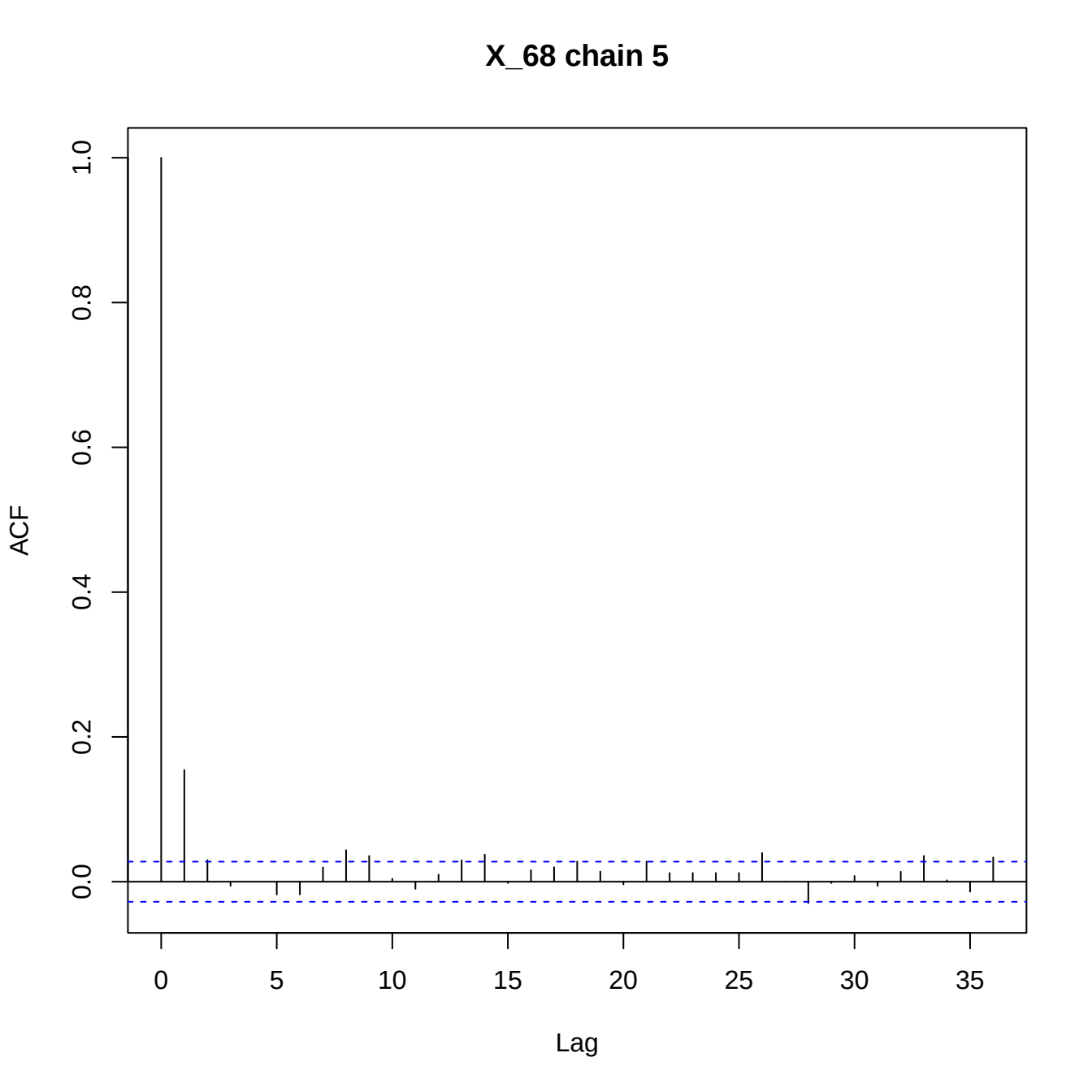
Lag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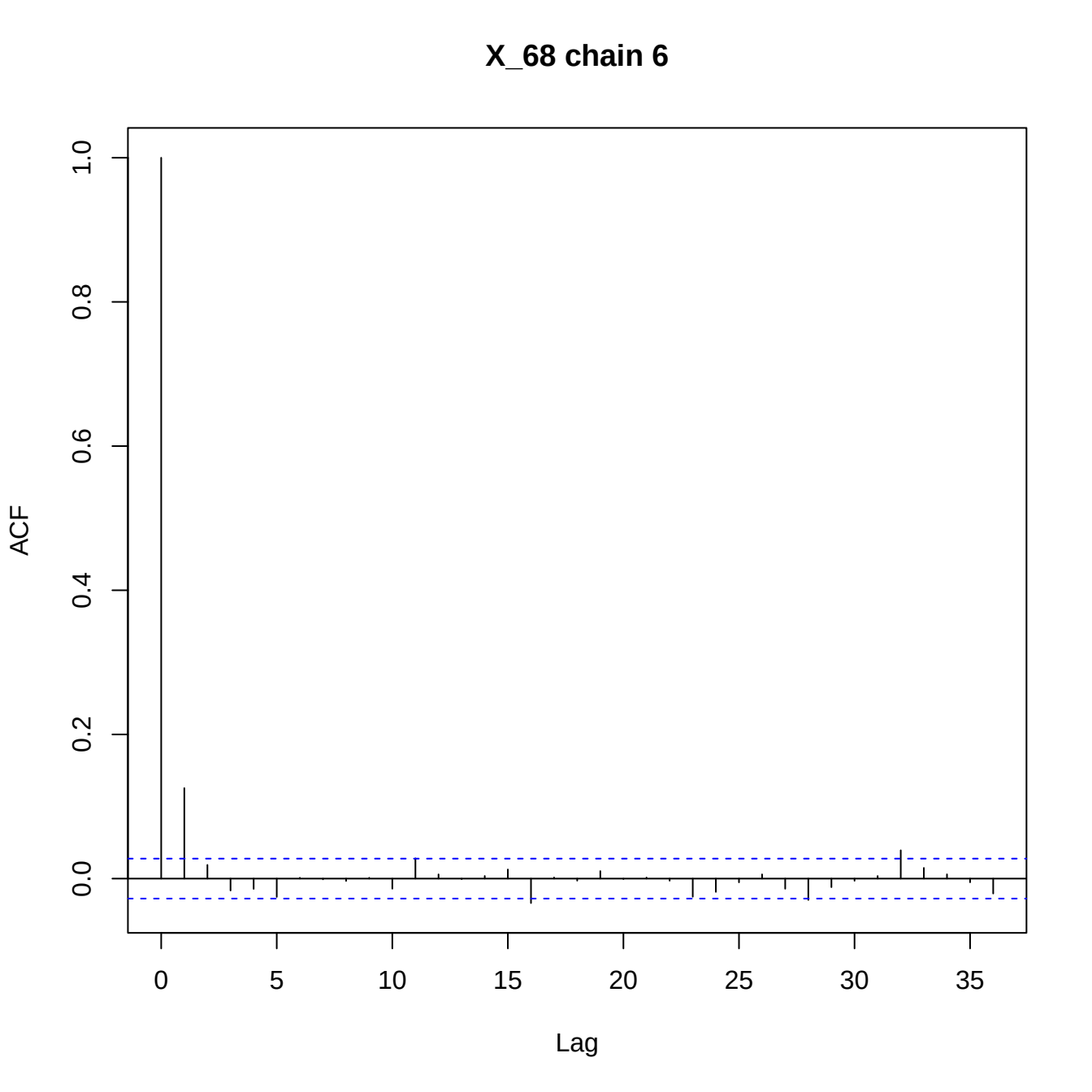
Lag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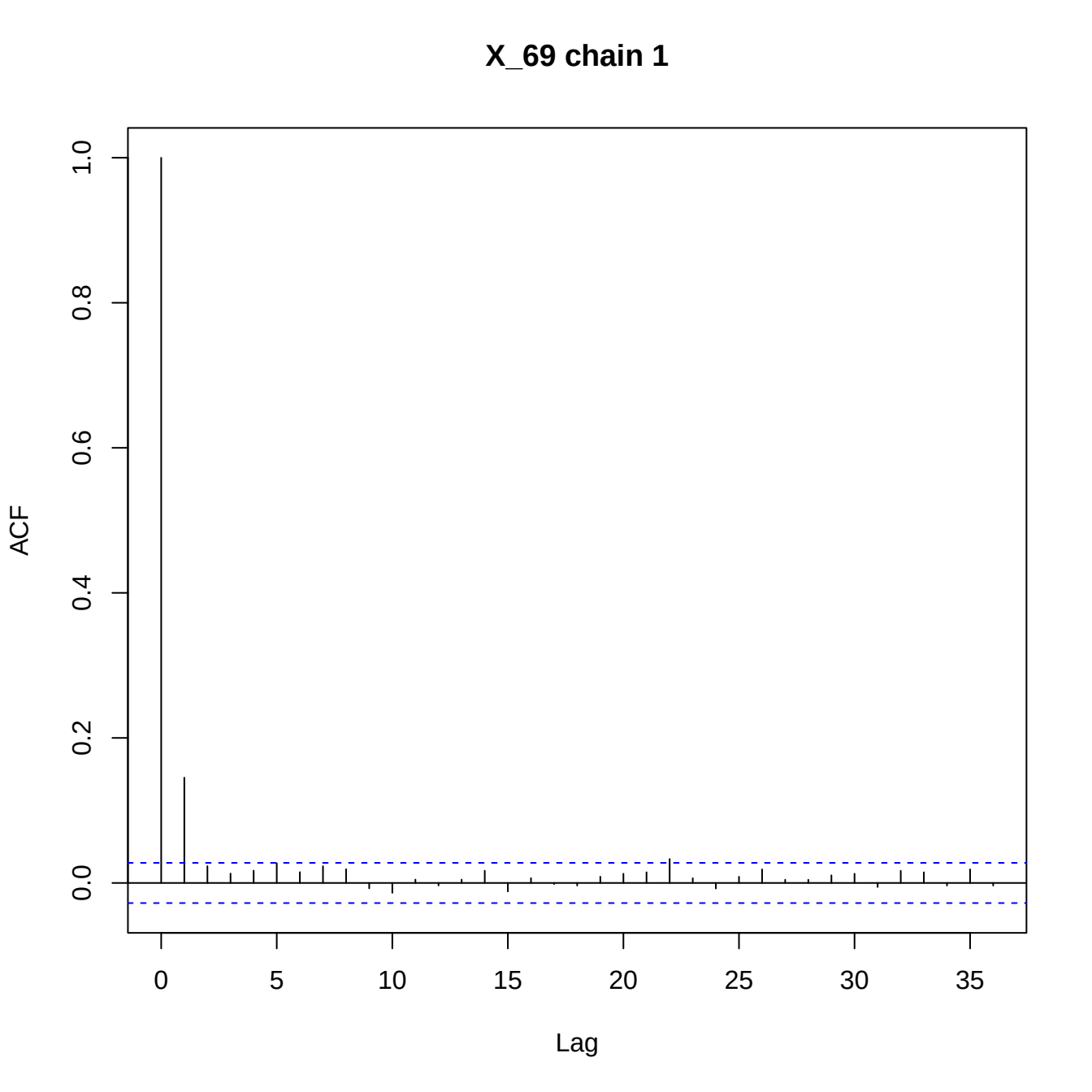
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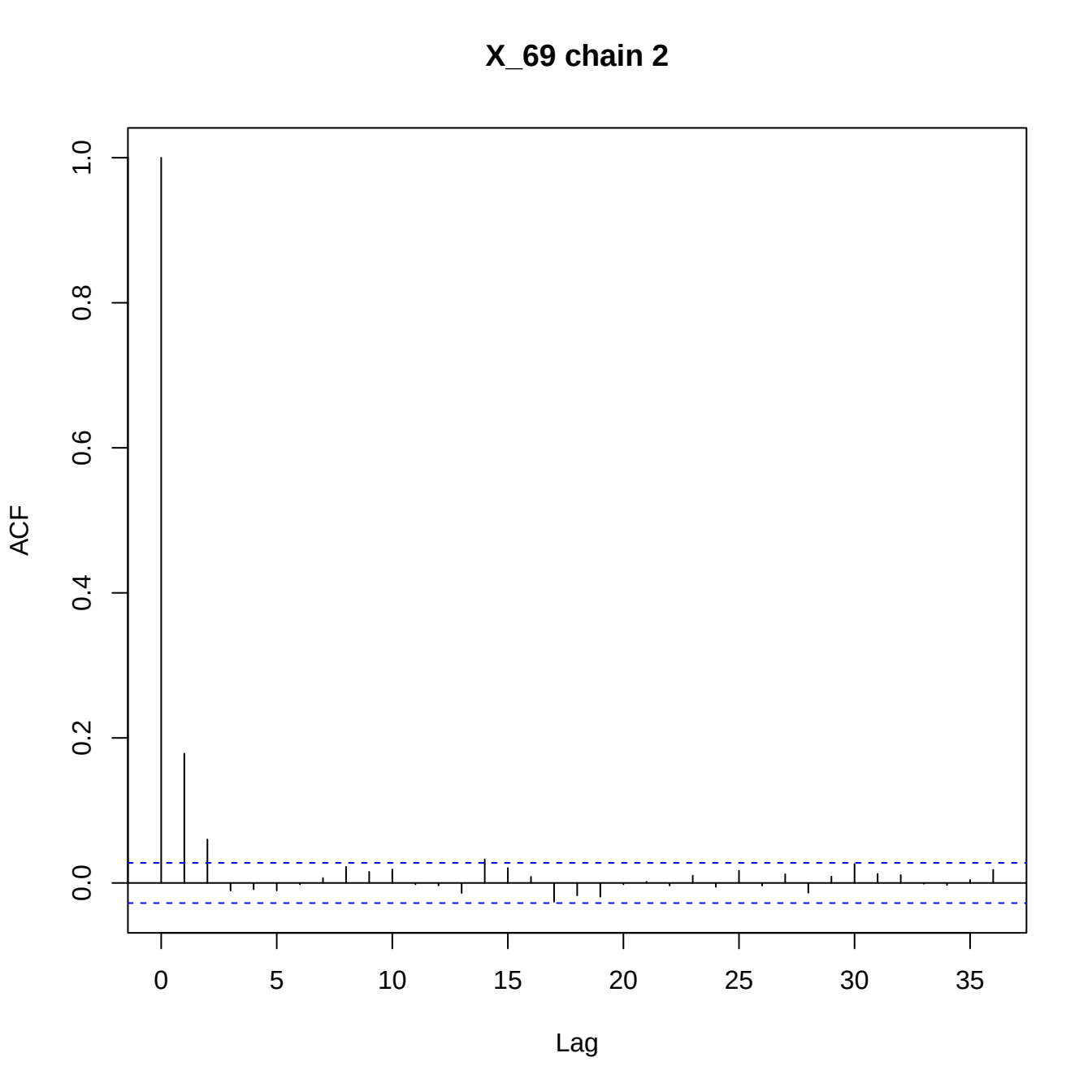
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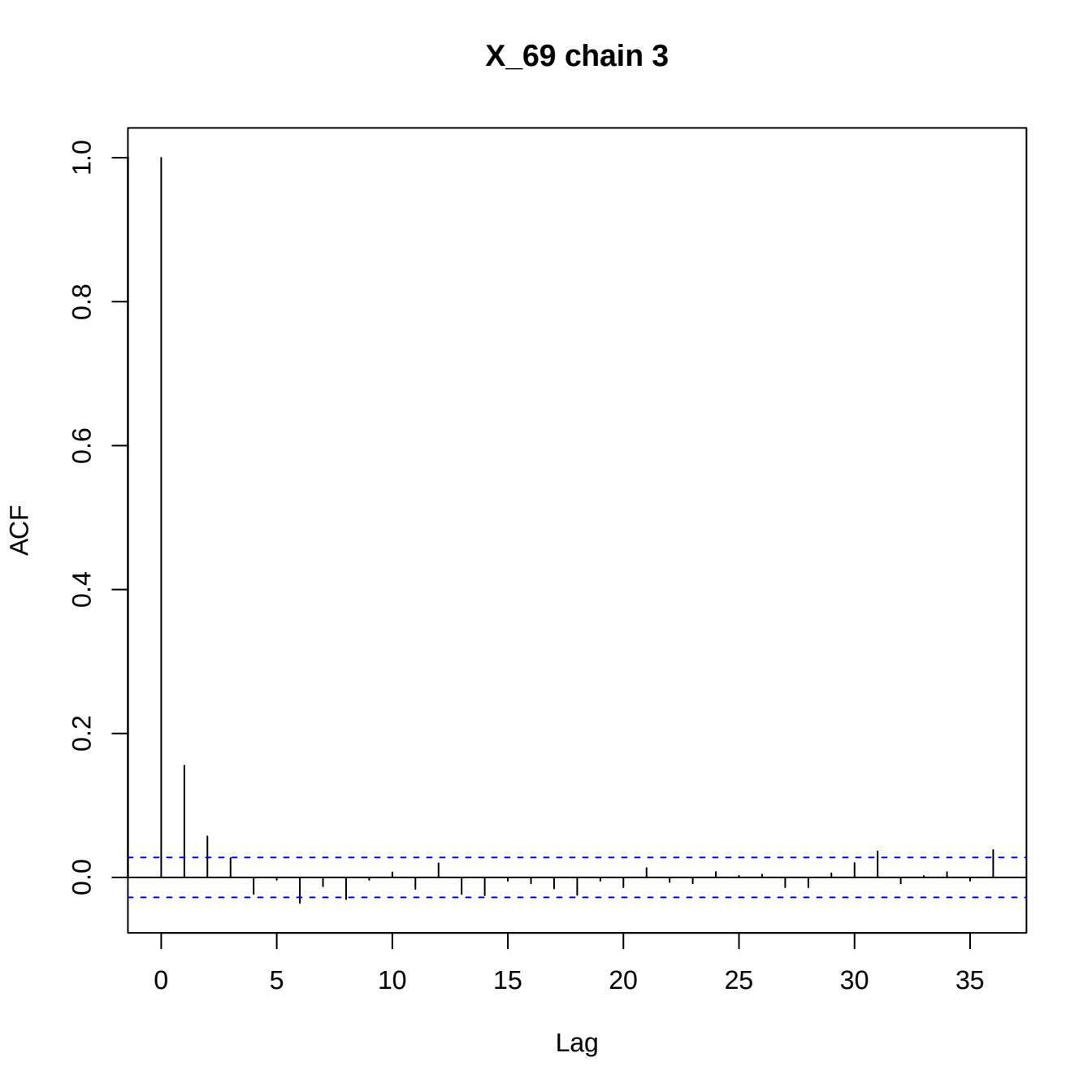
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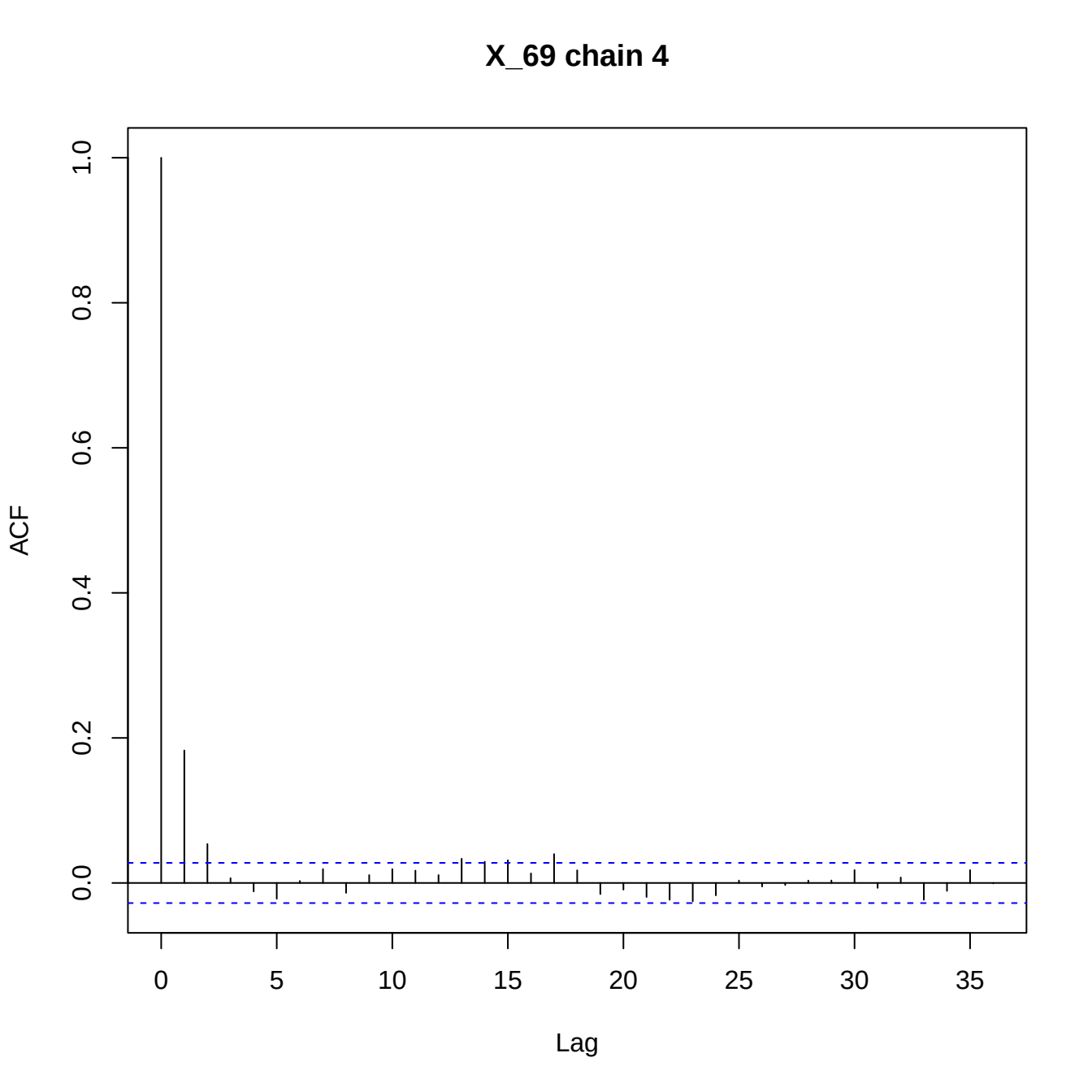
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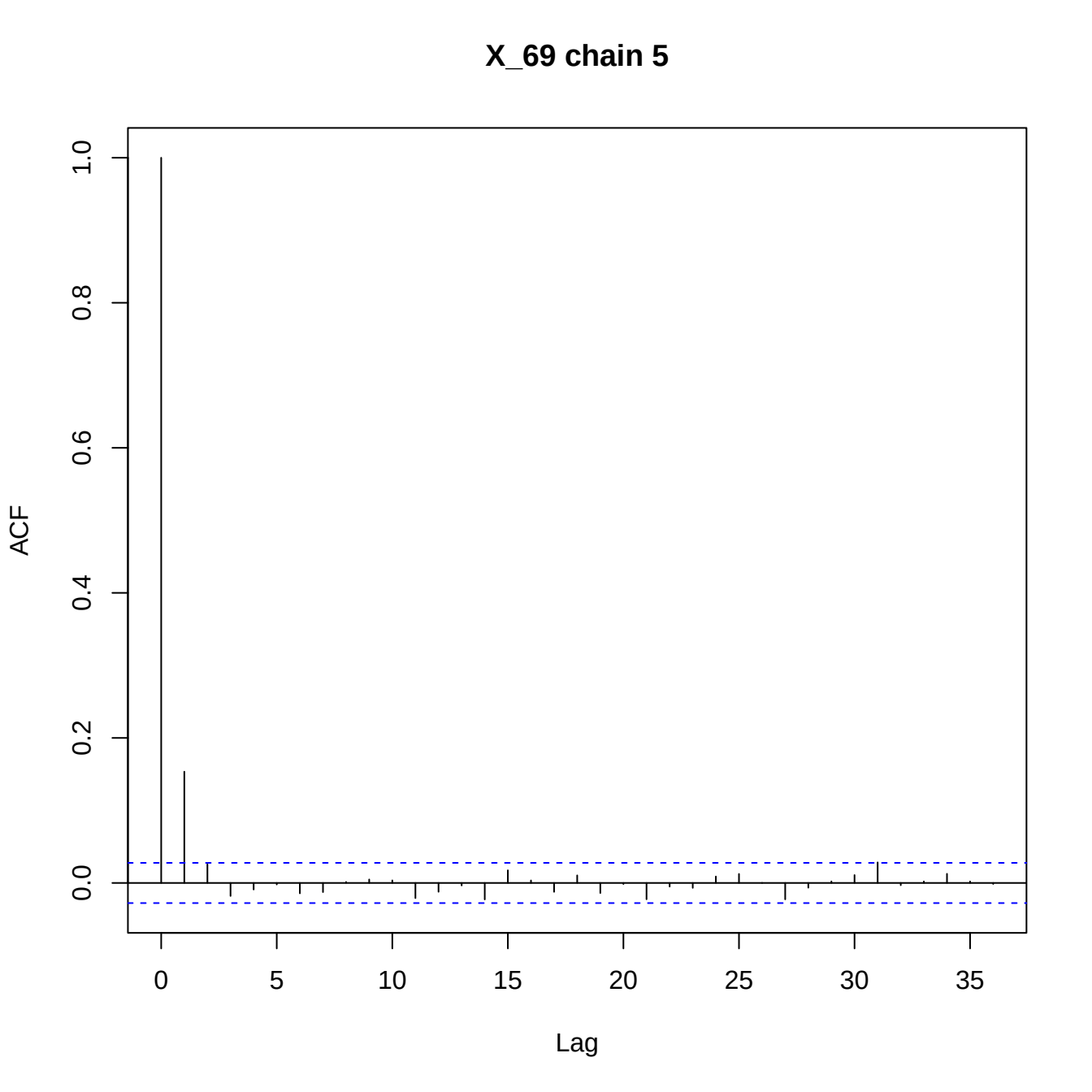
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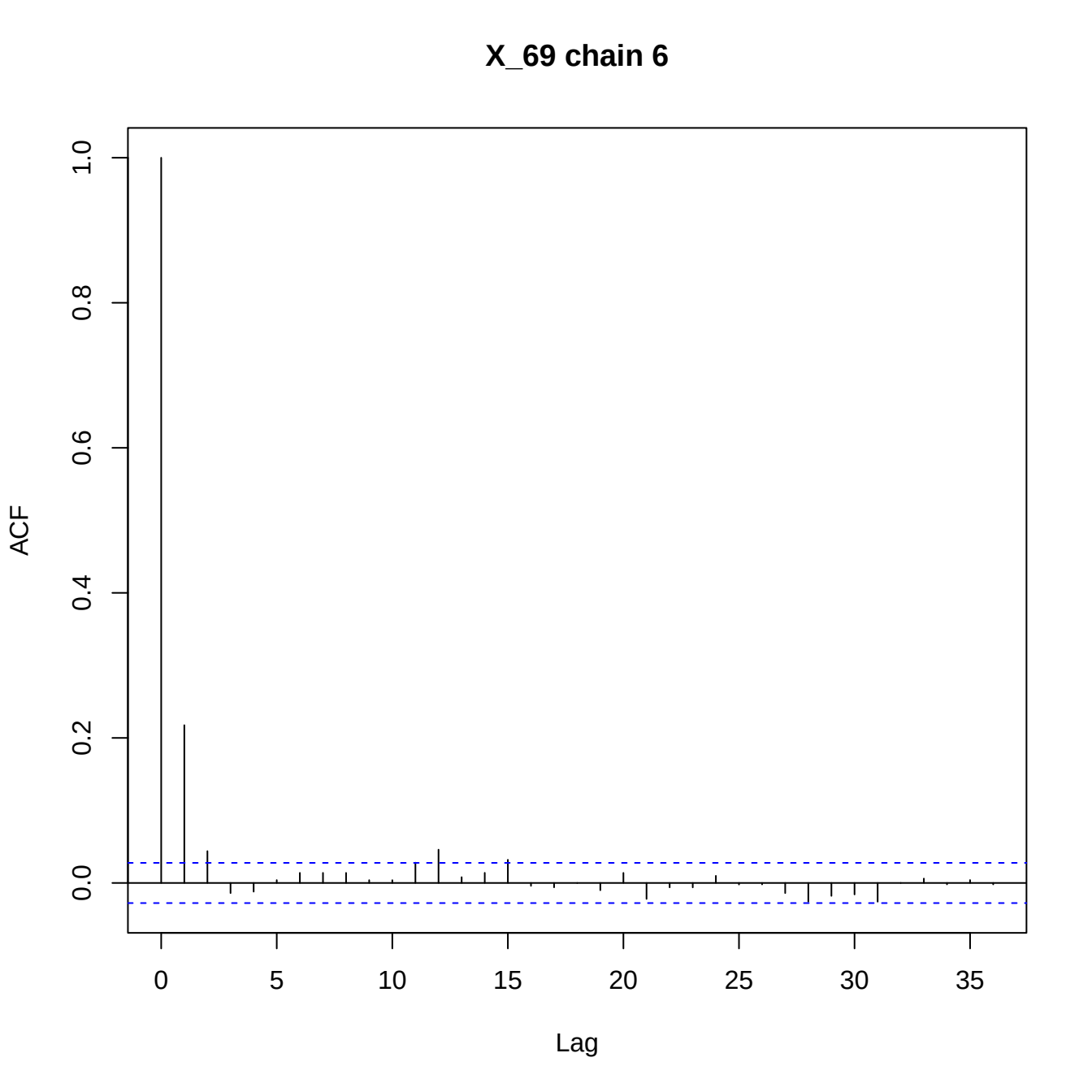
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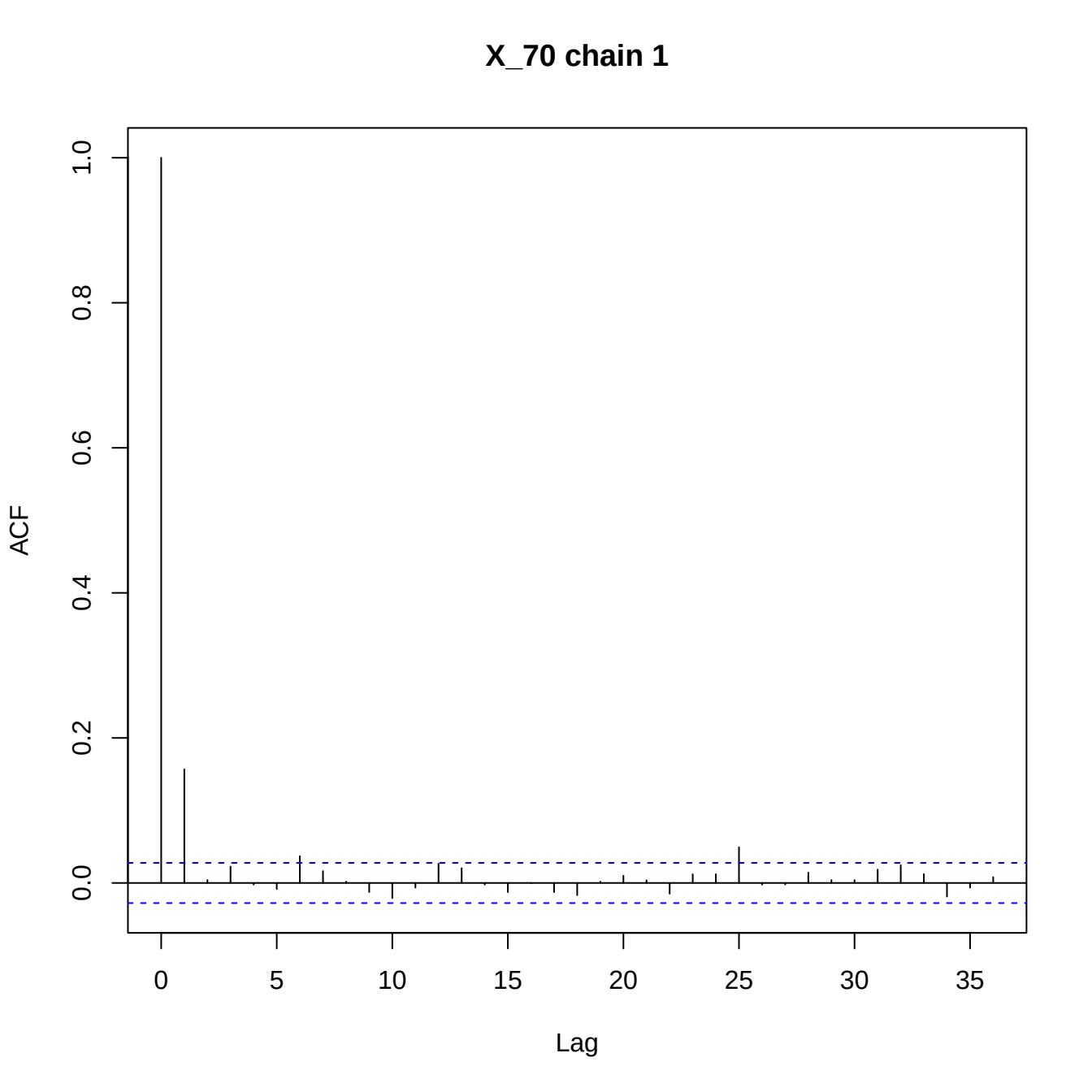
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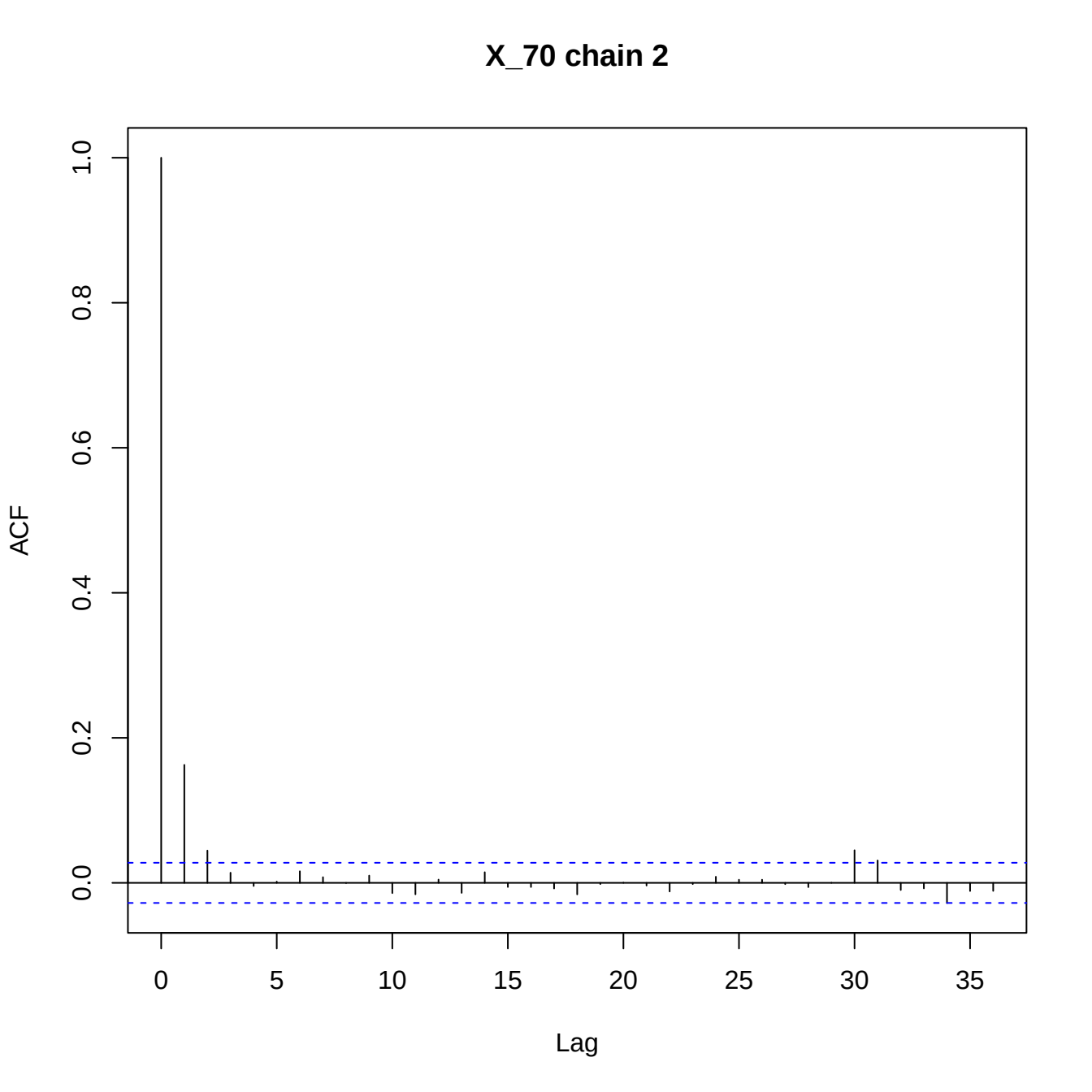
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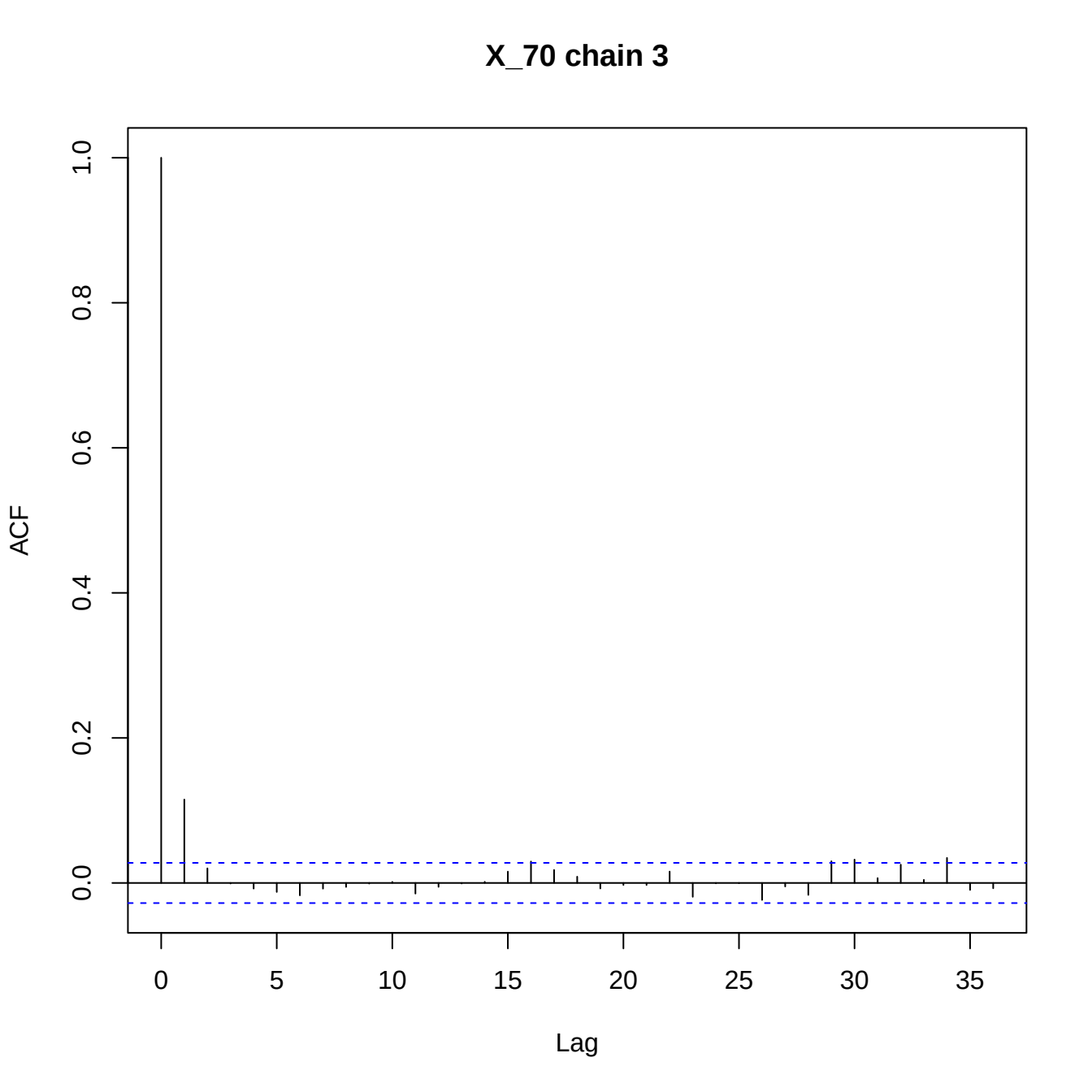
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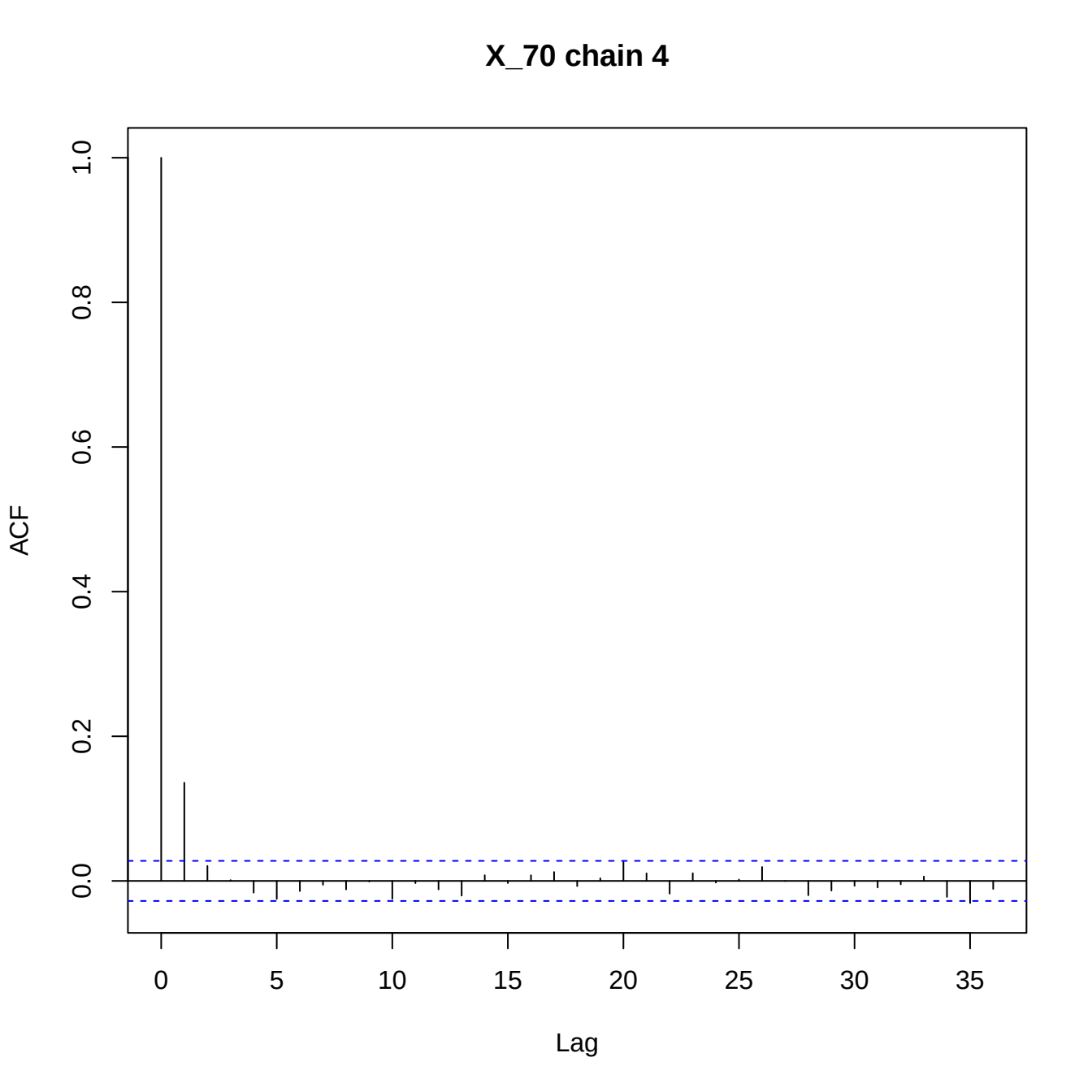
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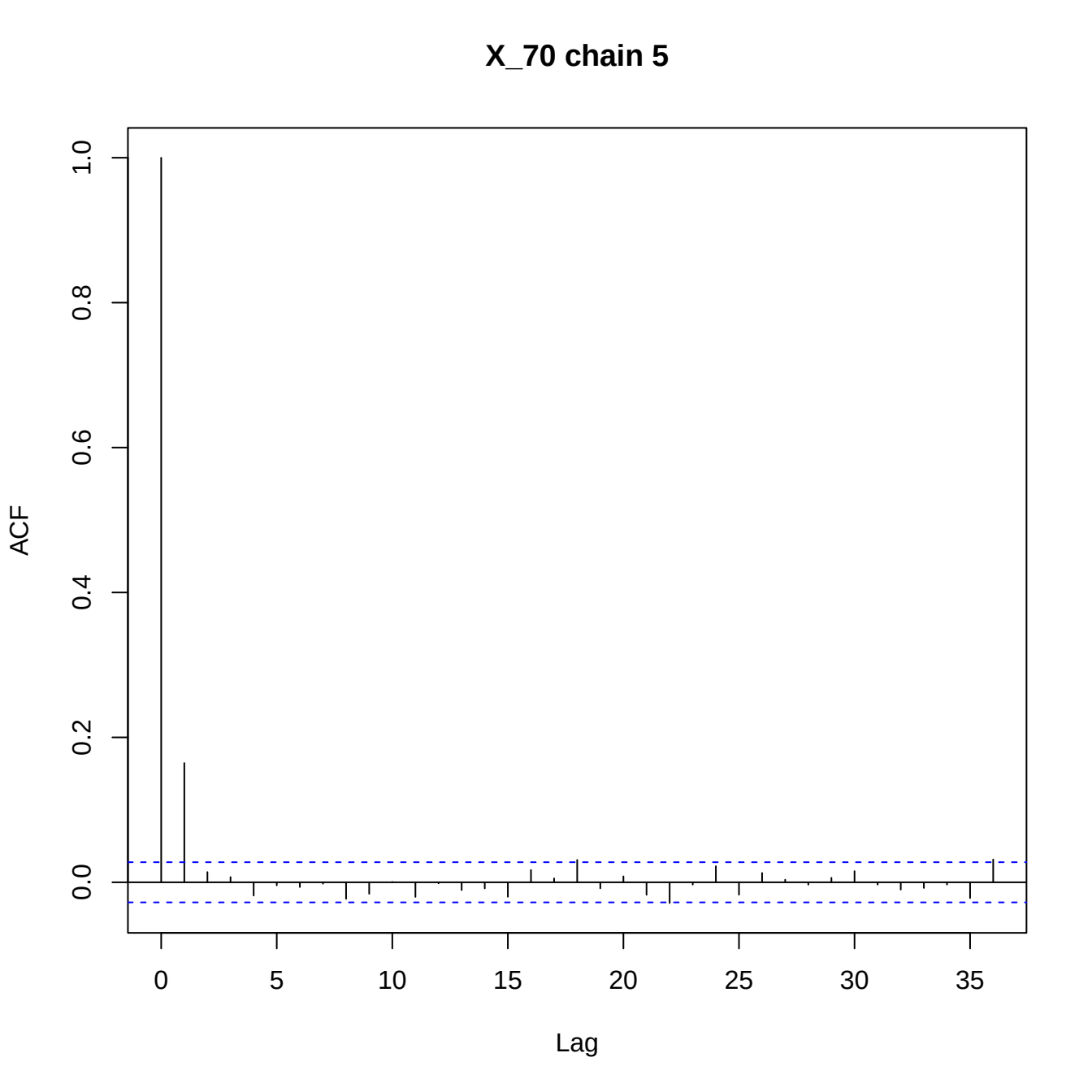
Lag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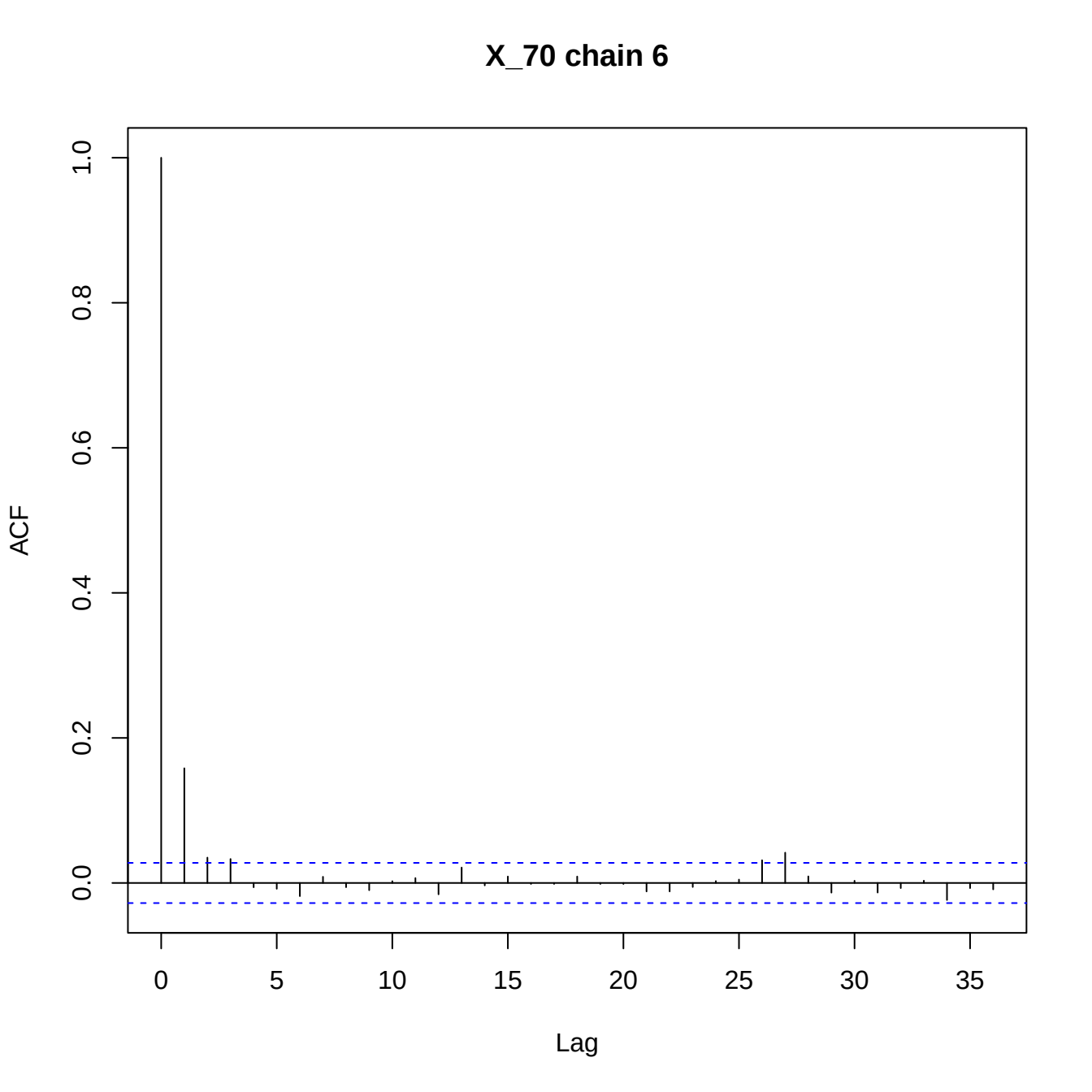
Lag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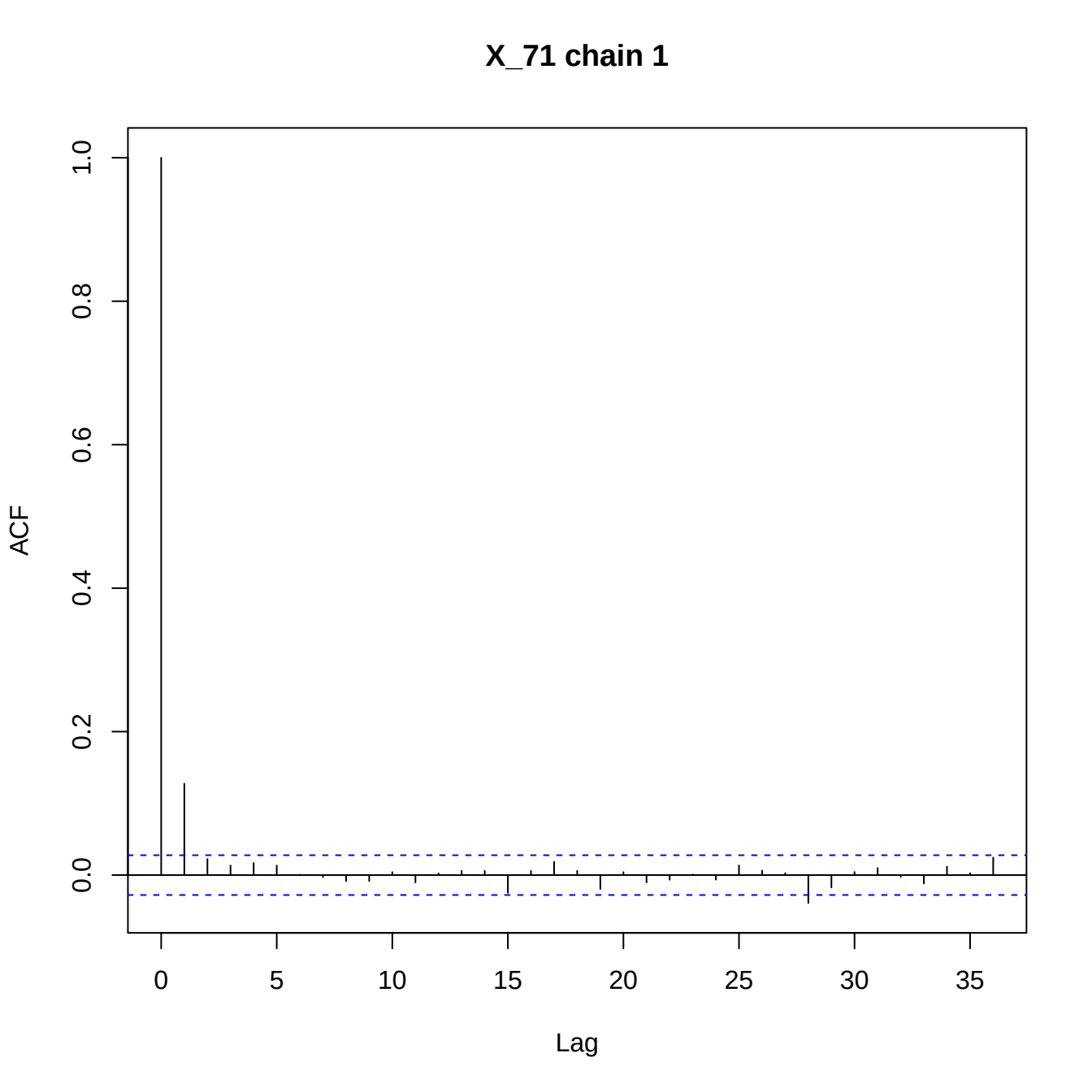
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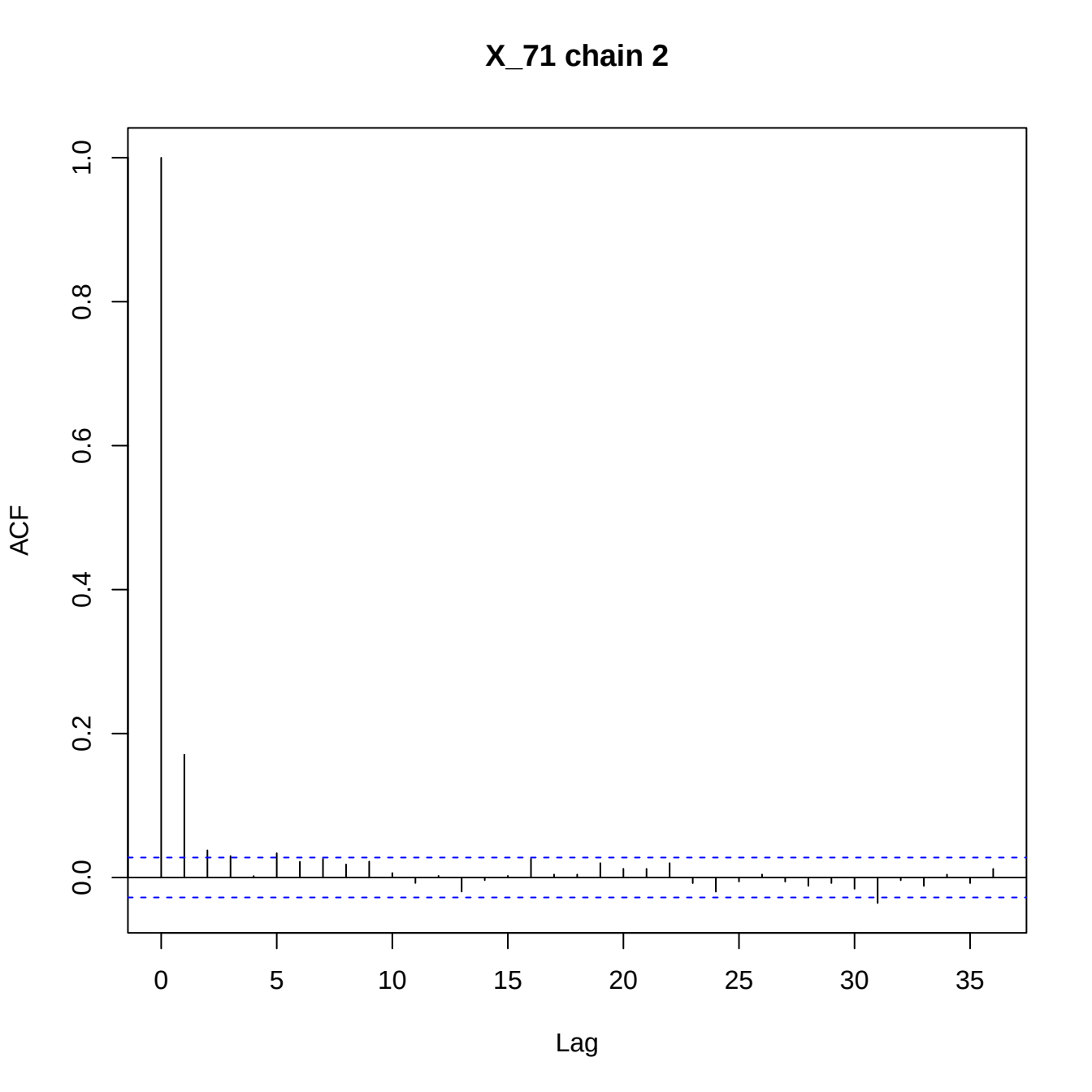
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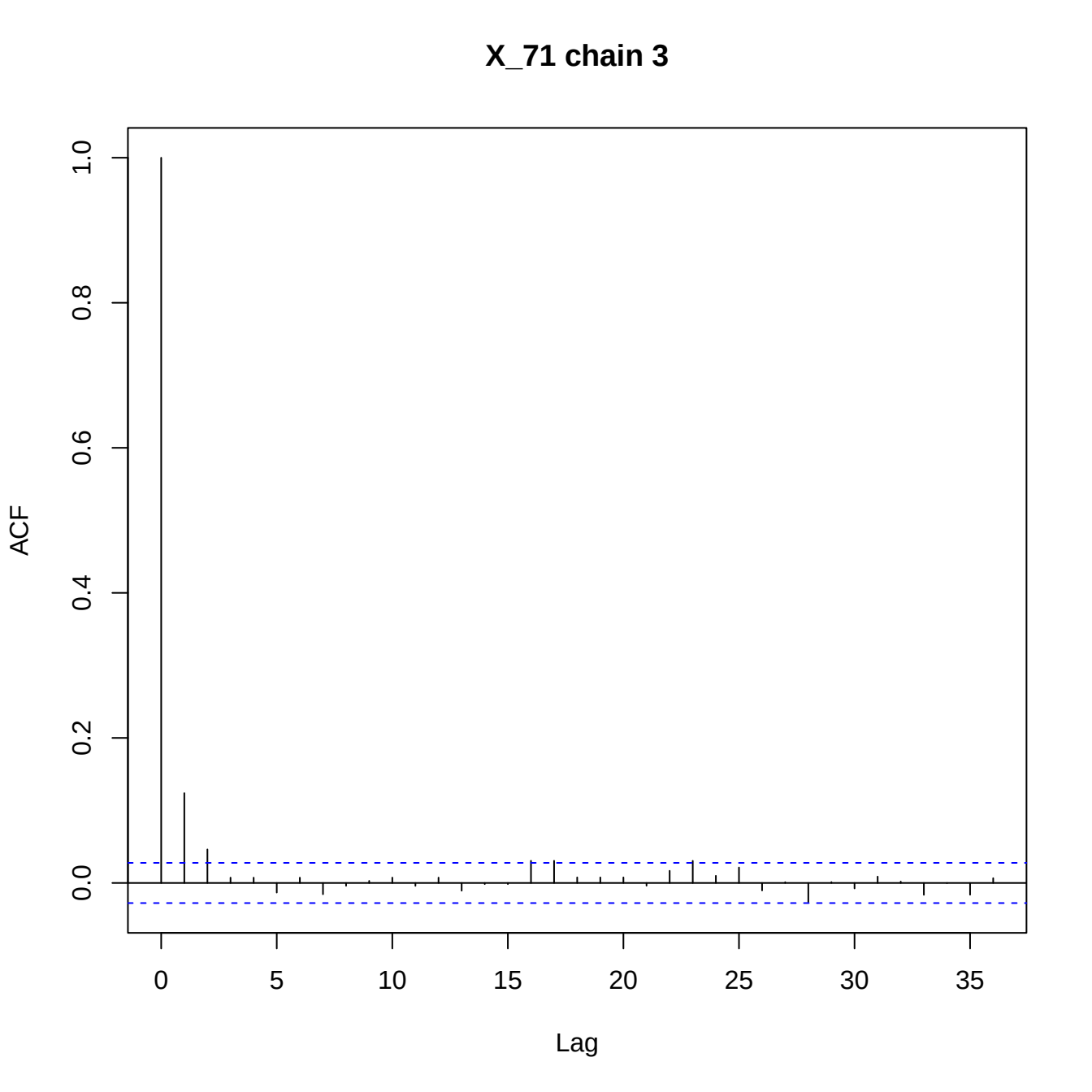
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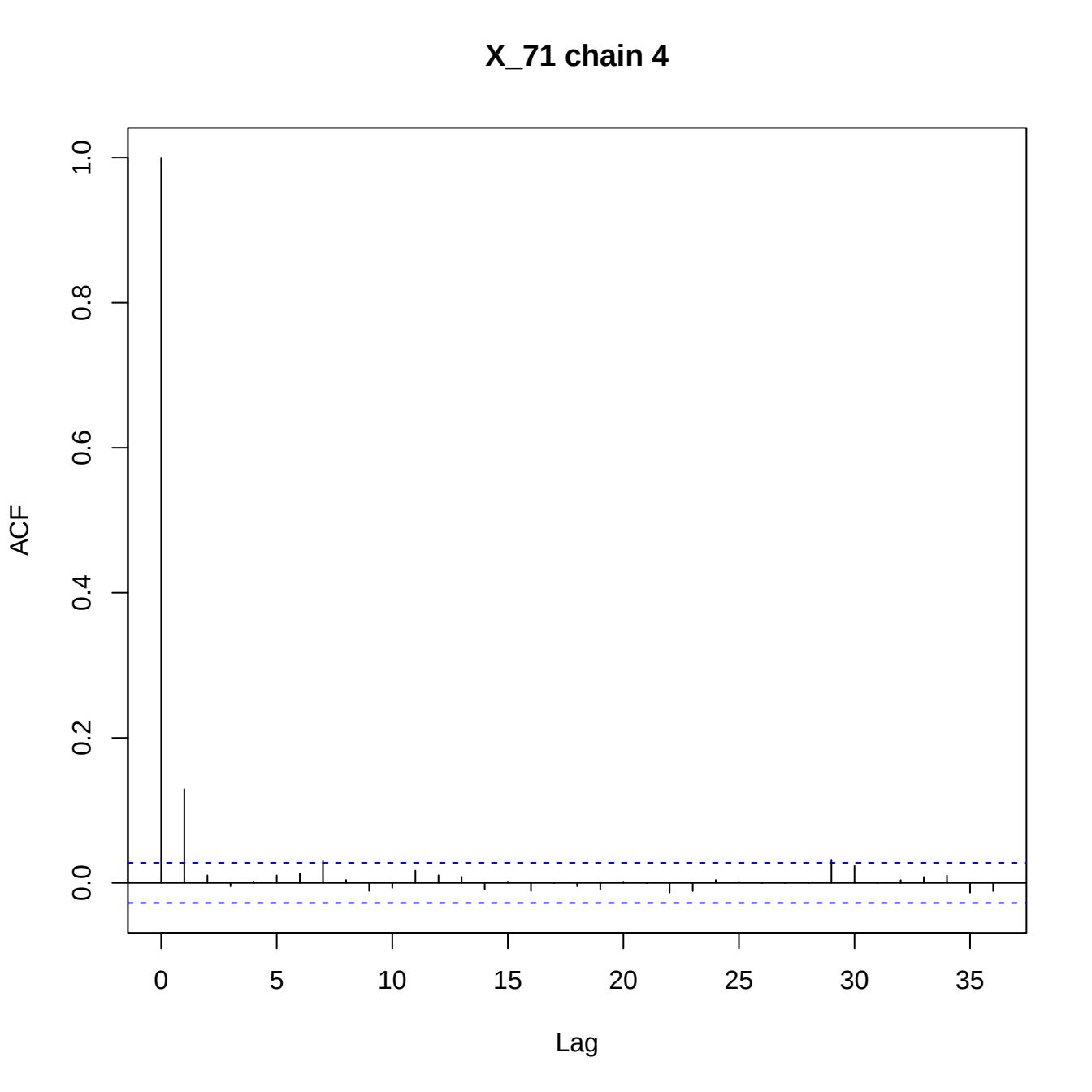
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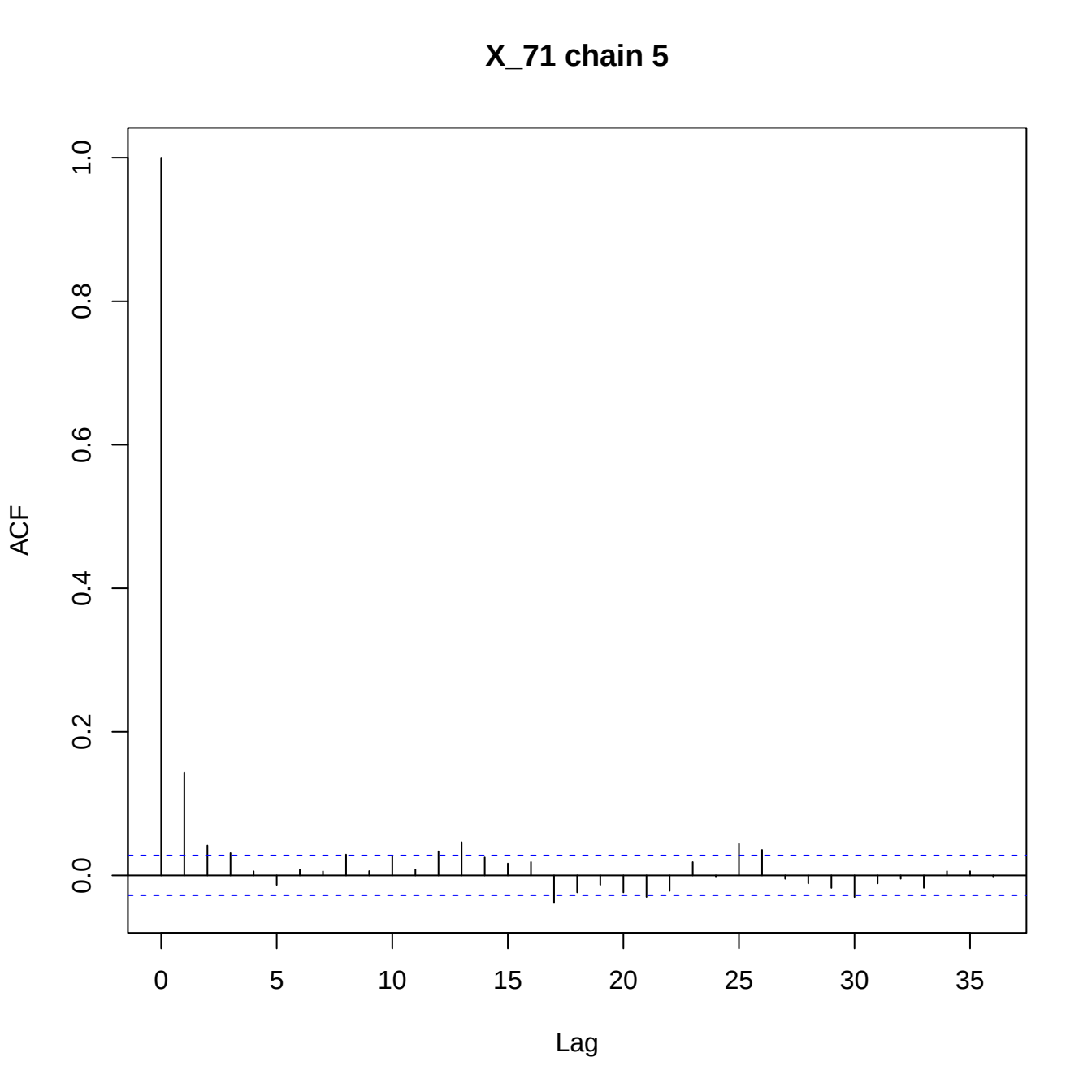
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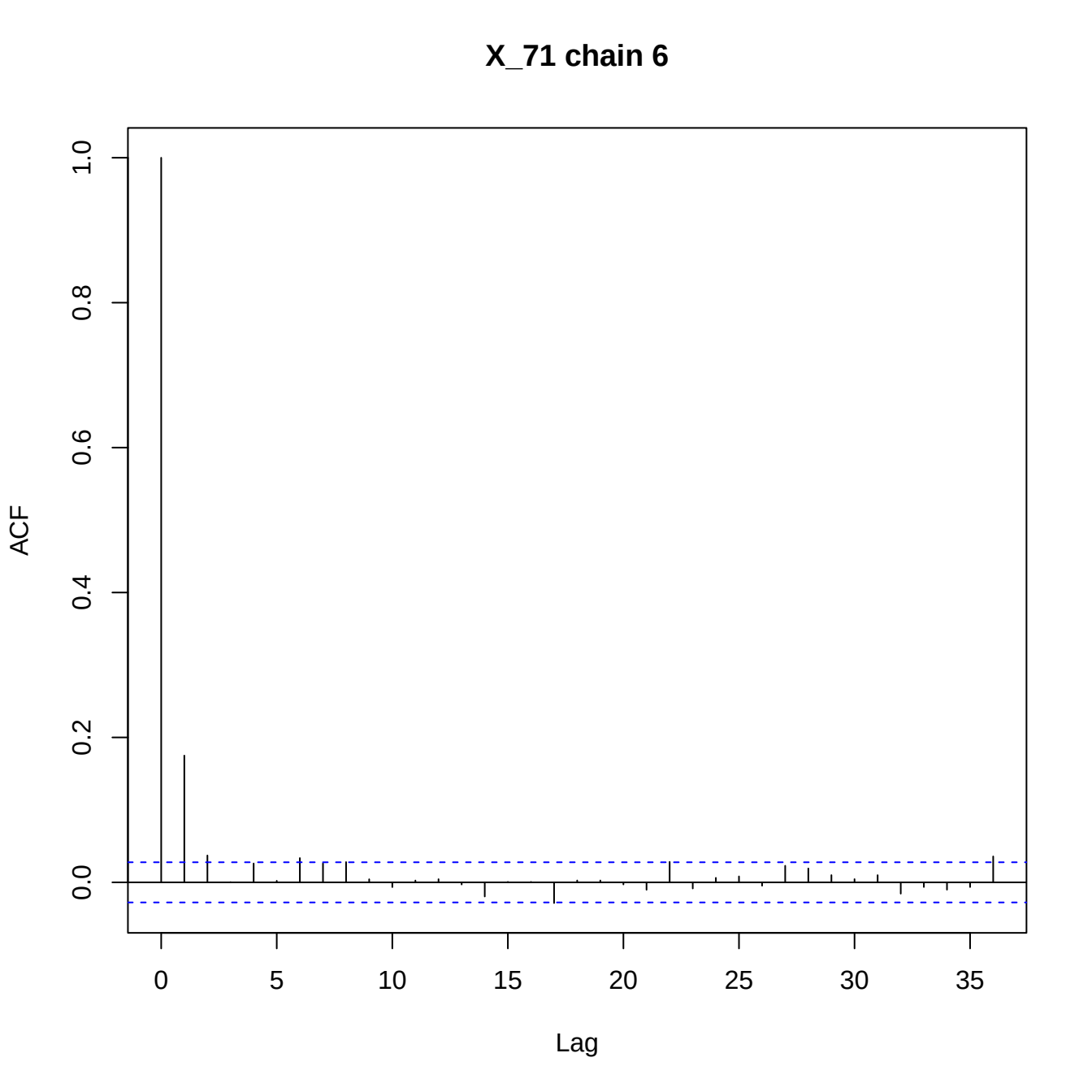
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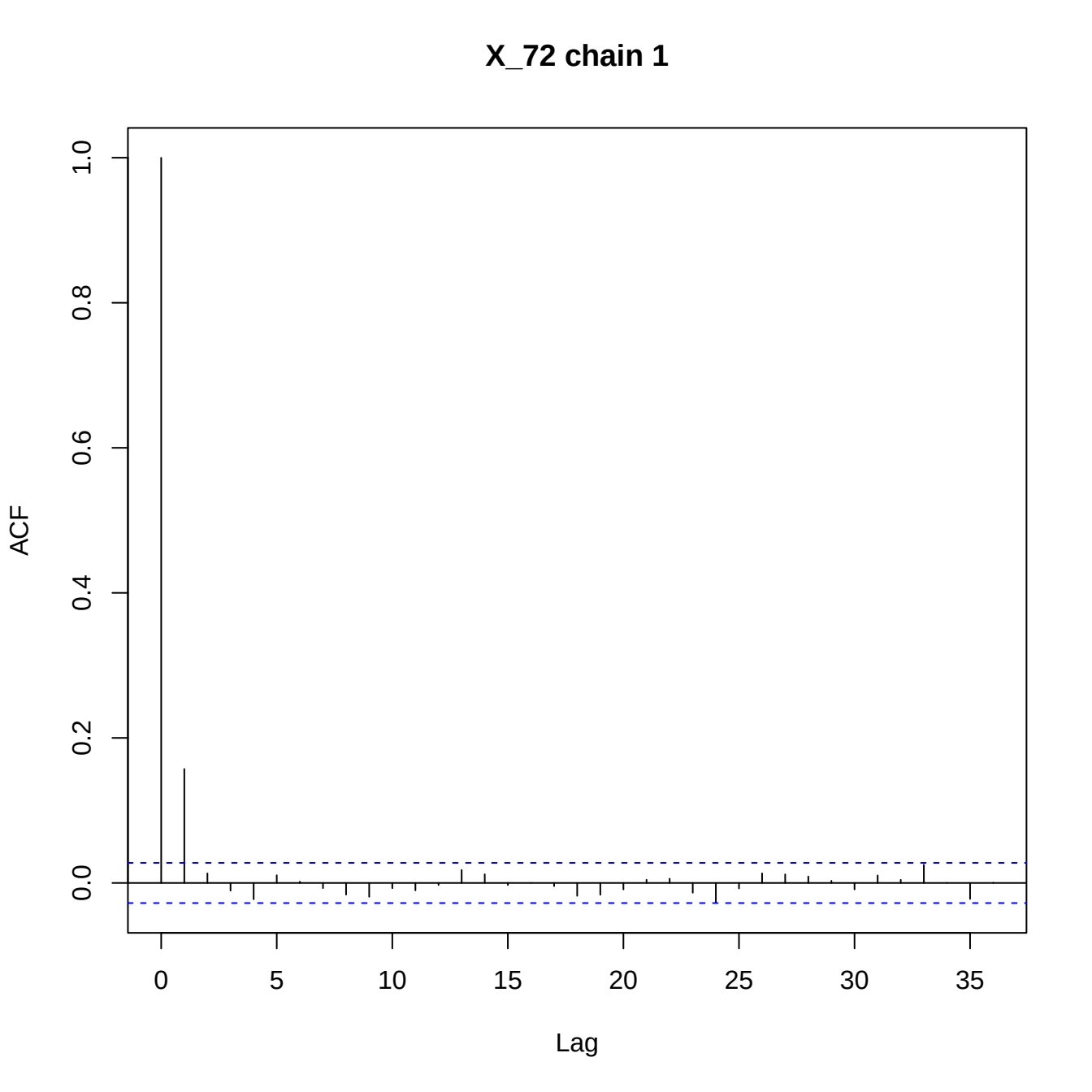
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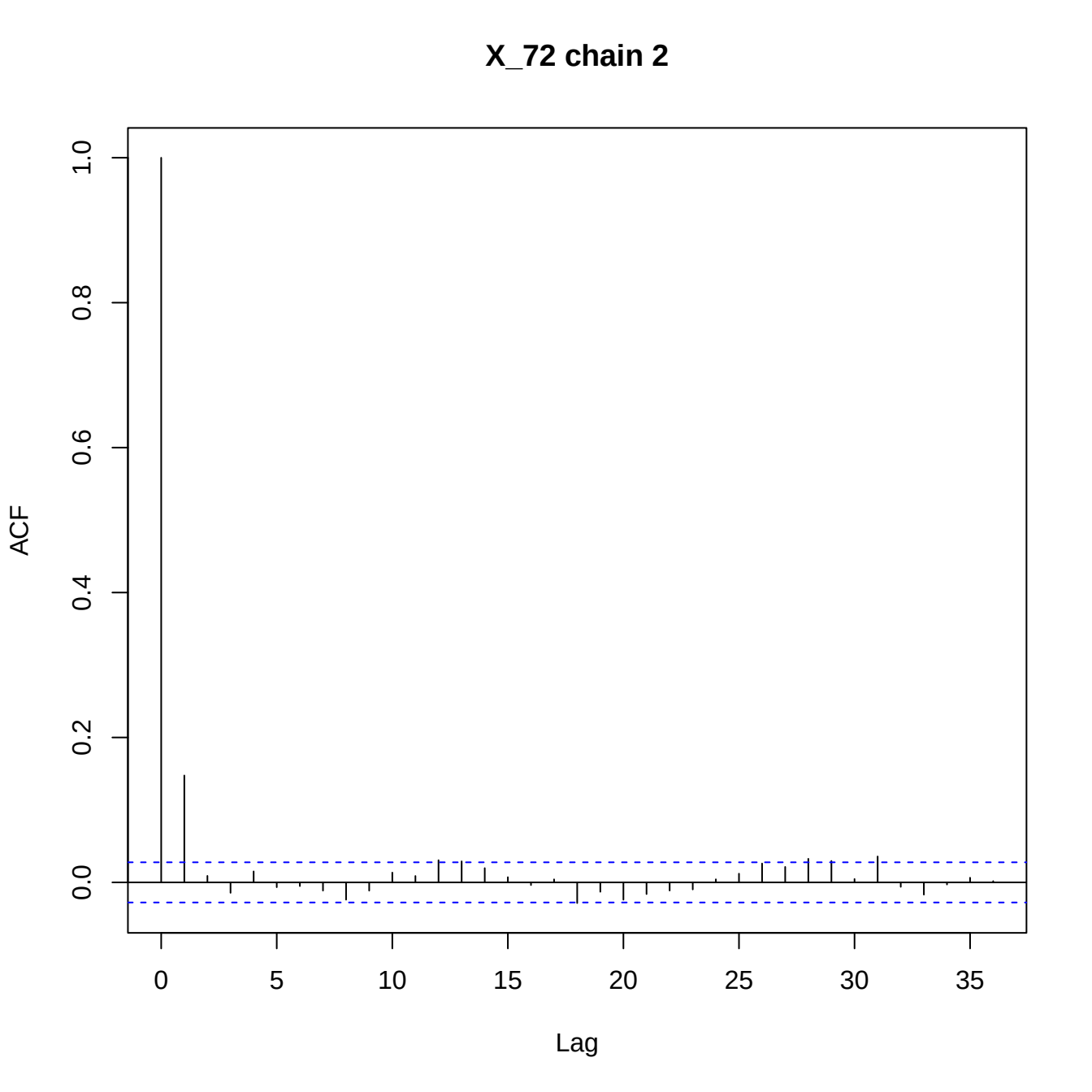
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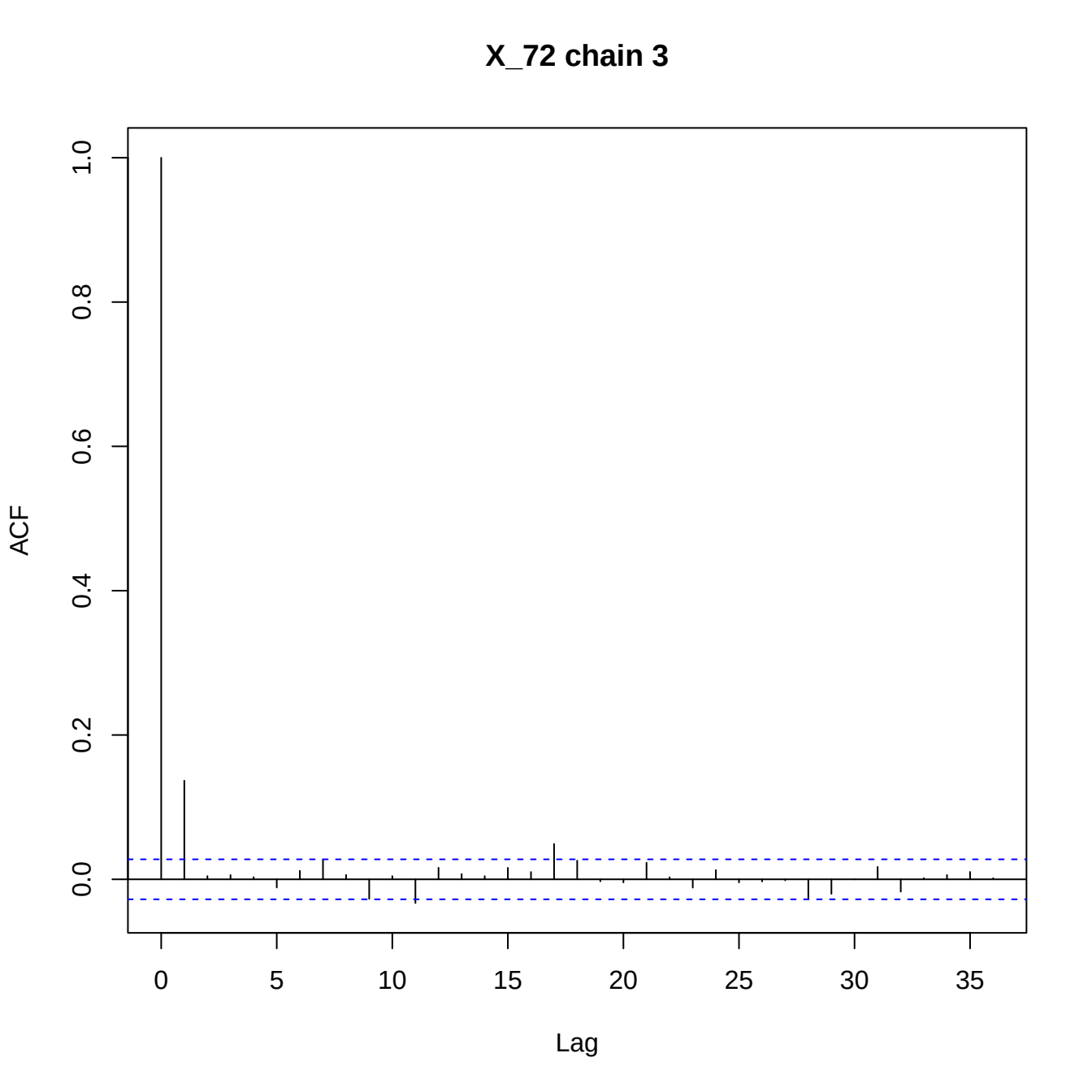
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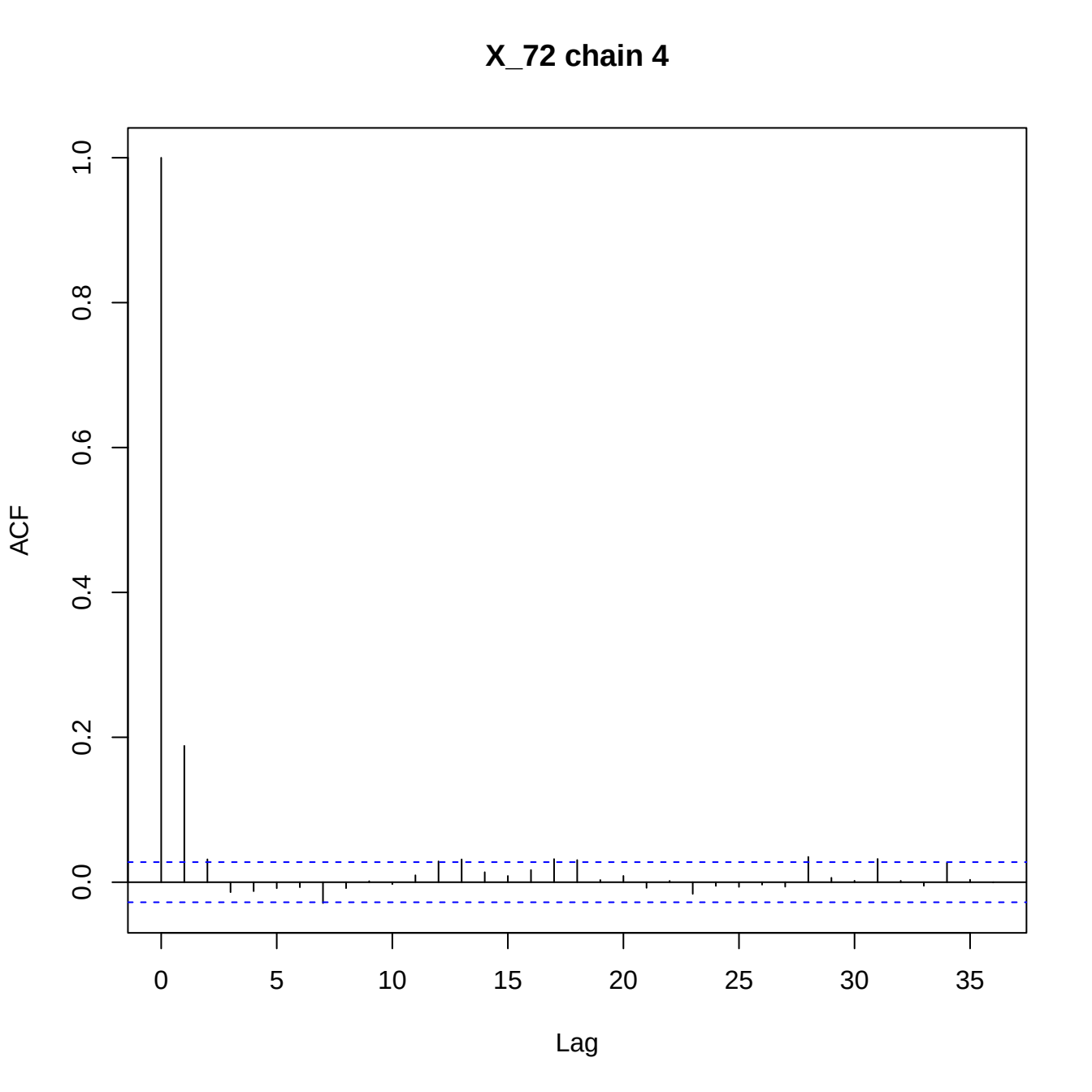
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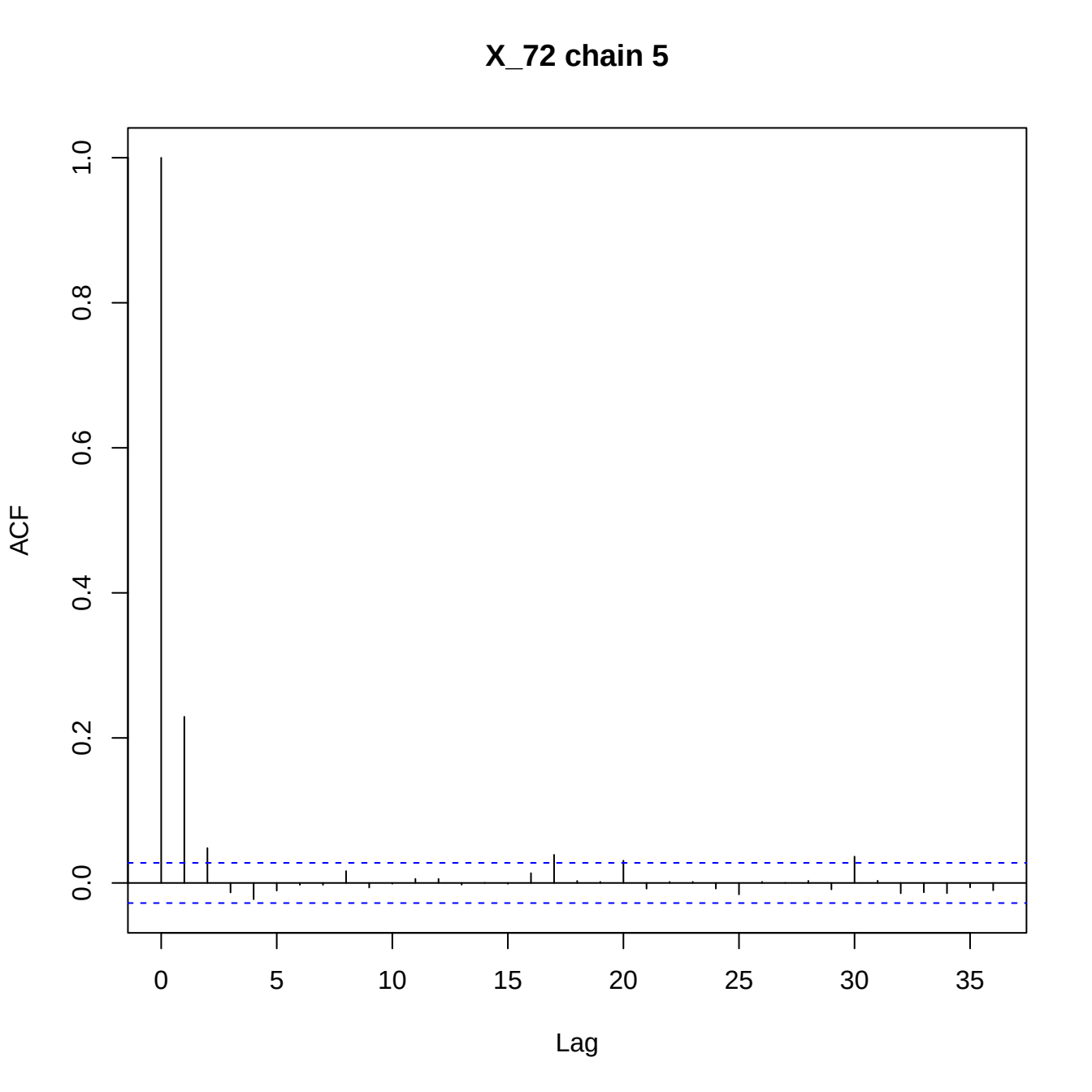
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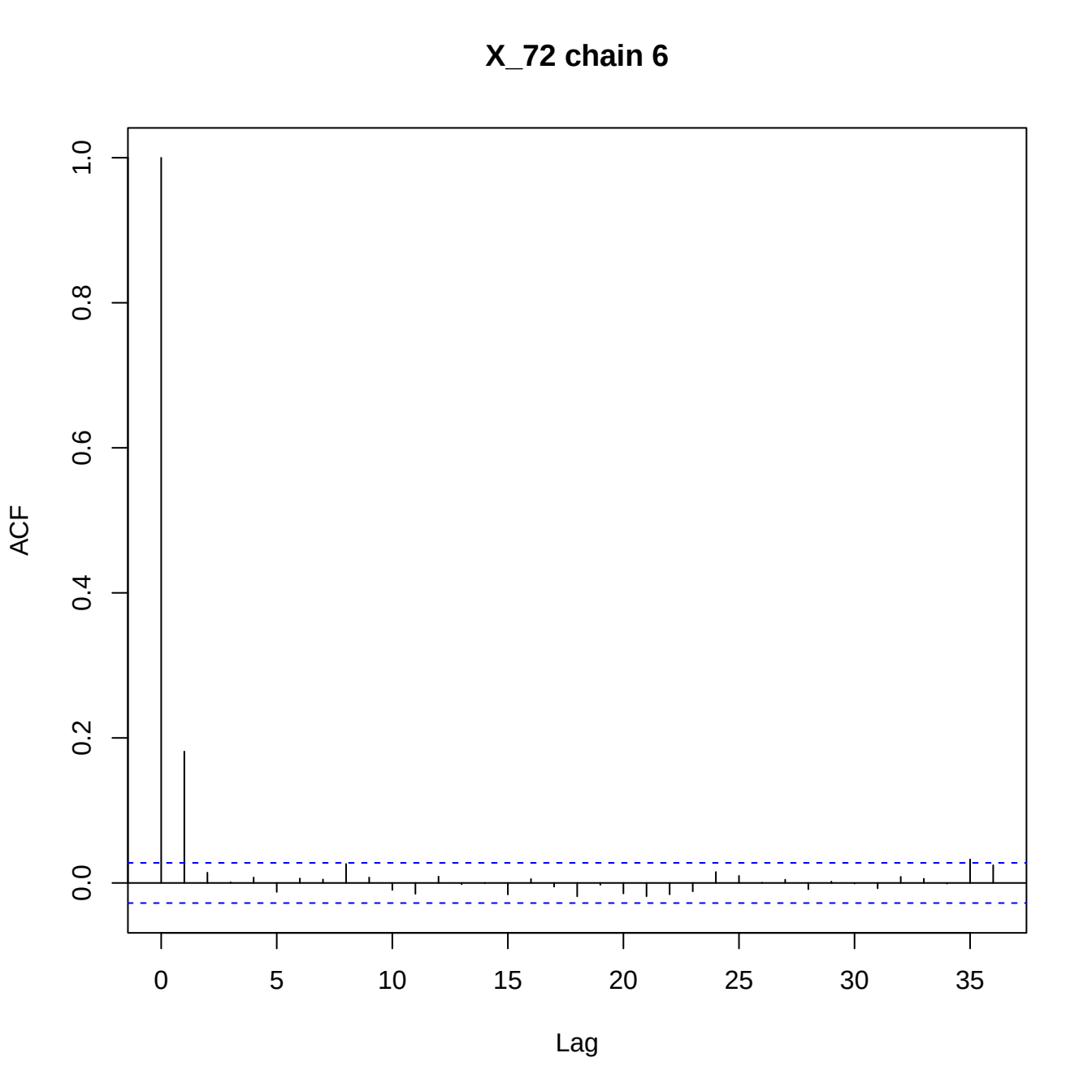
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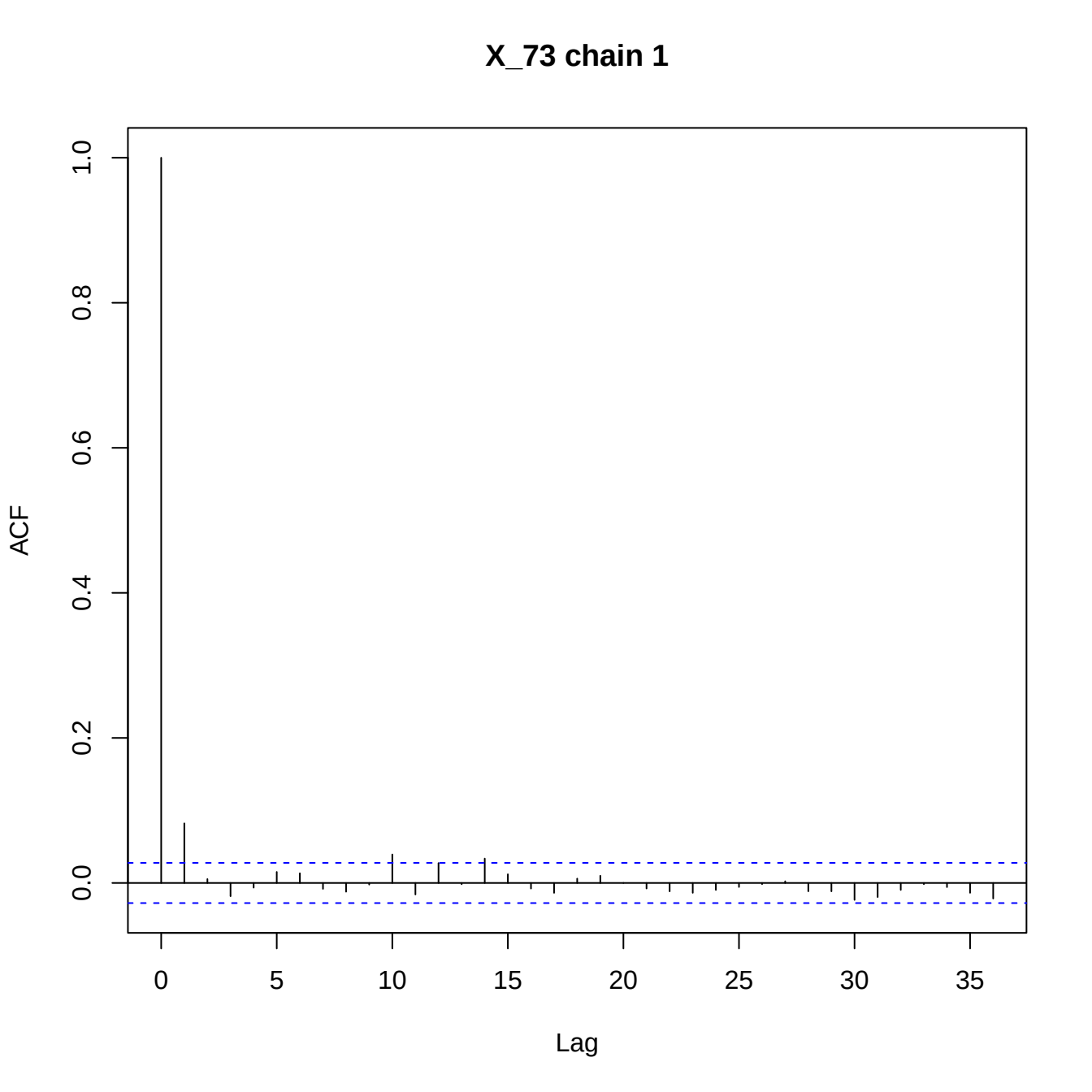
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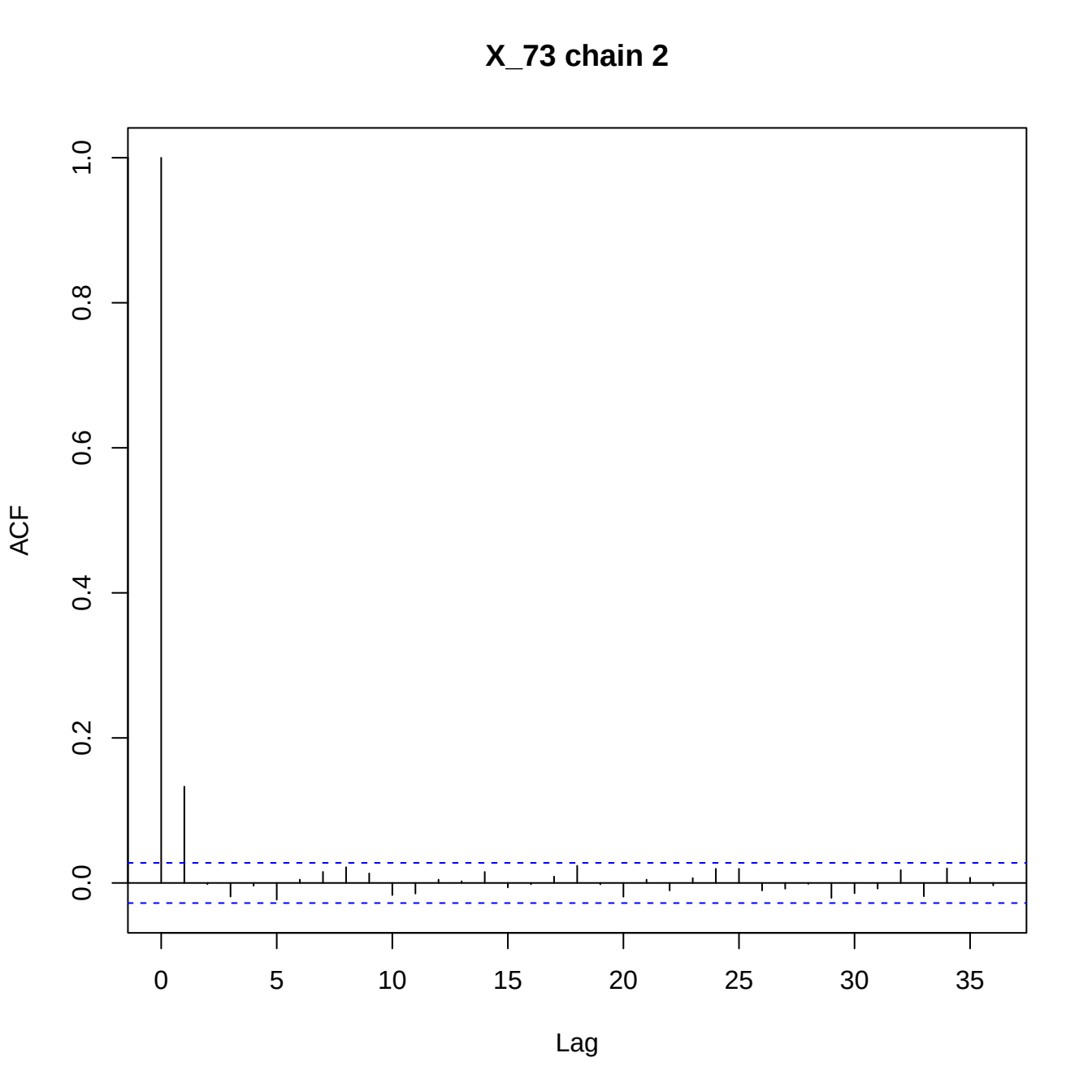
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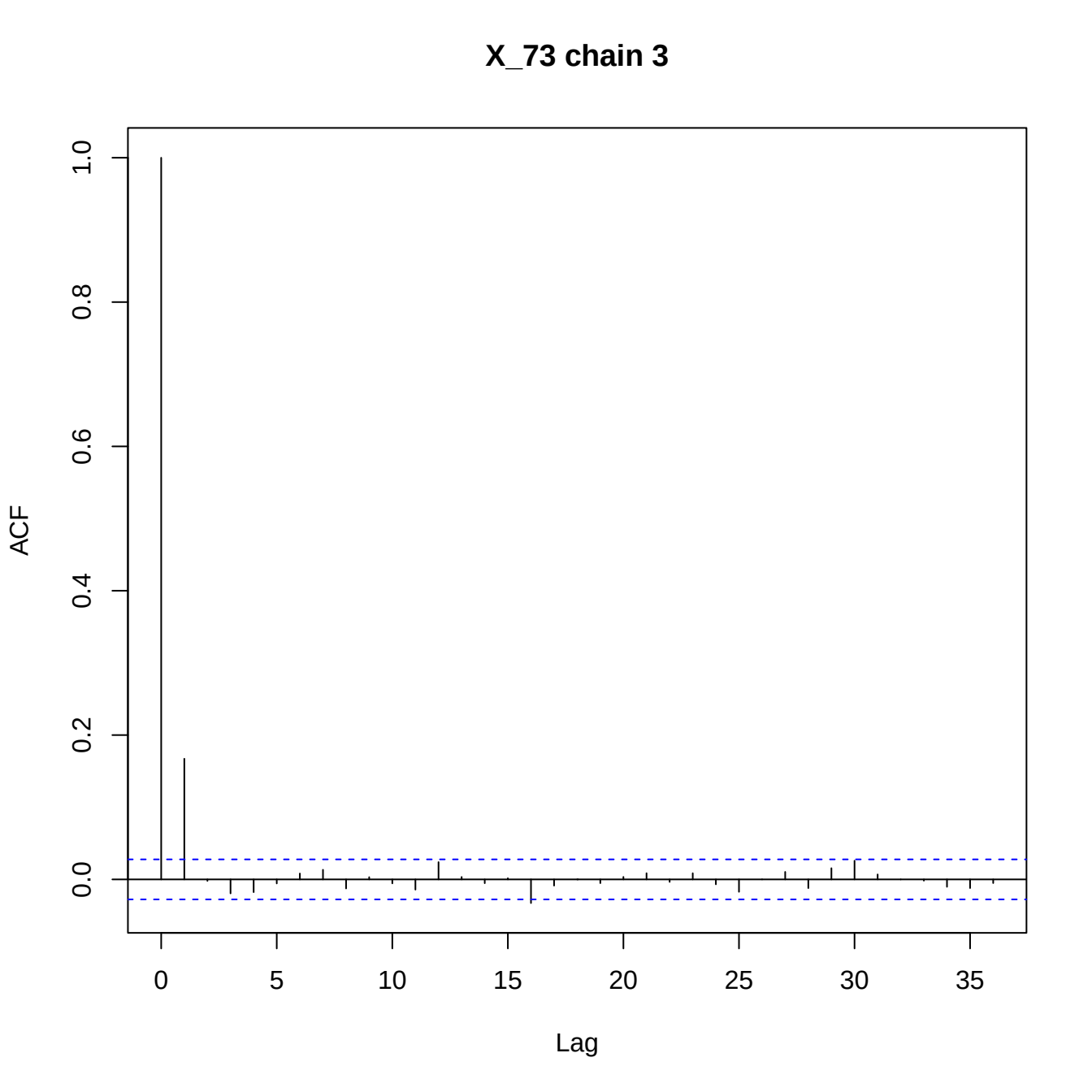
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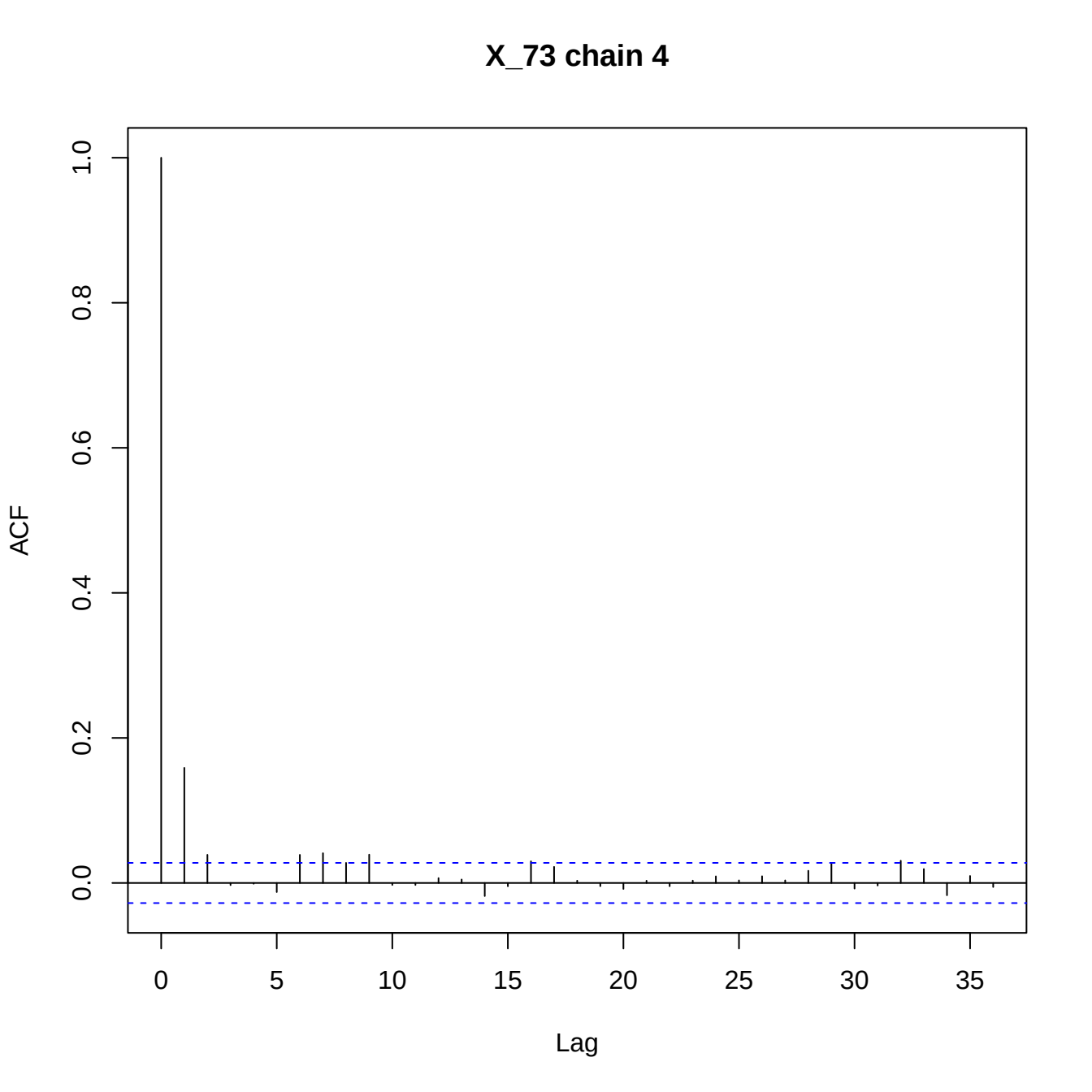
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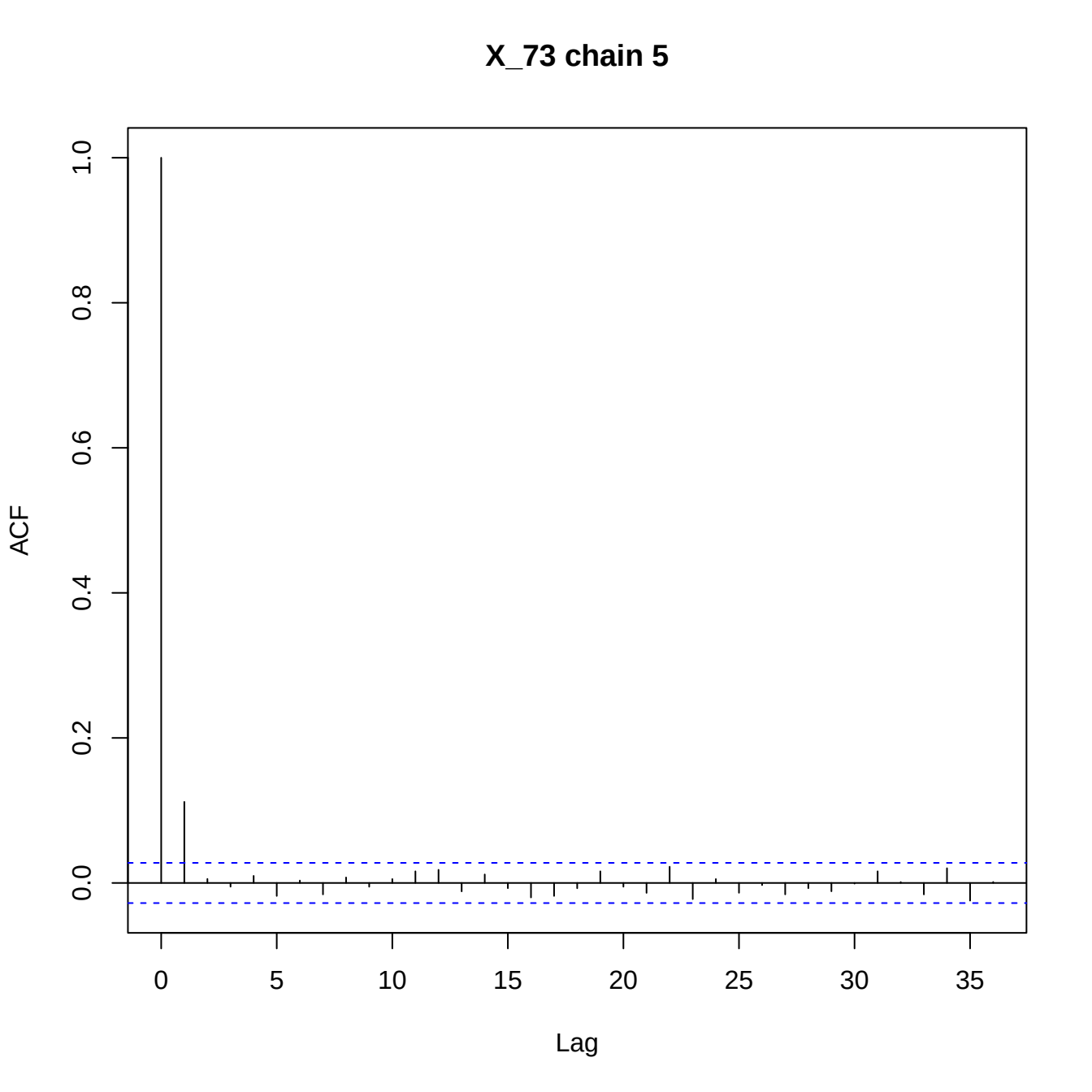
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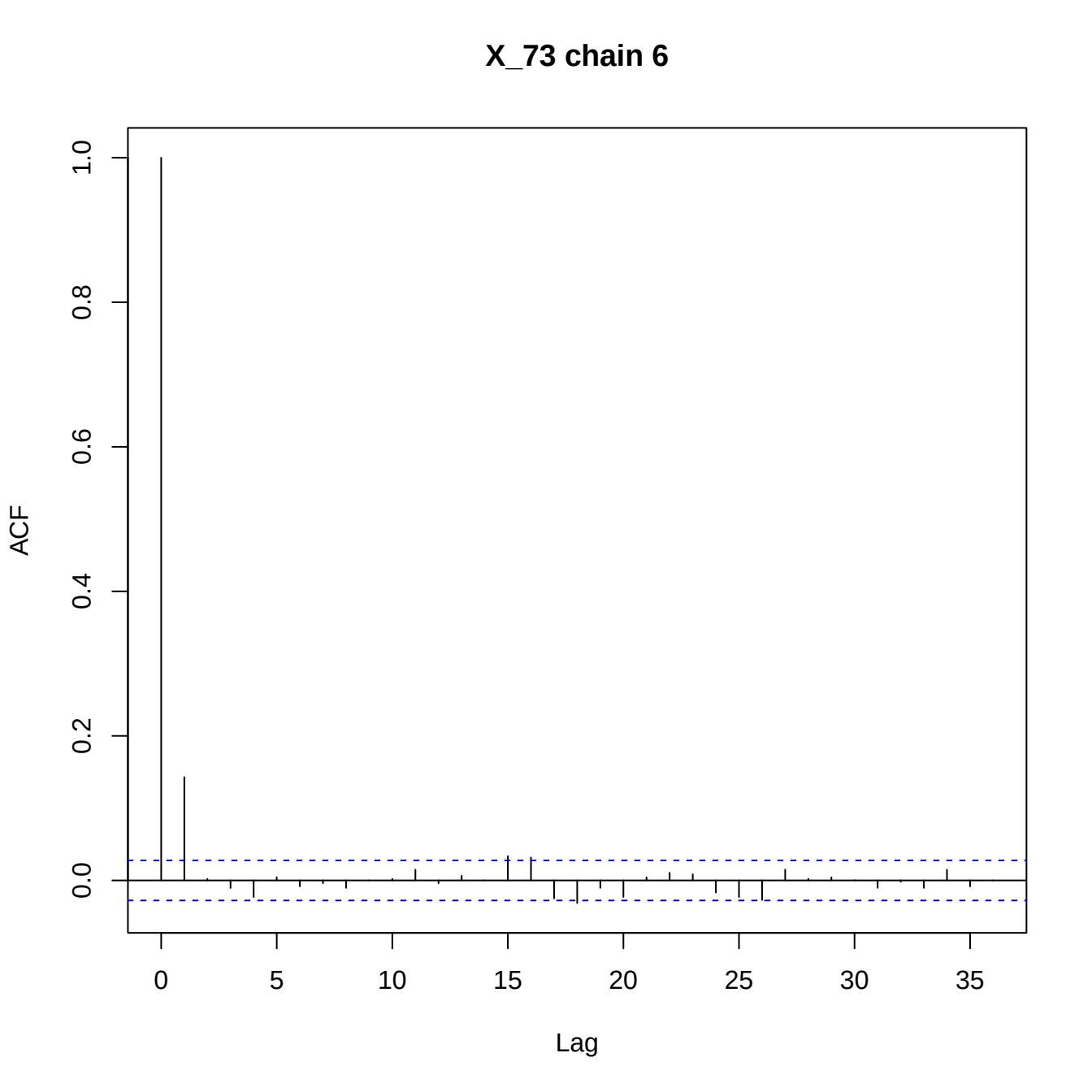
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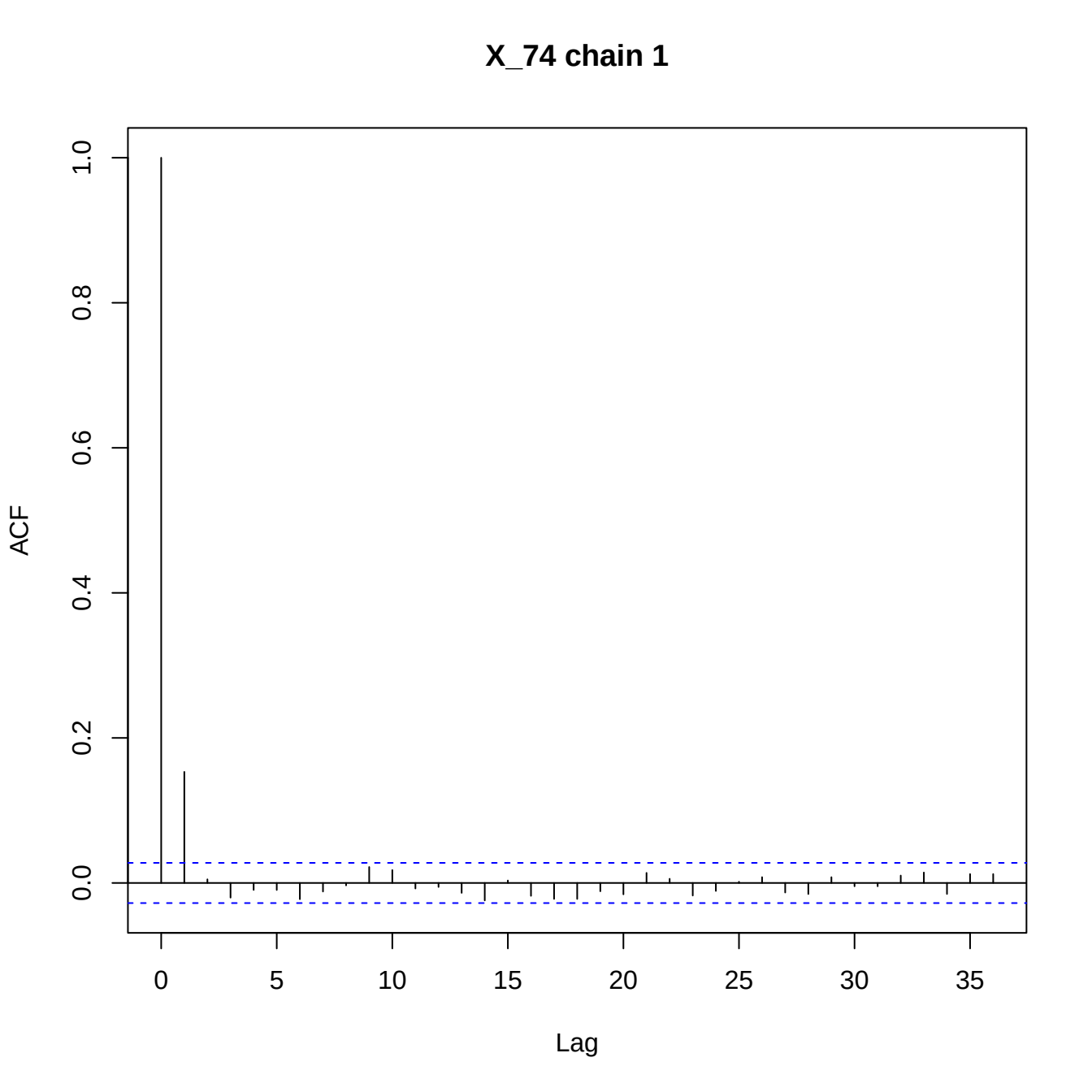
Lag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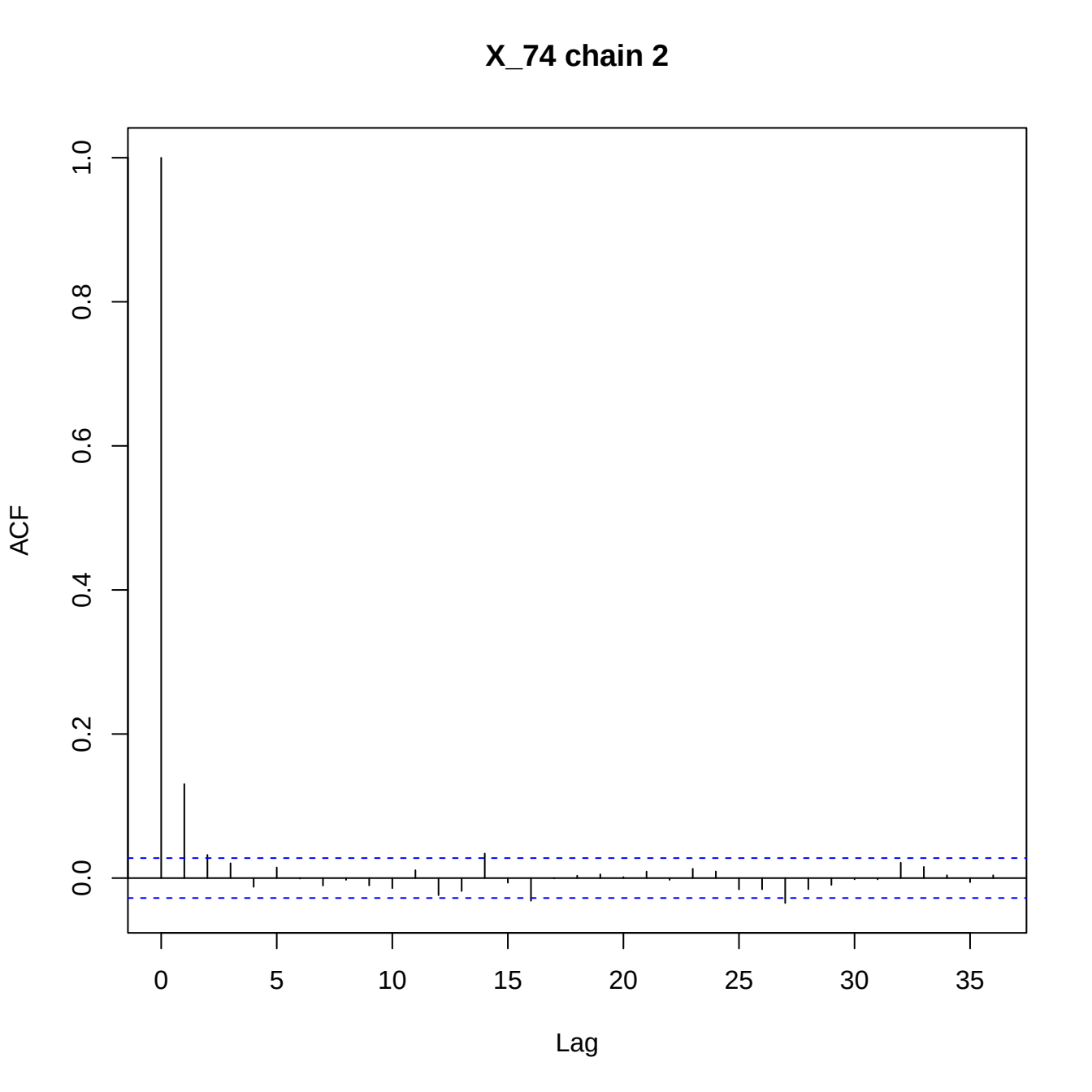
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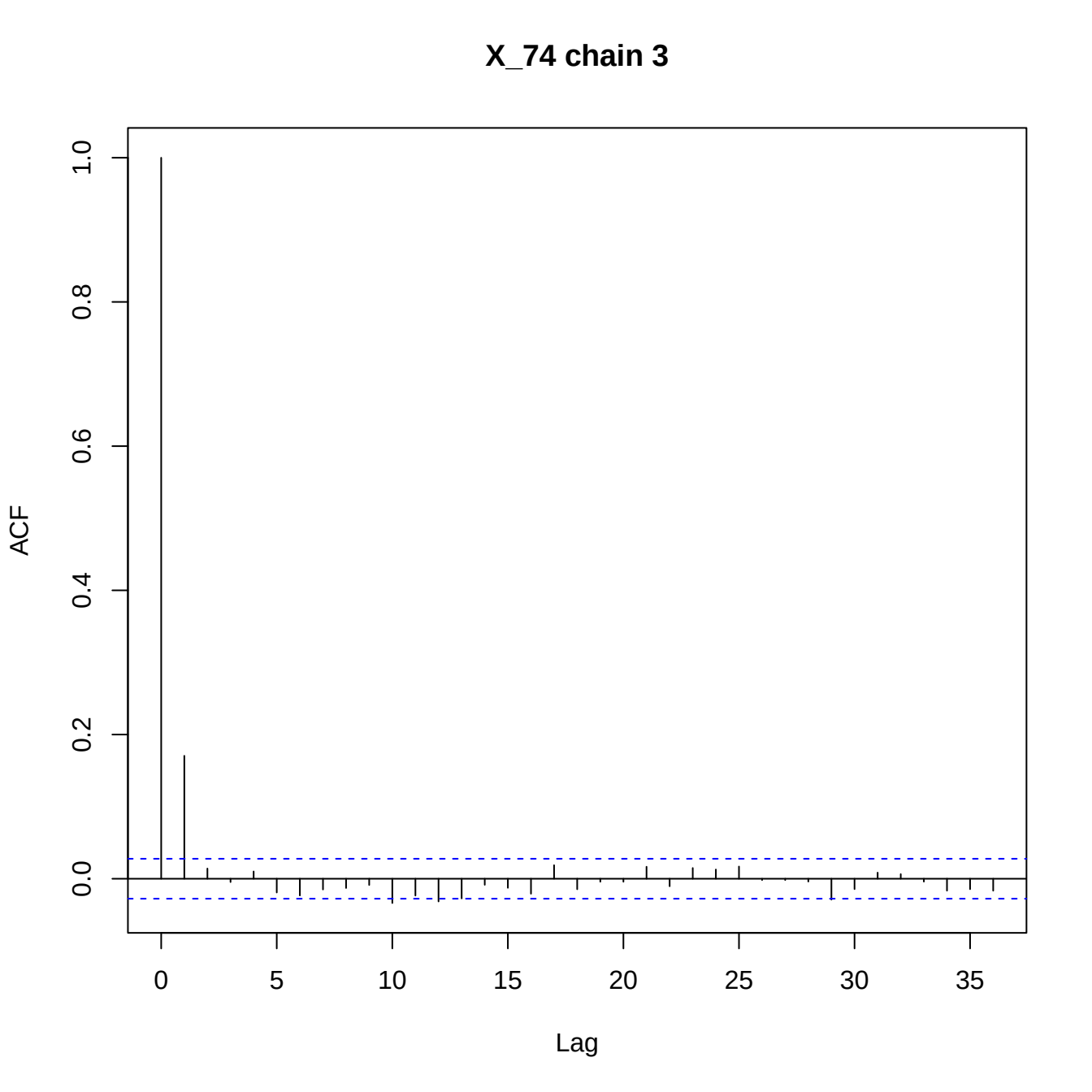
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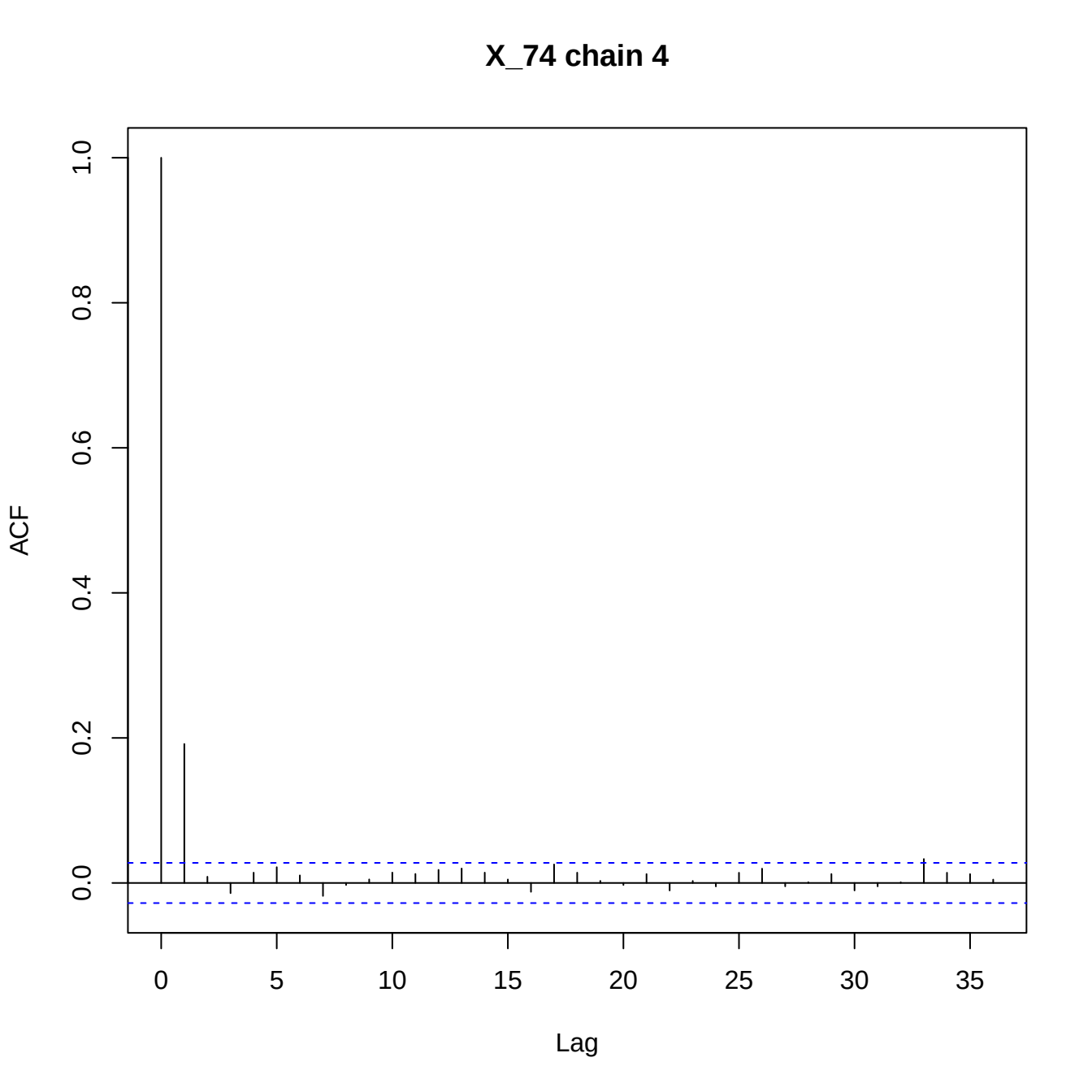
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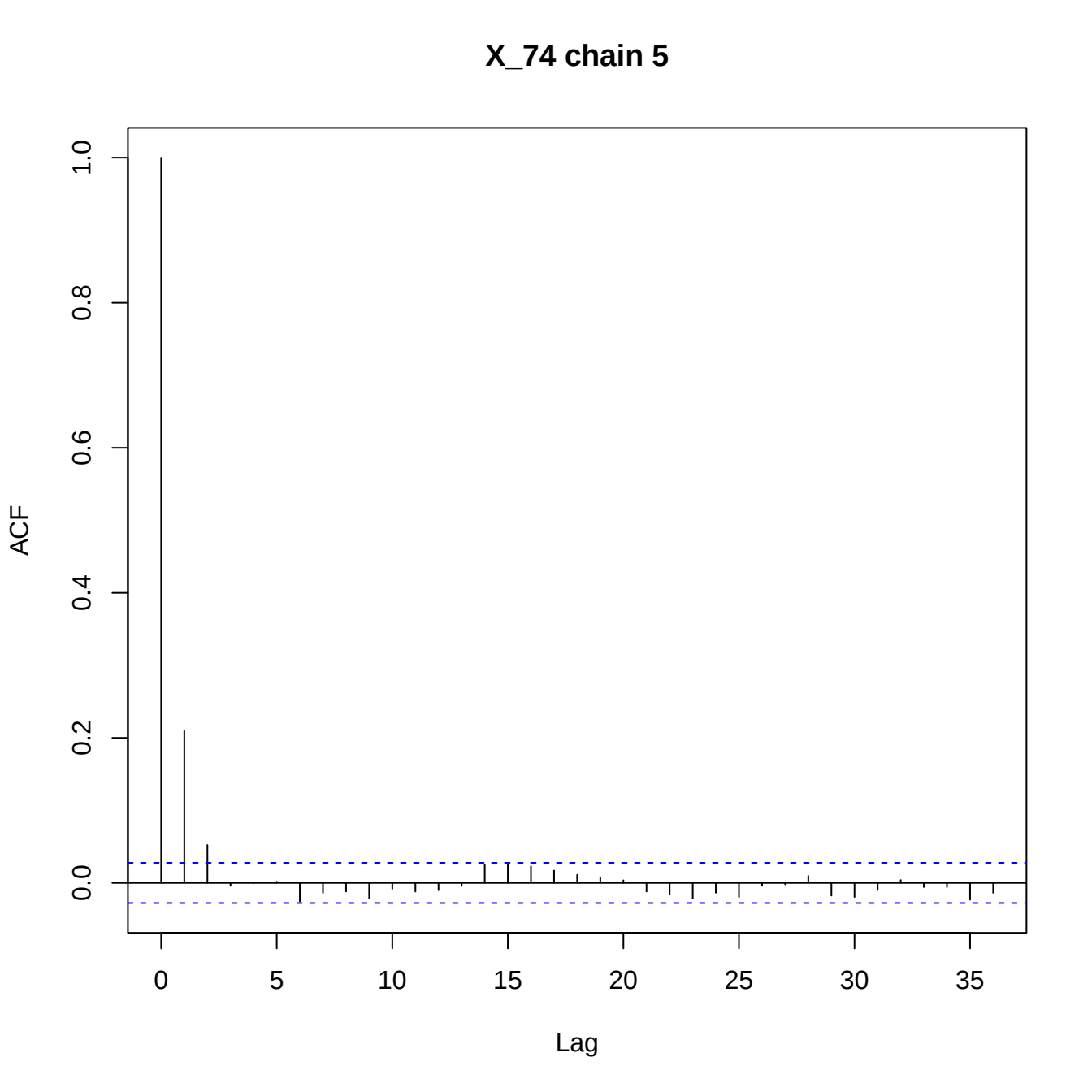
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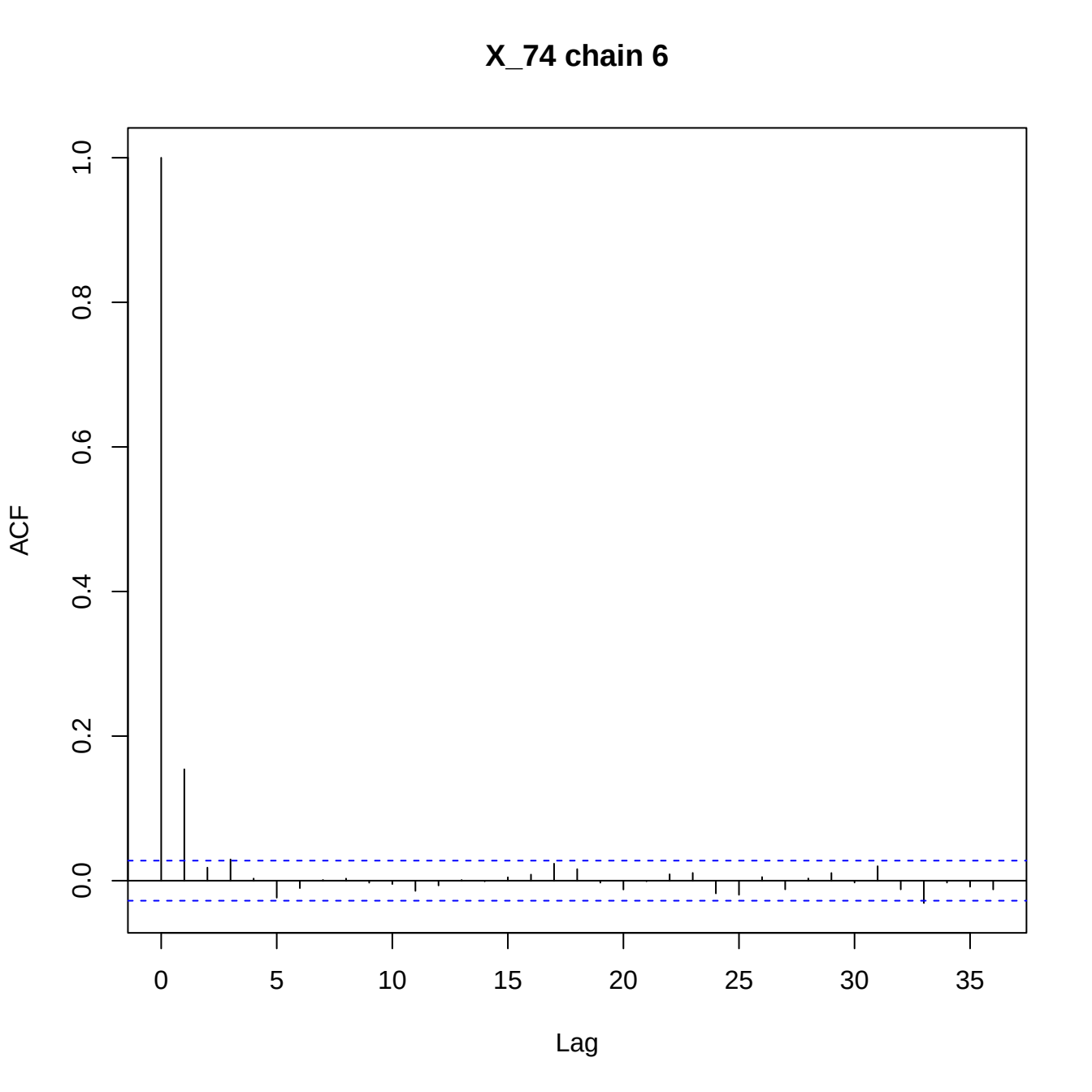
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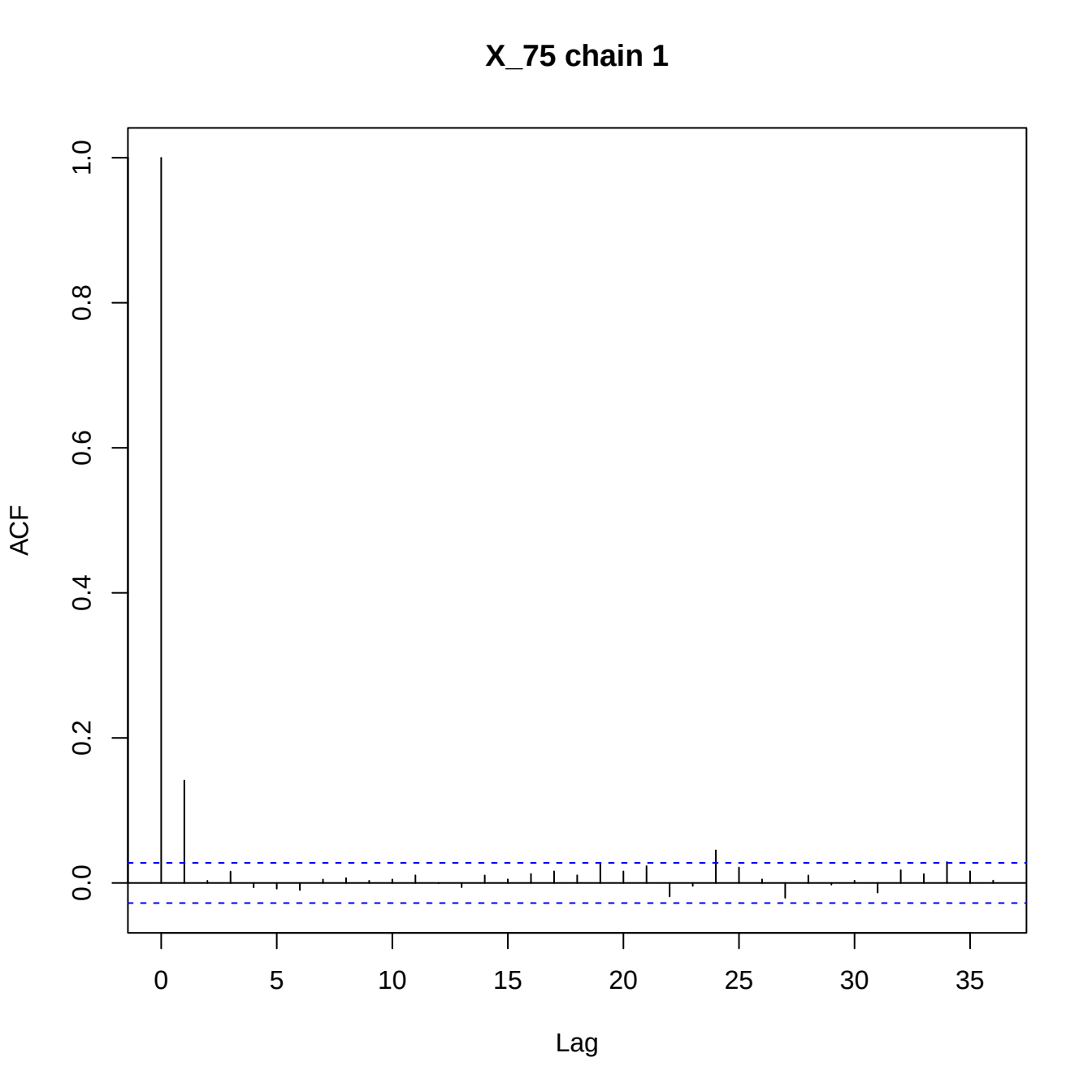
Lag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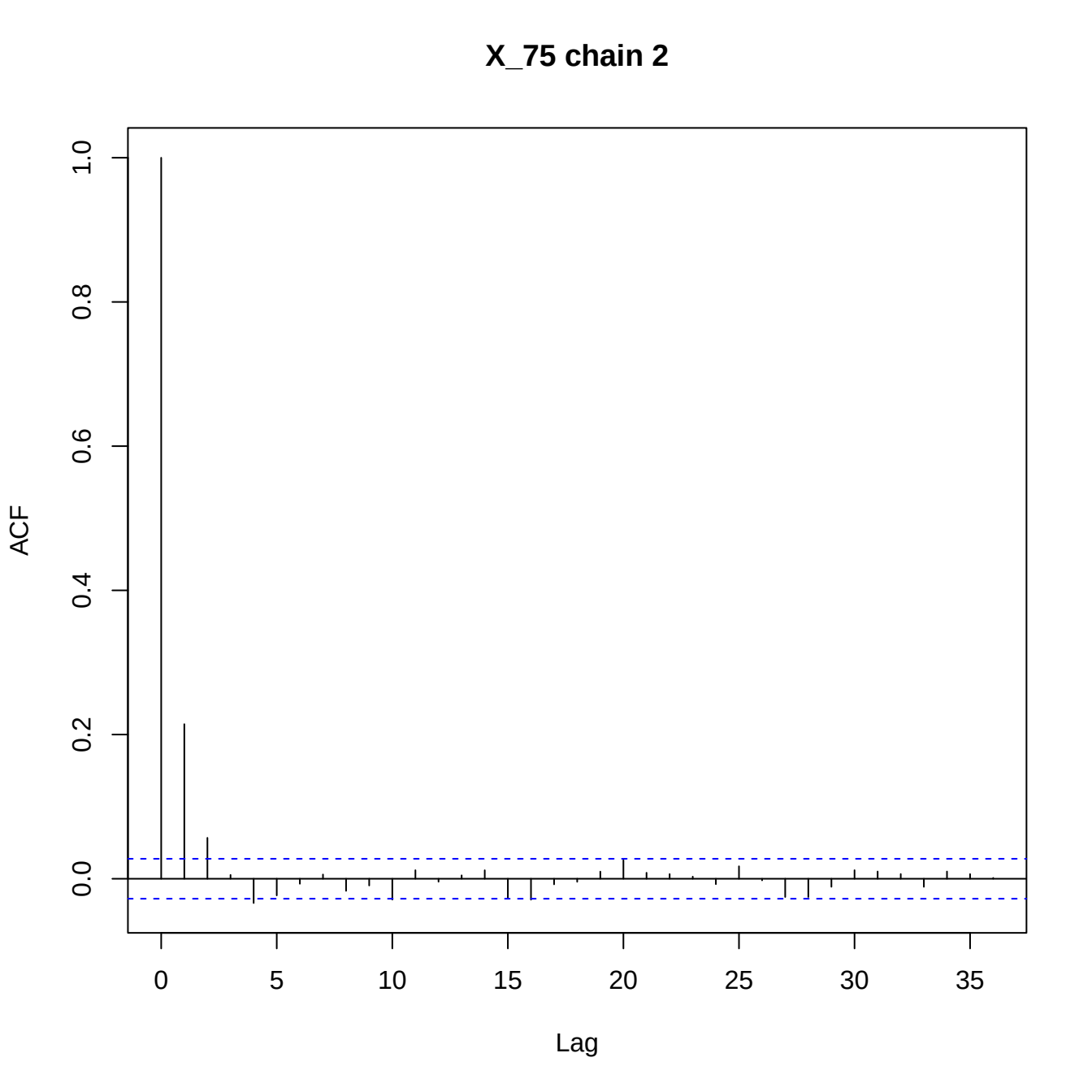
Lag


X_75 chain 2
ACF
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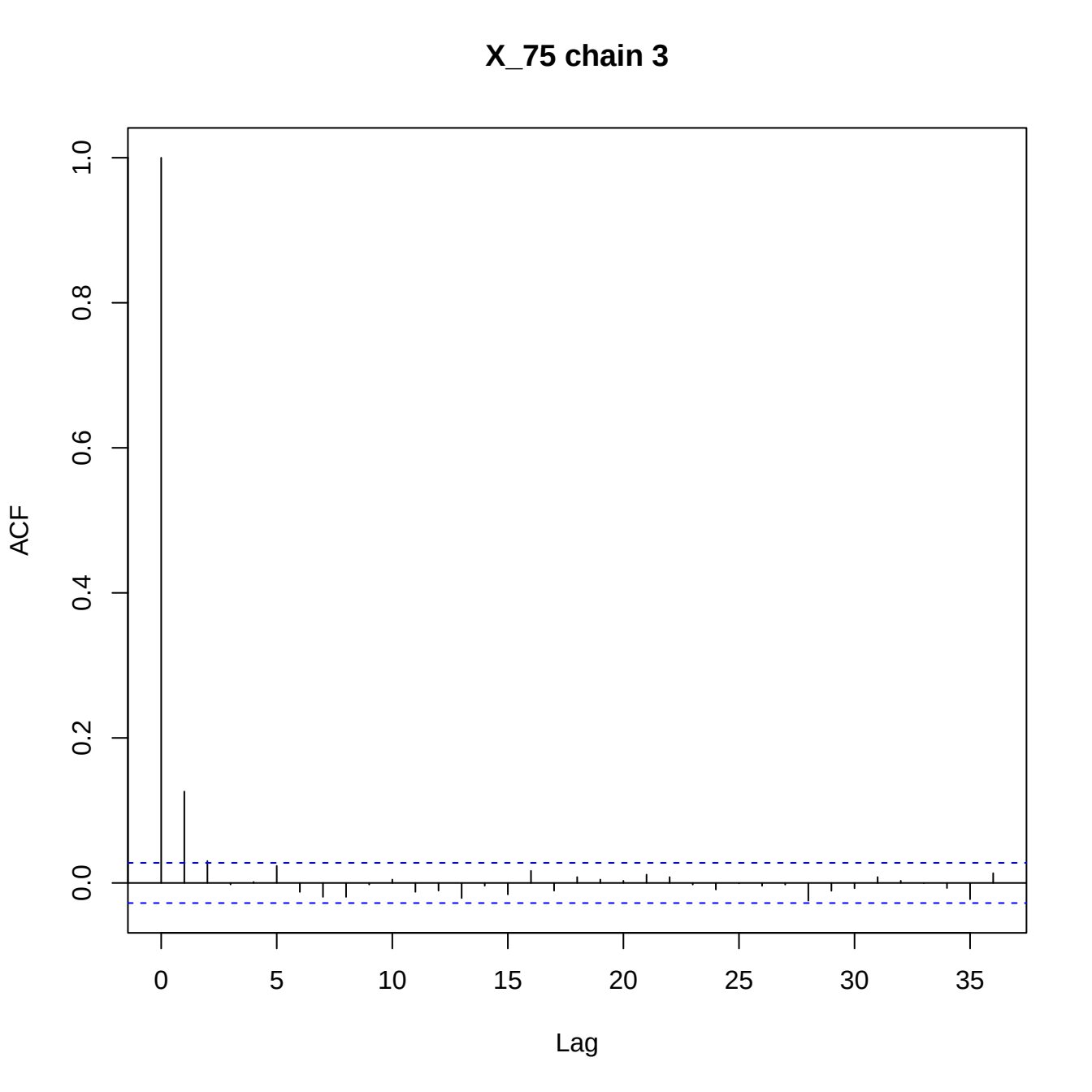
Lag


X_75 chain 3
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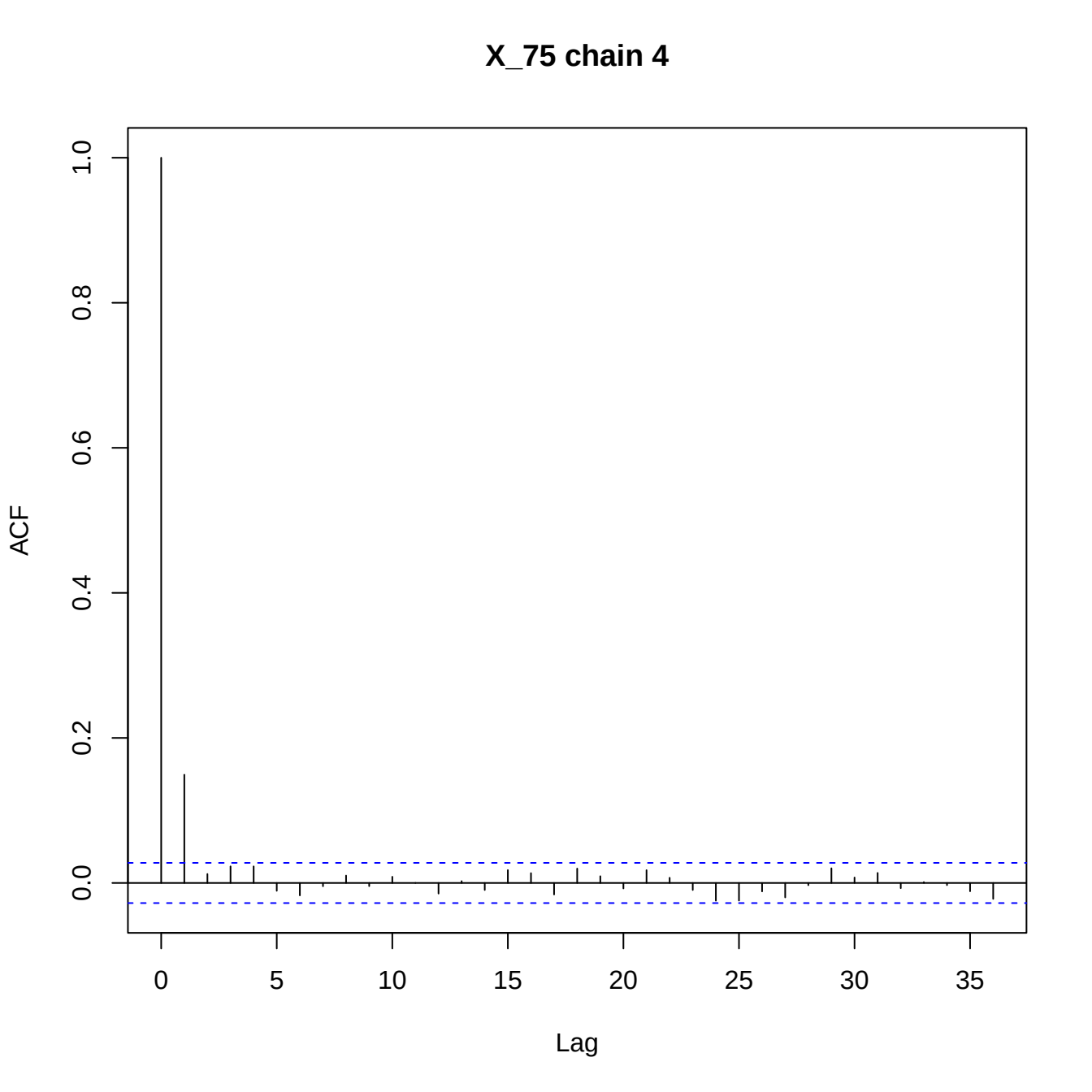
Lag


X_75 chain 4
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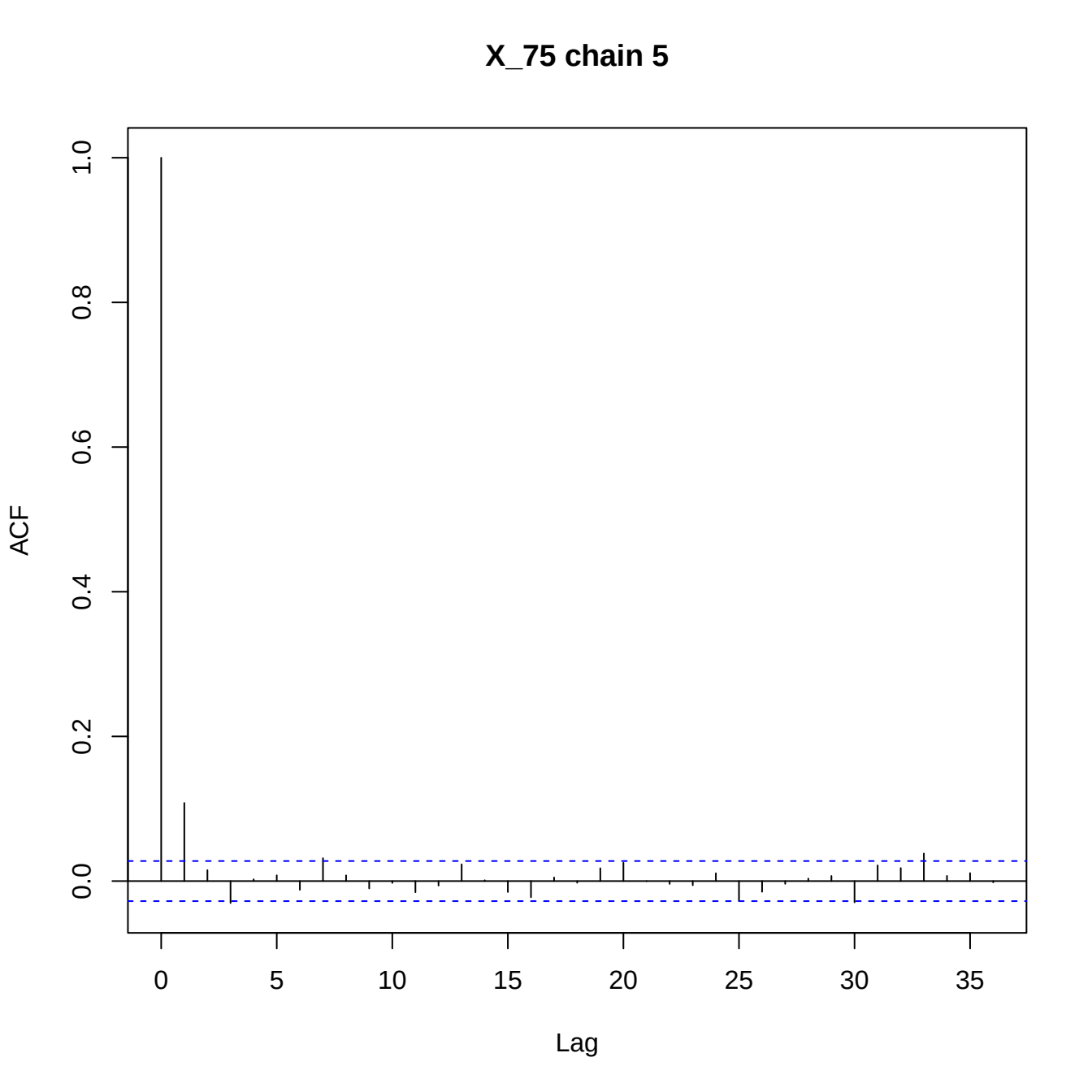
Lag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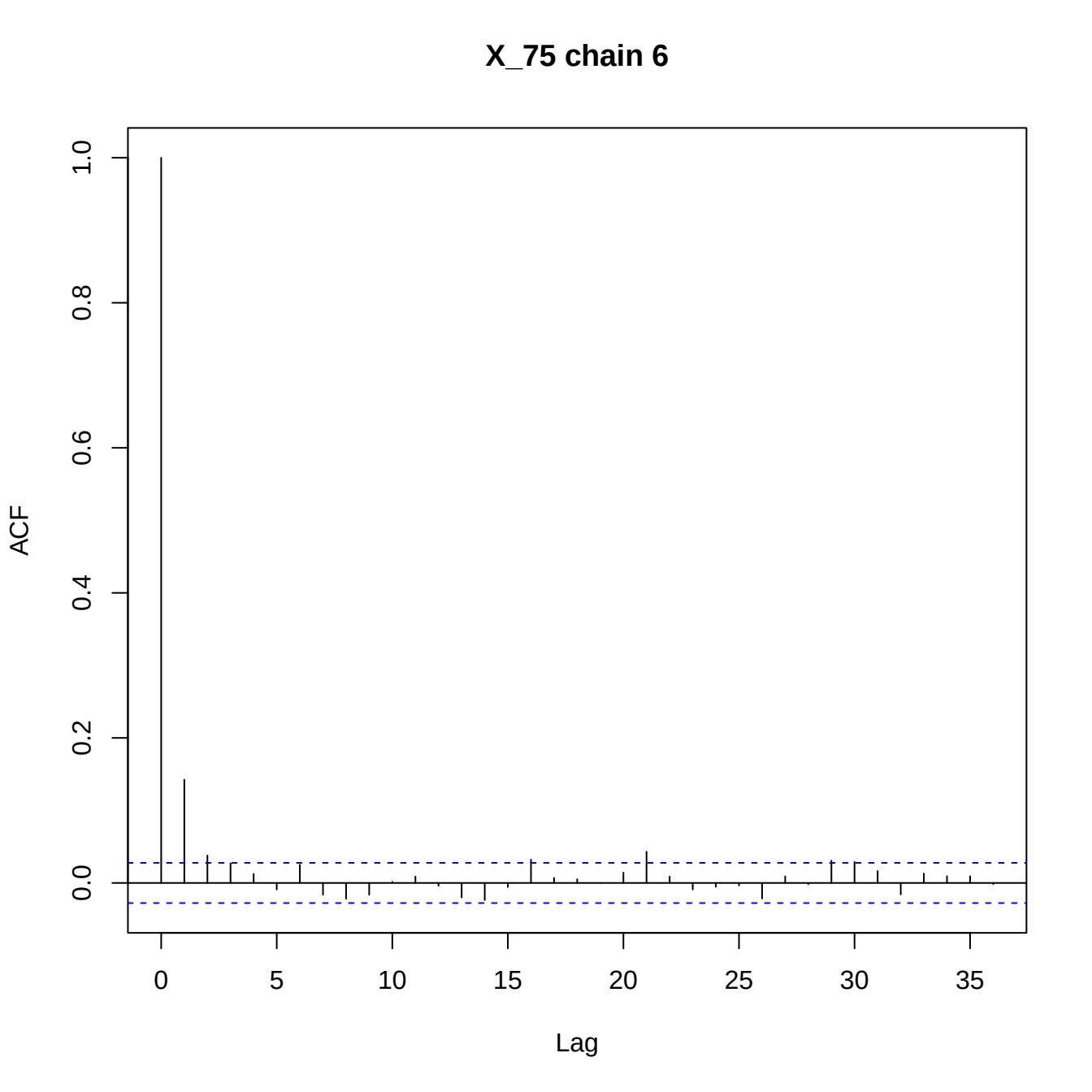
Lag


X_75 chain 6
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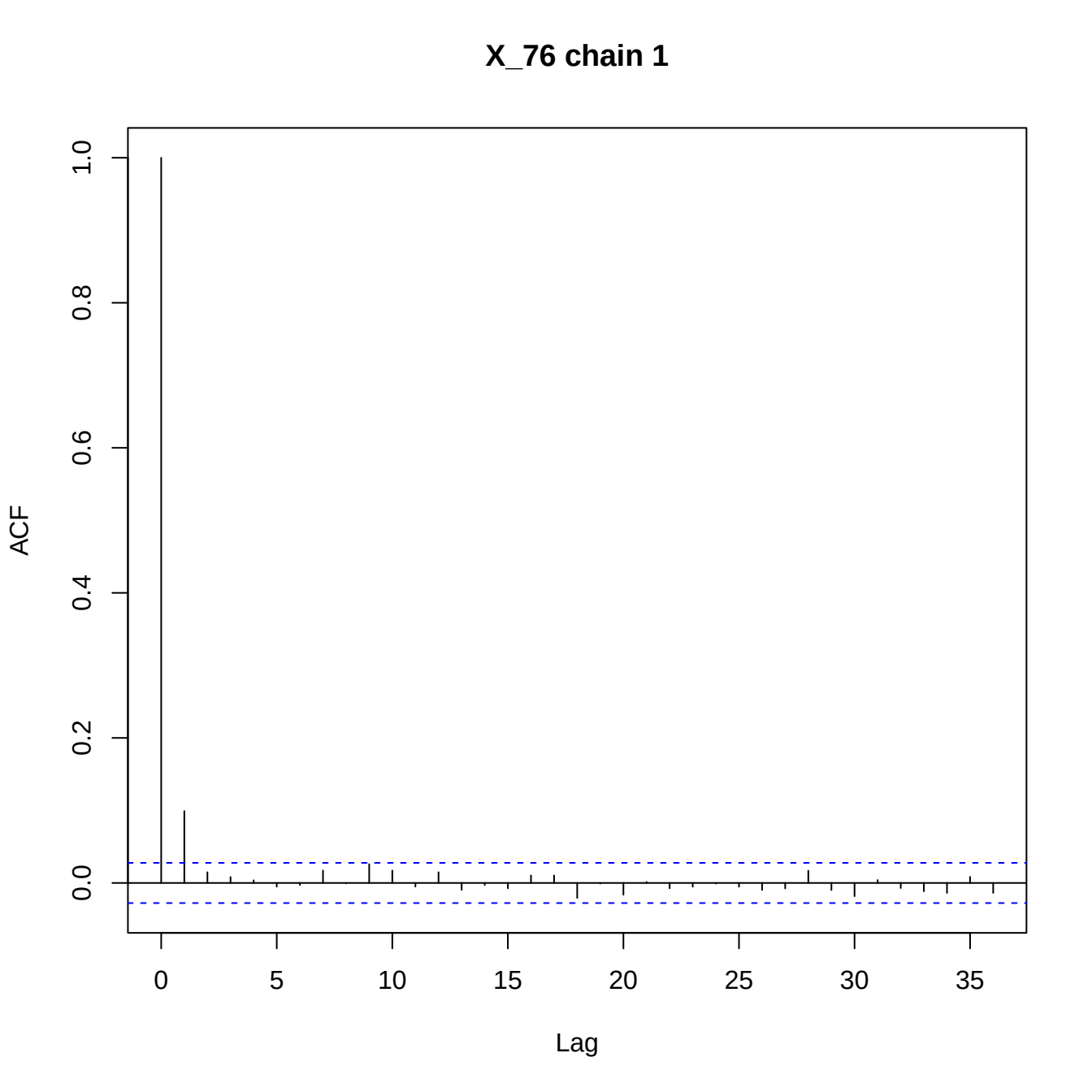
Lag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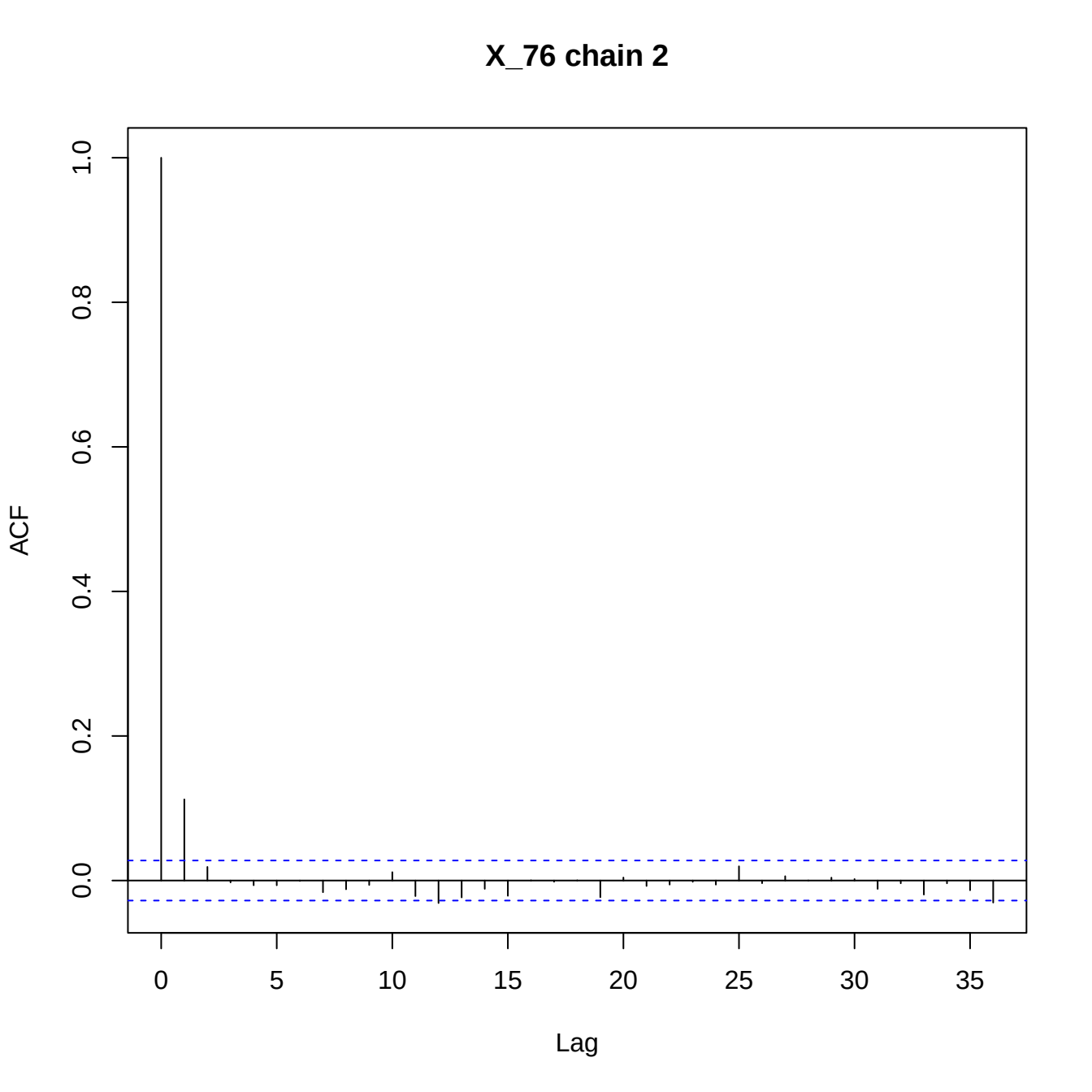
Lag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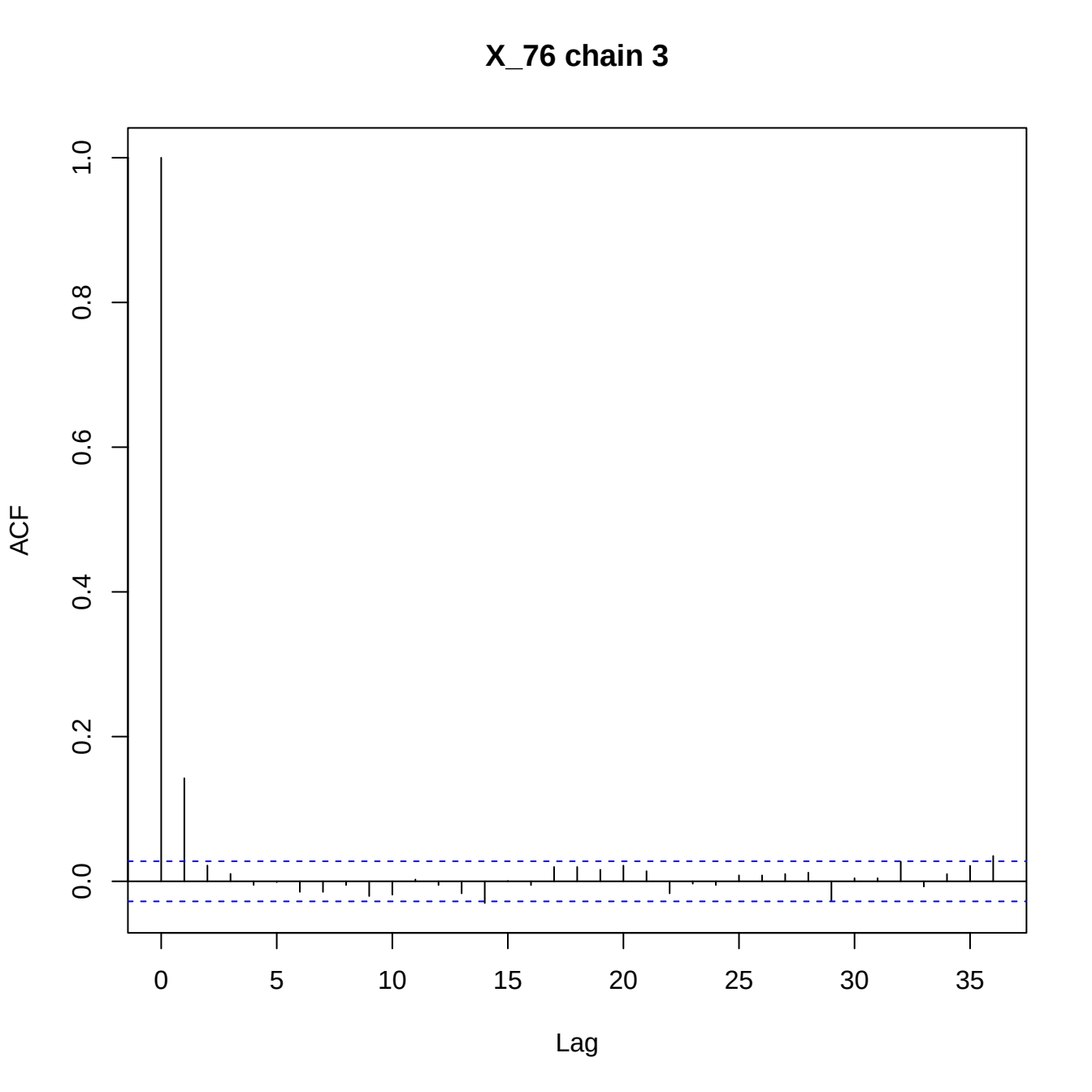
Lag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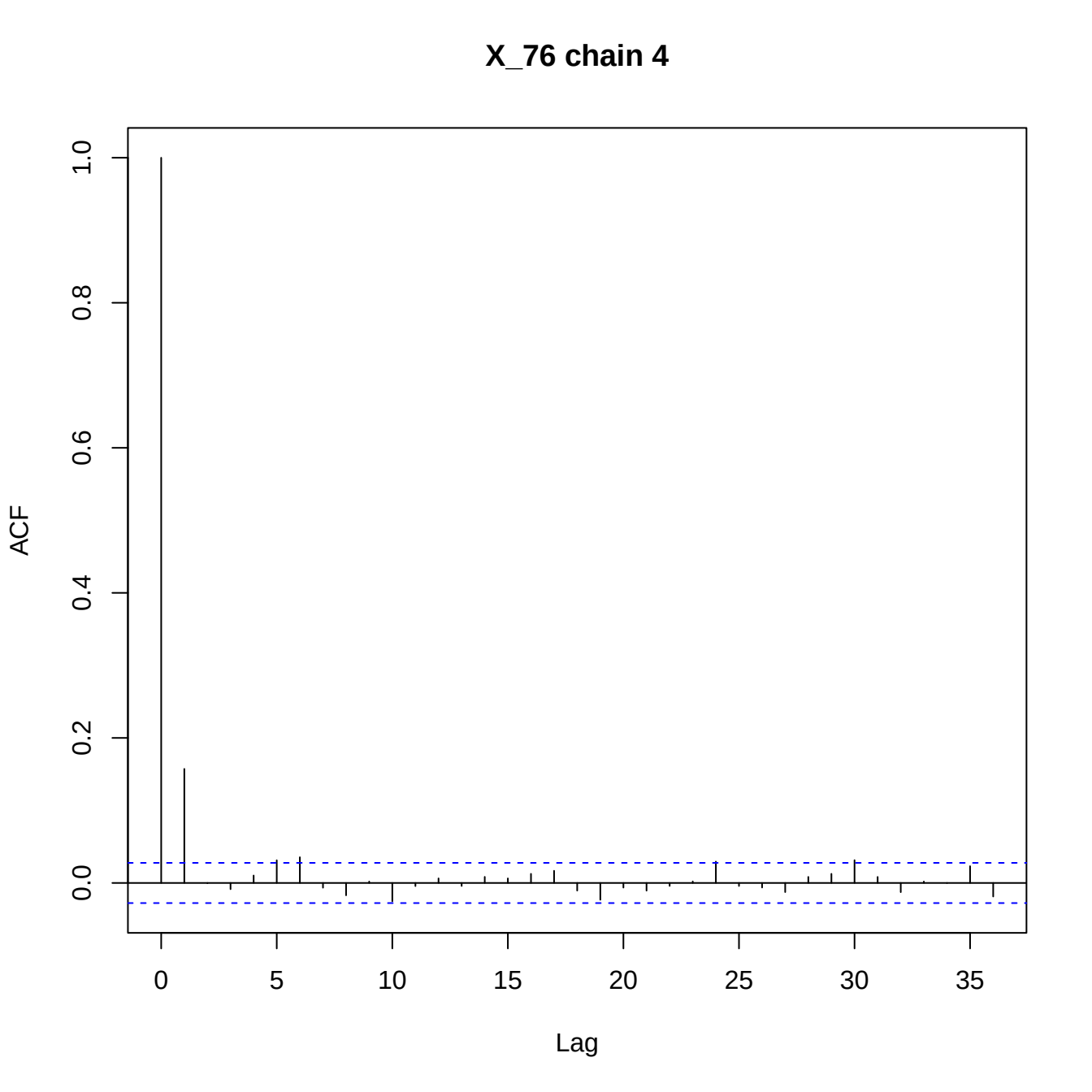
X_76 chain 4
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0.2
0.0
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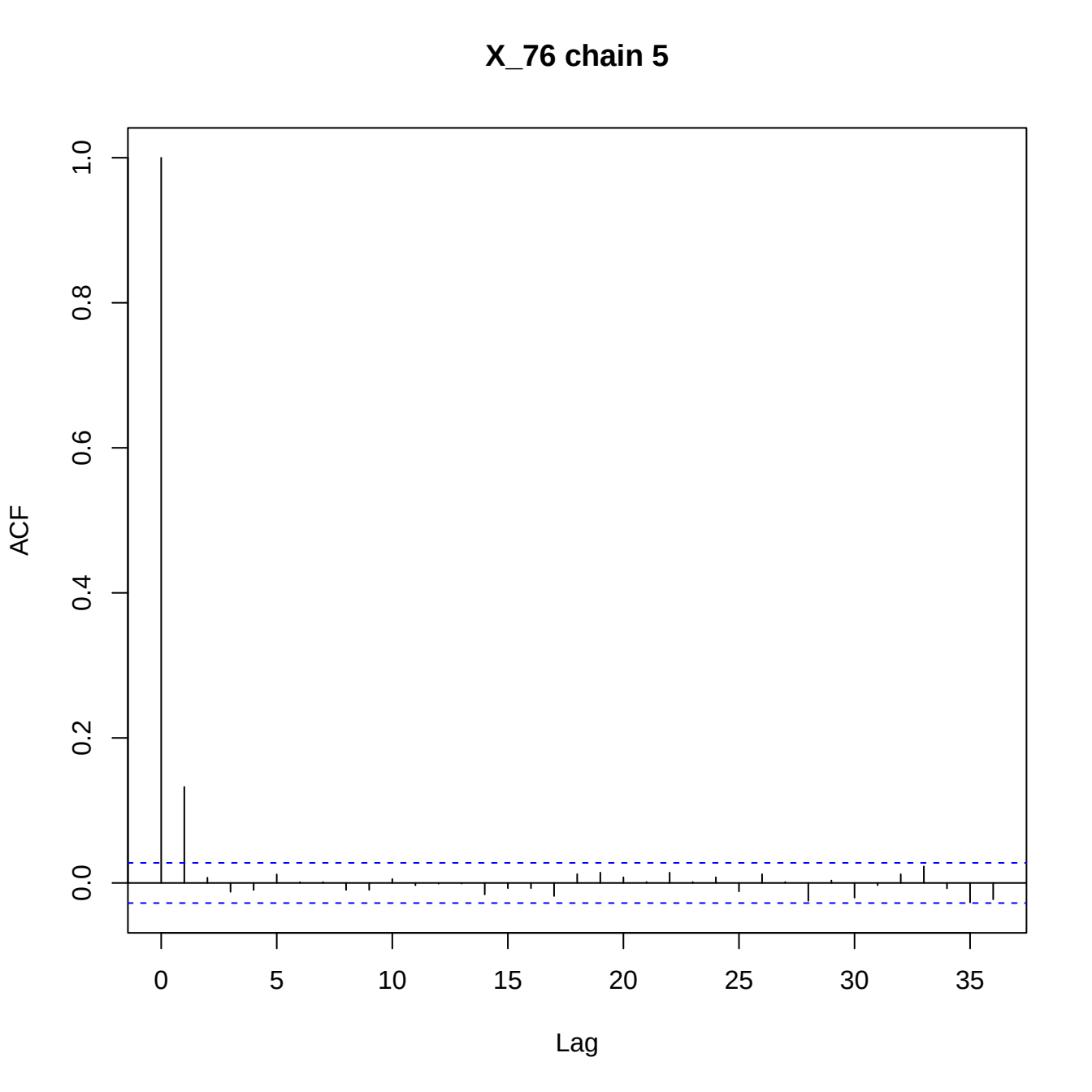
Lag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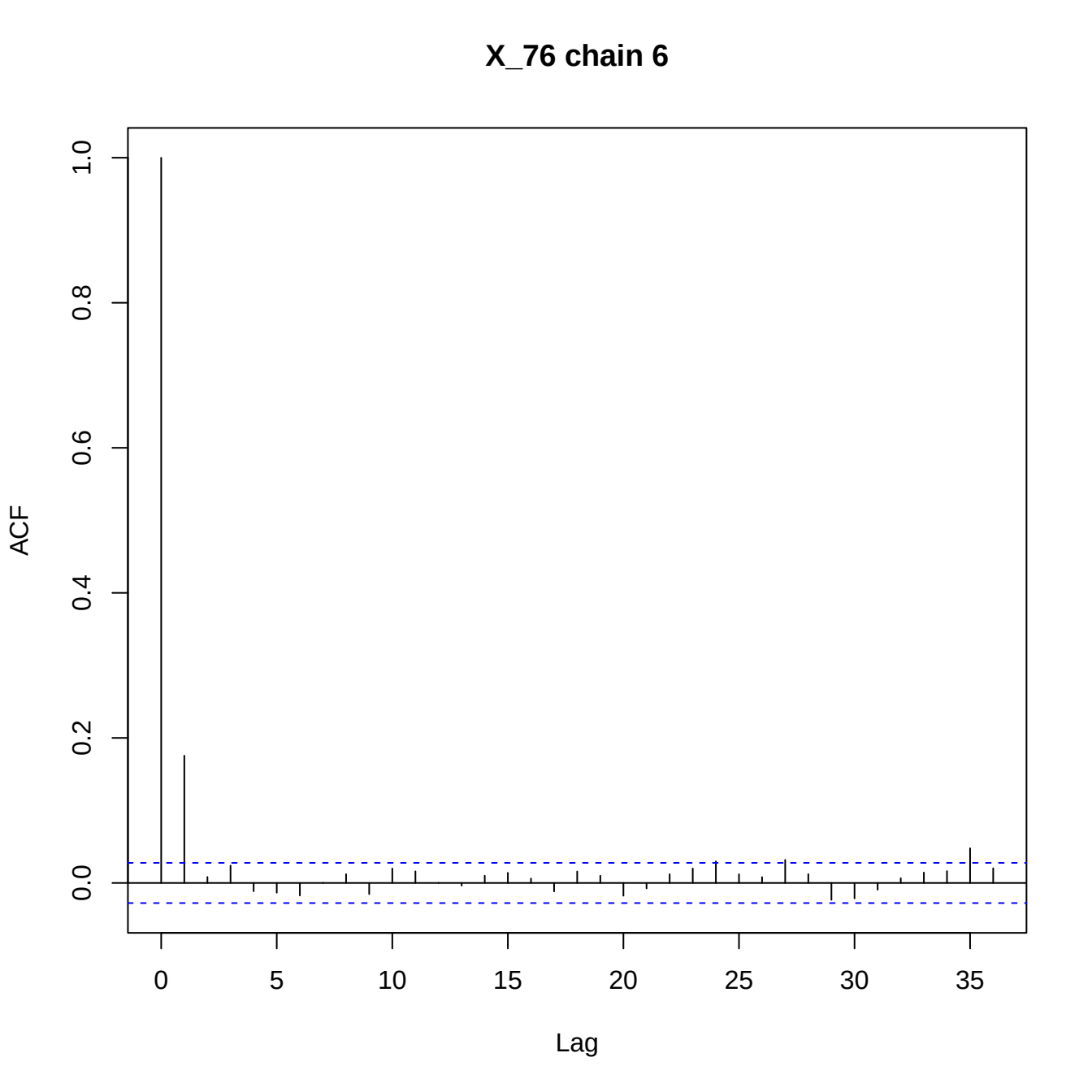
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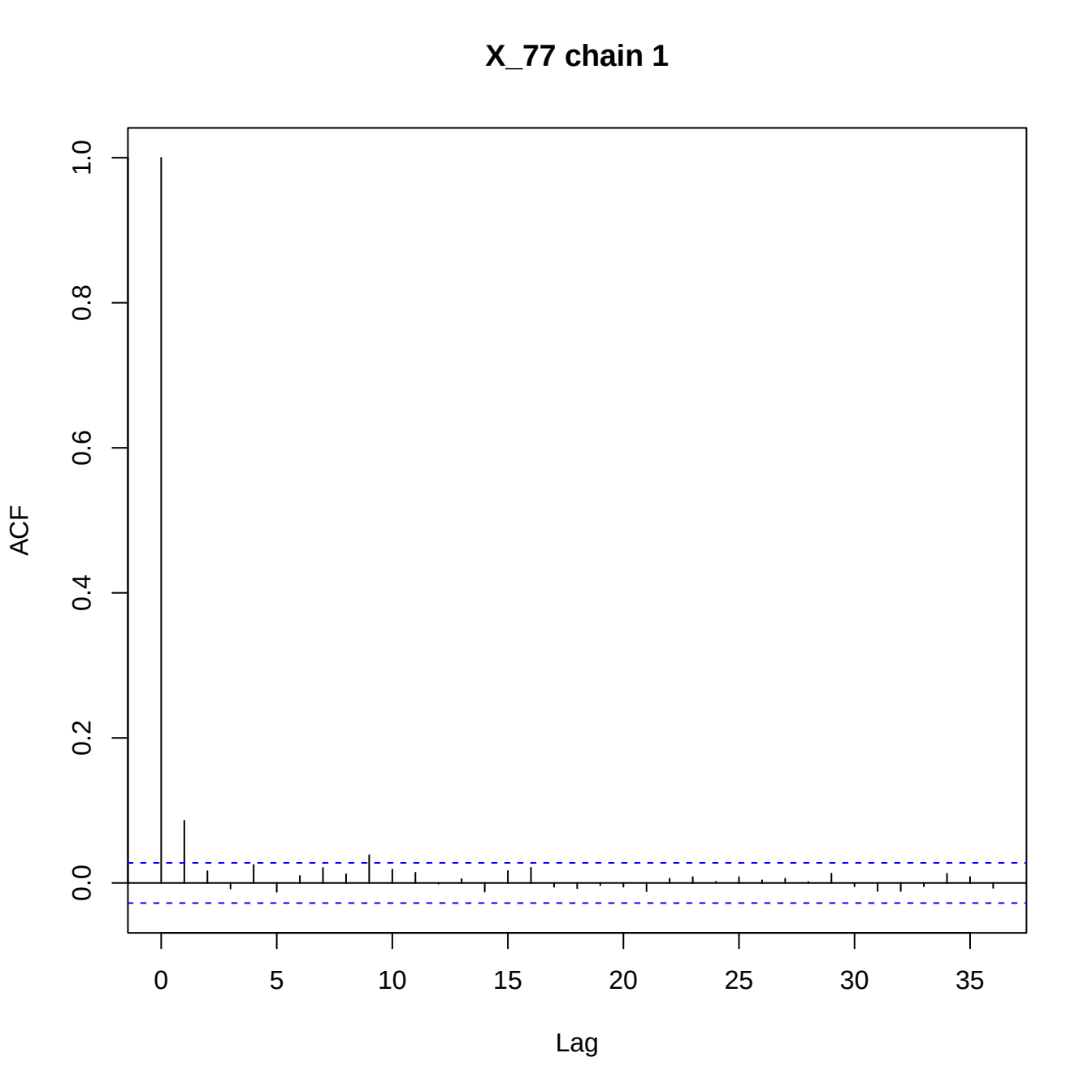
Lag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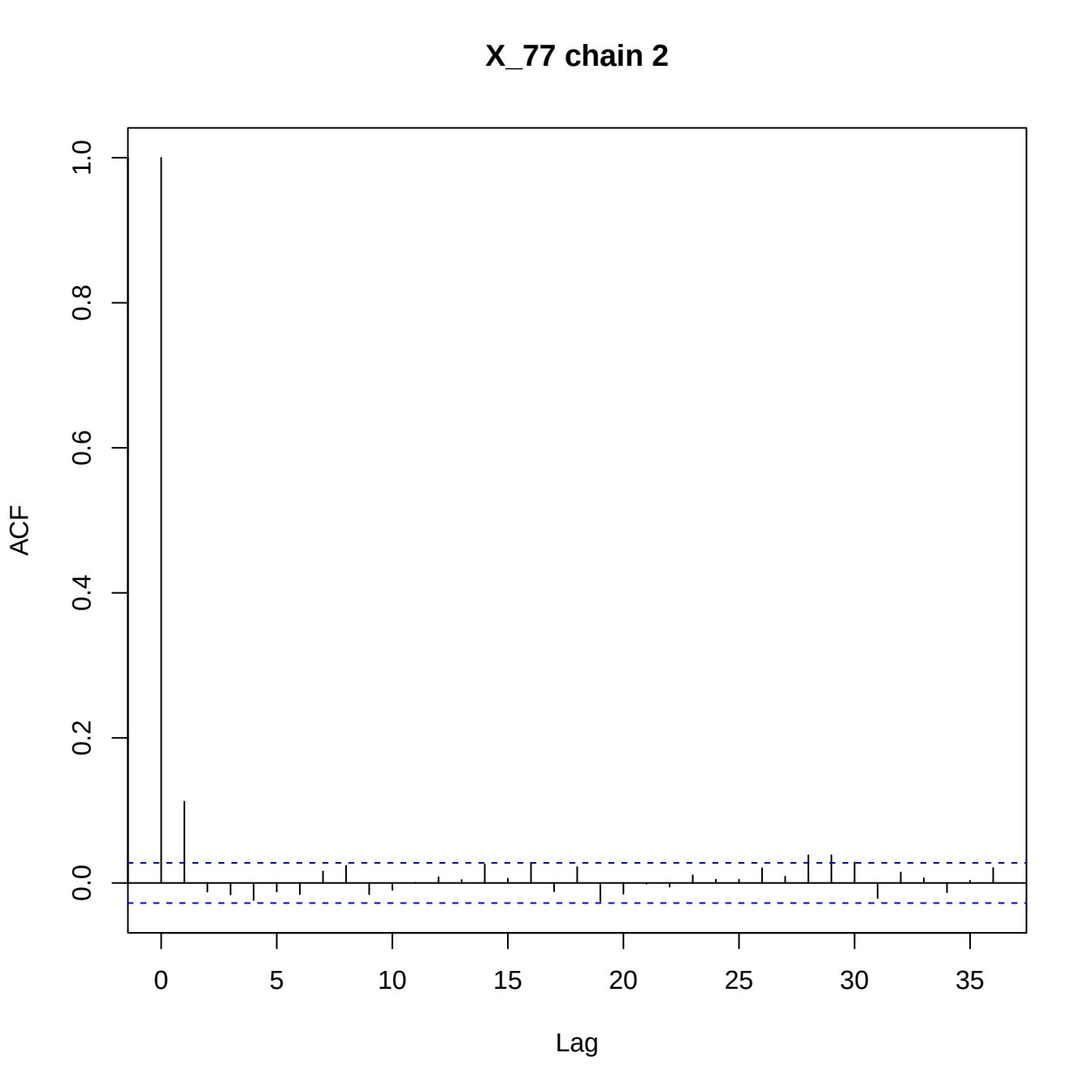
Lag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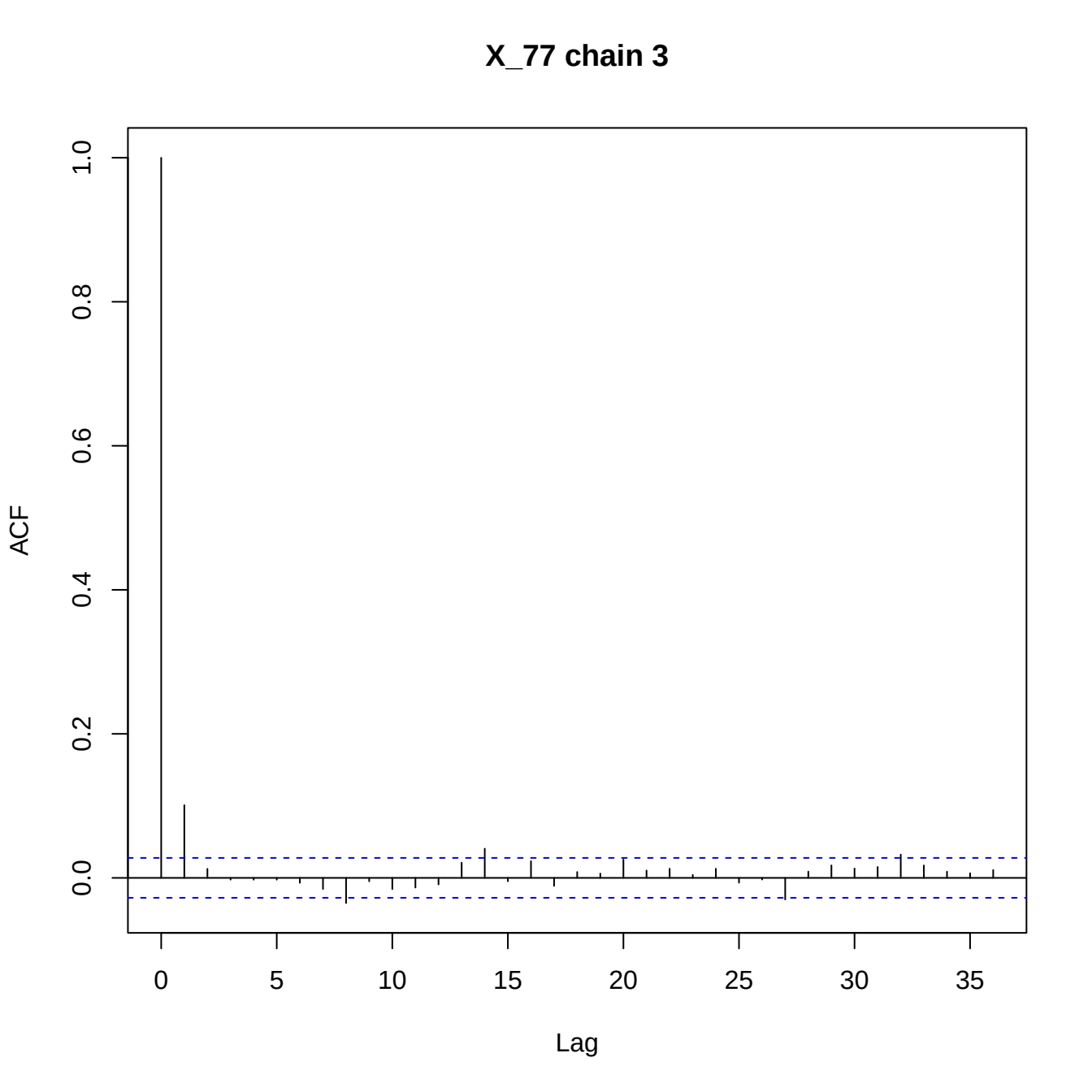
Lag


X_77 chain 3
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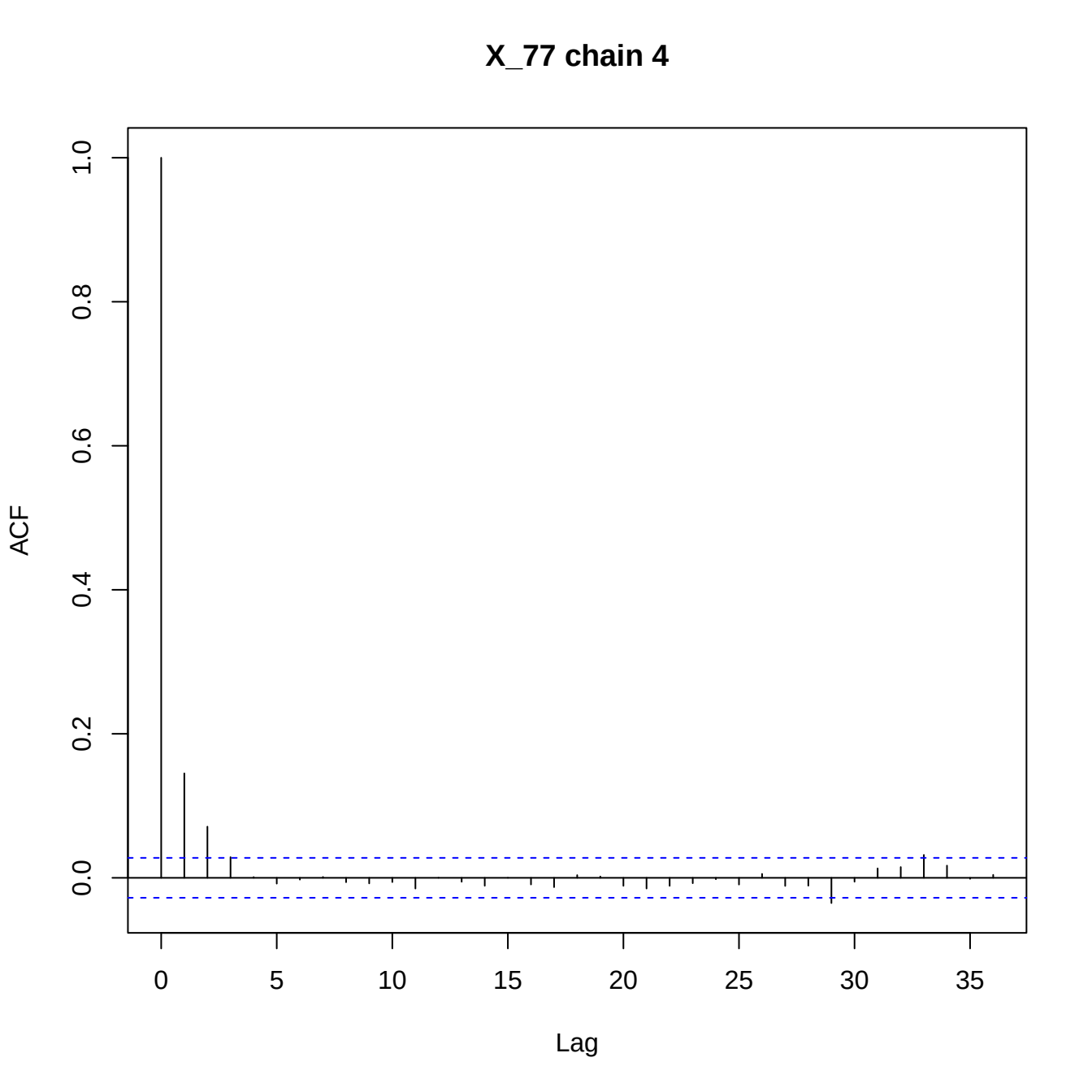
Lag


X_77 chain 4
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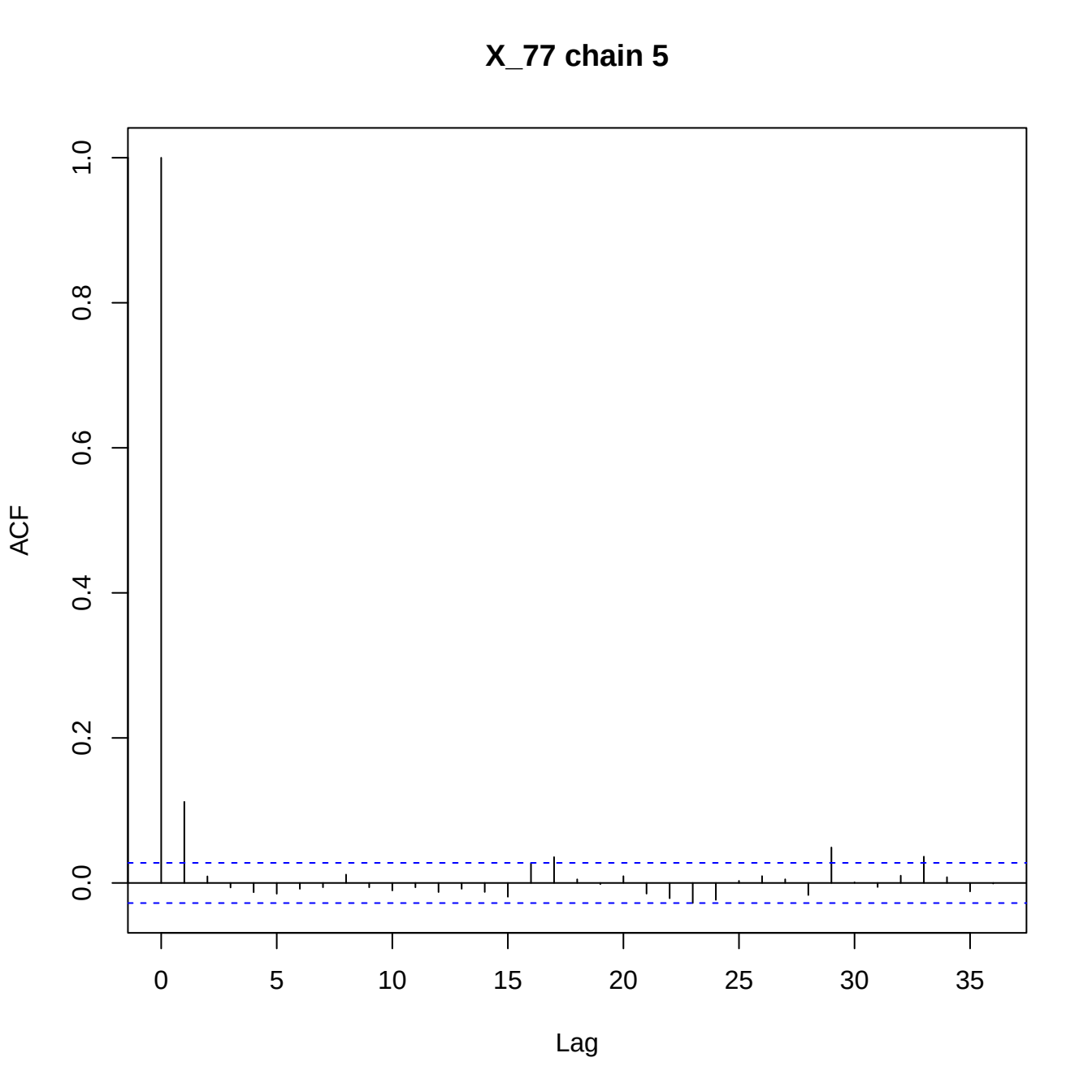
Lag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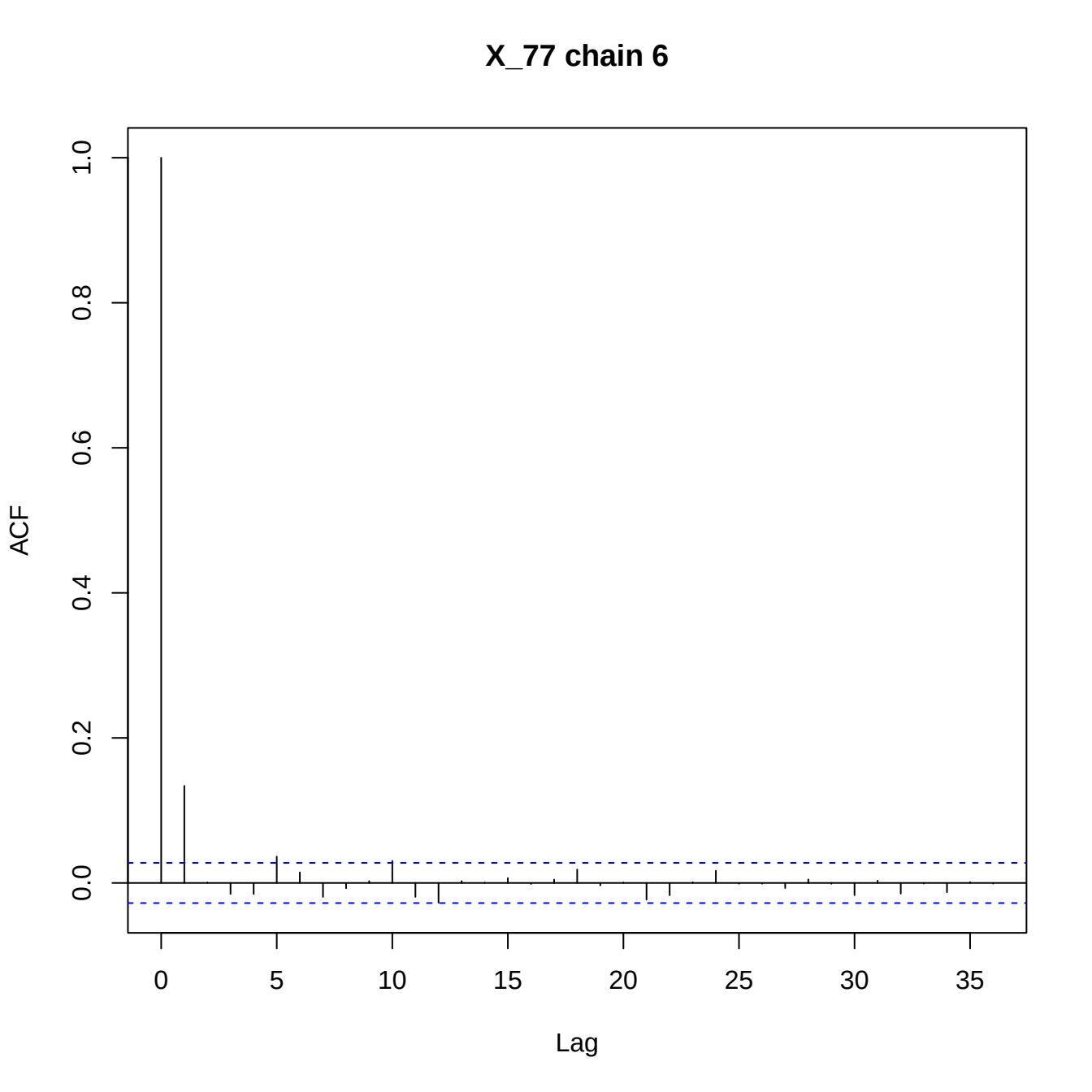
X_77 chain 6
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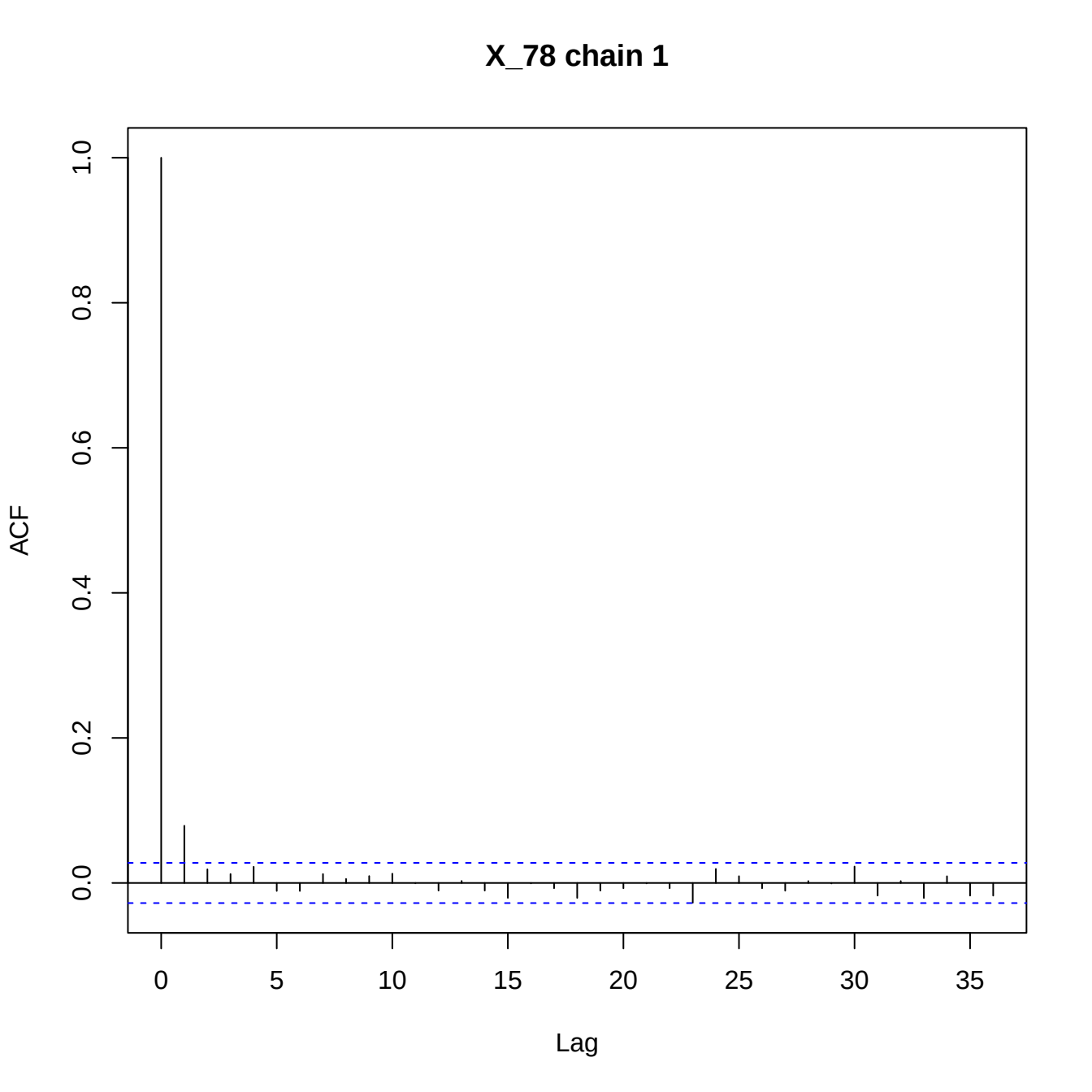
Lag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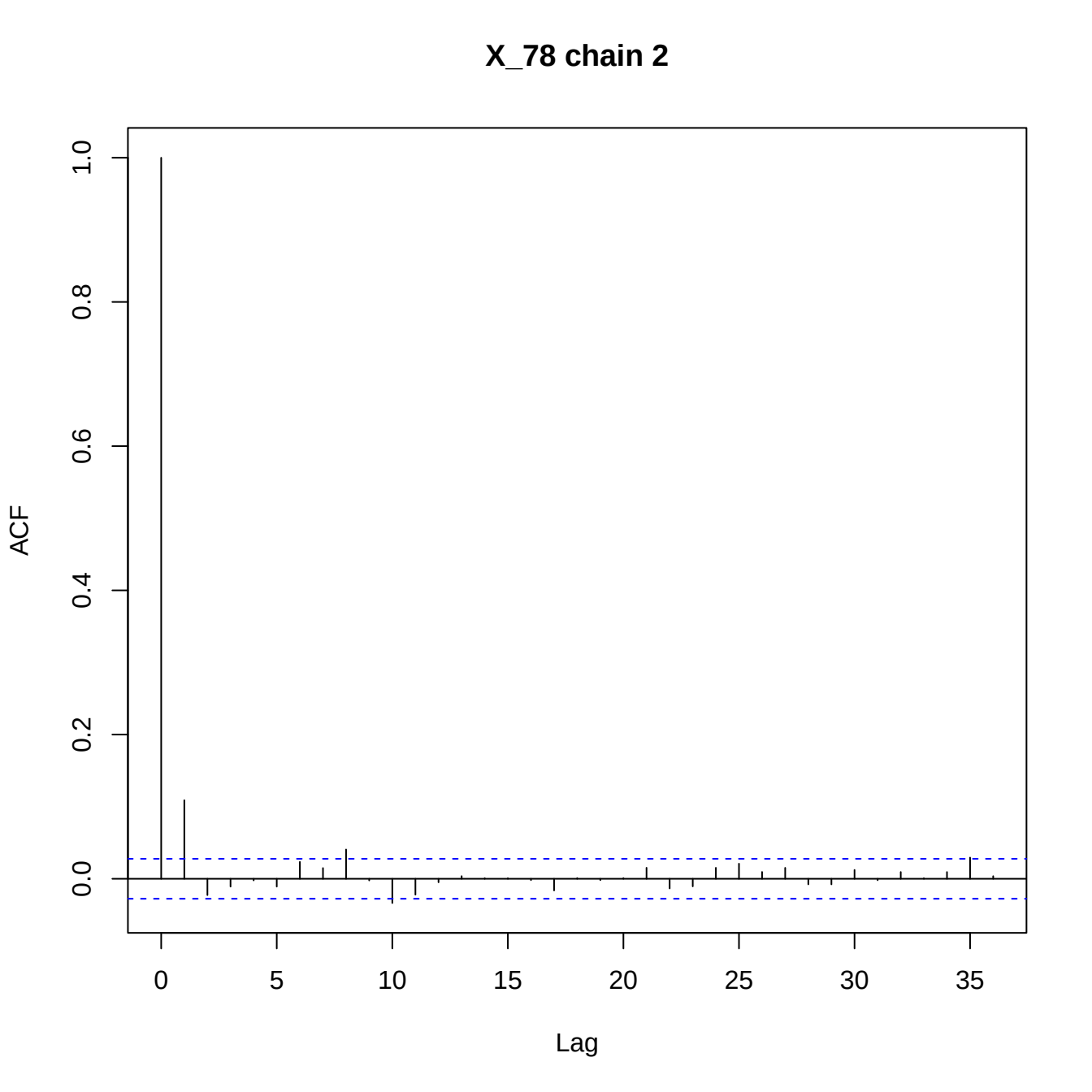
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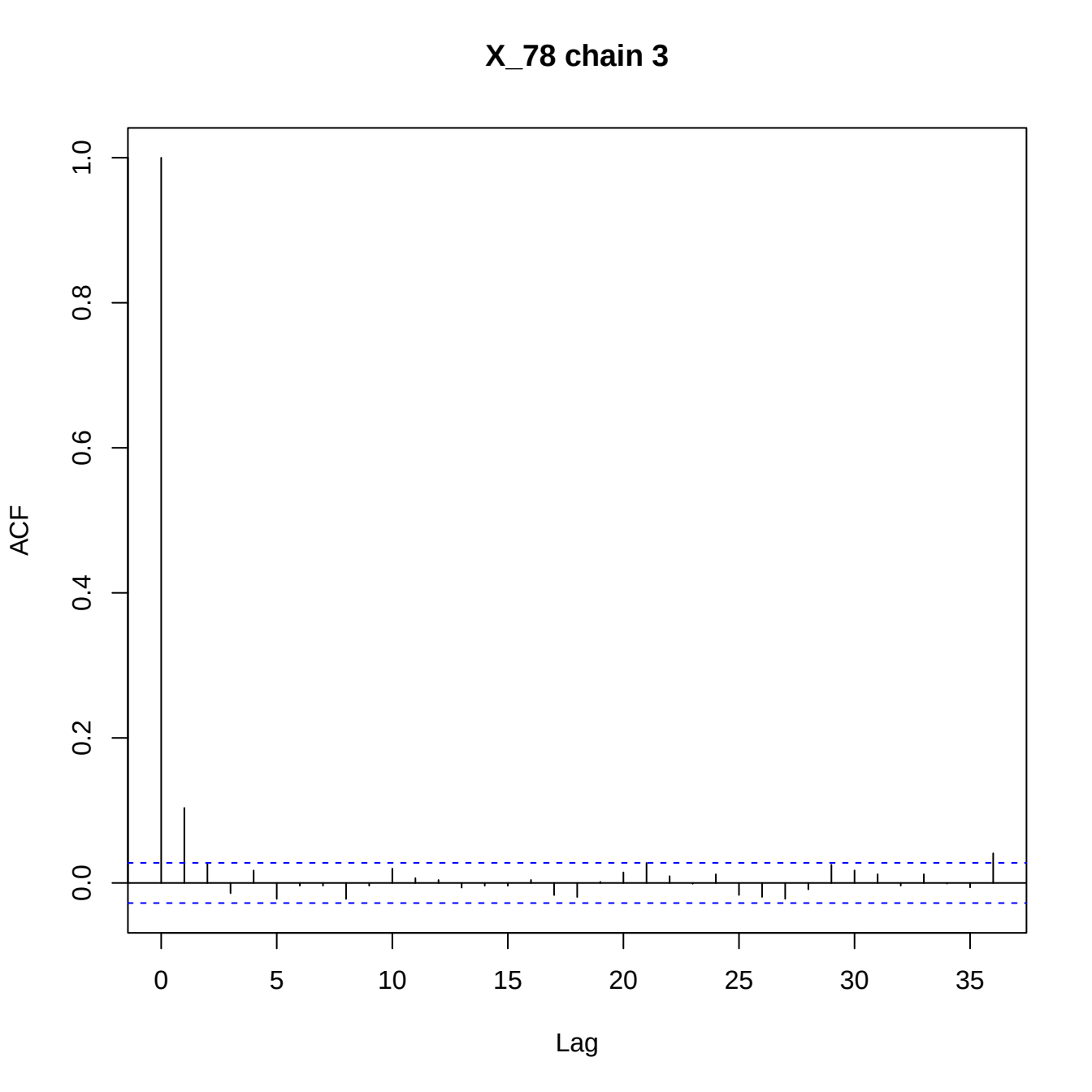
X_78 chain 3
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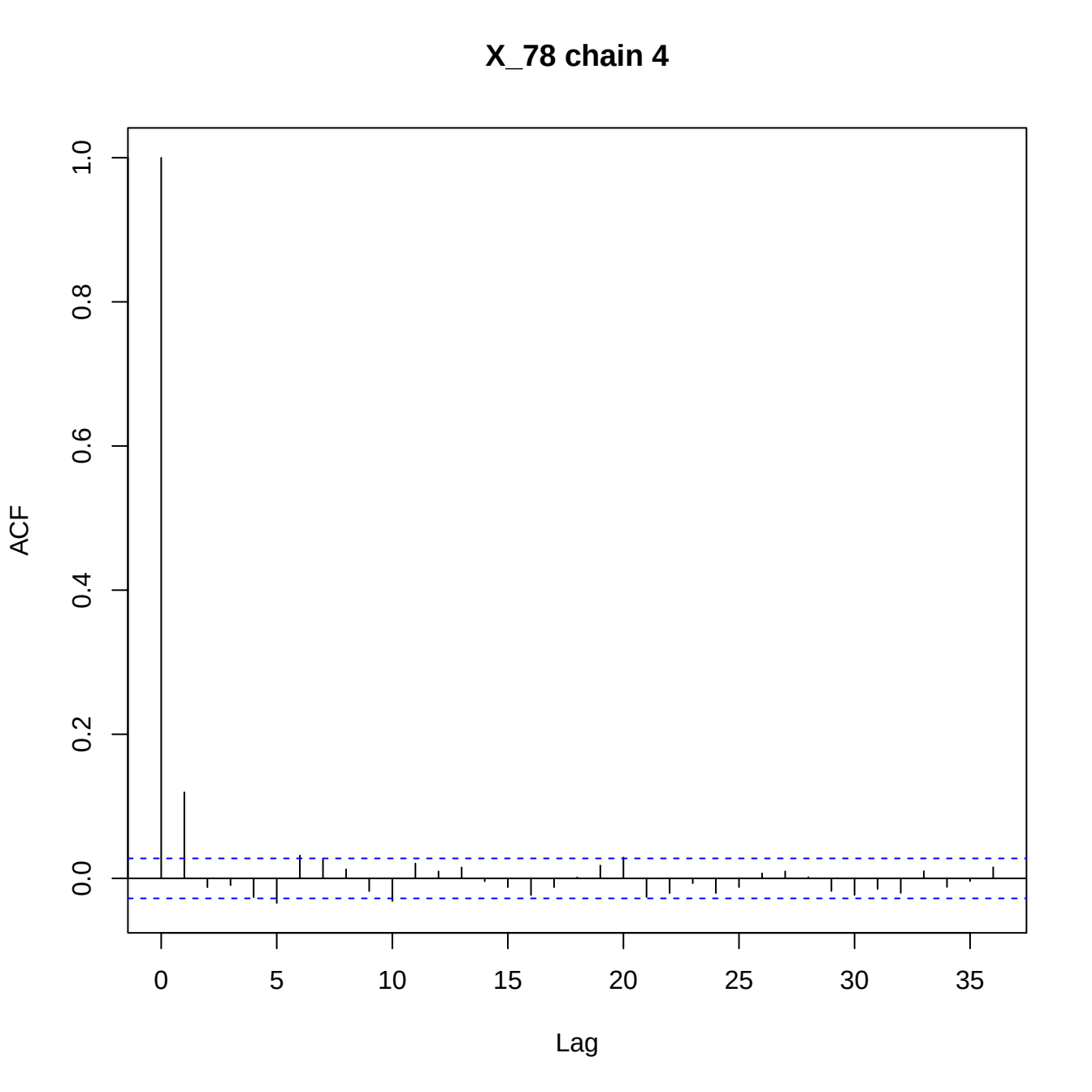
Lag


X_78 chain 4
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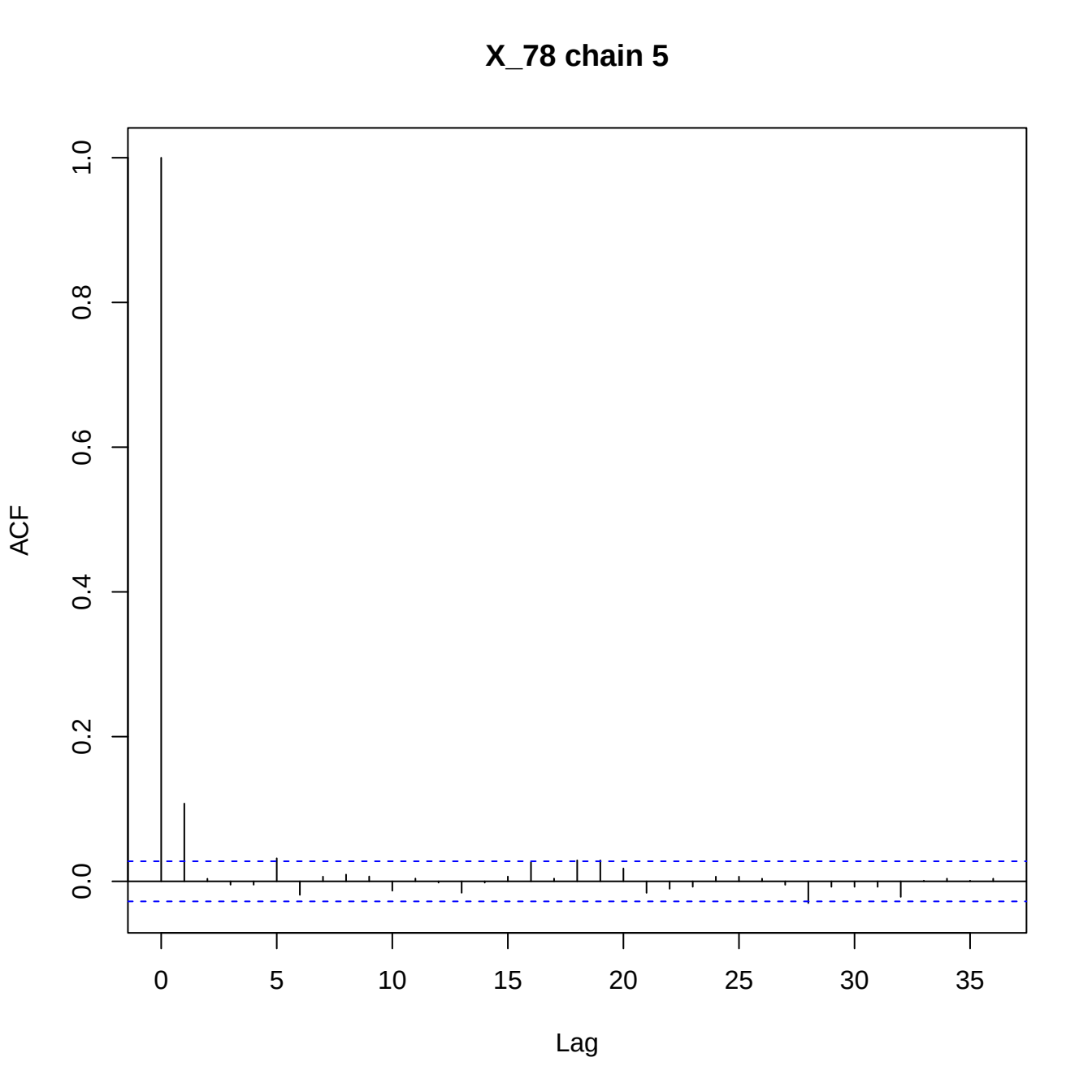
Lag


X_78 chain 5
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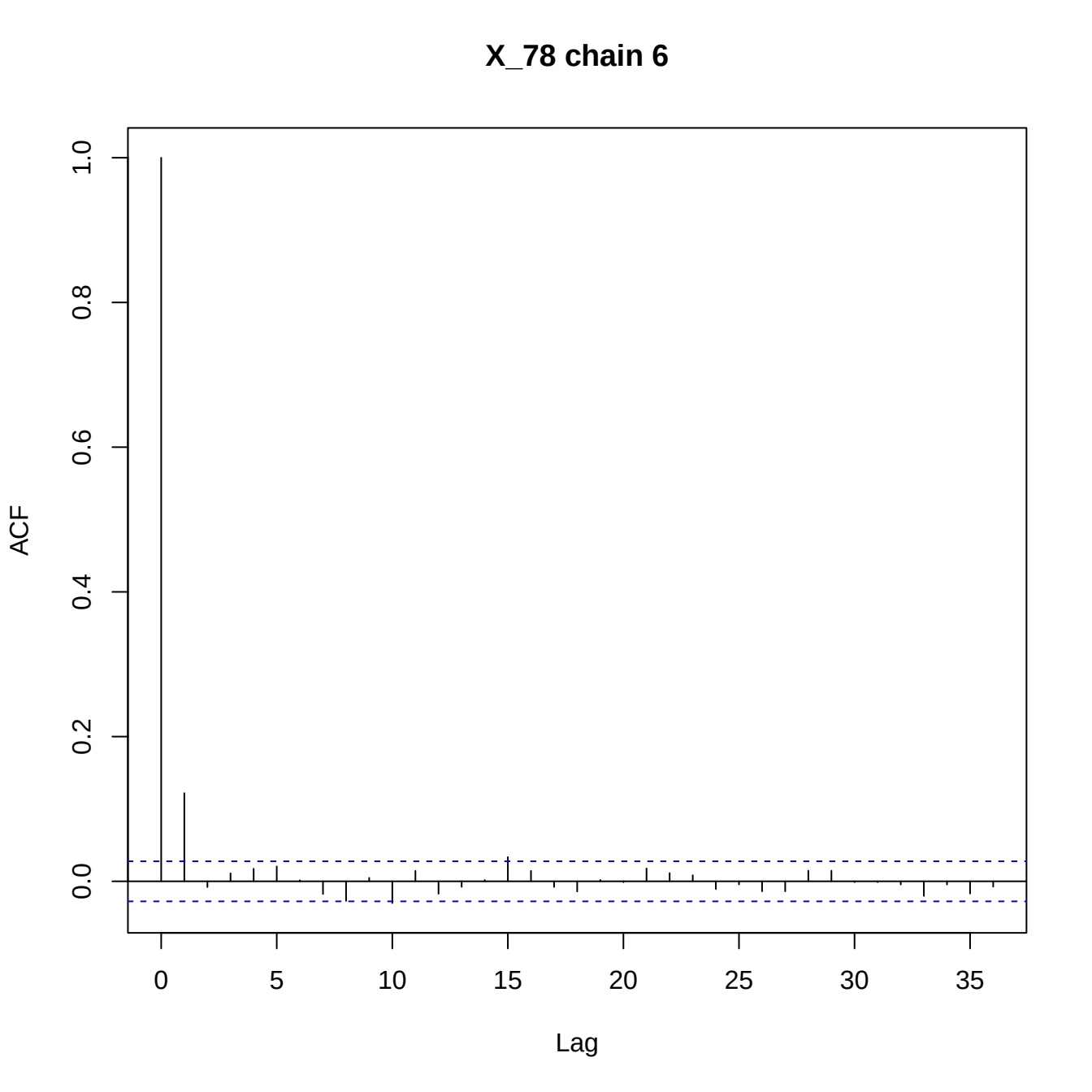
X_78 chain 6
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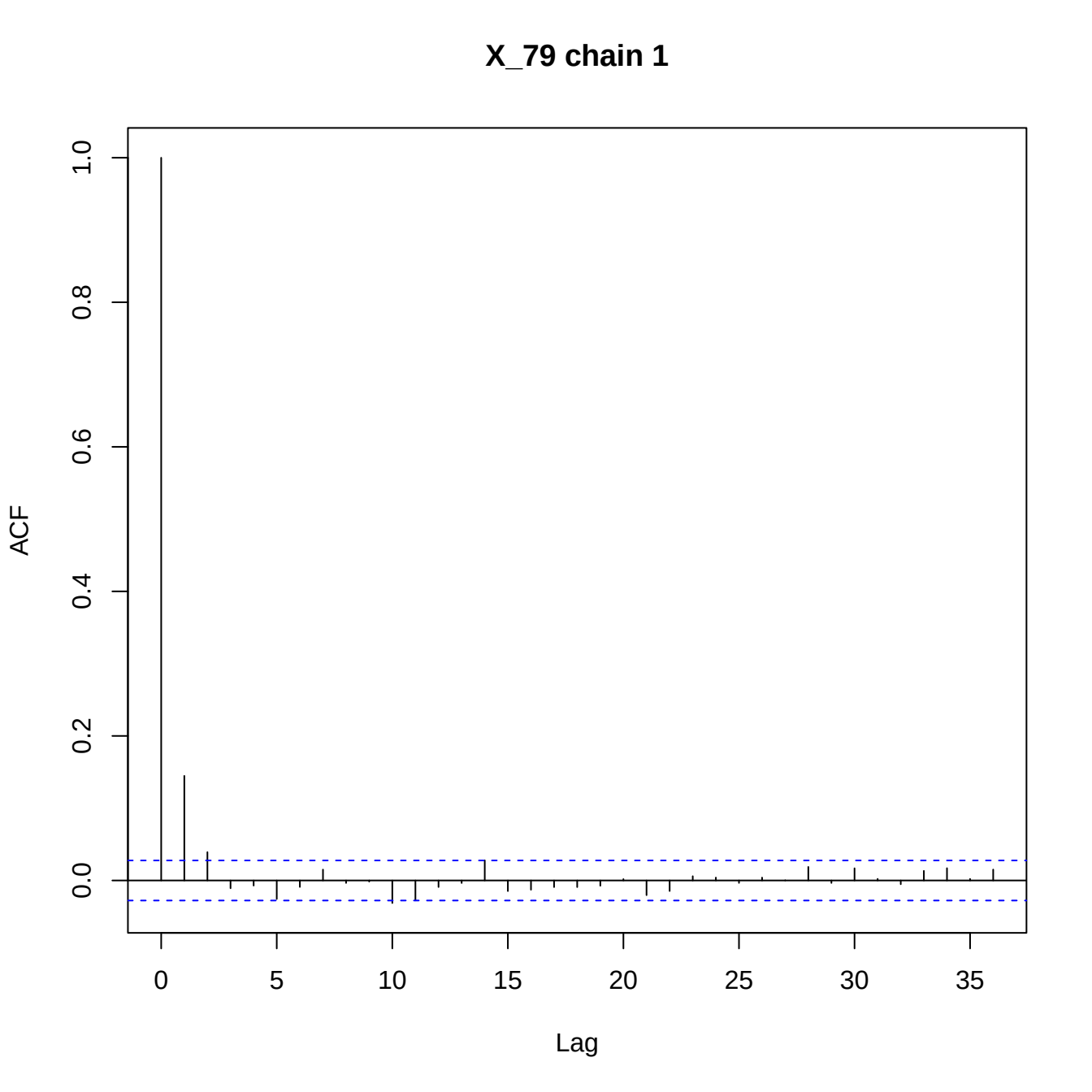
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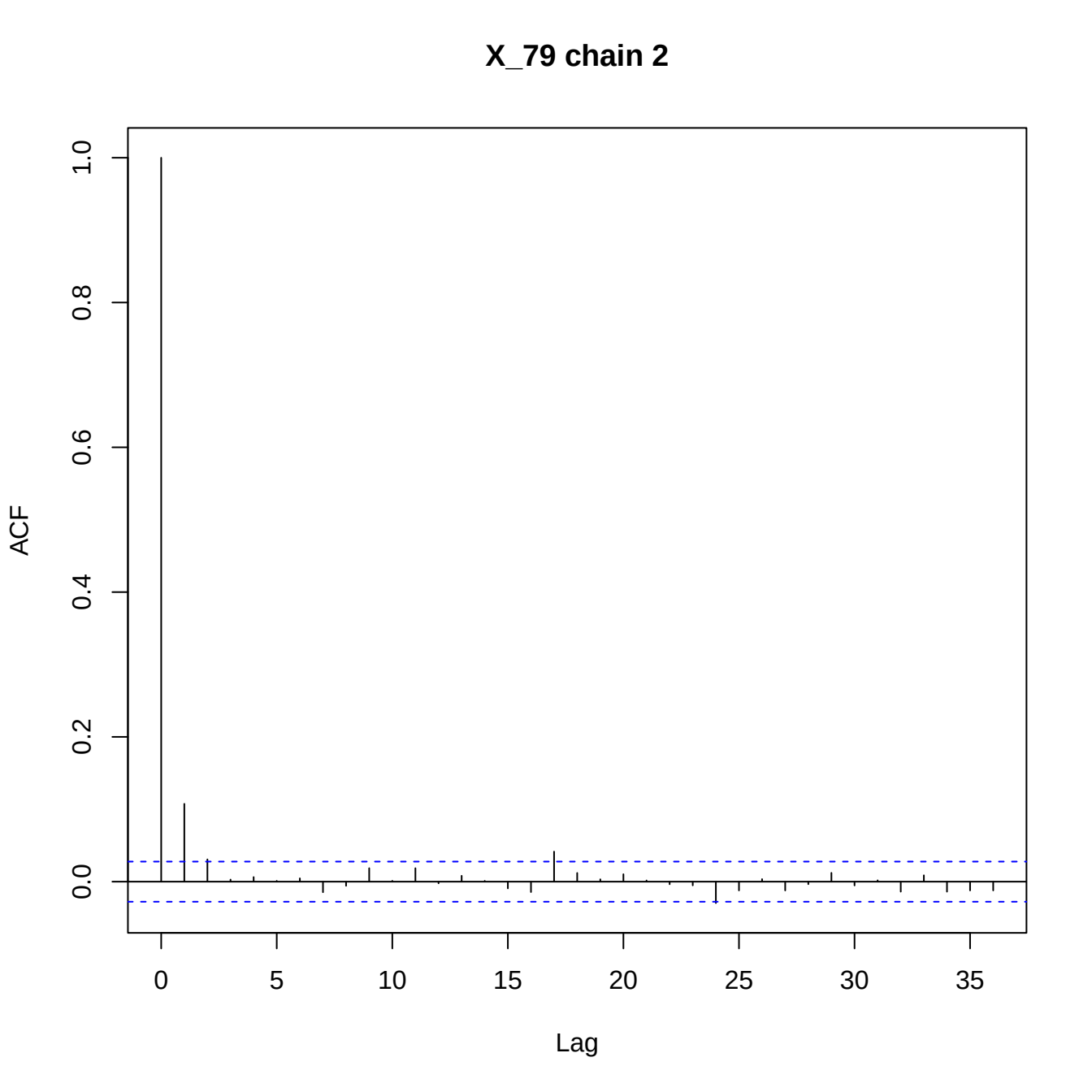
X_79 chain 2
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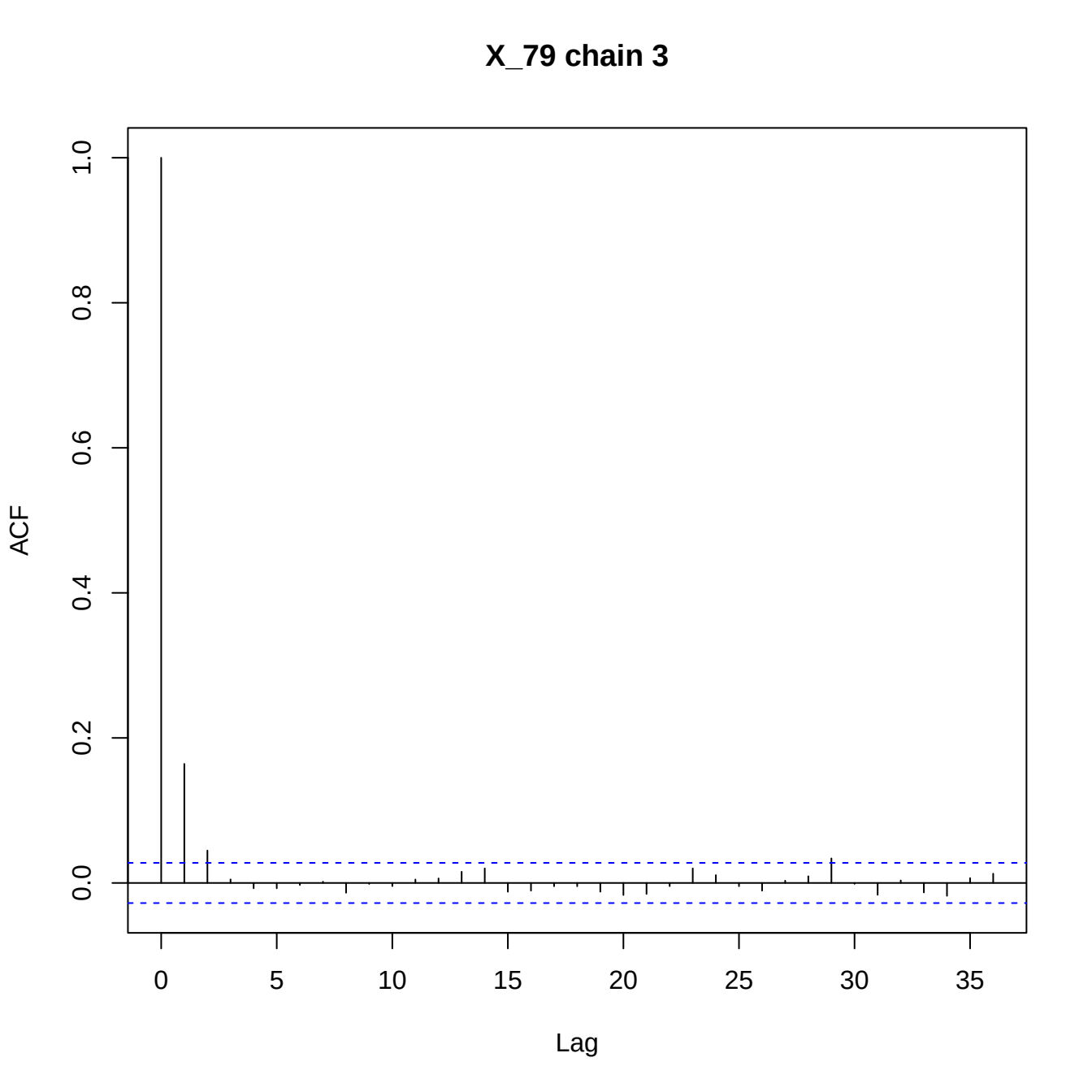
Lag


X_79 chain 3
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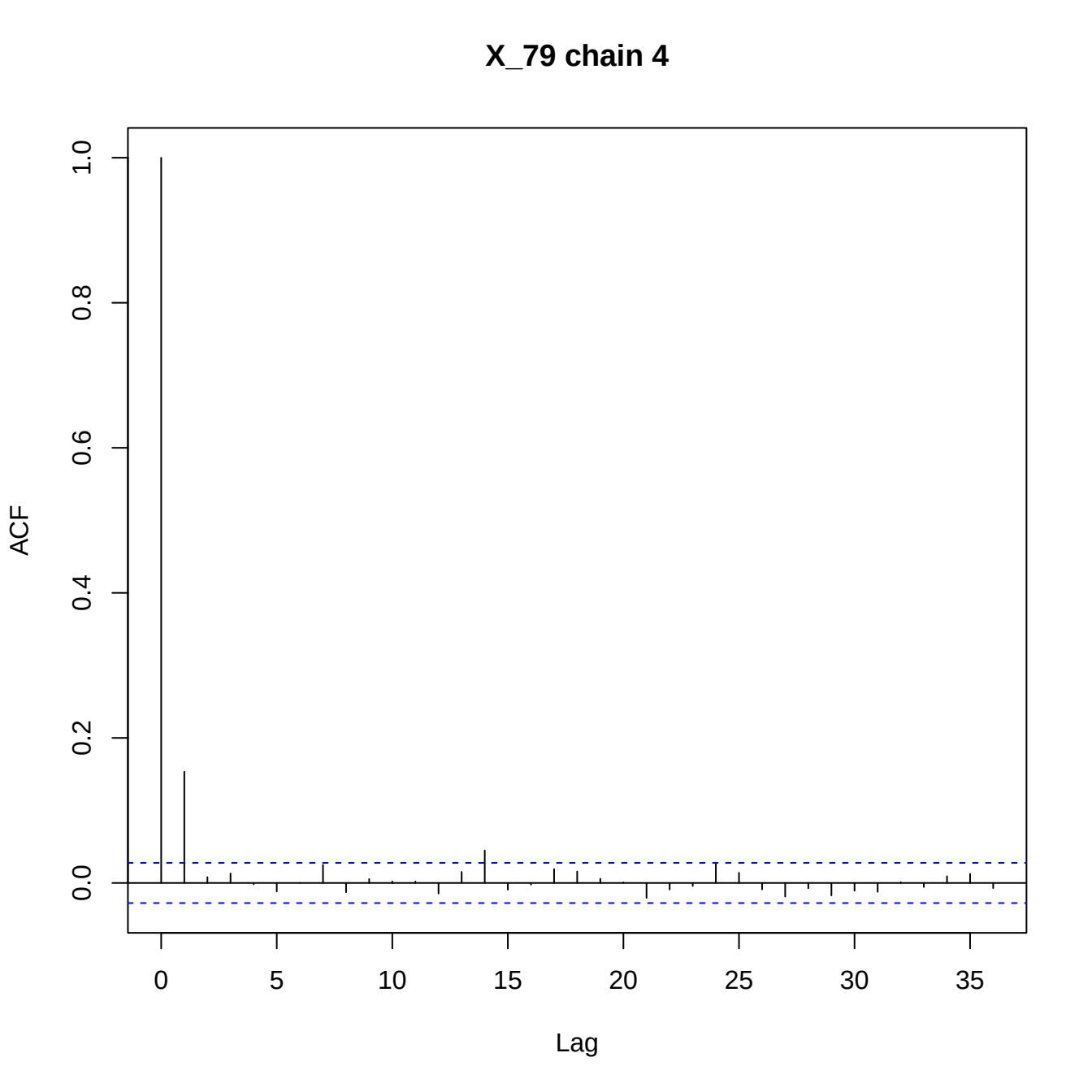
X_79 chain 4
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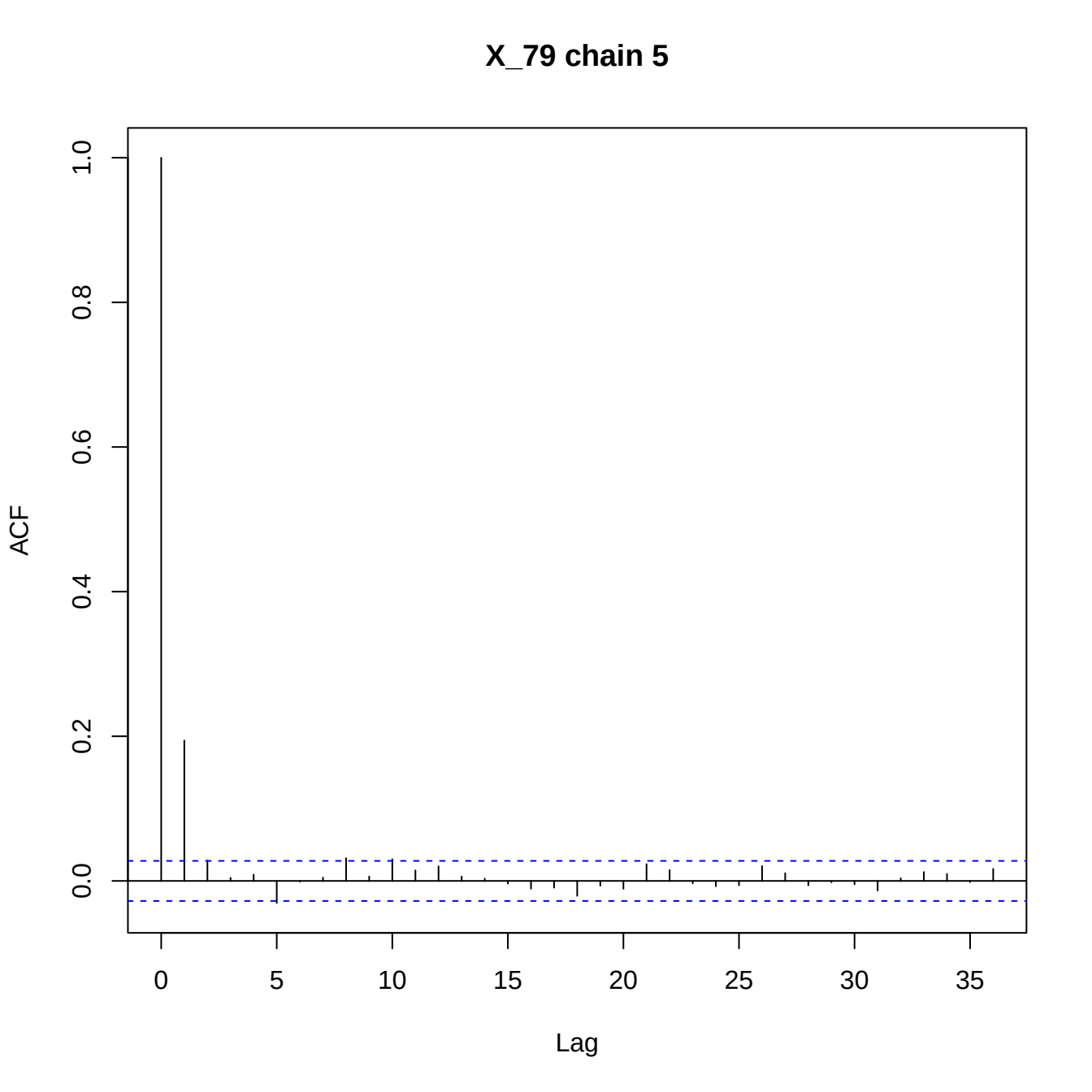
Lag


X_79 chain 5
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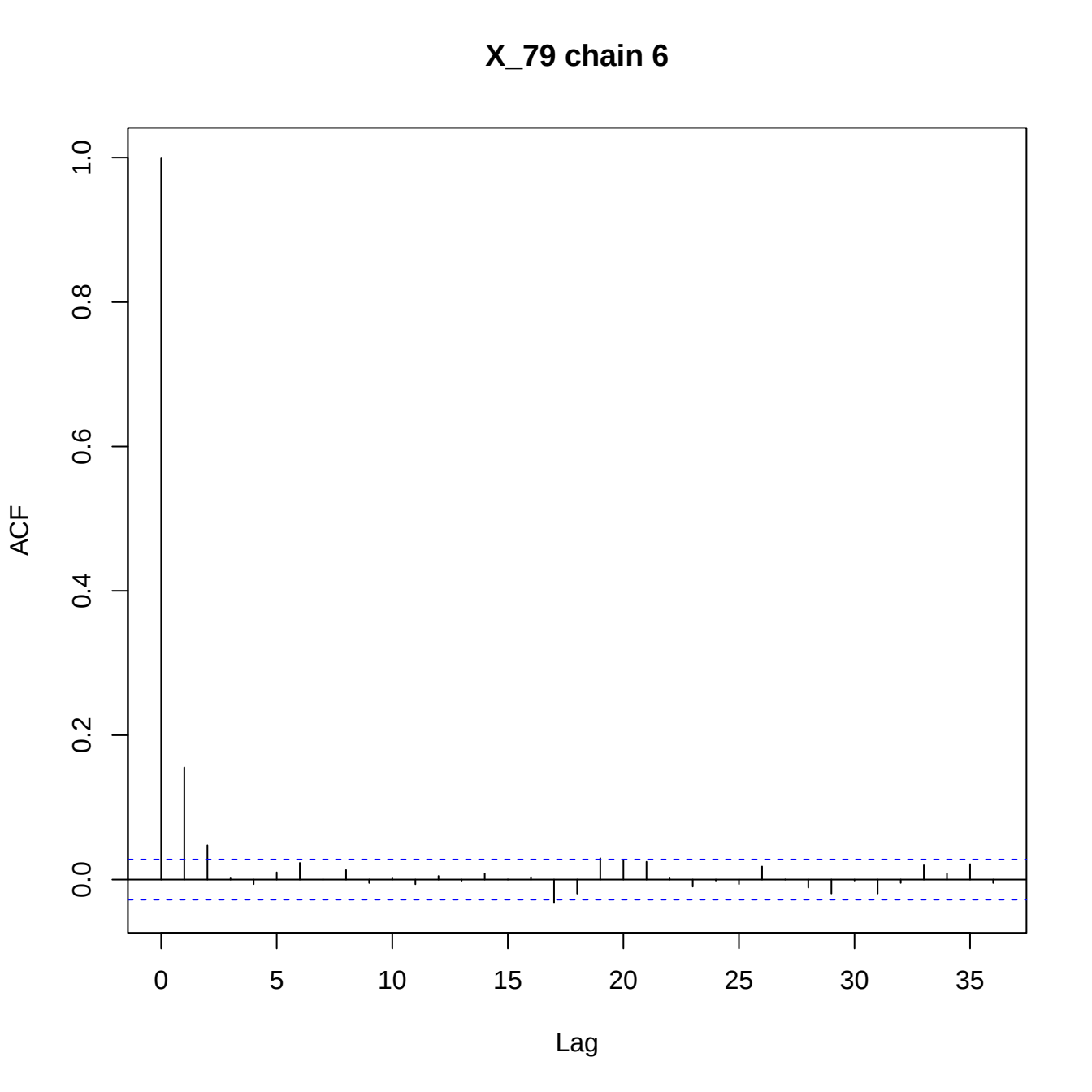
X_79 chain 6
ACF
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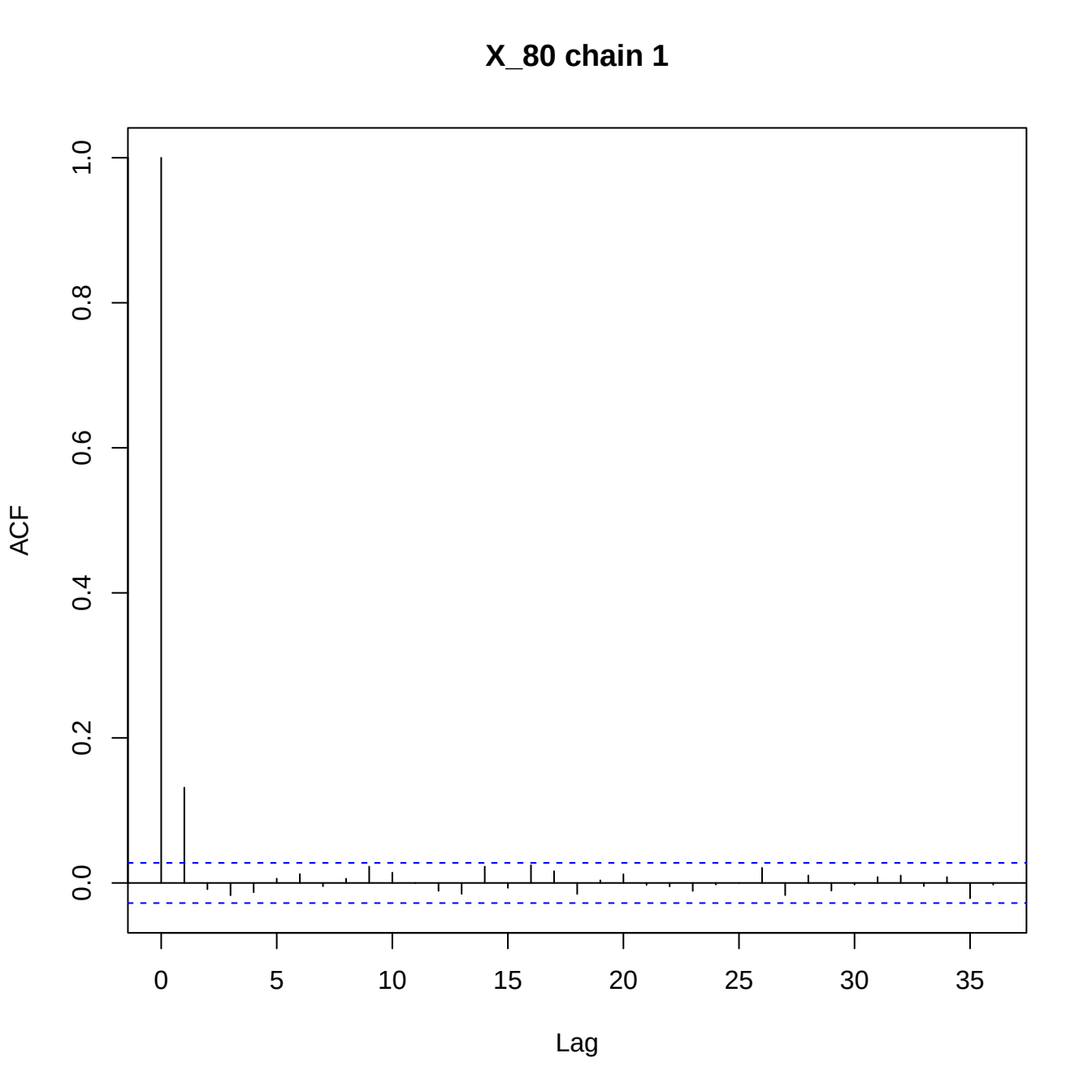
Lag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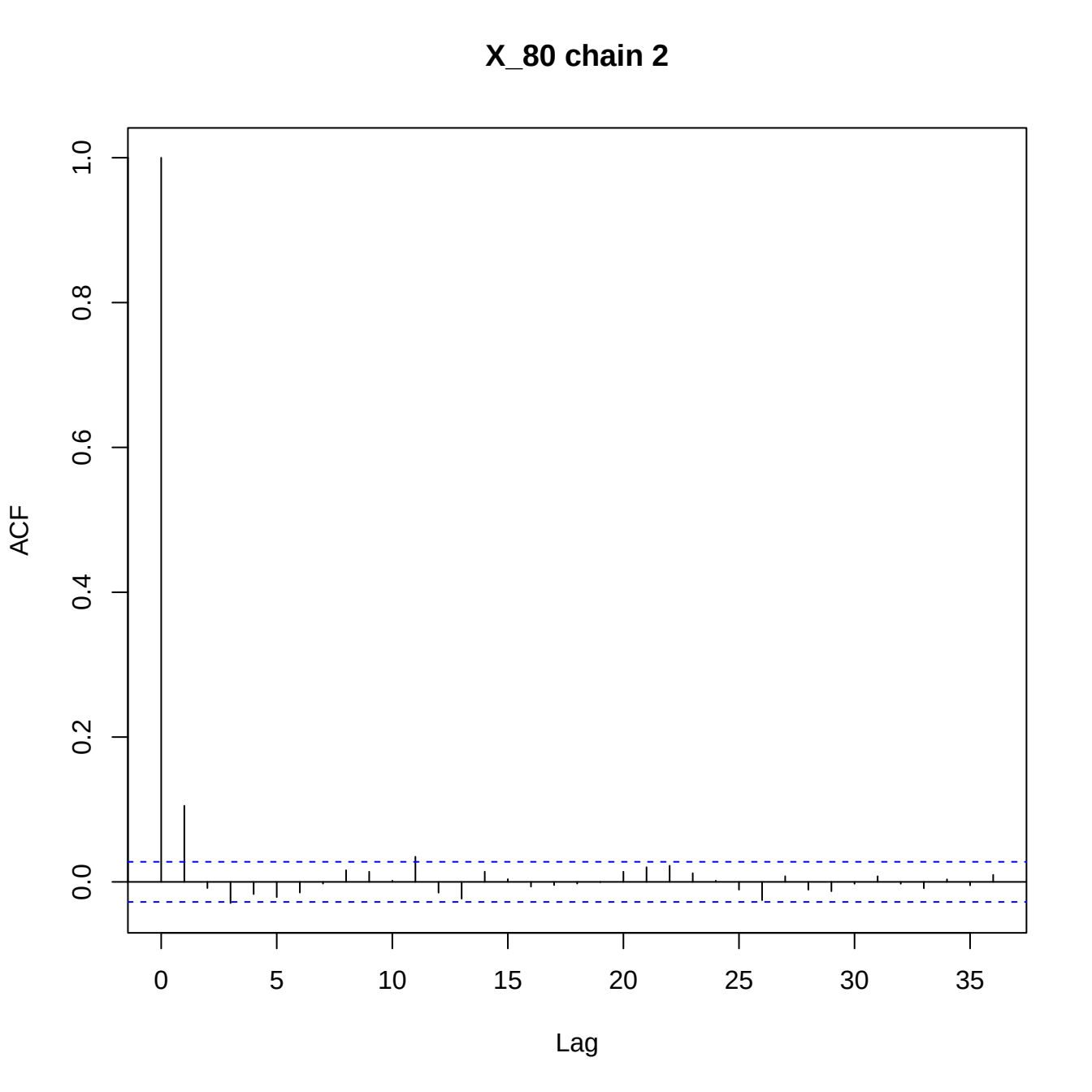
Lag


X_80 chain 2
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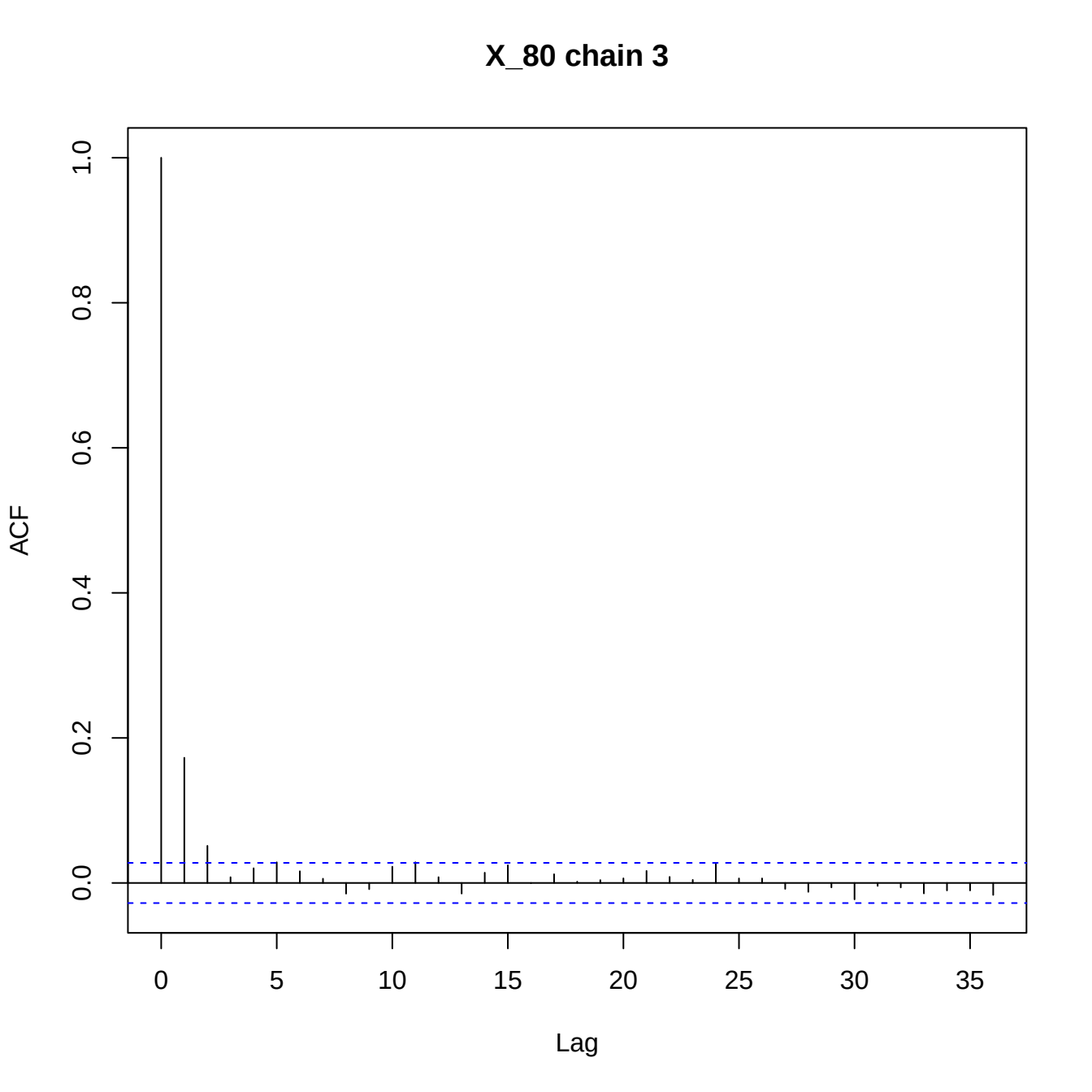
Lag


X_80 chain 3
ACF
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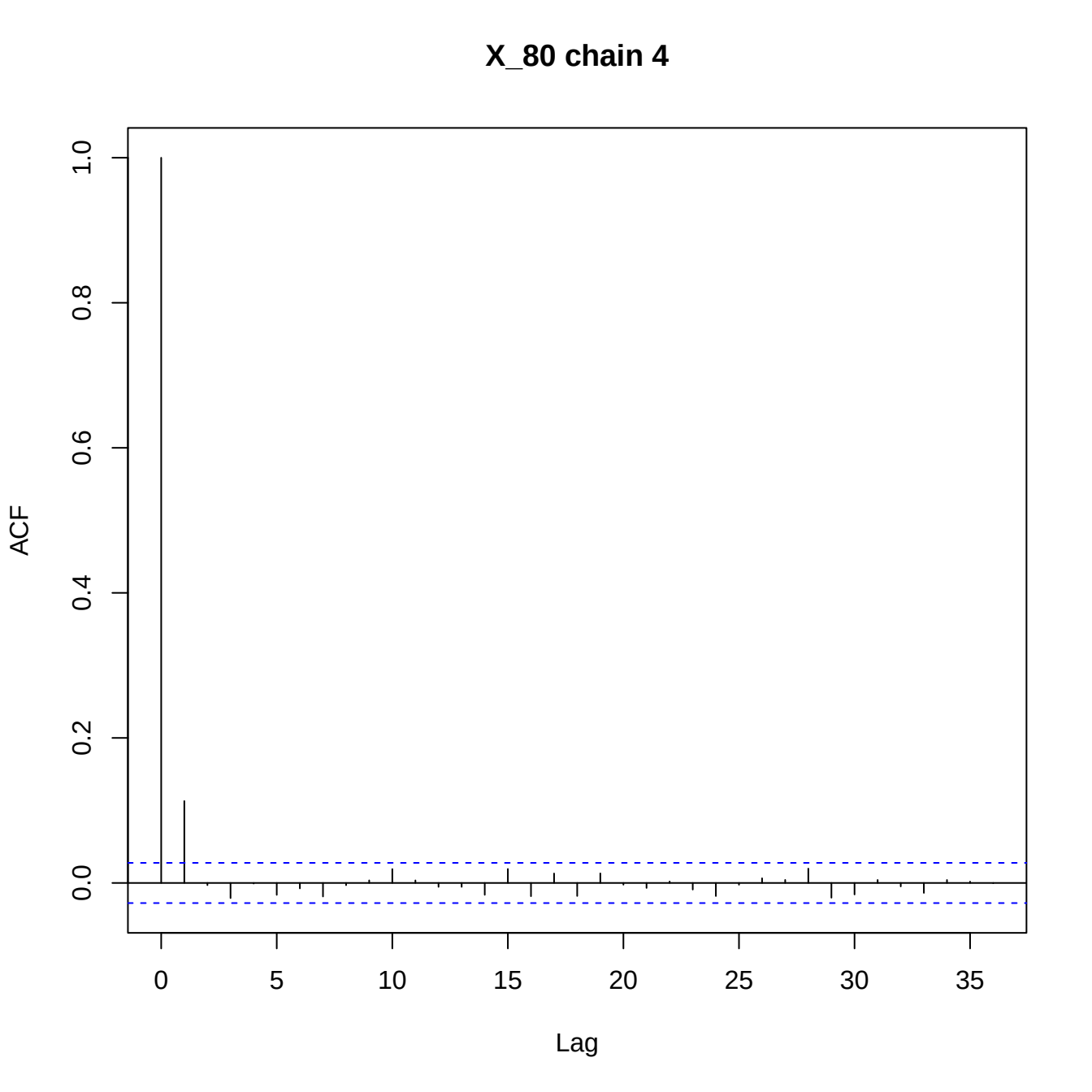
Lag


X_80 chain 4
ACF
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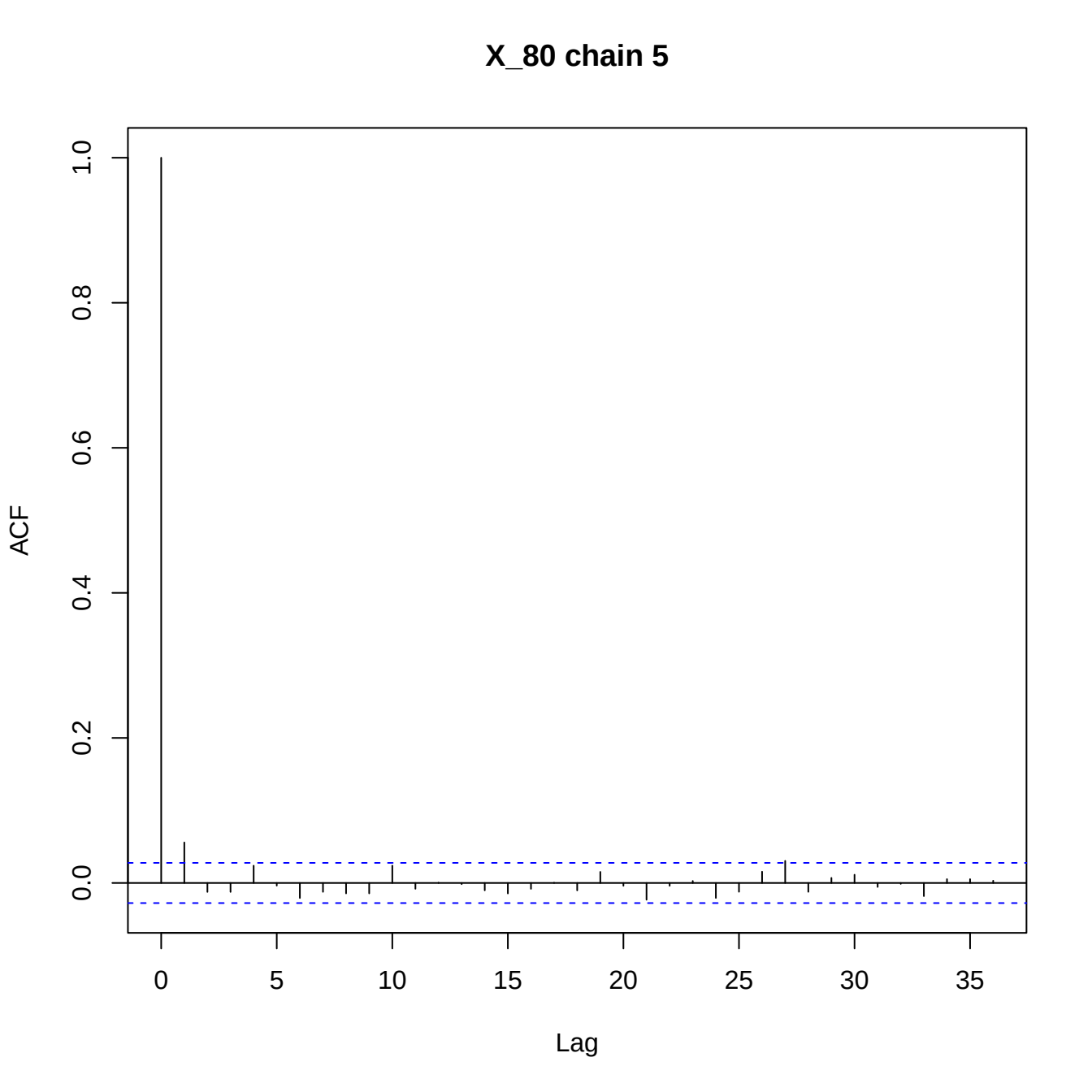
Lag


X_80 chain 5
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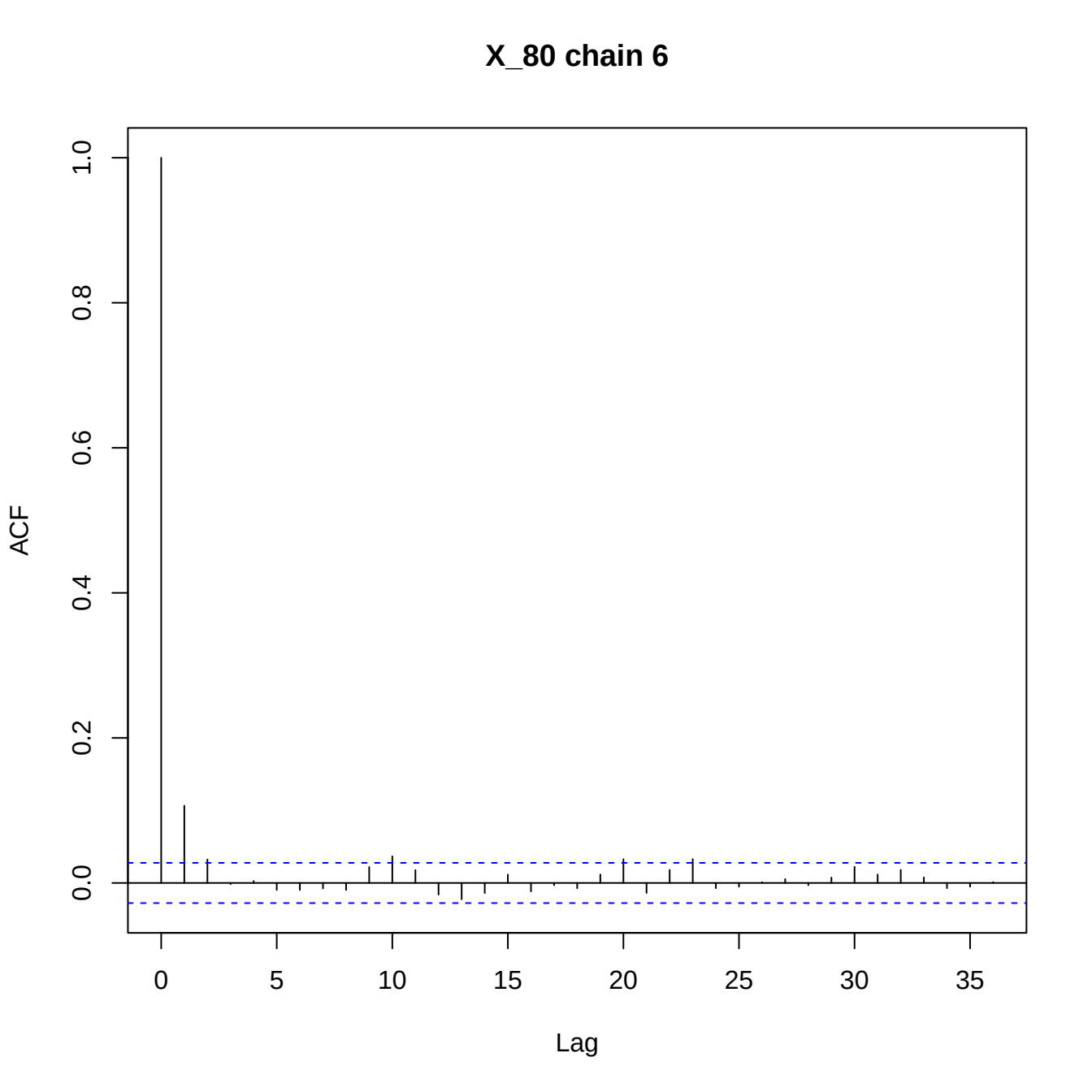
Lag


X_80 chain 6
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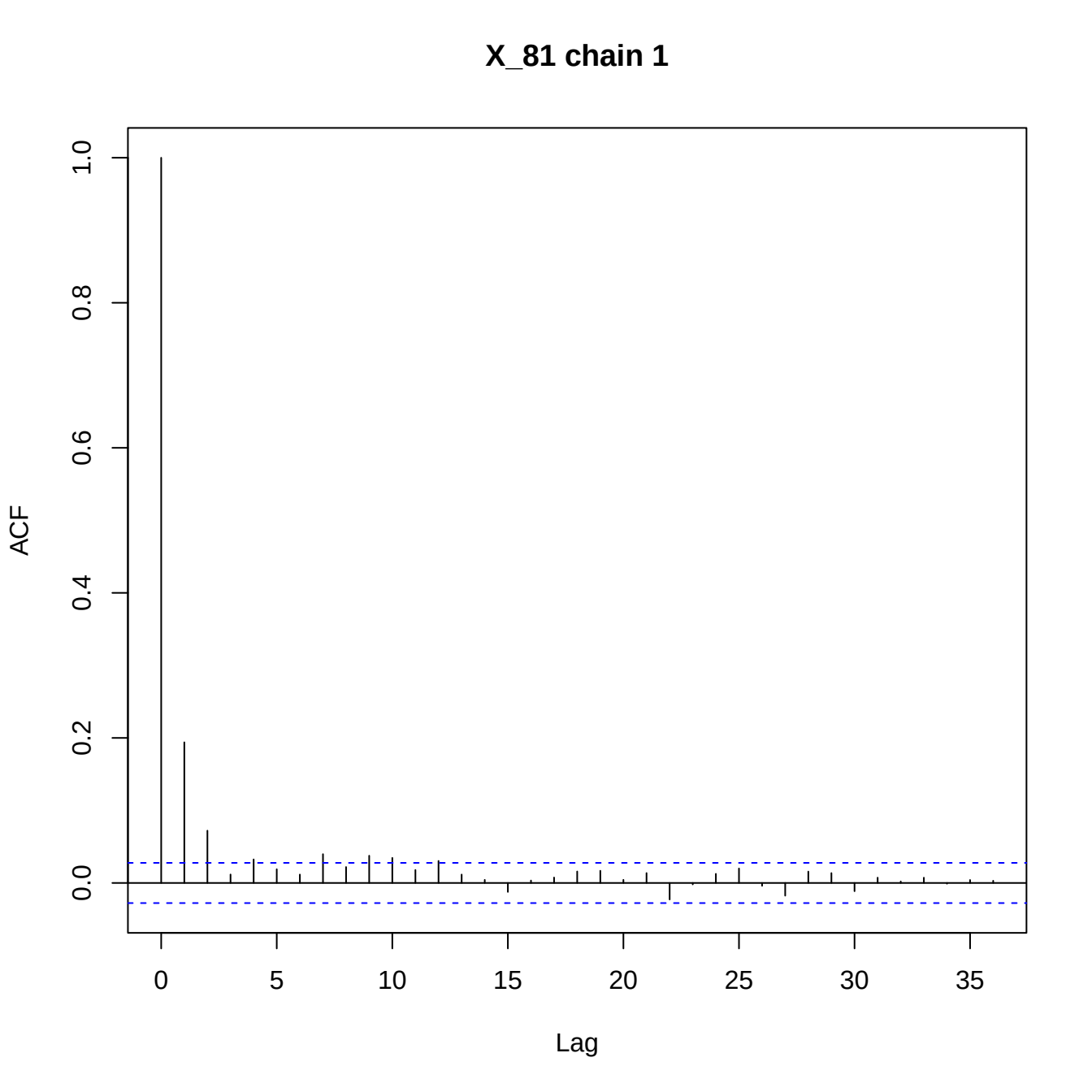
Lag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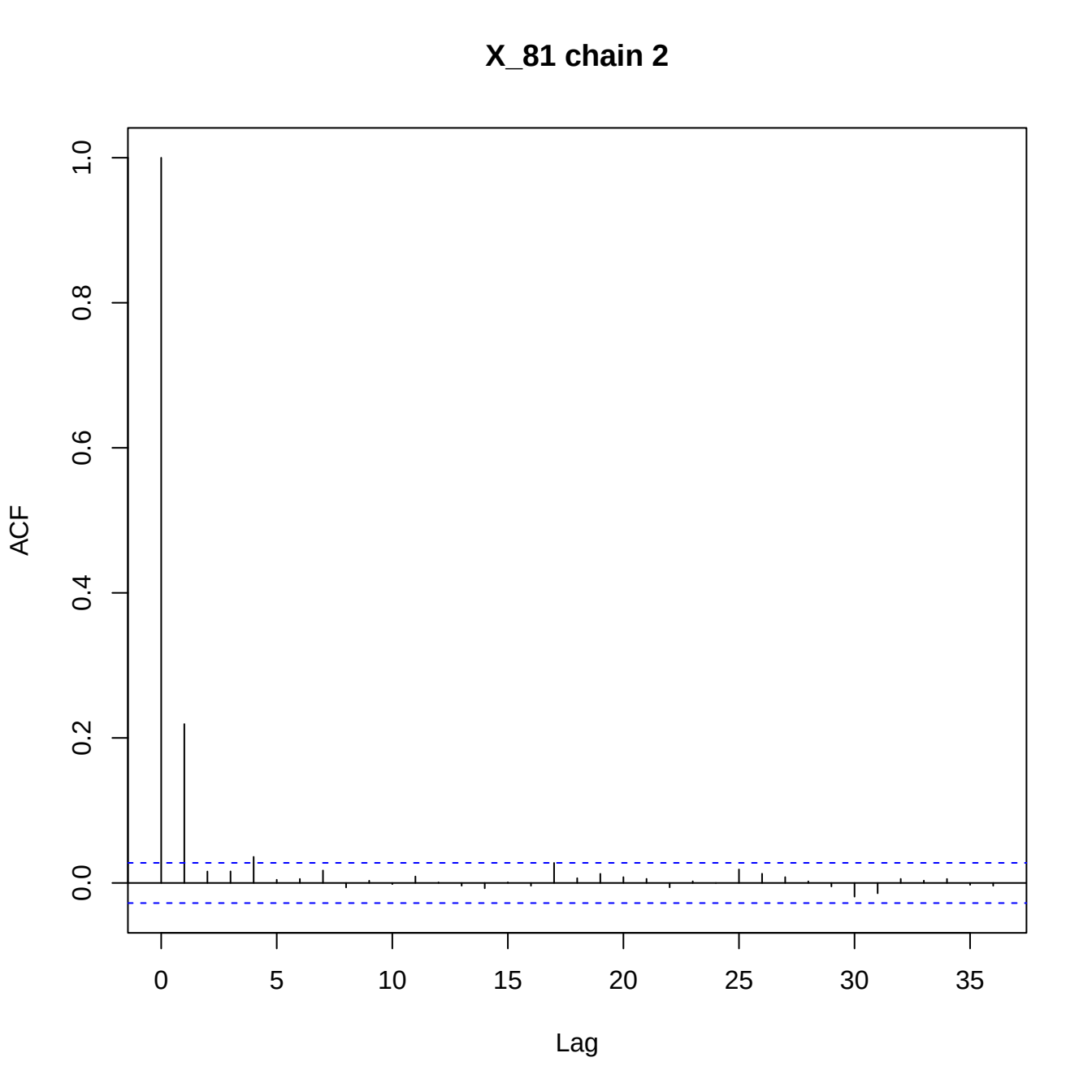
Lag


X_81 chain 2
ACF
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0.6
0.4
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10
15
20
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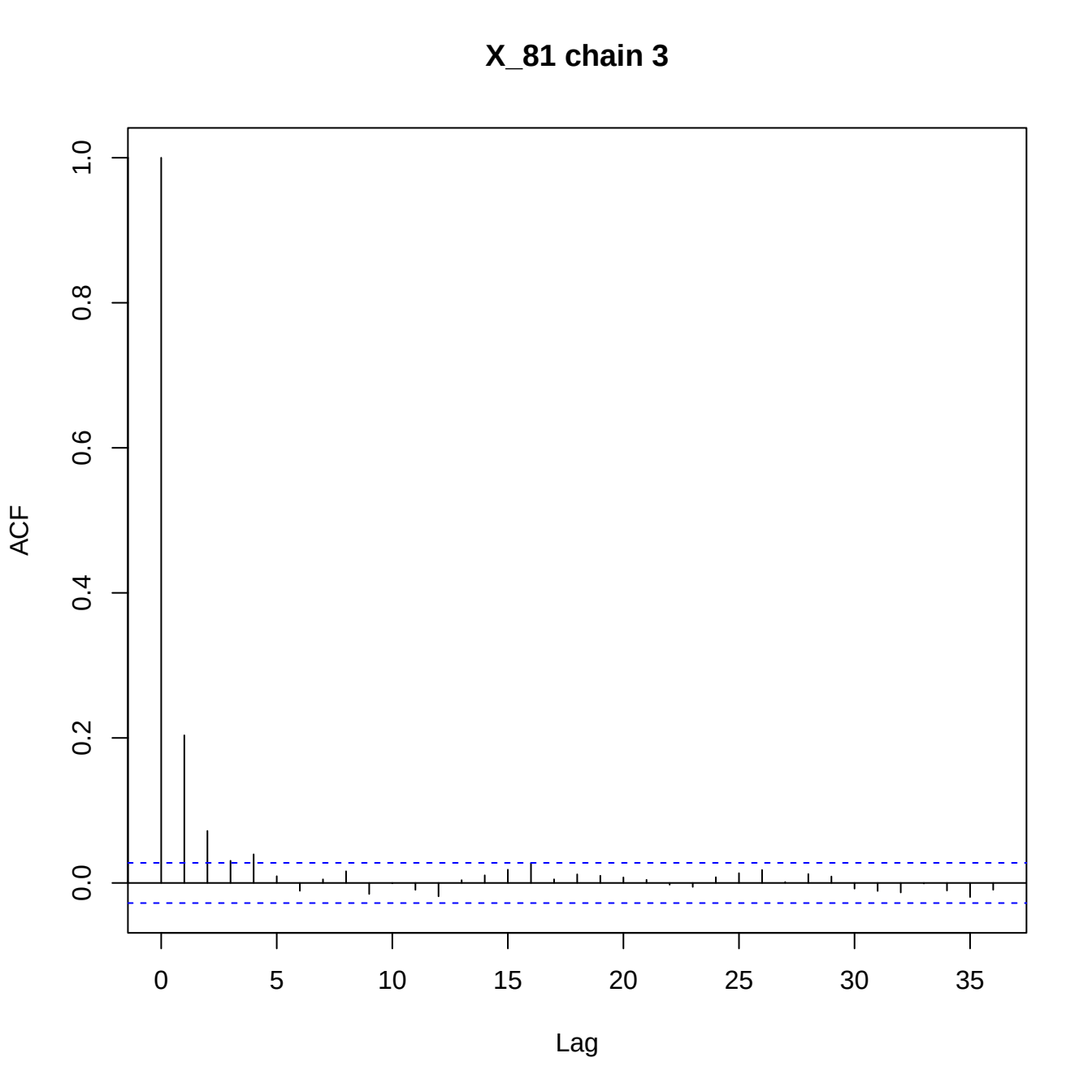
Lag


X_81 chain 3
ACF
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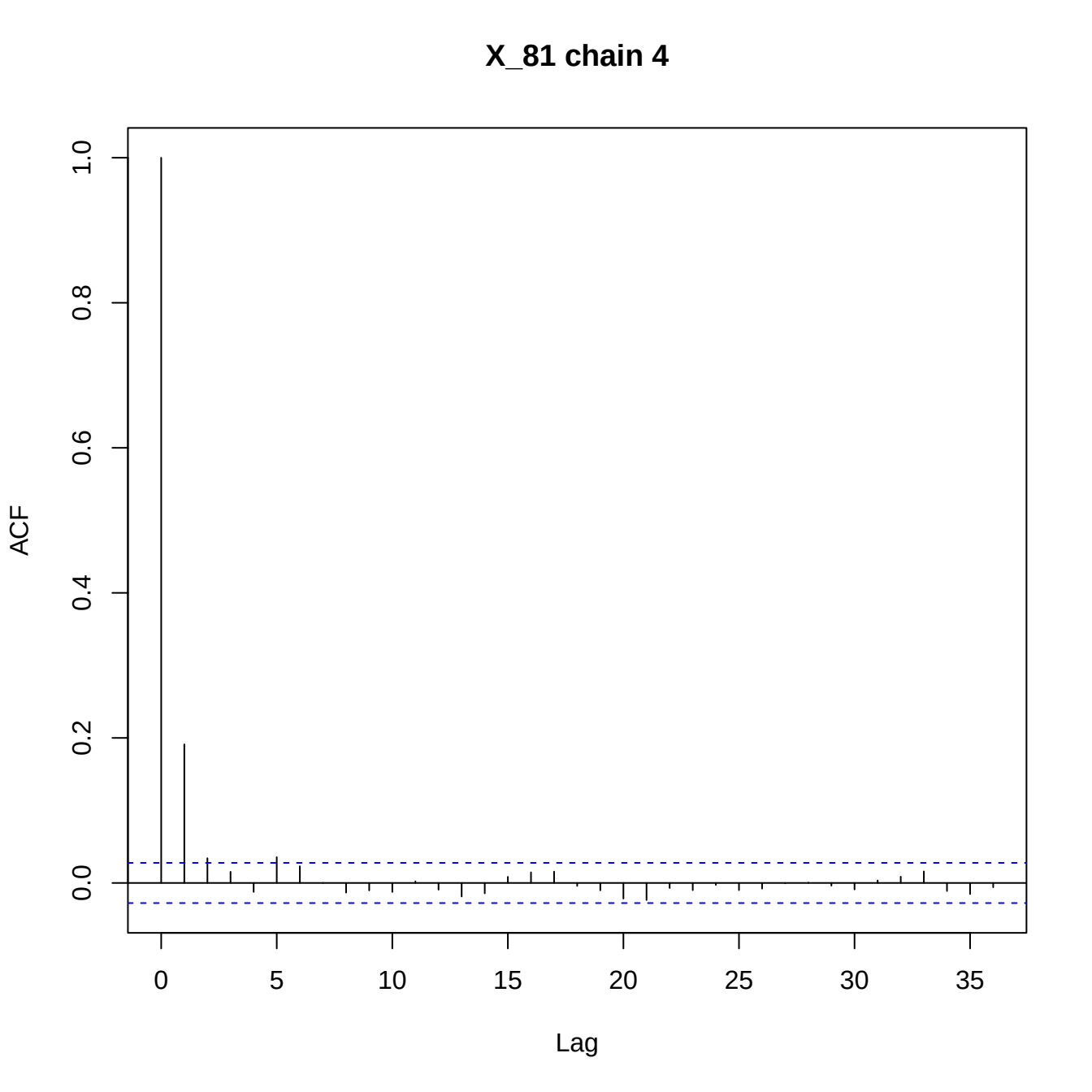
Lag


X_81 chain 4
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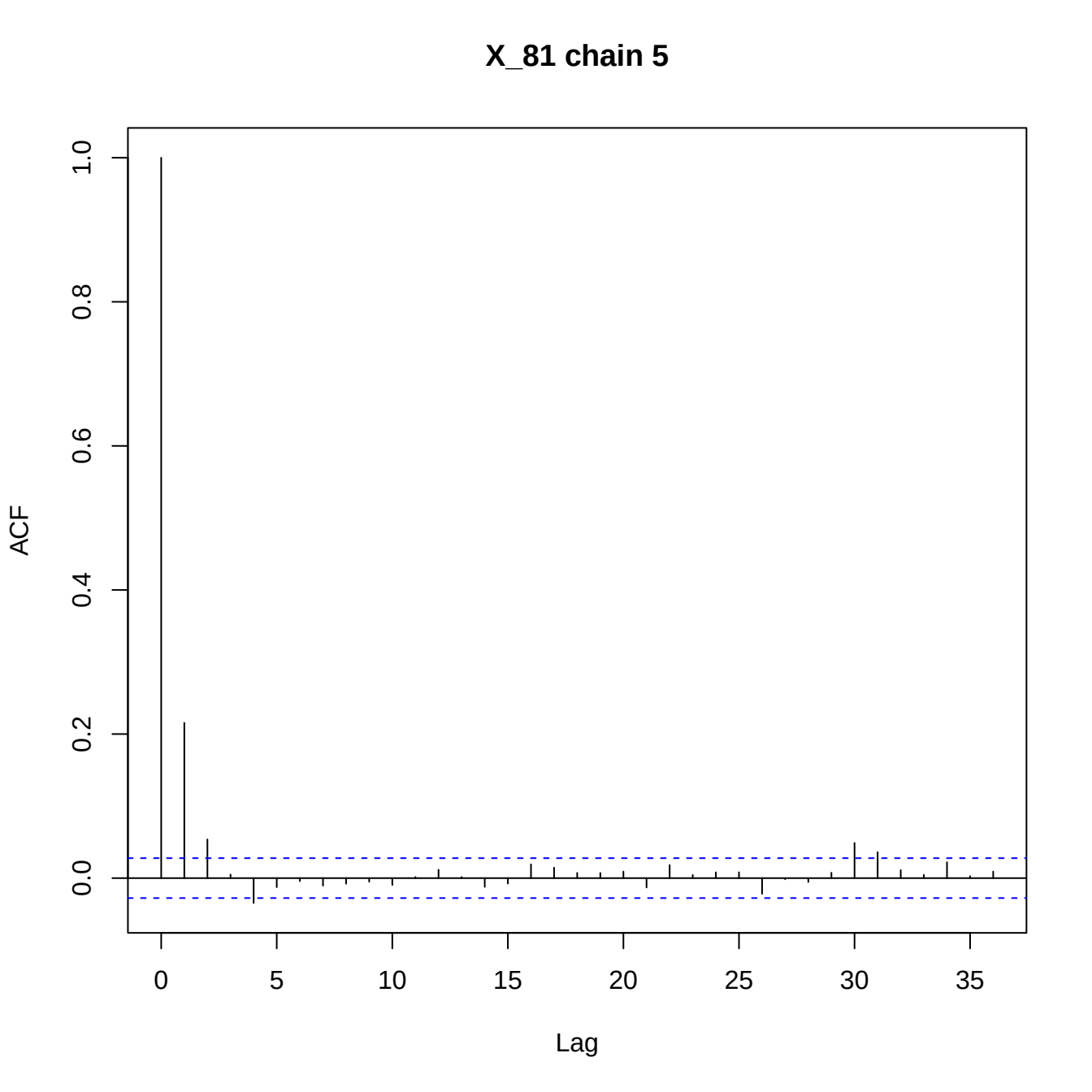
Lag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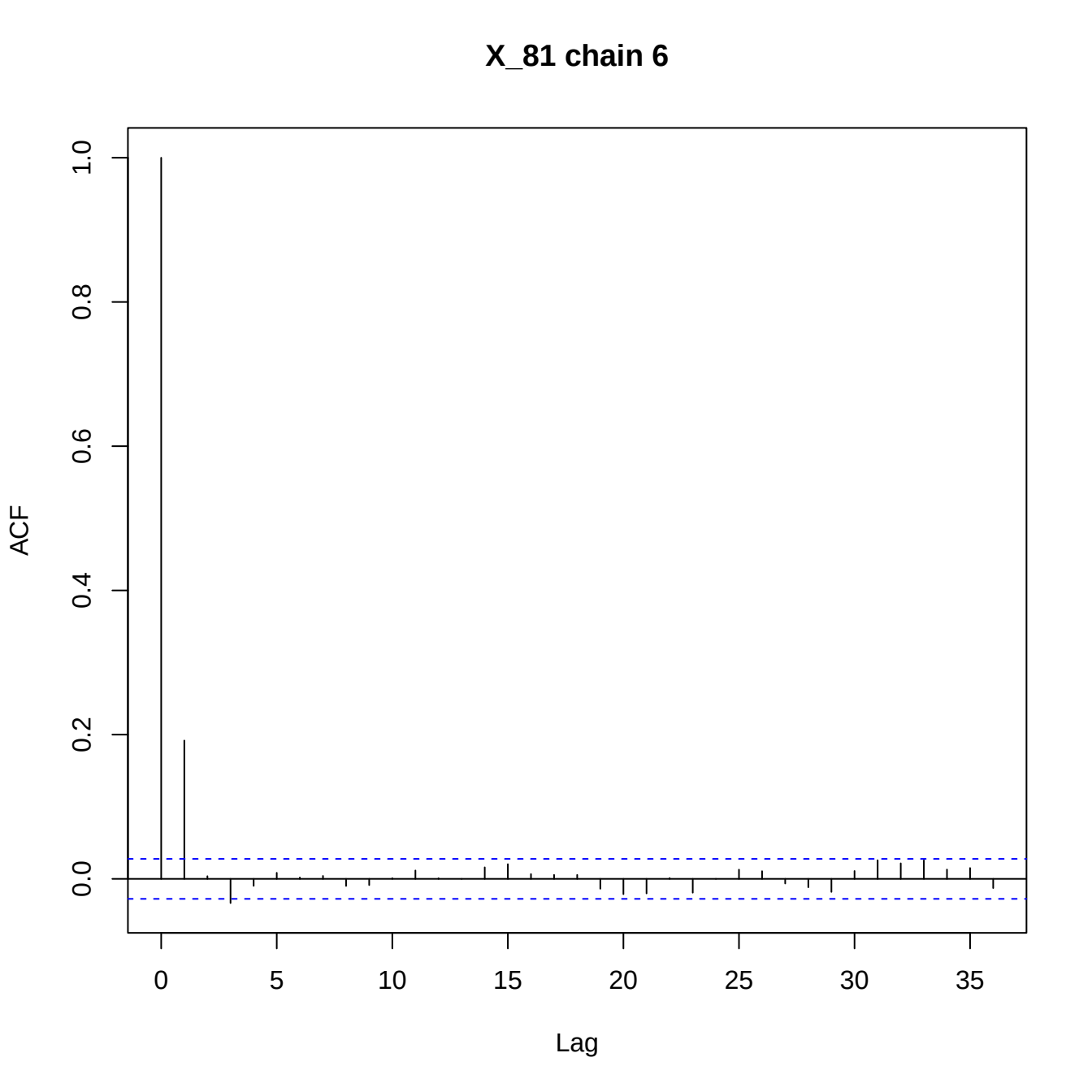
Lag


X_81 chain 6
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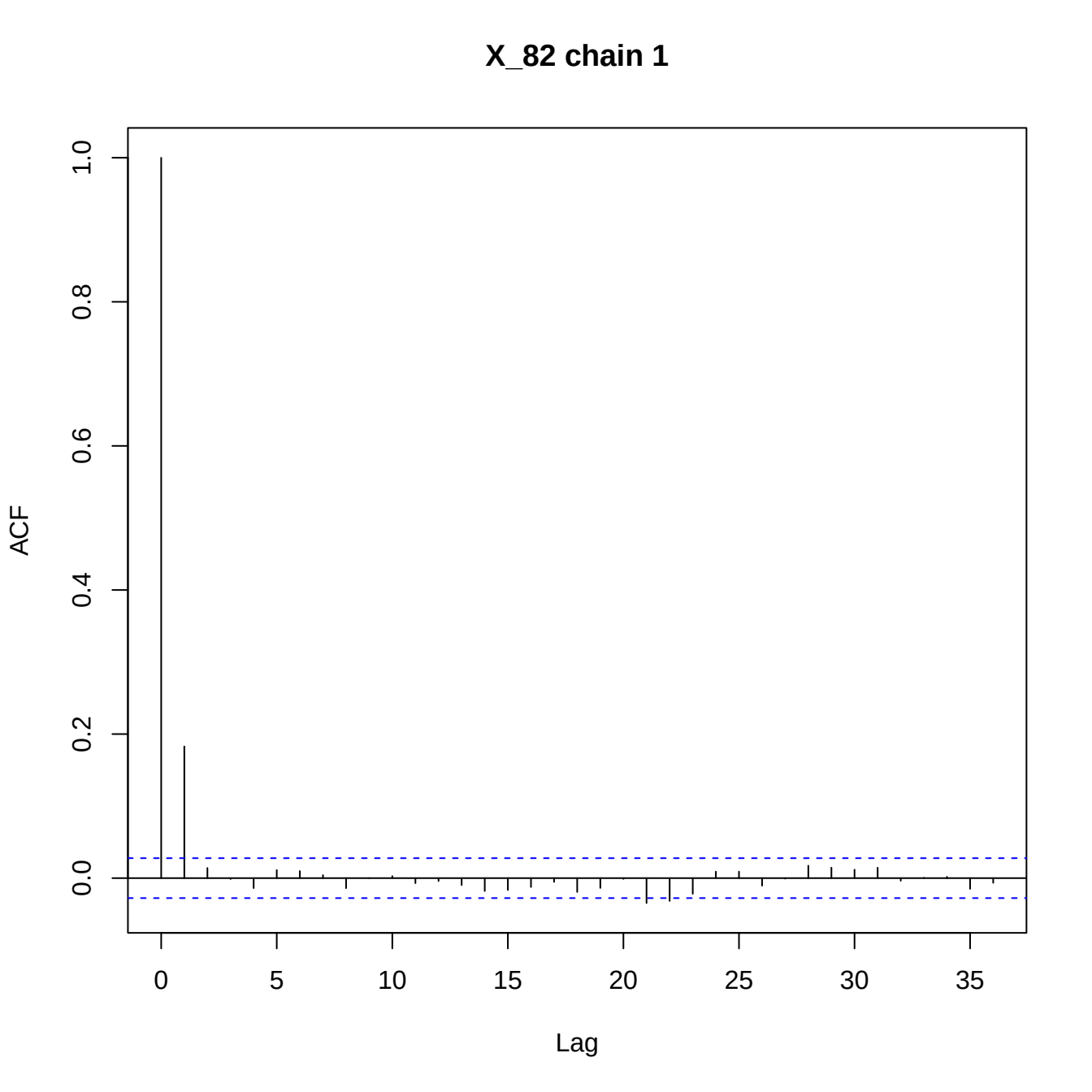
Lag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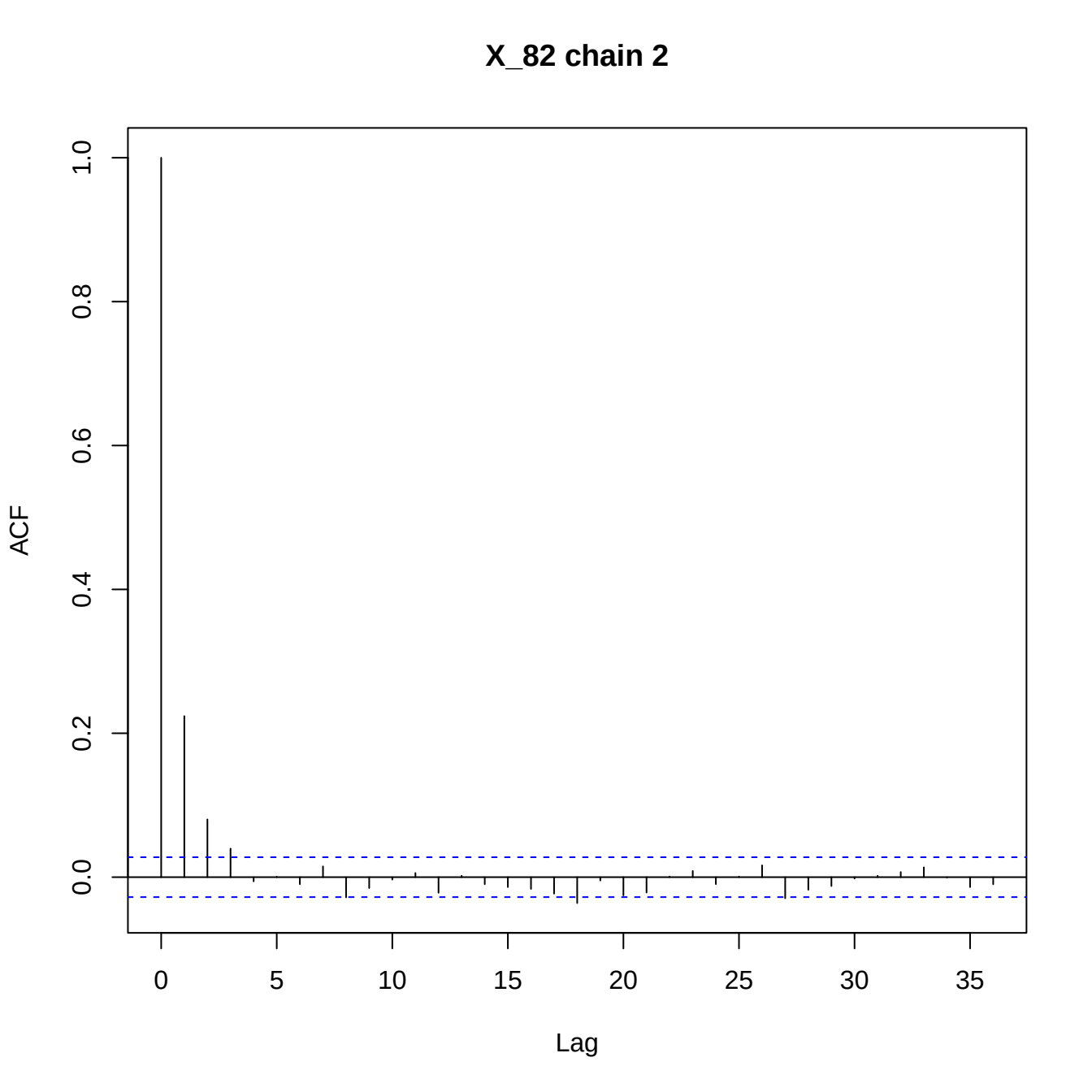
Lag


X_82 chain 2
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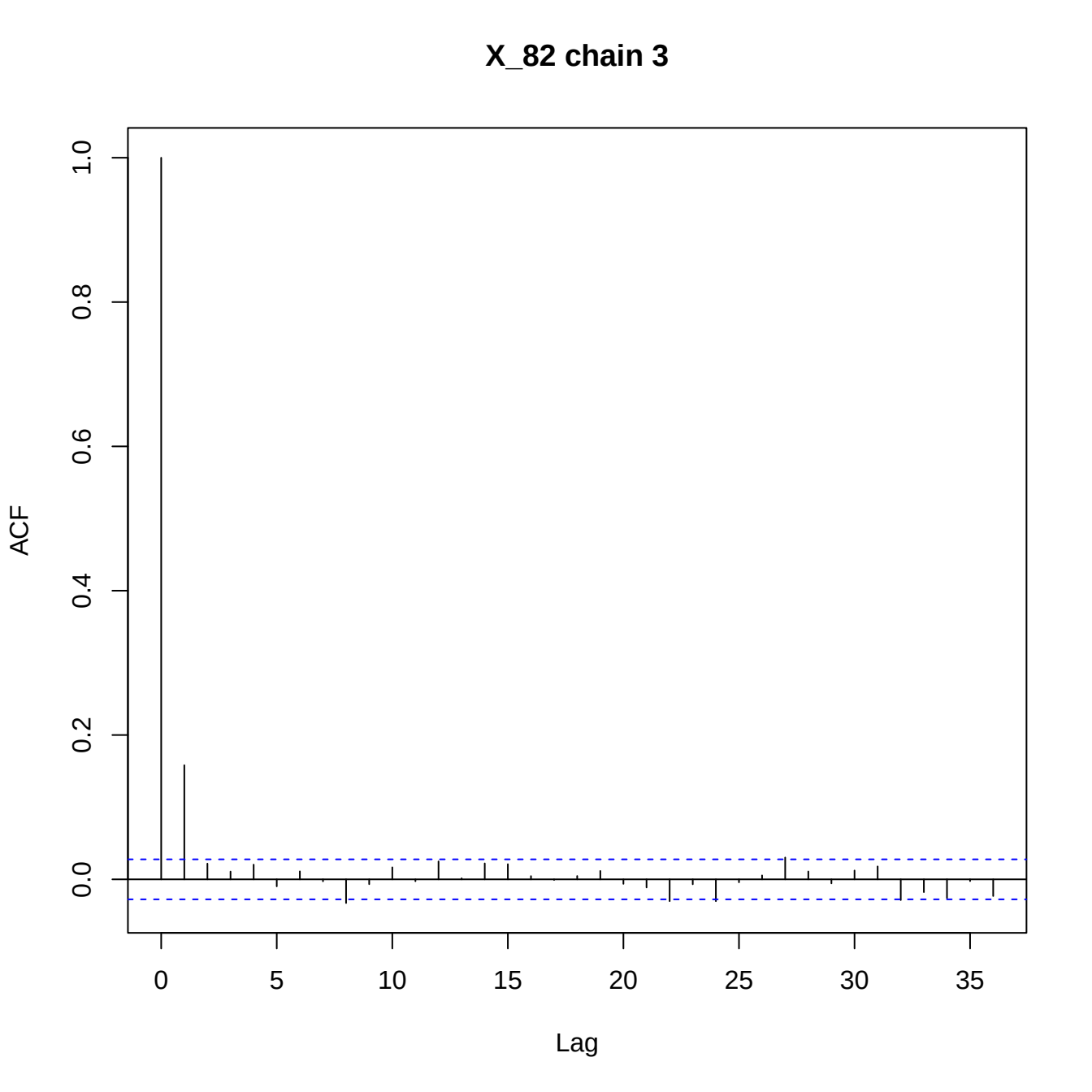
Lag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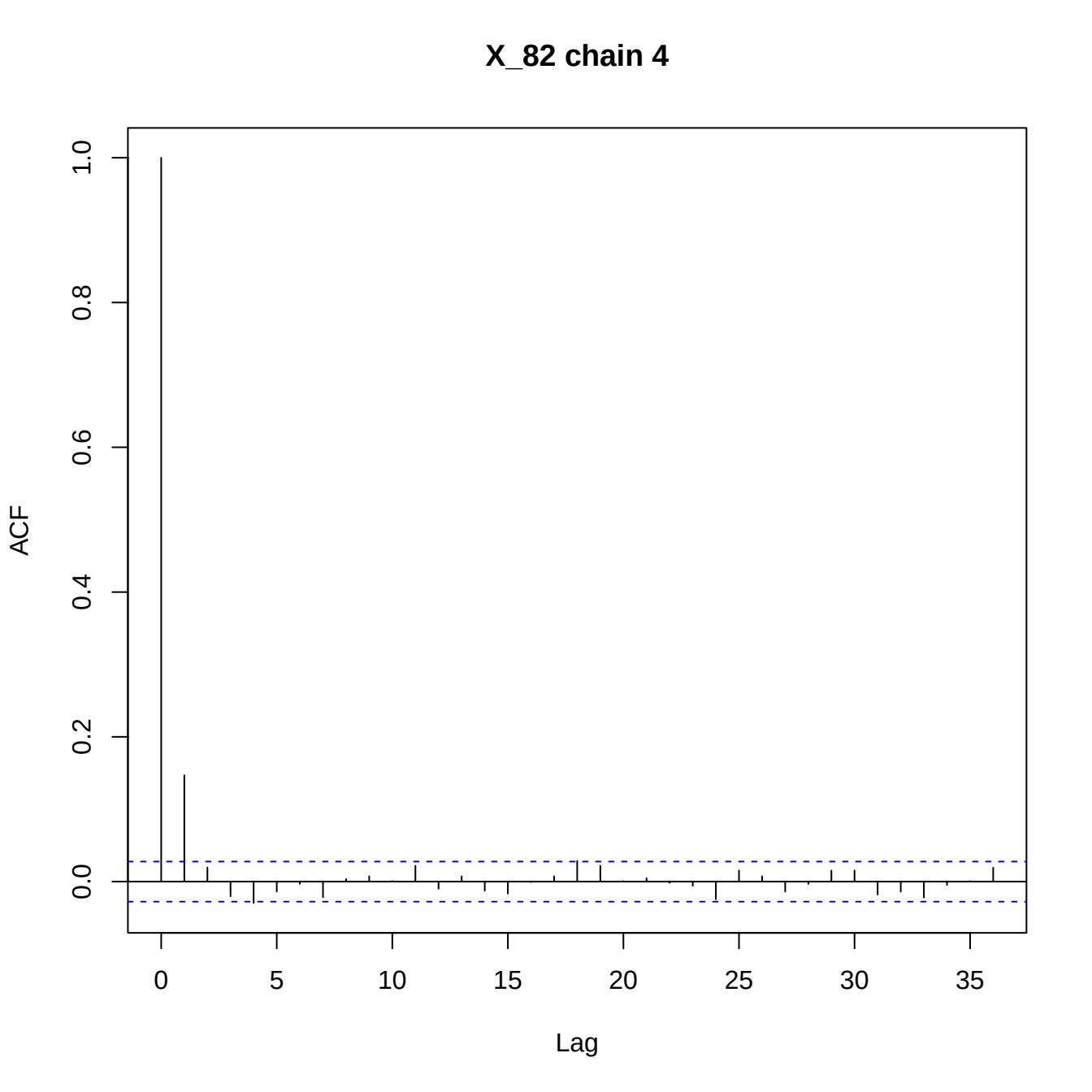
Lag


X_82 chain 4
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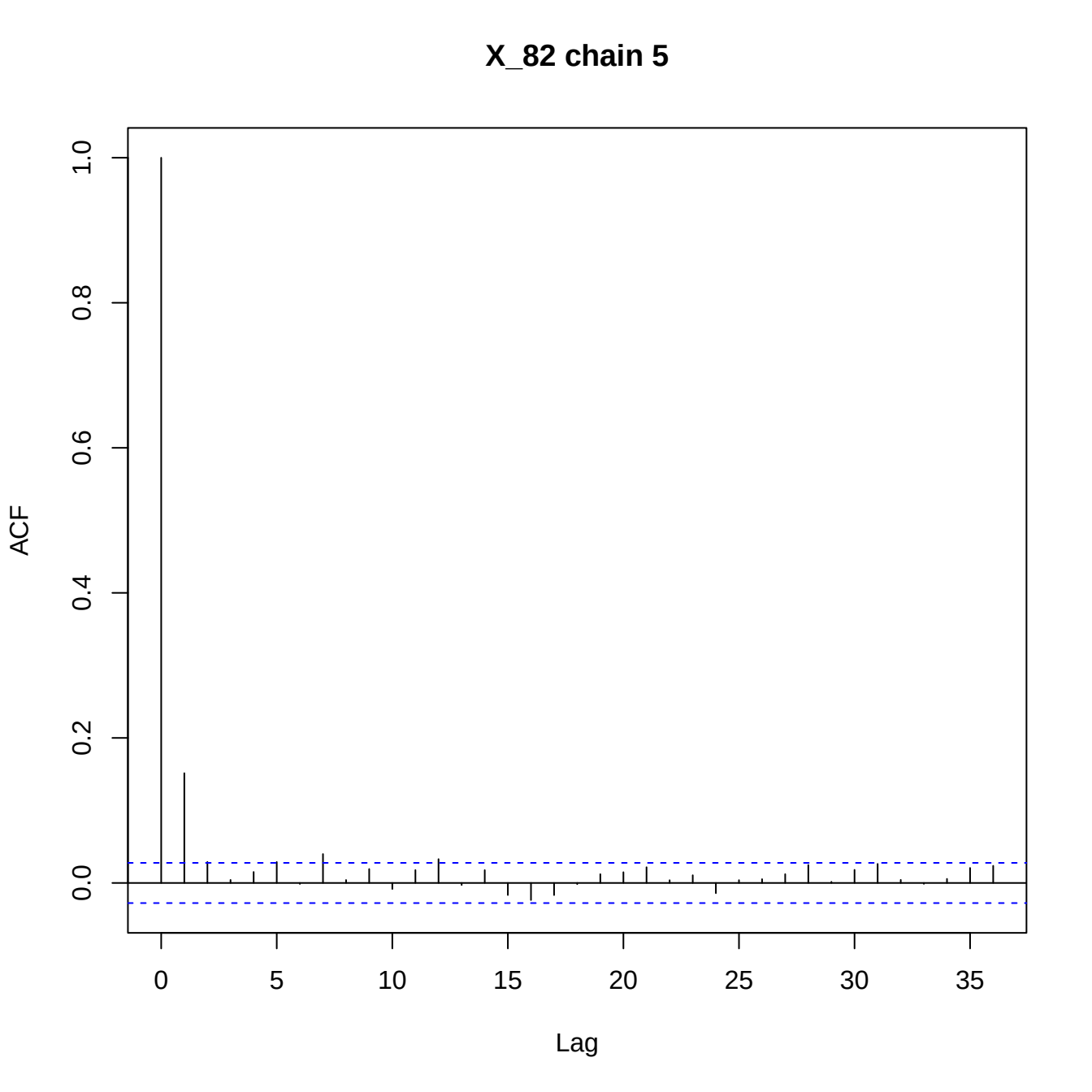
Lag


X_82 chain 5
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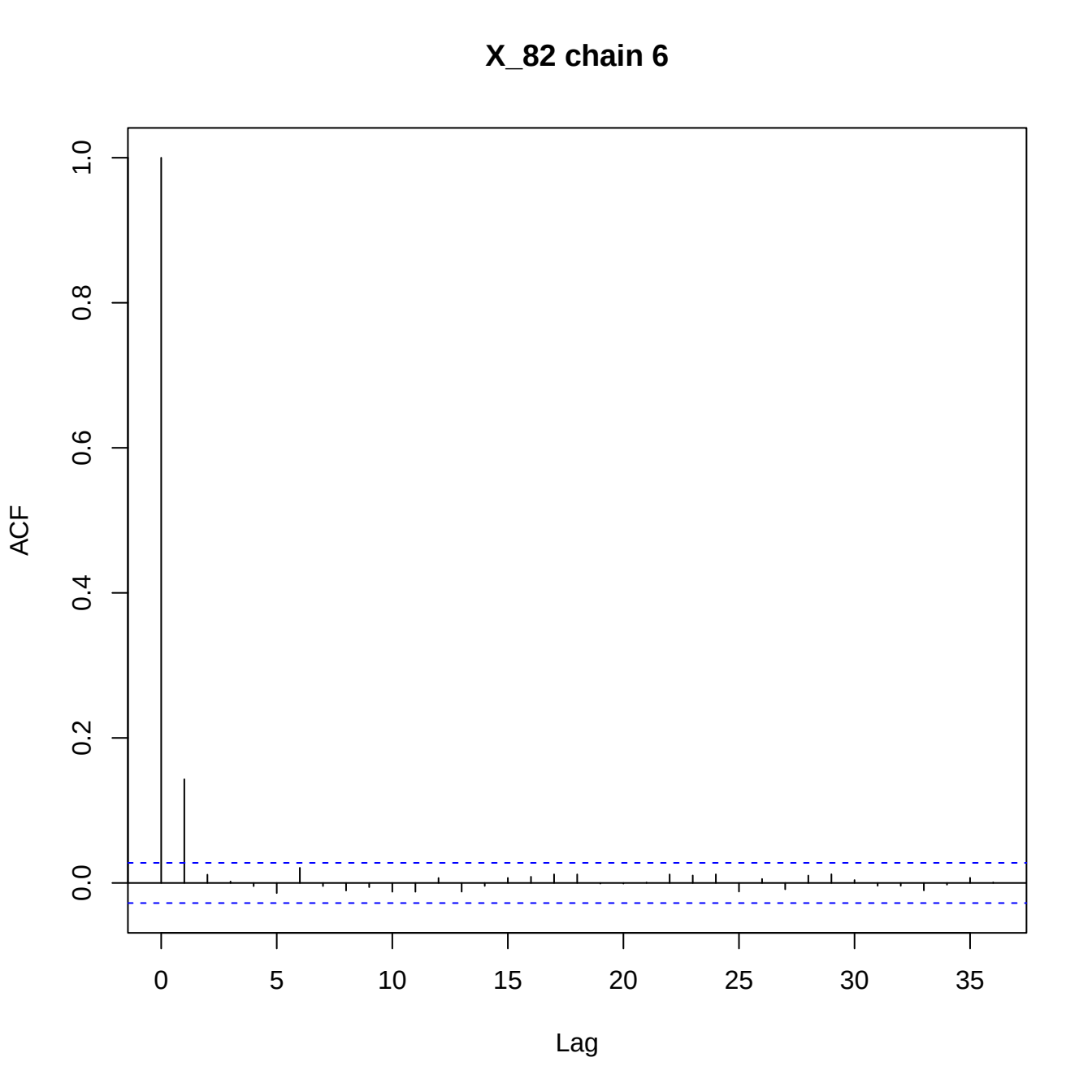
Lag


X_82 chain 6
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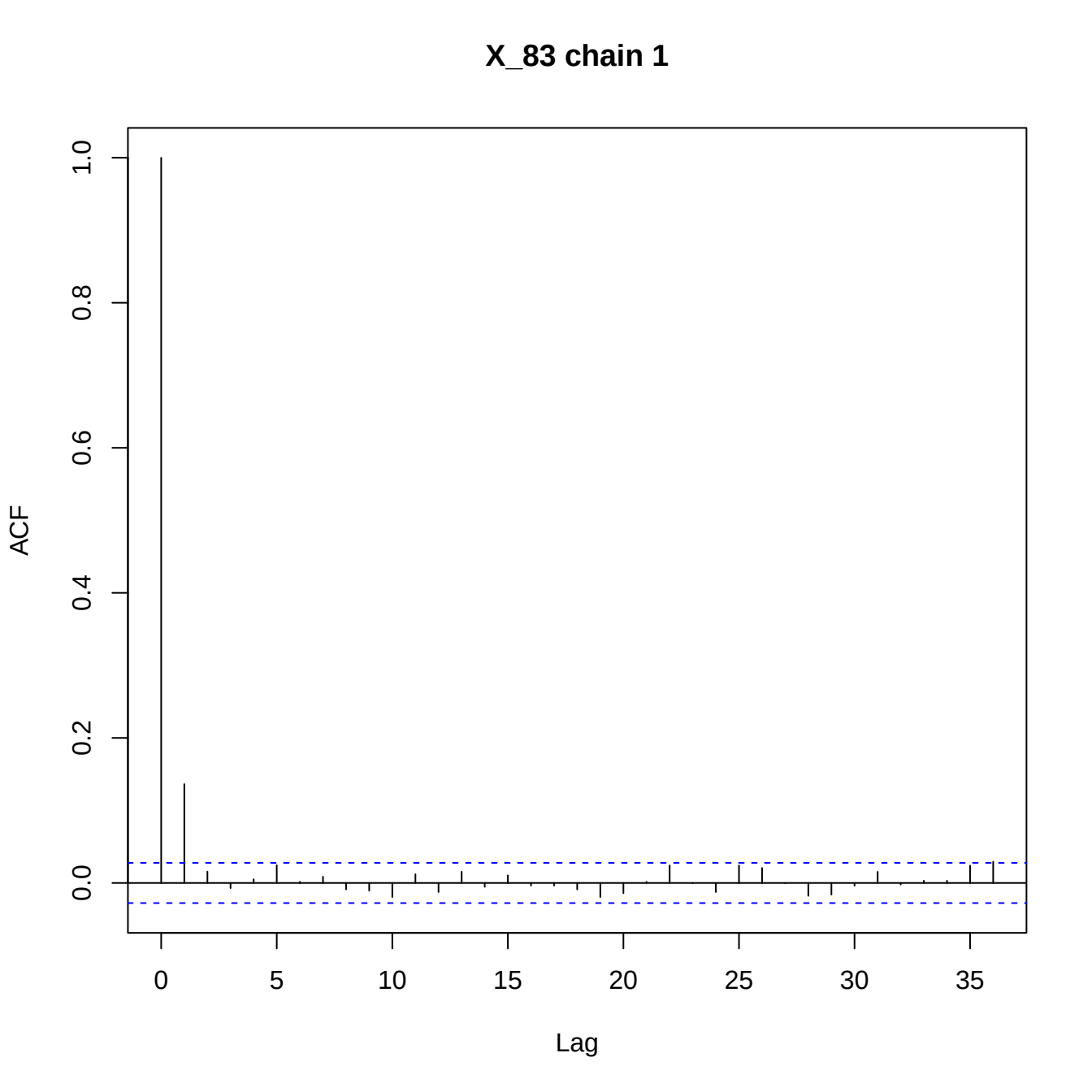
Lag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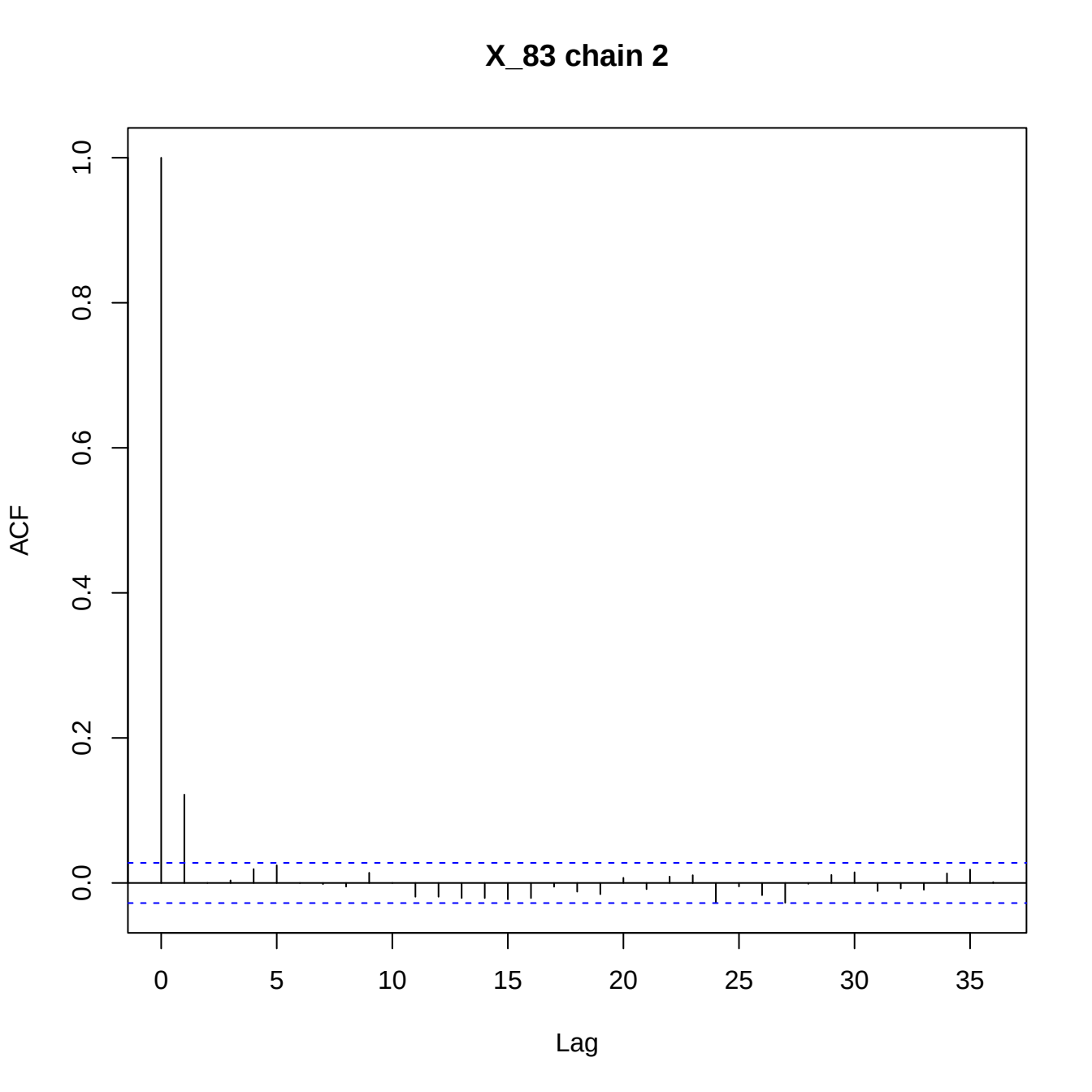
Lag


X_83 chain 2
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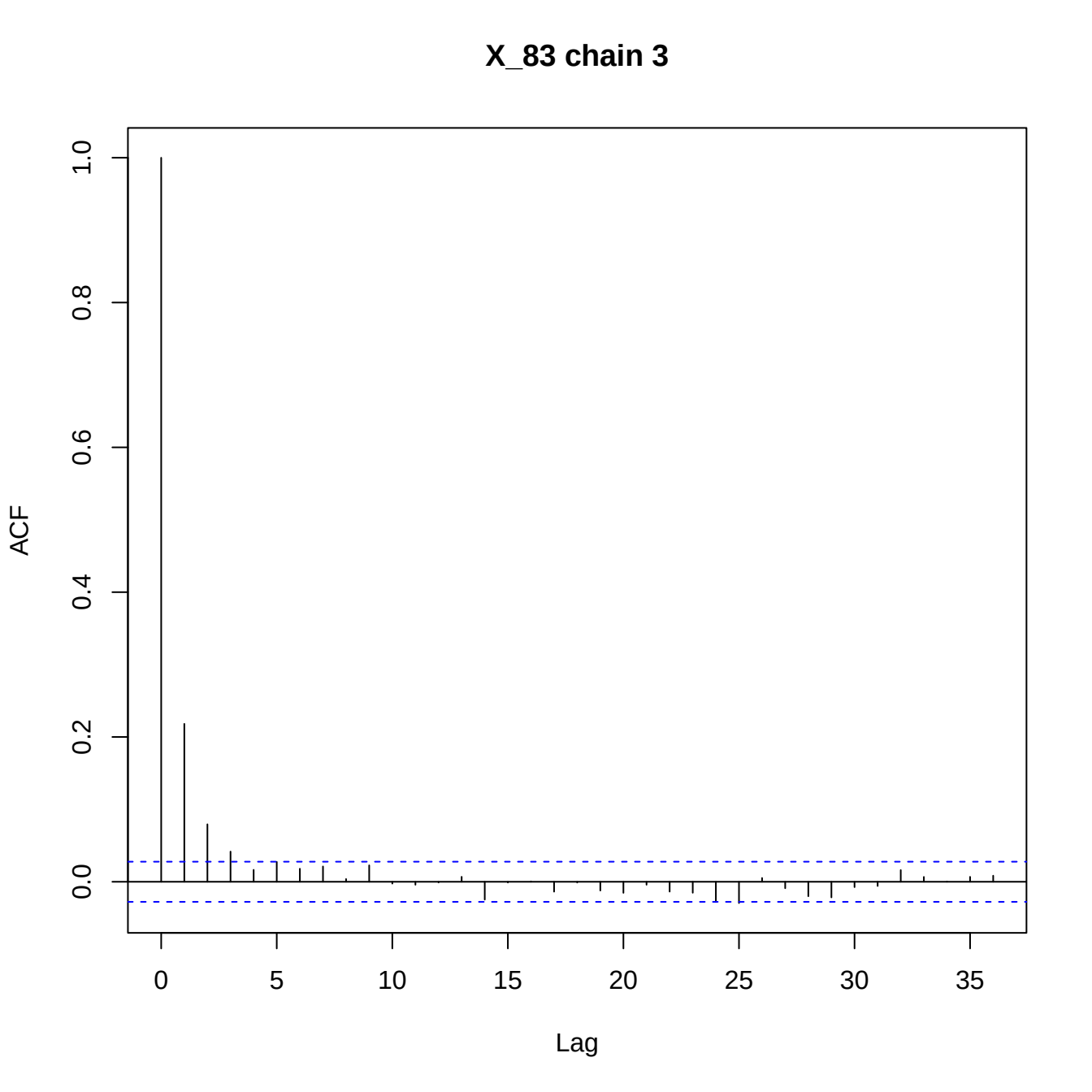
Lag


X_83 chain 3
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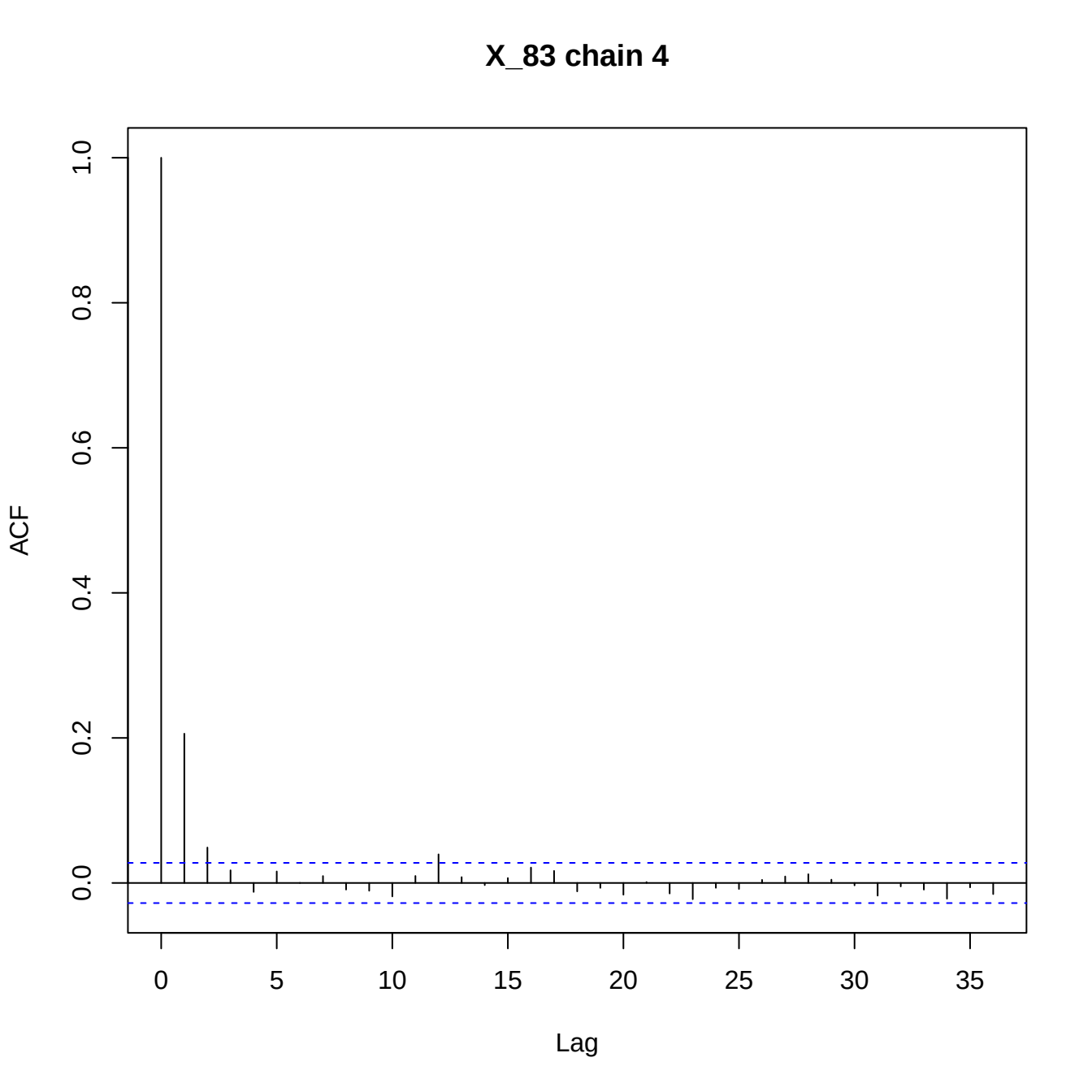
X_83 chain 4
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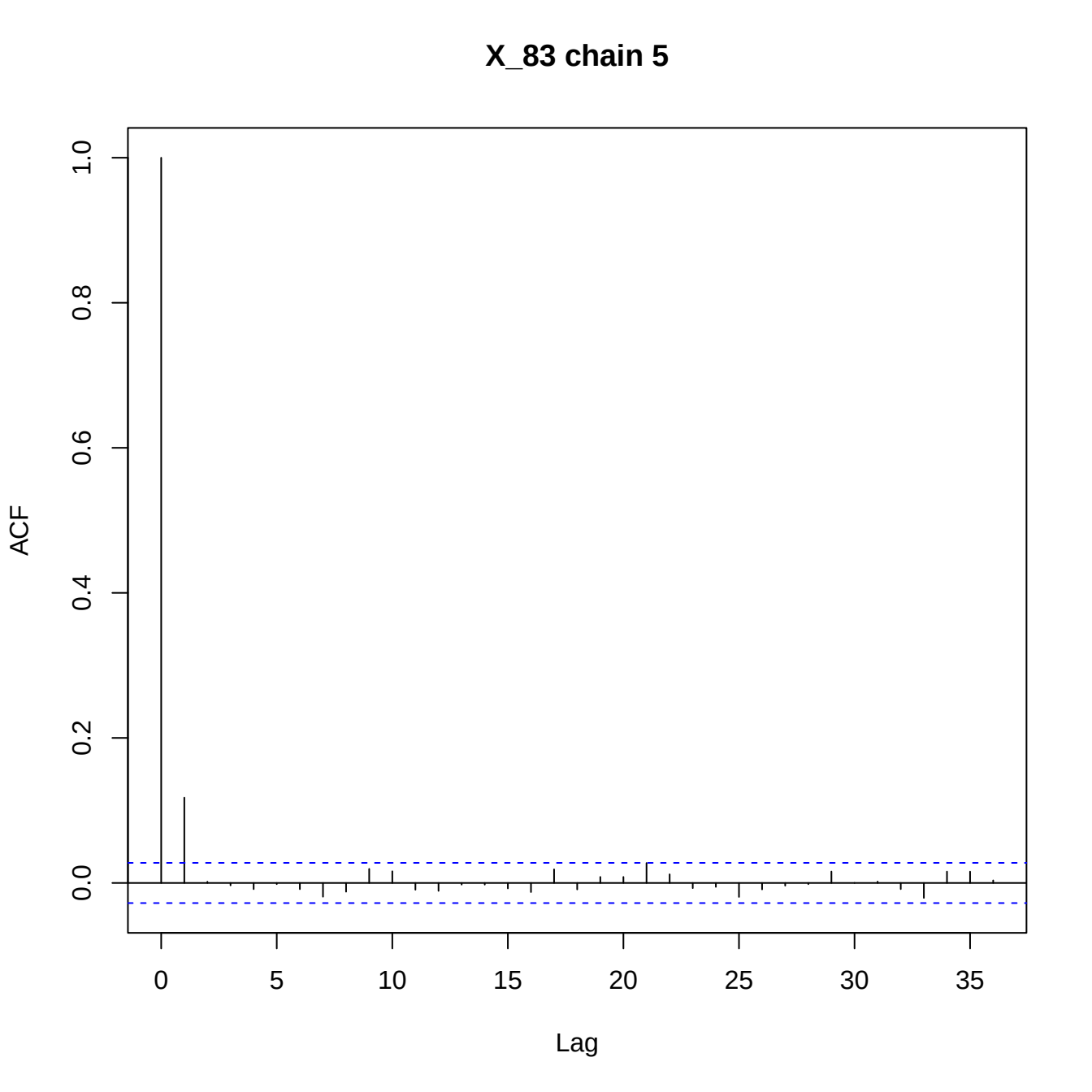
Lag


X_83 chain 5
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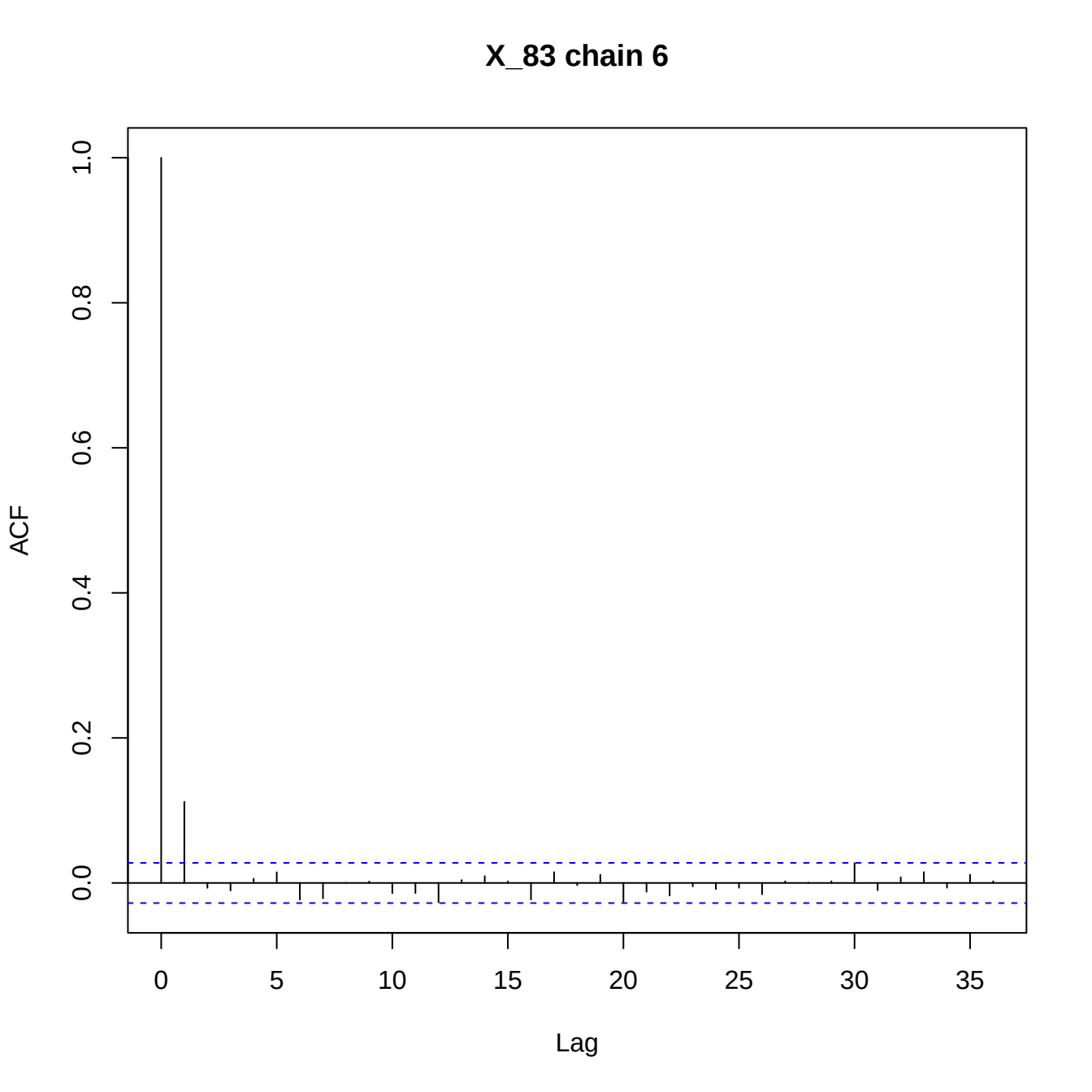
Lag


X_83 chain 6
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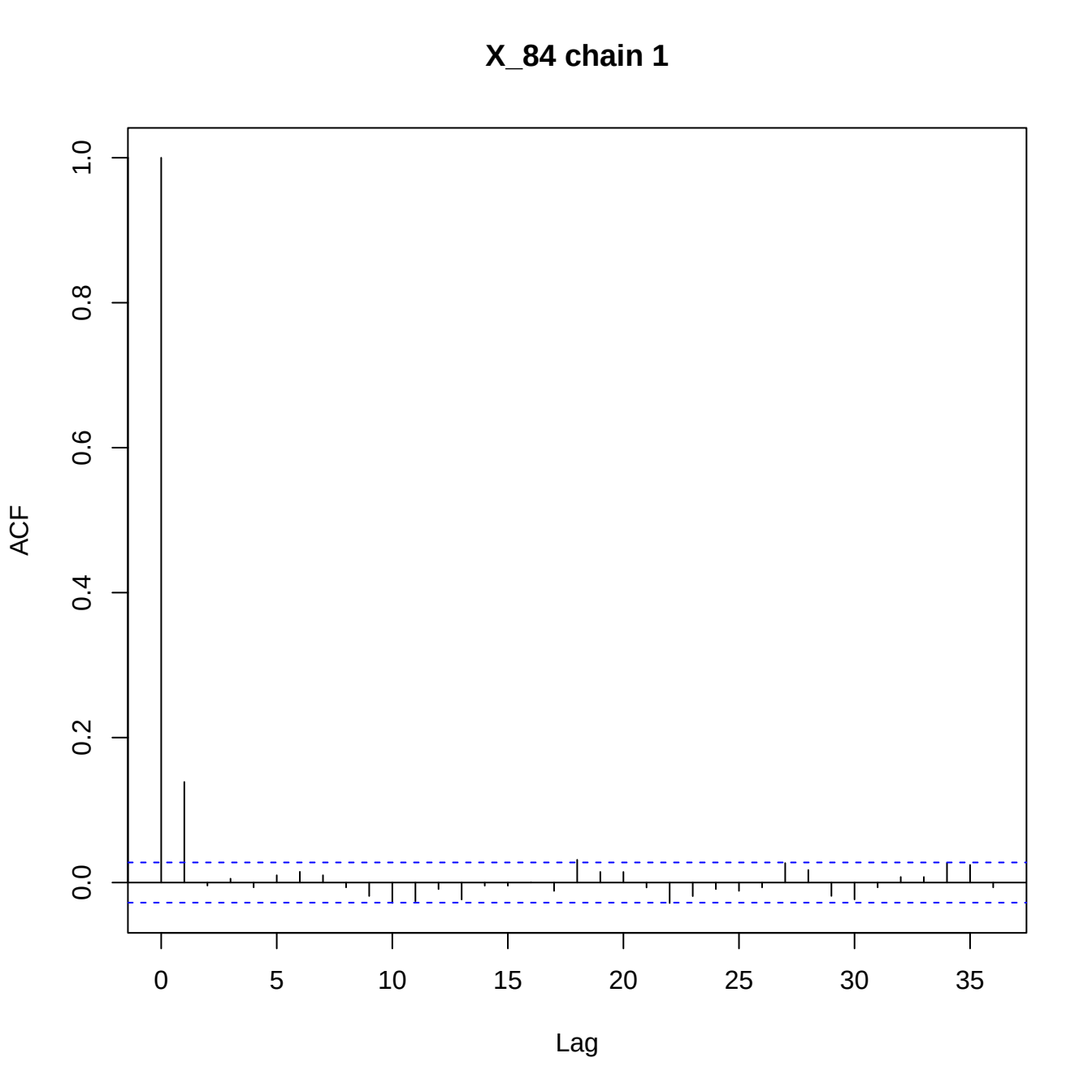
Lag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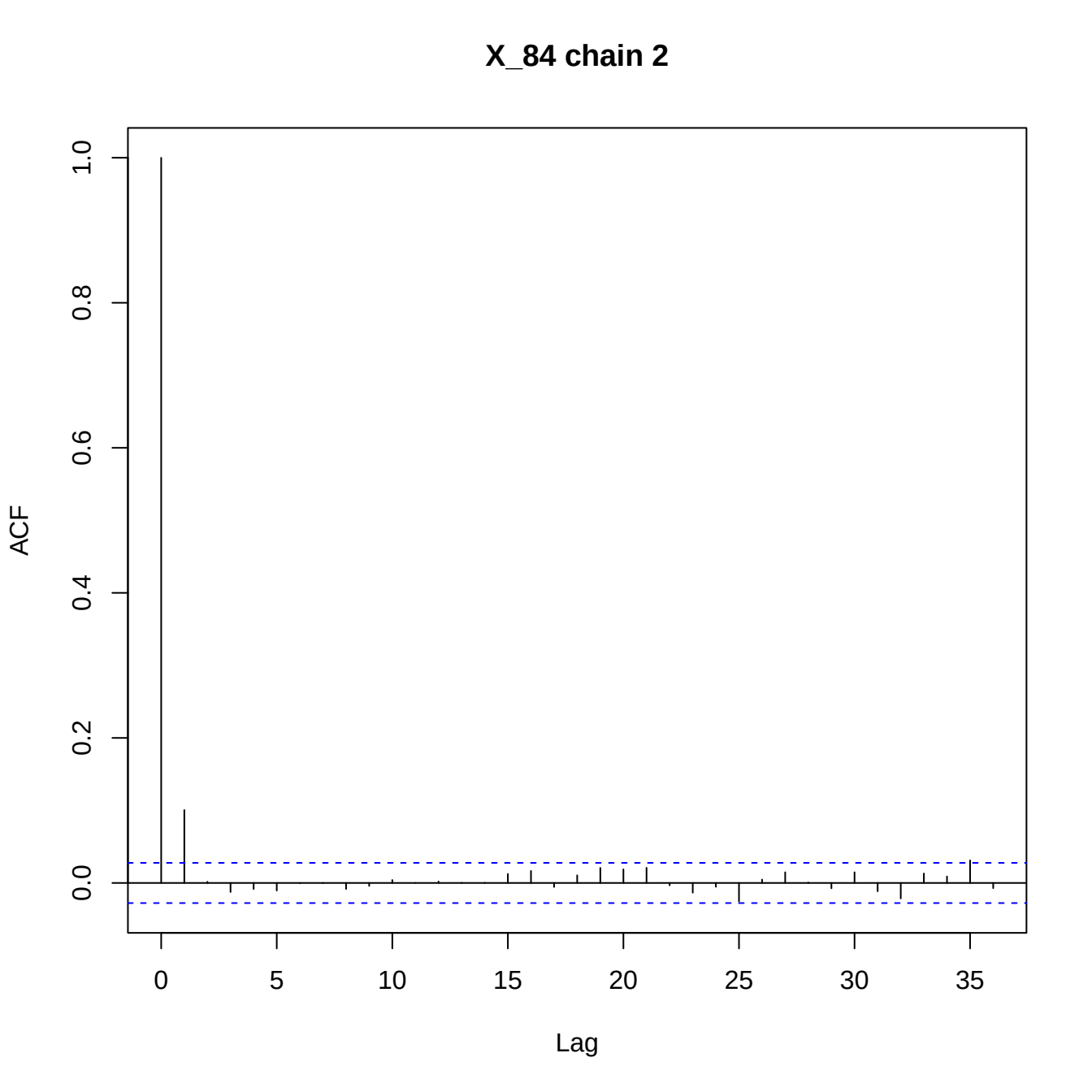
Lag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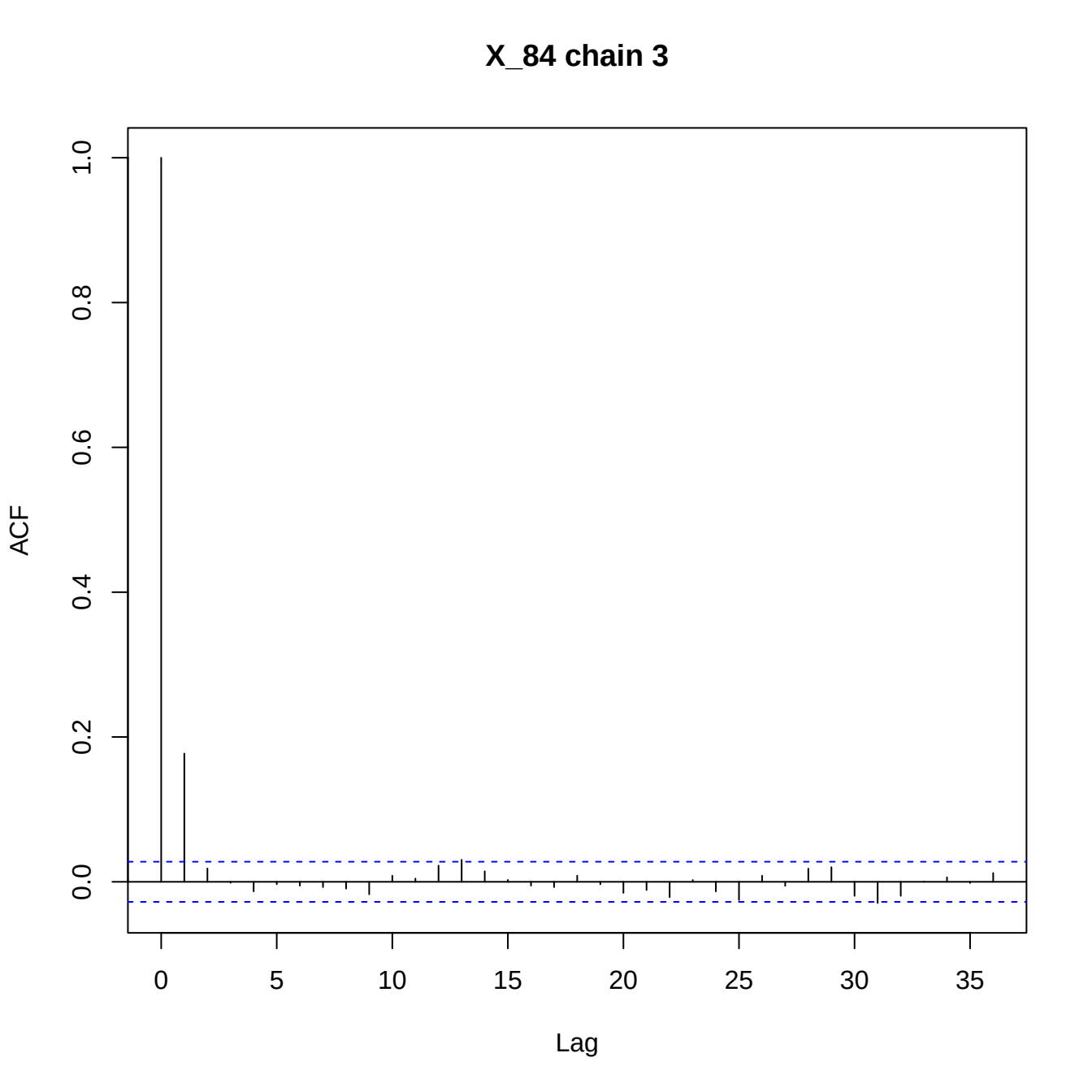
Lag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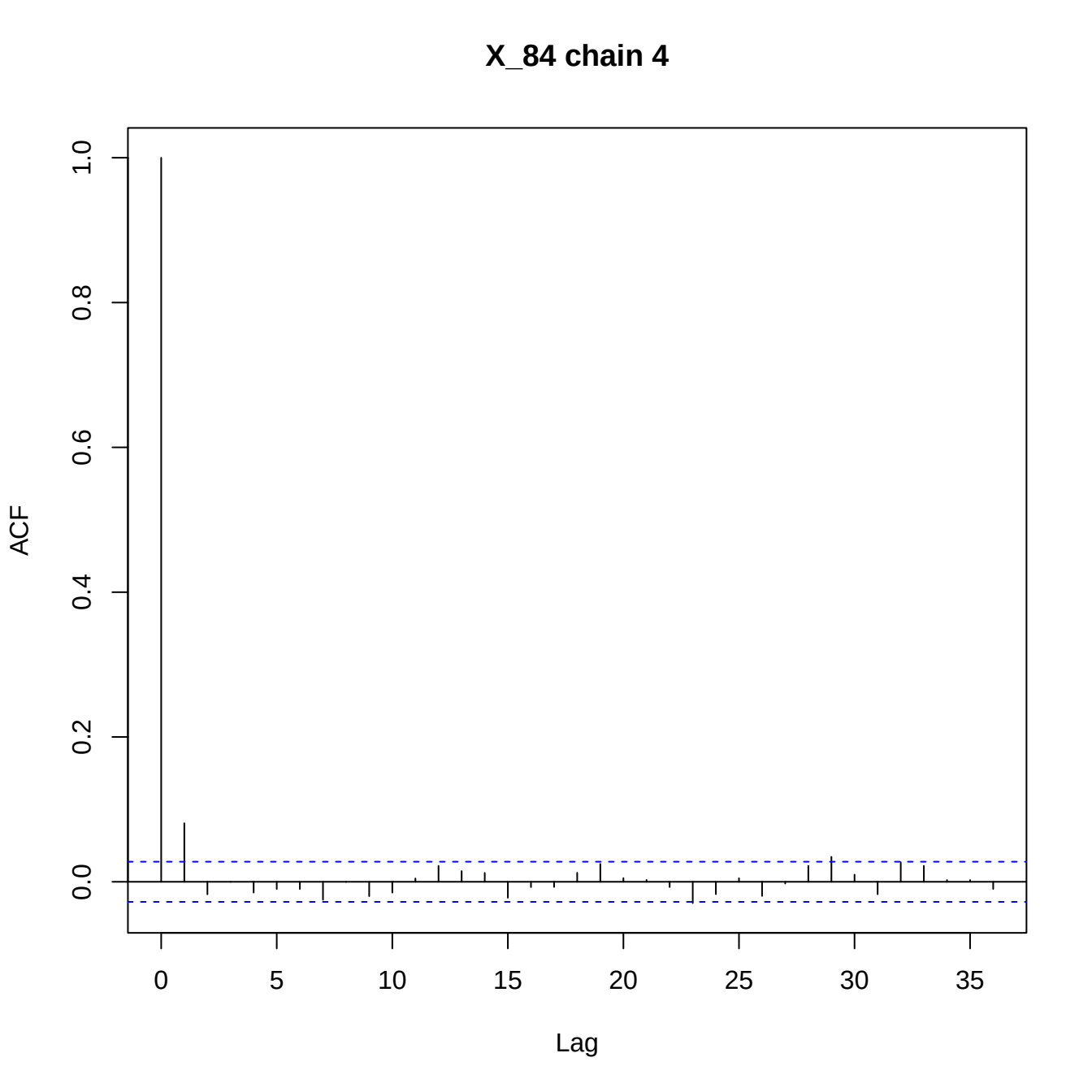
Lag


X_84 chain 4
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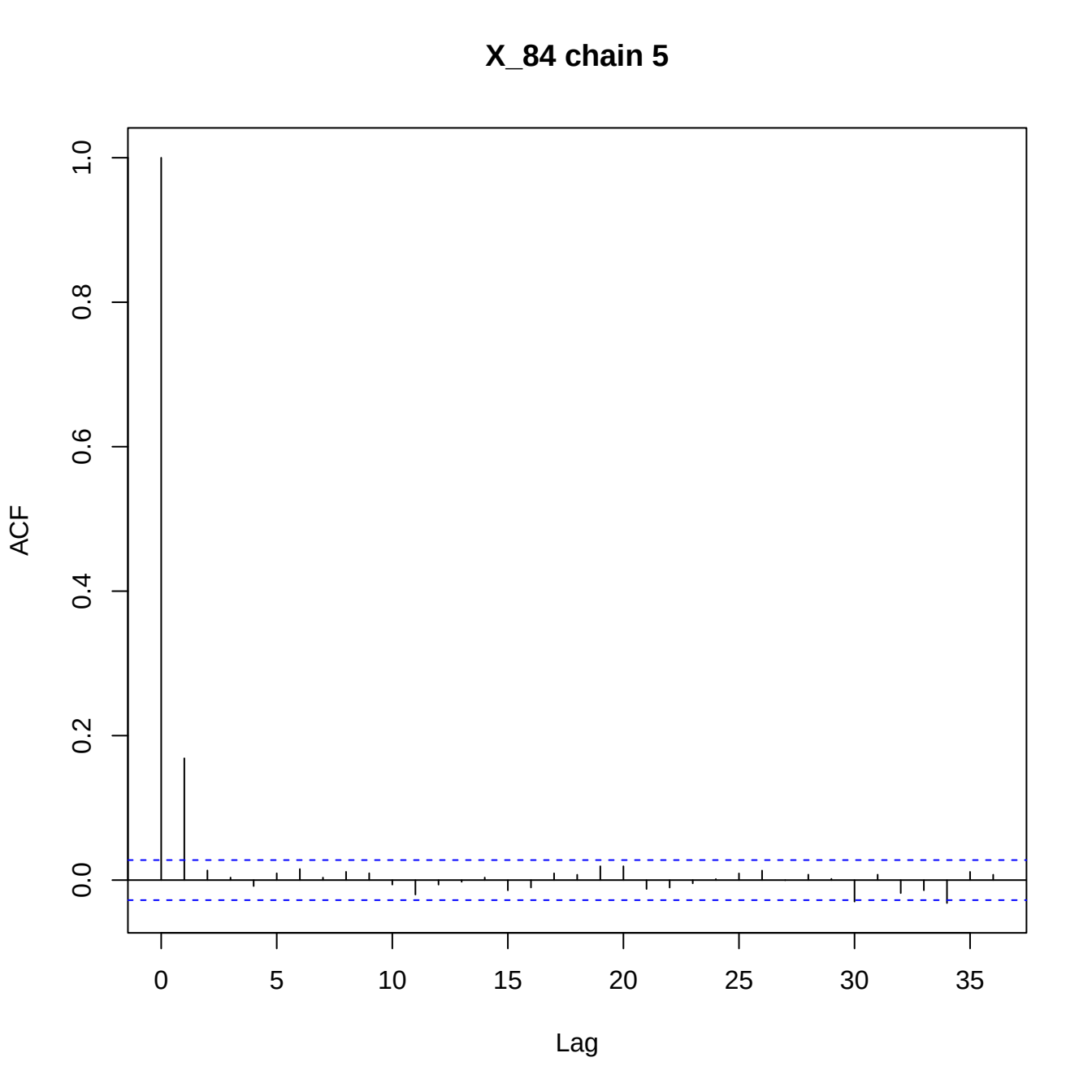
Lag


X_84 chain 5
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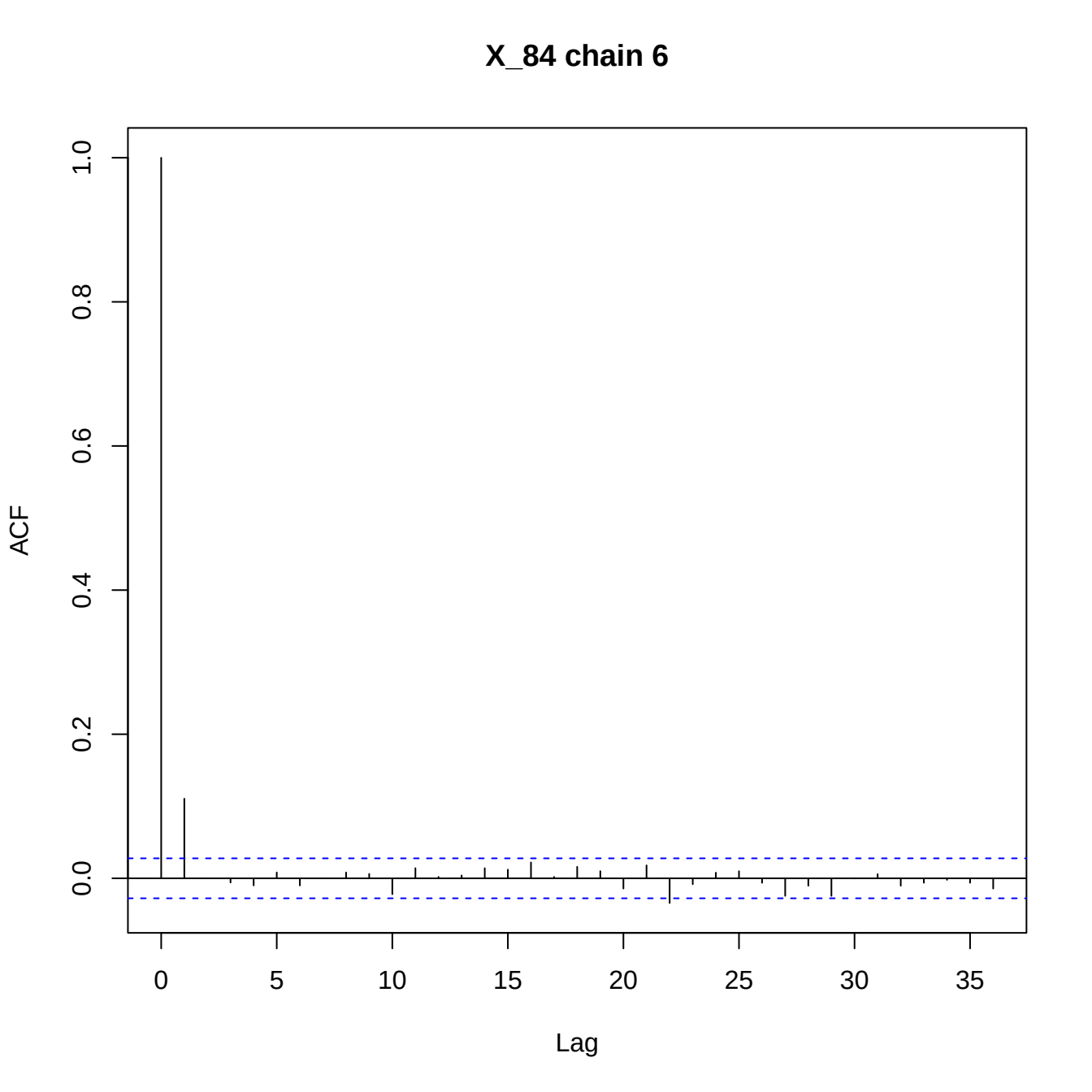
Lag


X_84 chain 6
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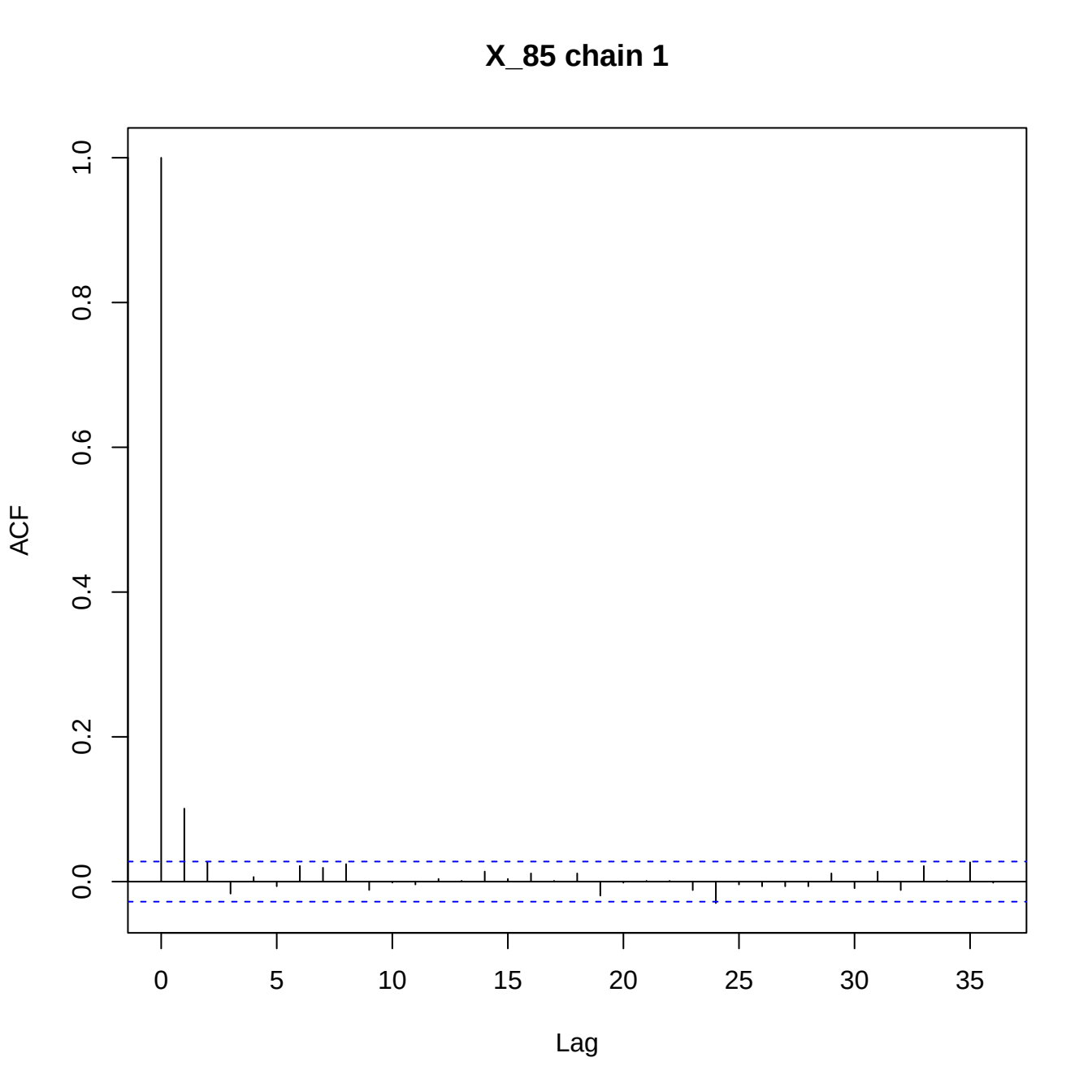
Lag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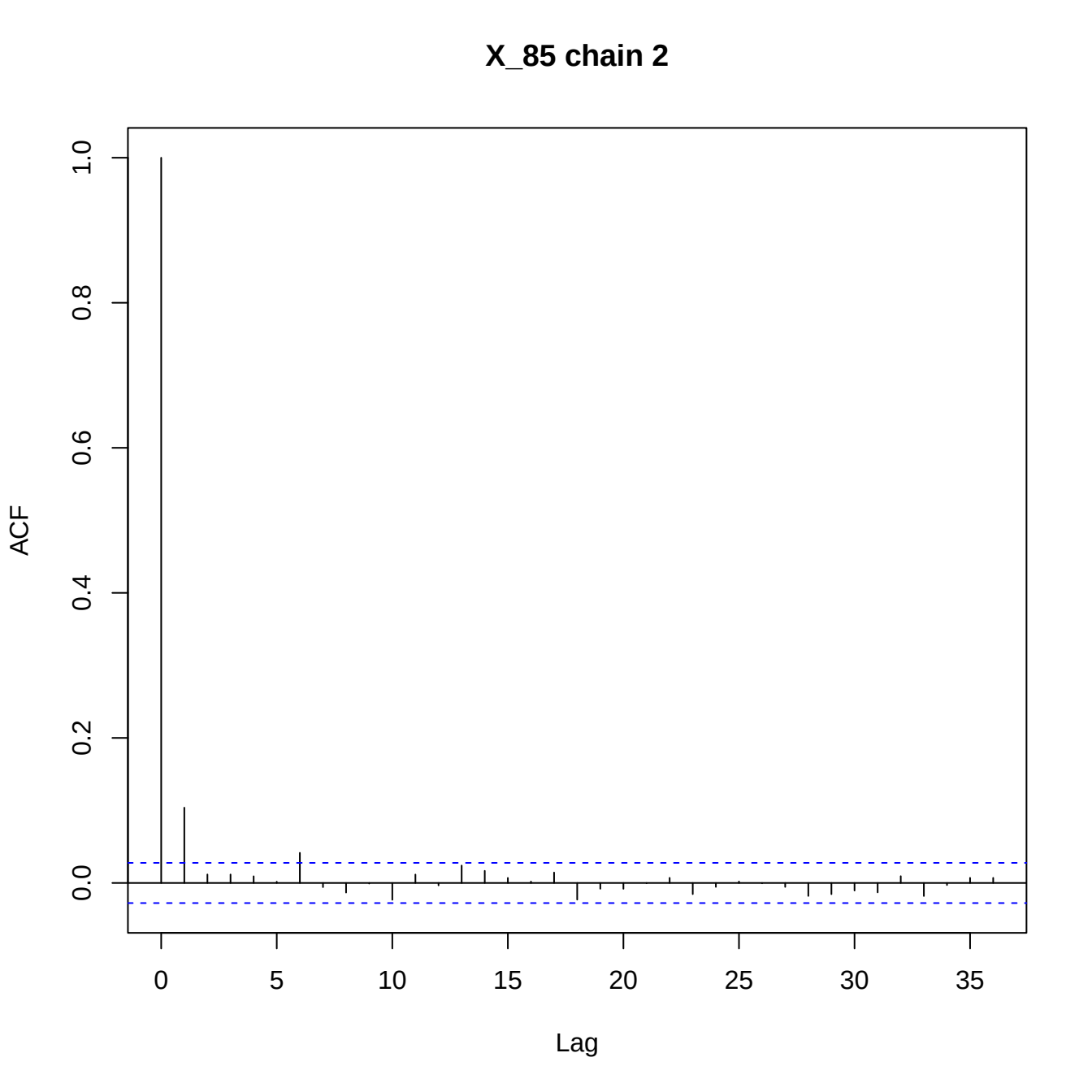
Lag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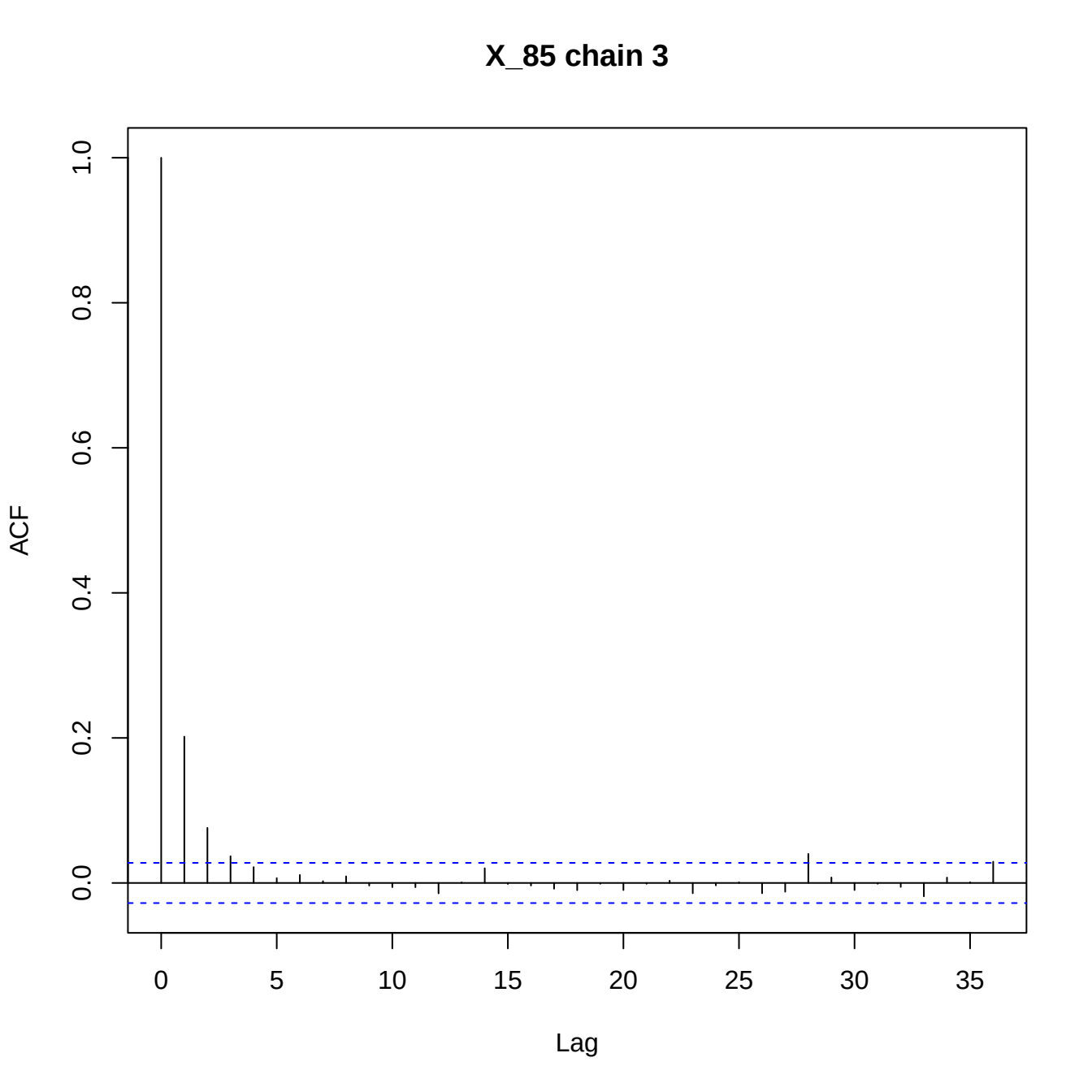
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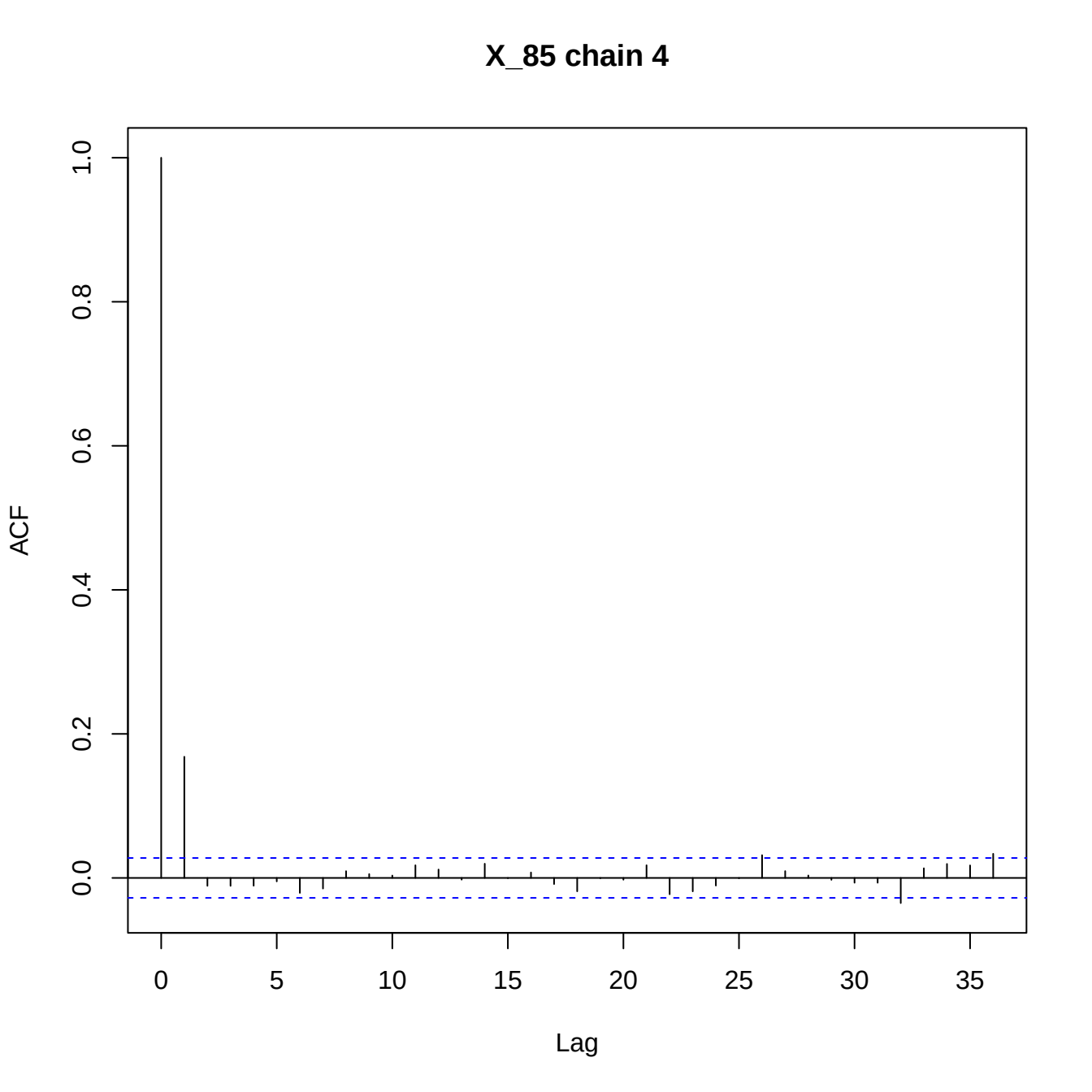
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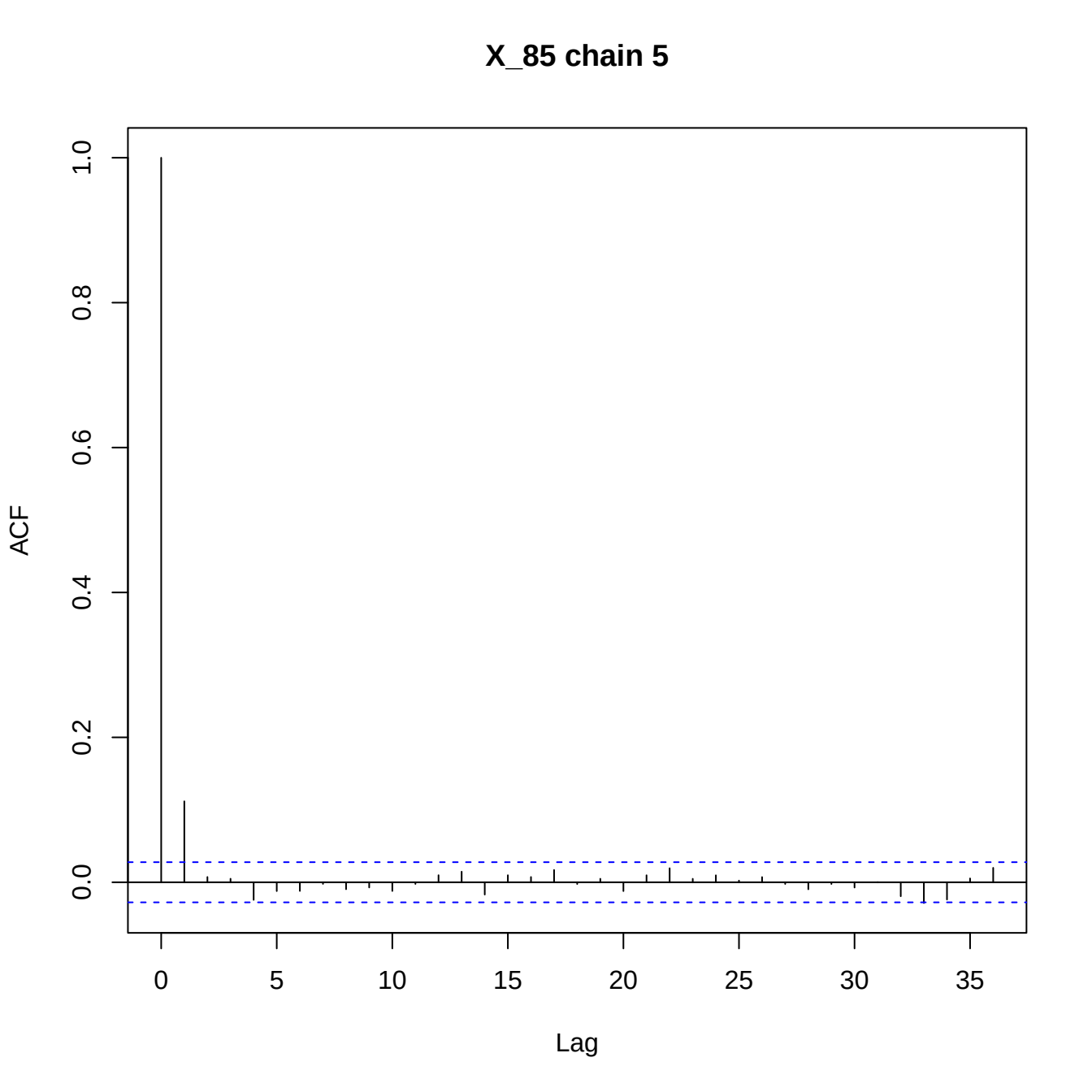
Lag


X_85 chain 5
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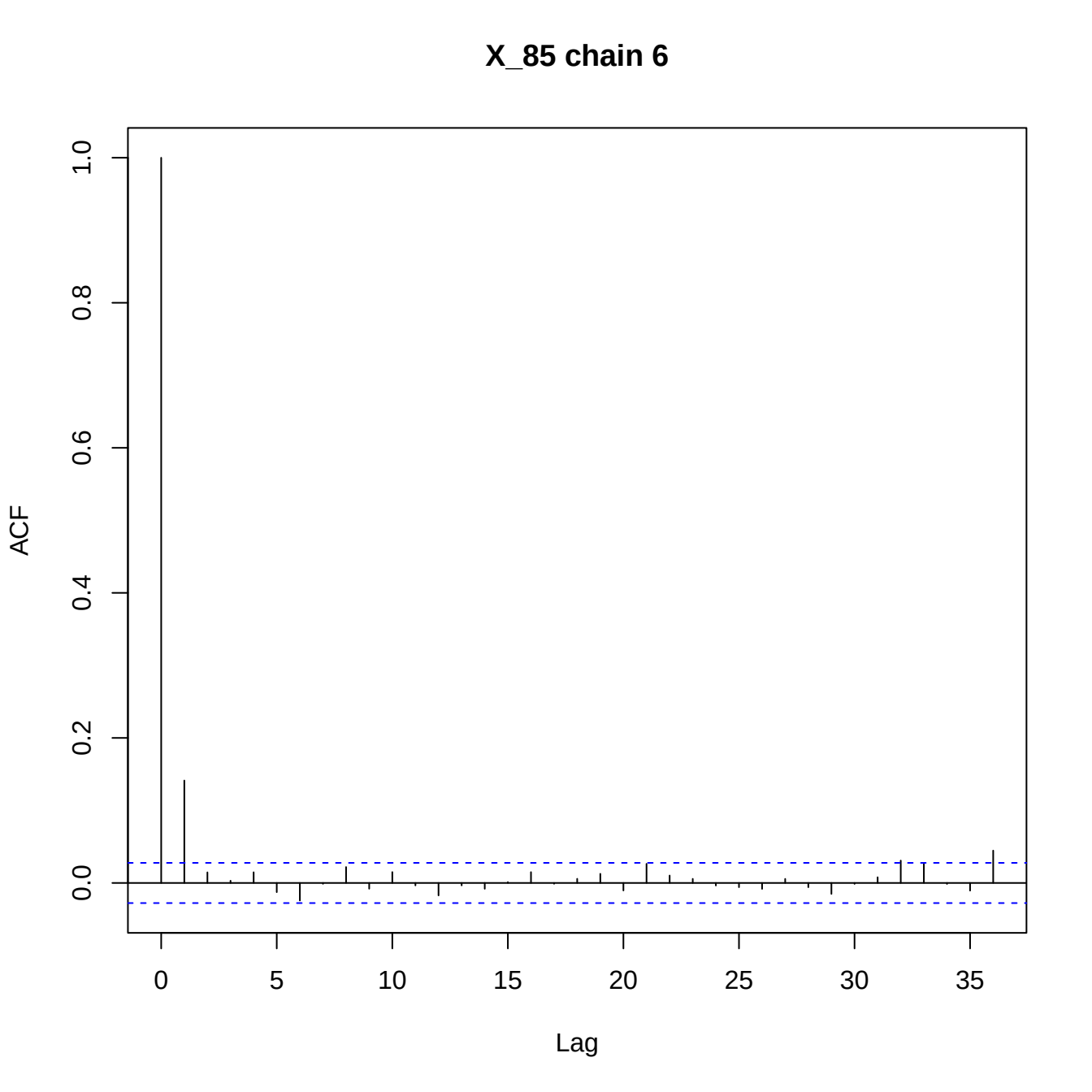
Lag


X_85 chain 6
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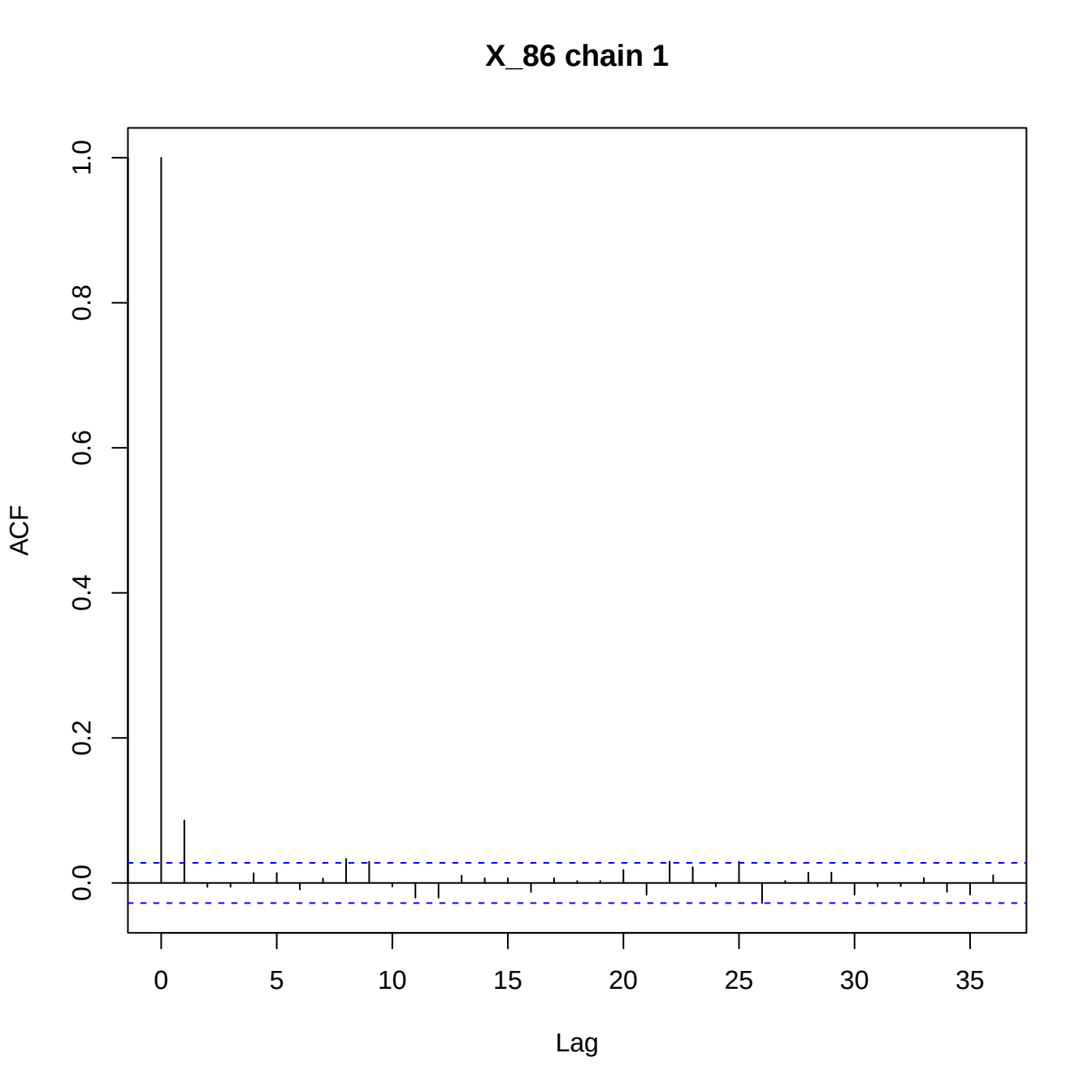
Lag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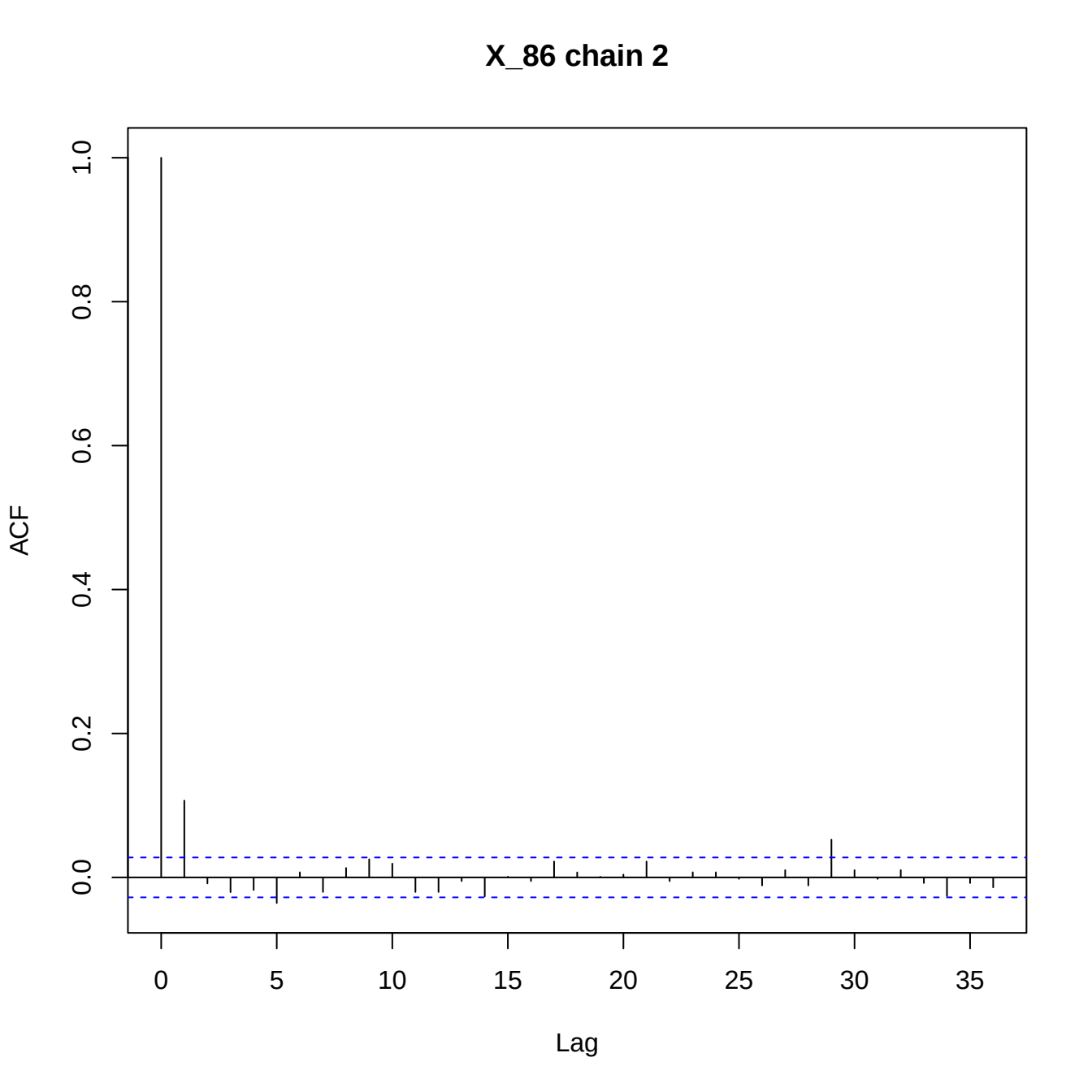
Lag


X_86 chain 2
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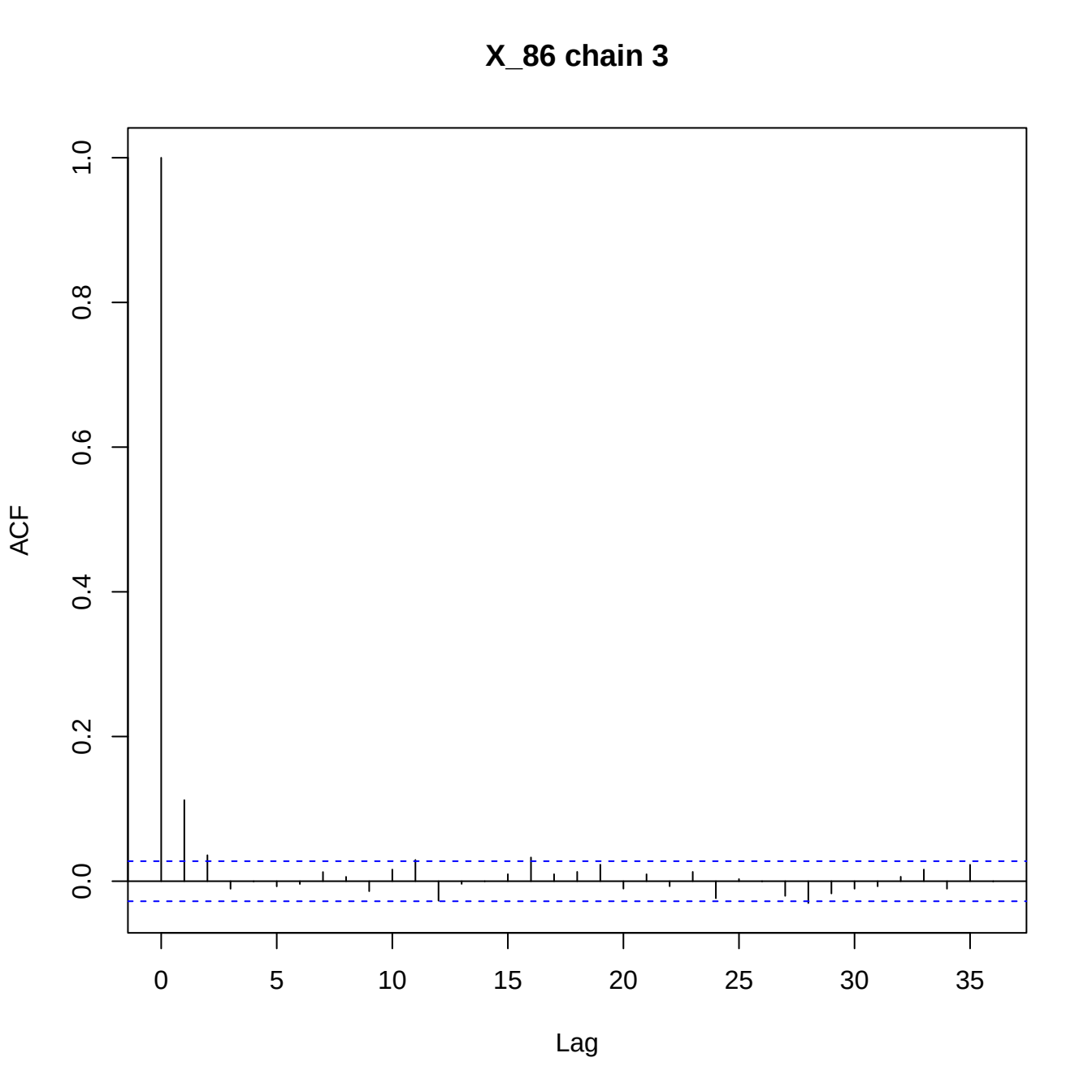
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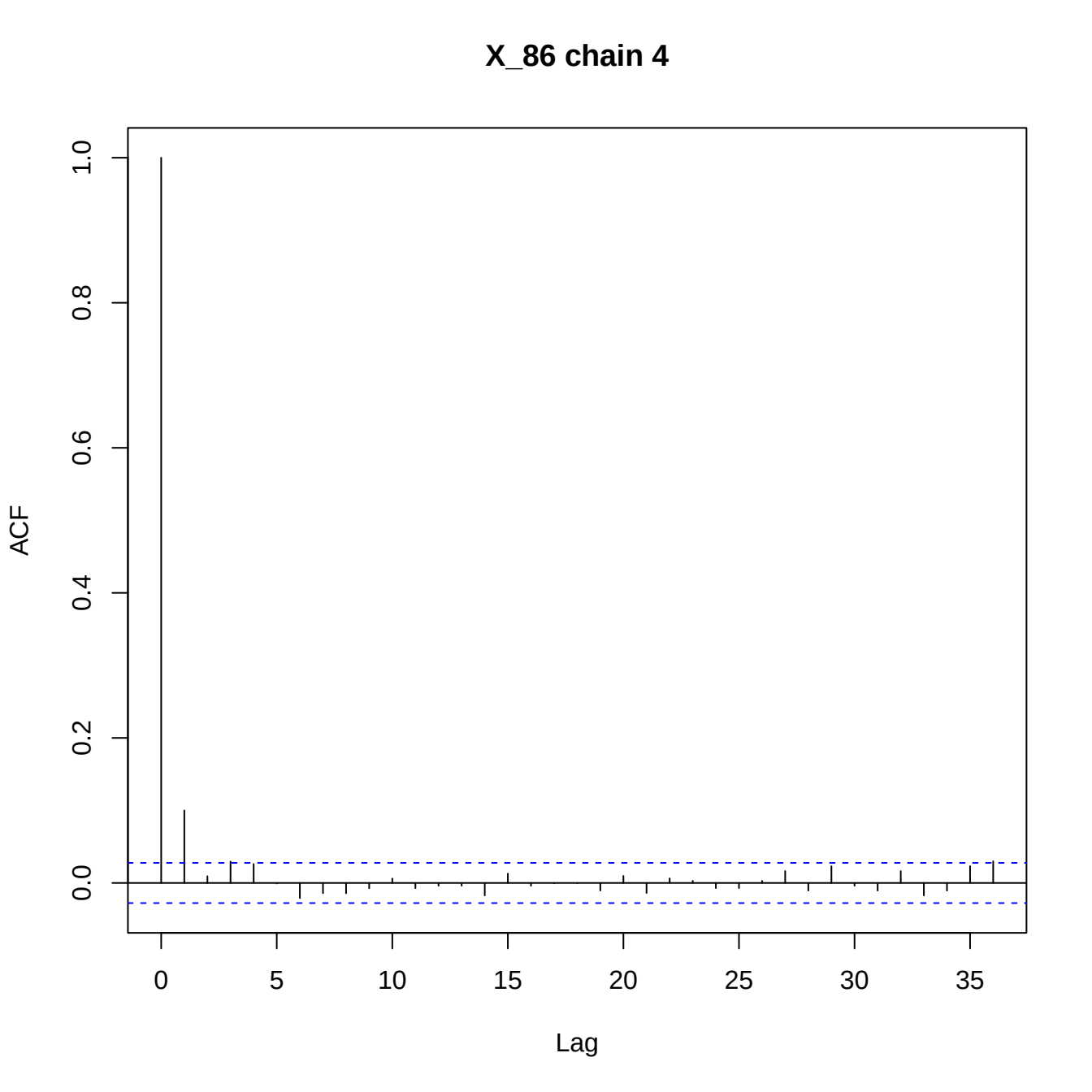
Lag


X_86 chain 4
ACF
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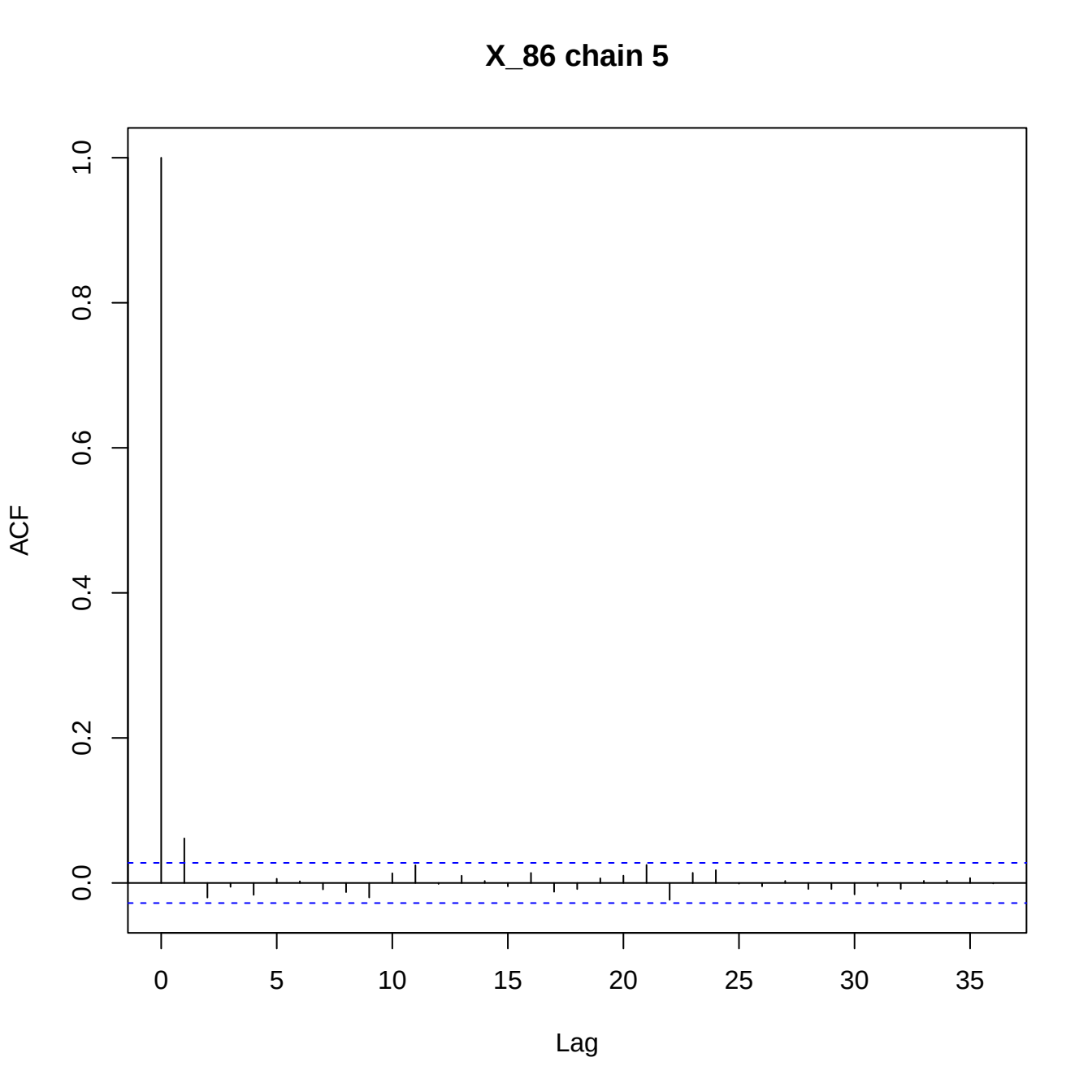
Lag


X_86 chain 5
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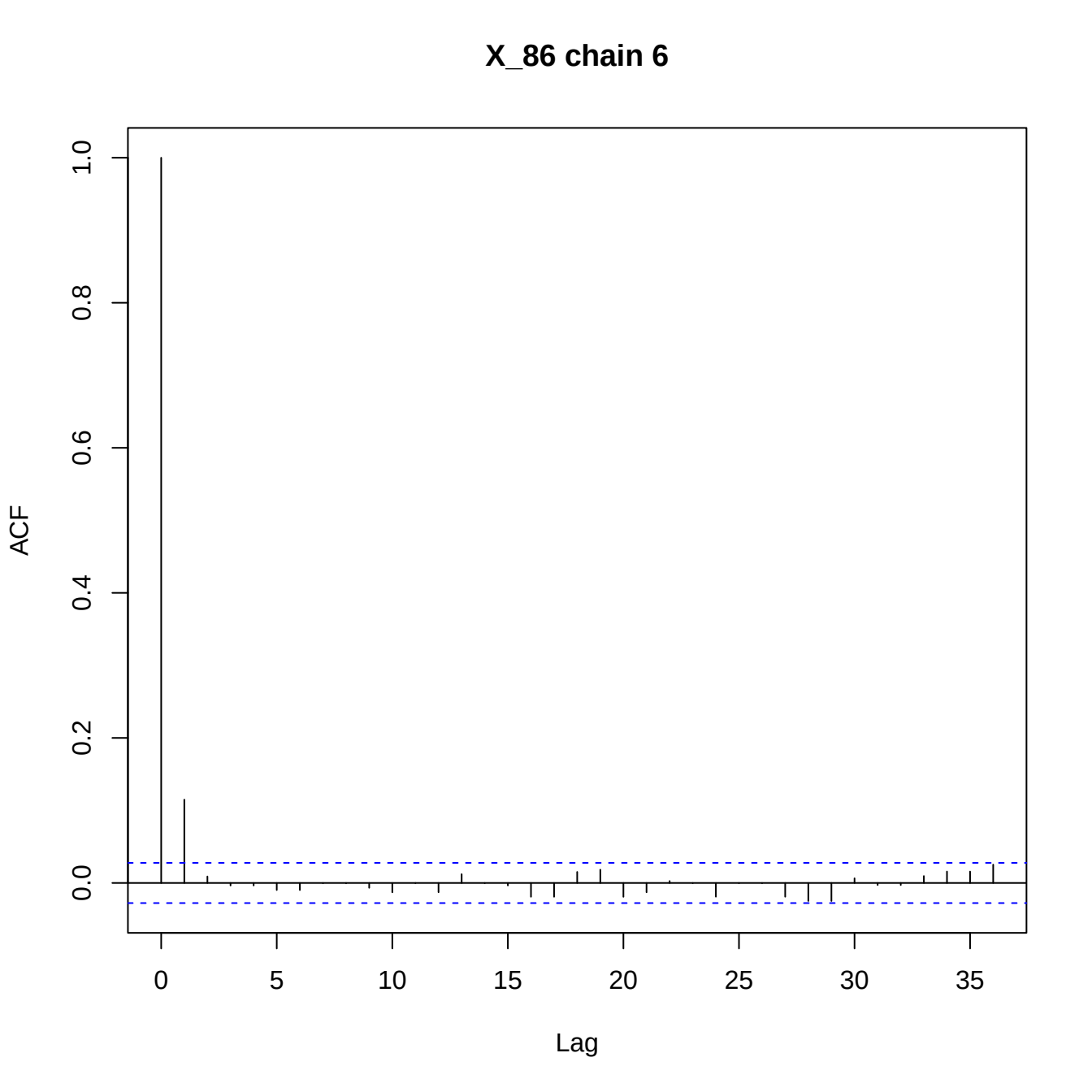
Lag


X_86 chain 6
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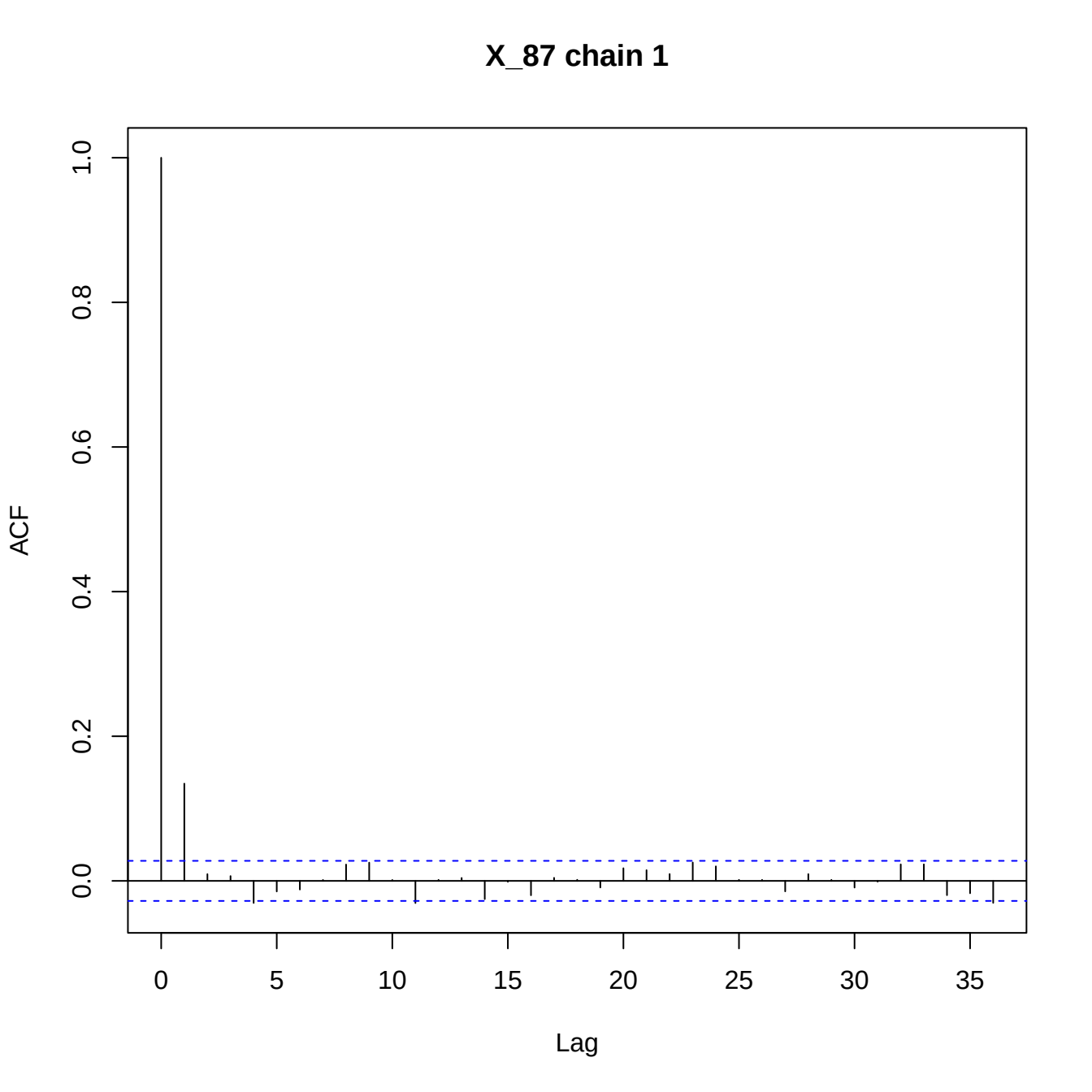
Lag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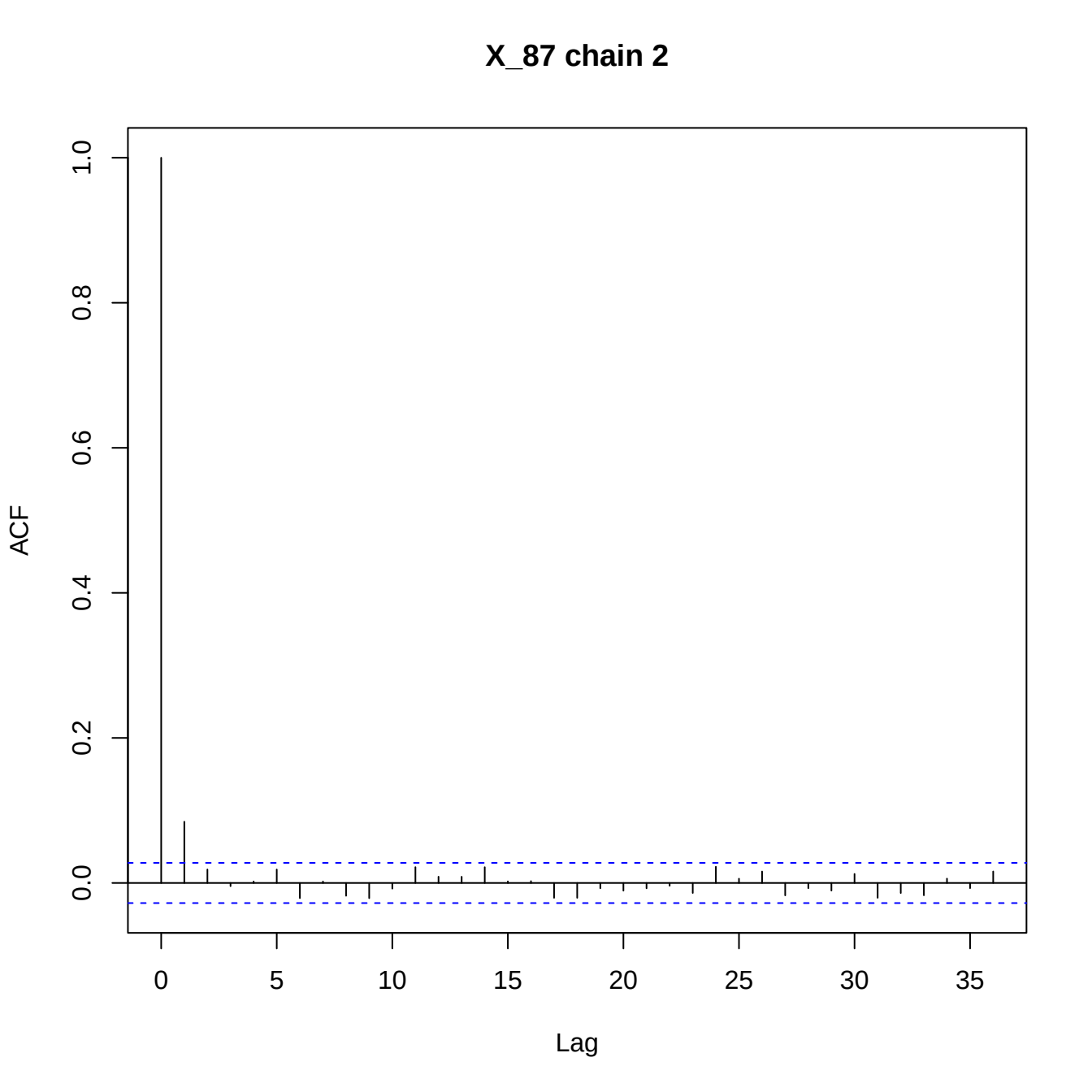
X_87 chain 2
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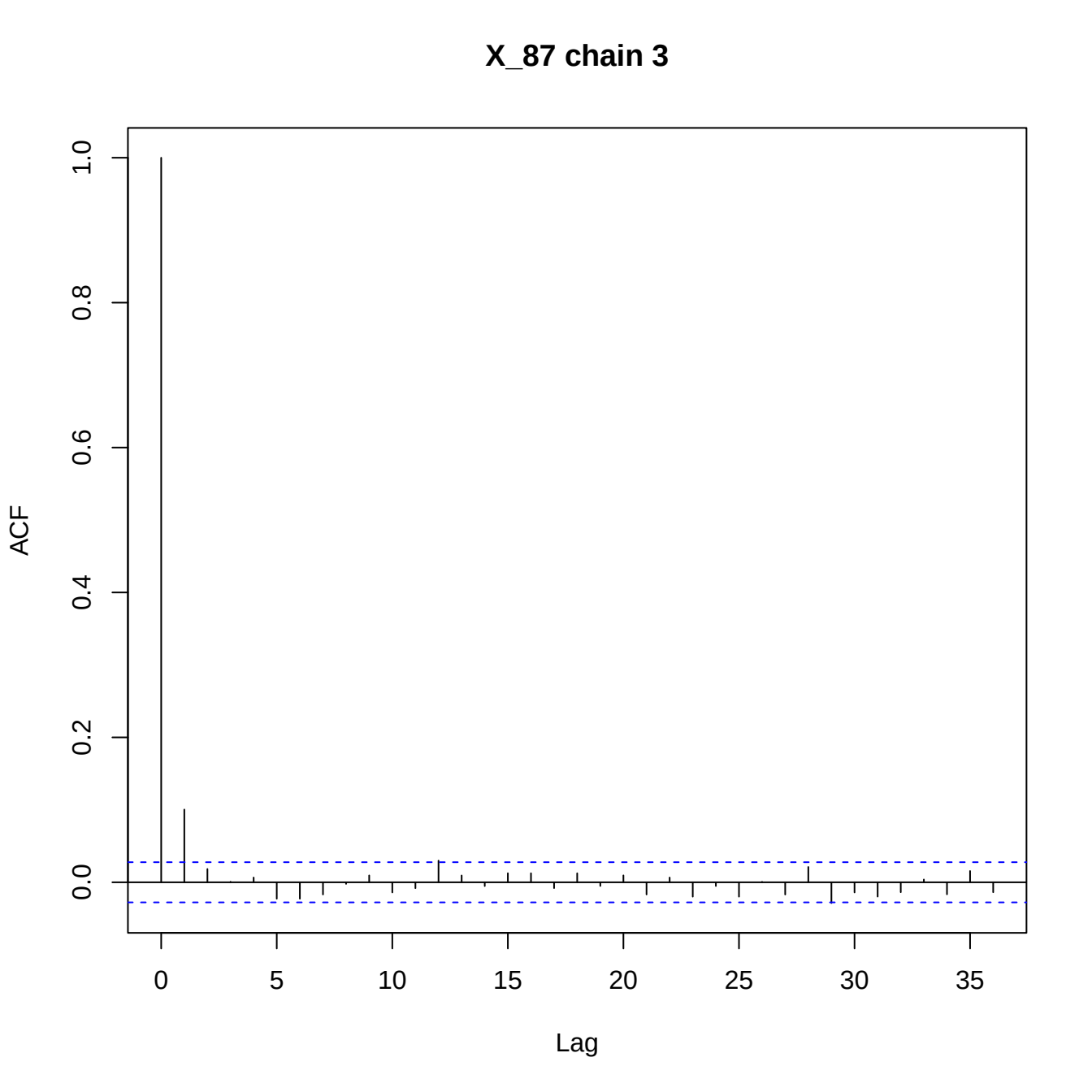
Lag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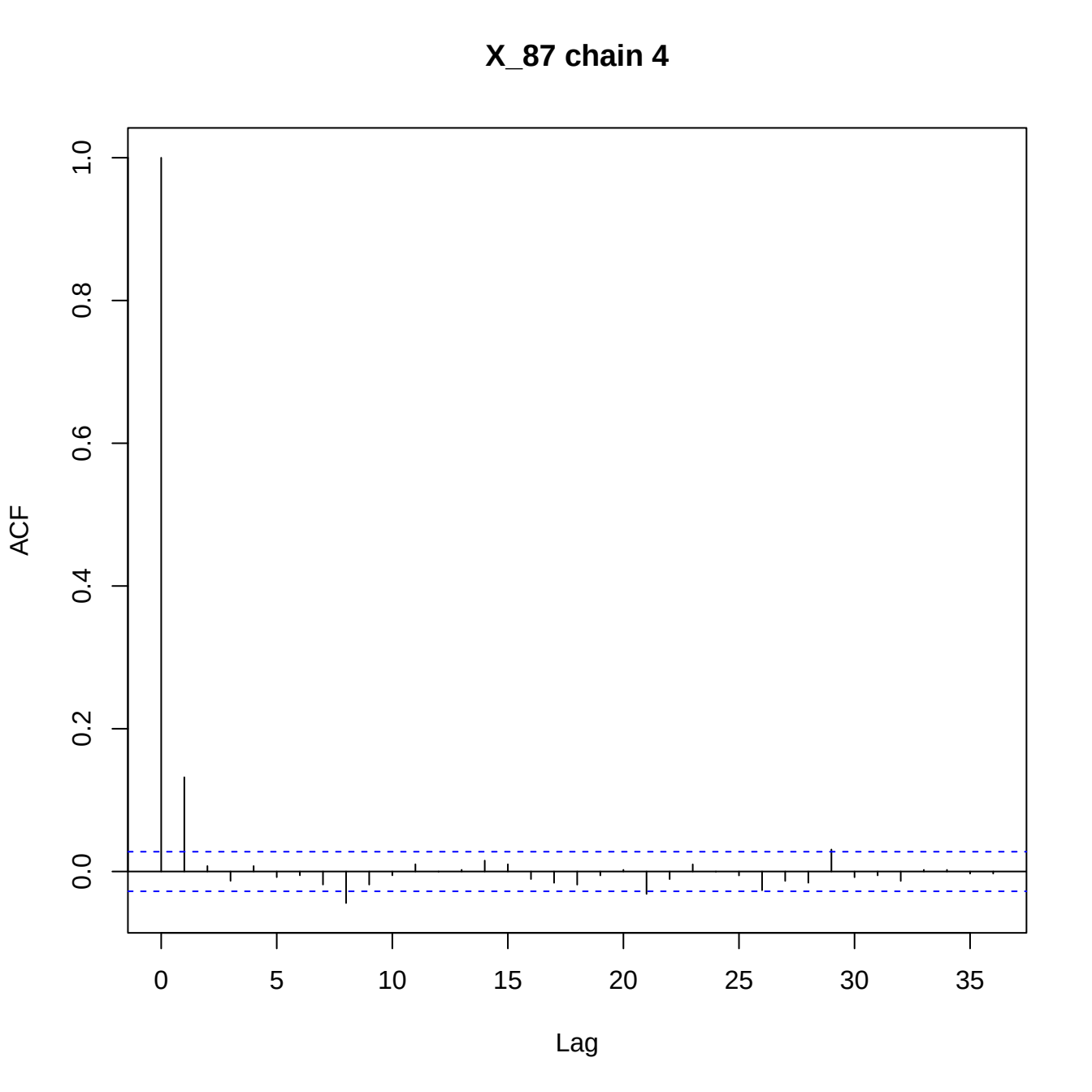
Lag


X_87 chain 4
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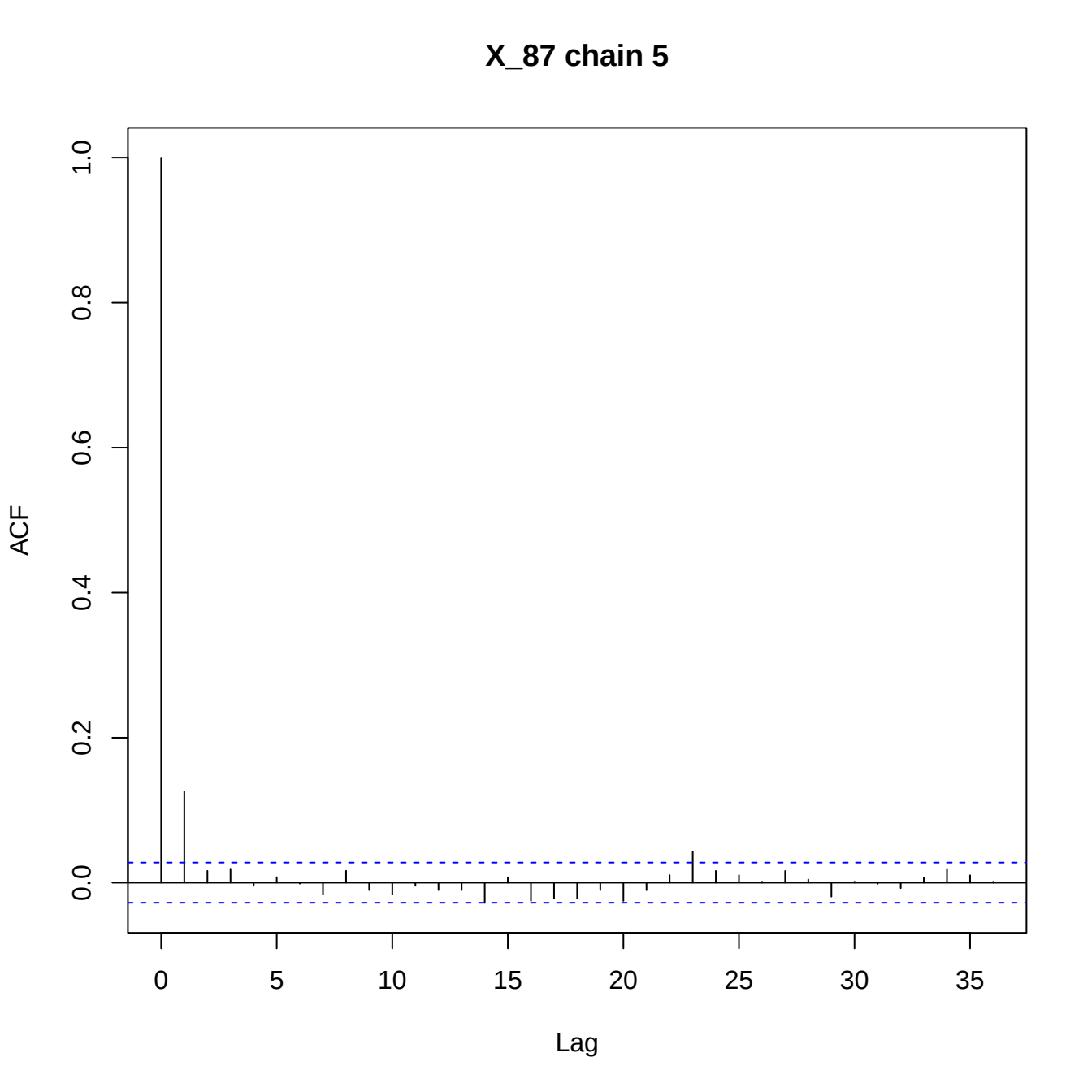
Lag


X_87 chain 5
ACF
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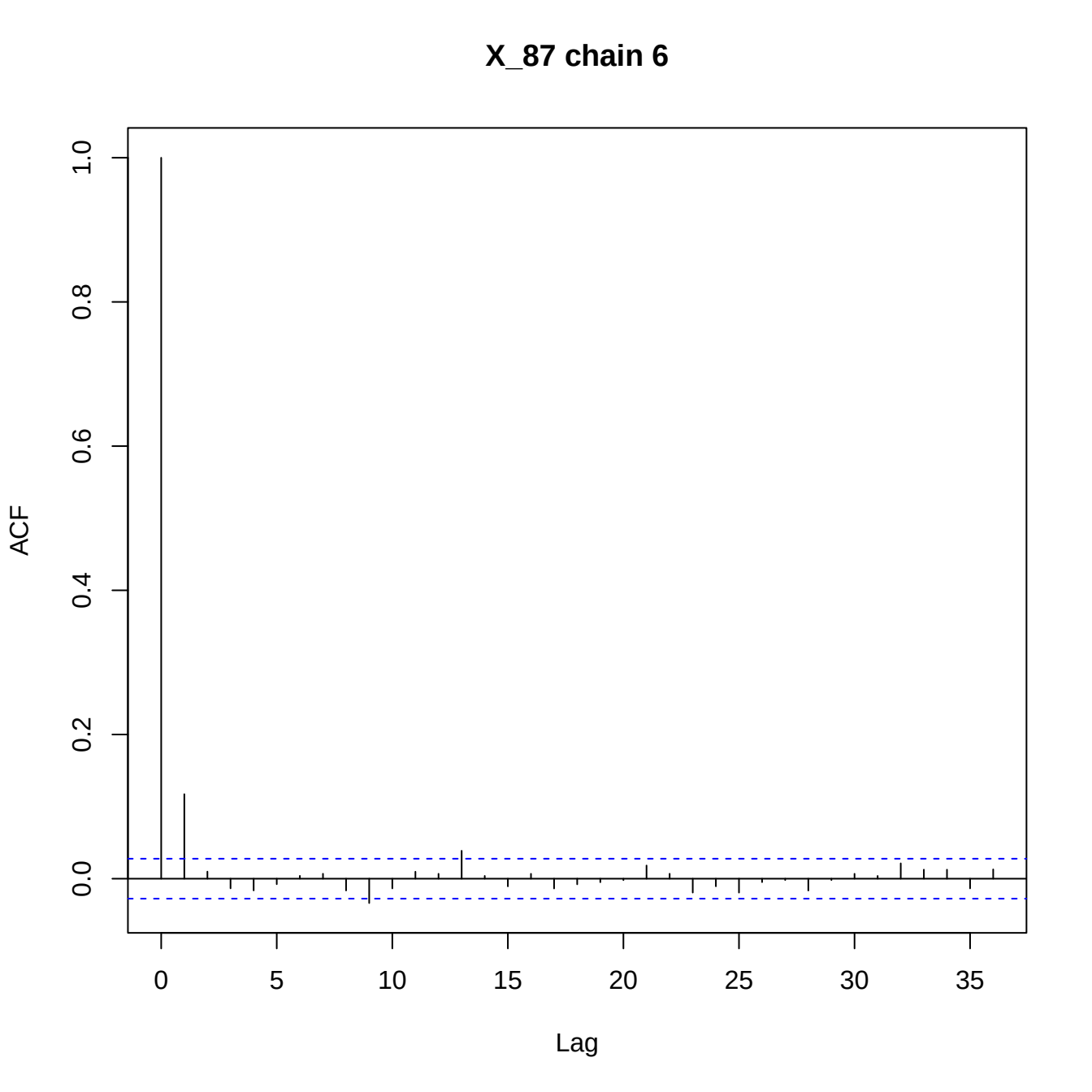
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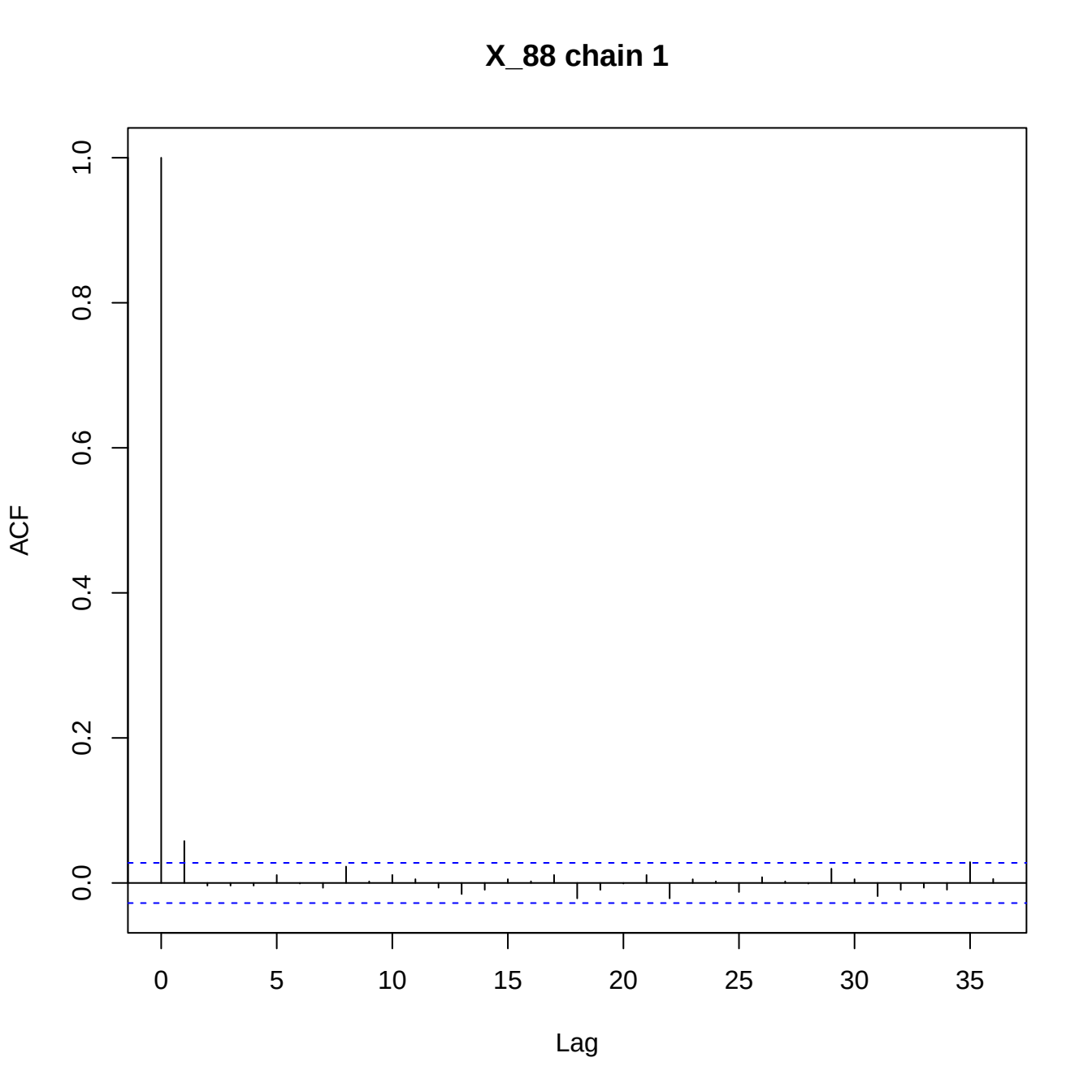
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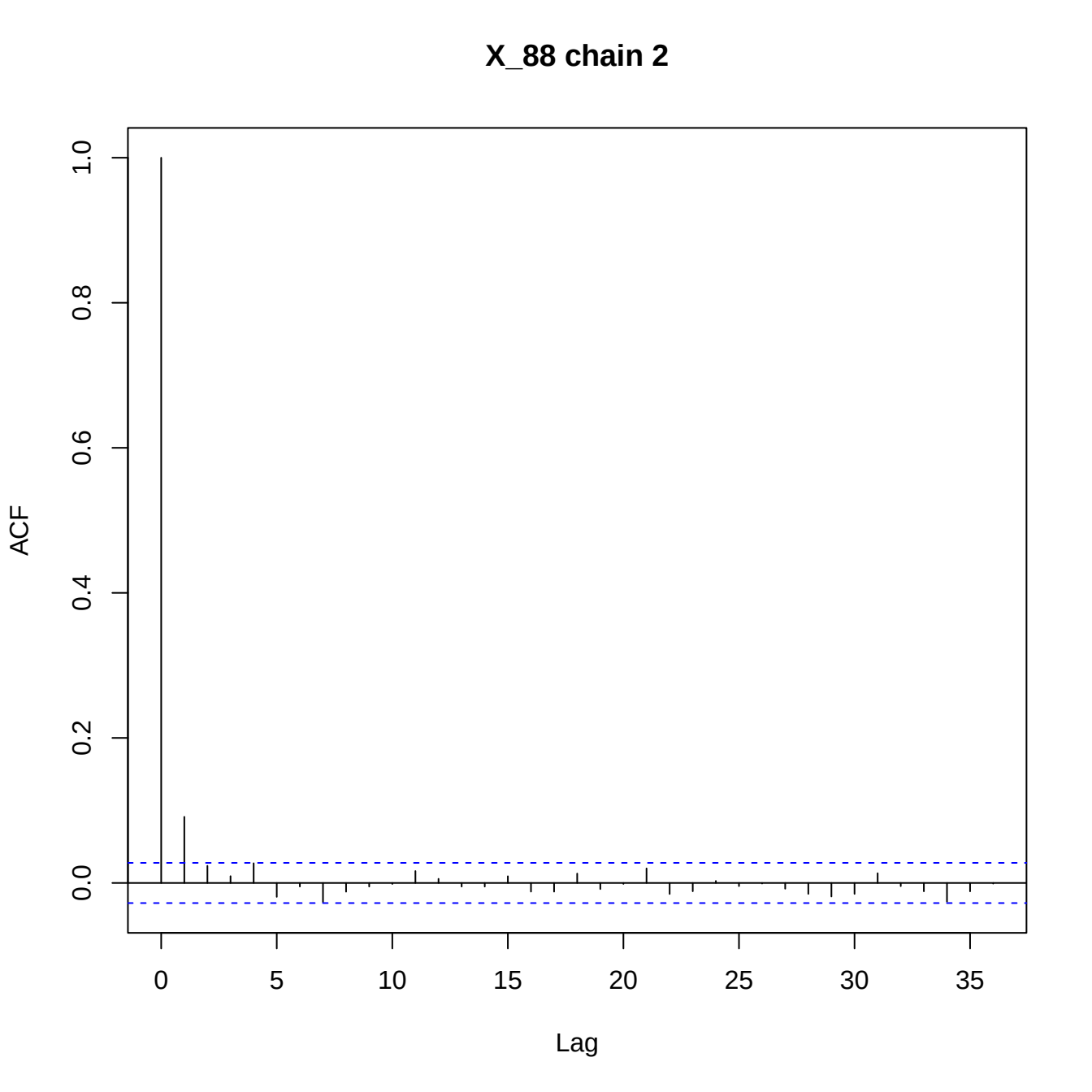
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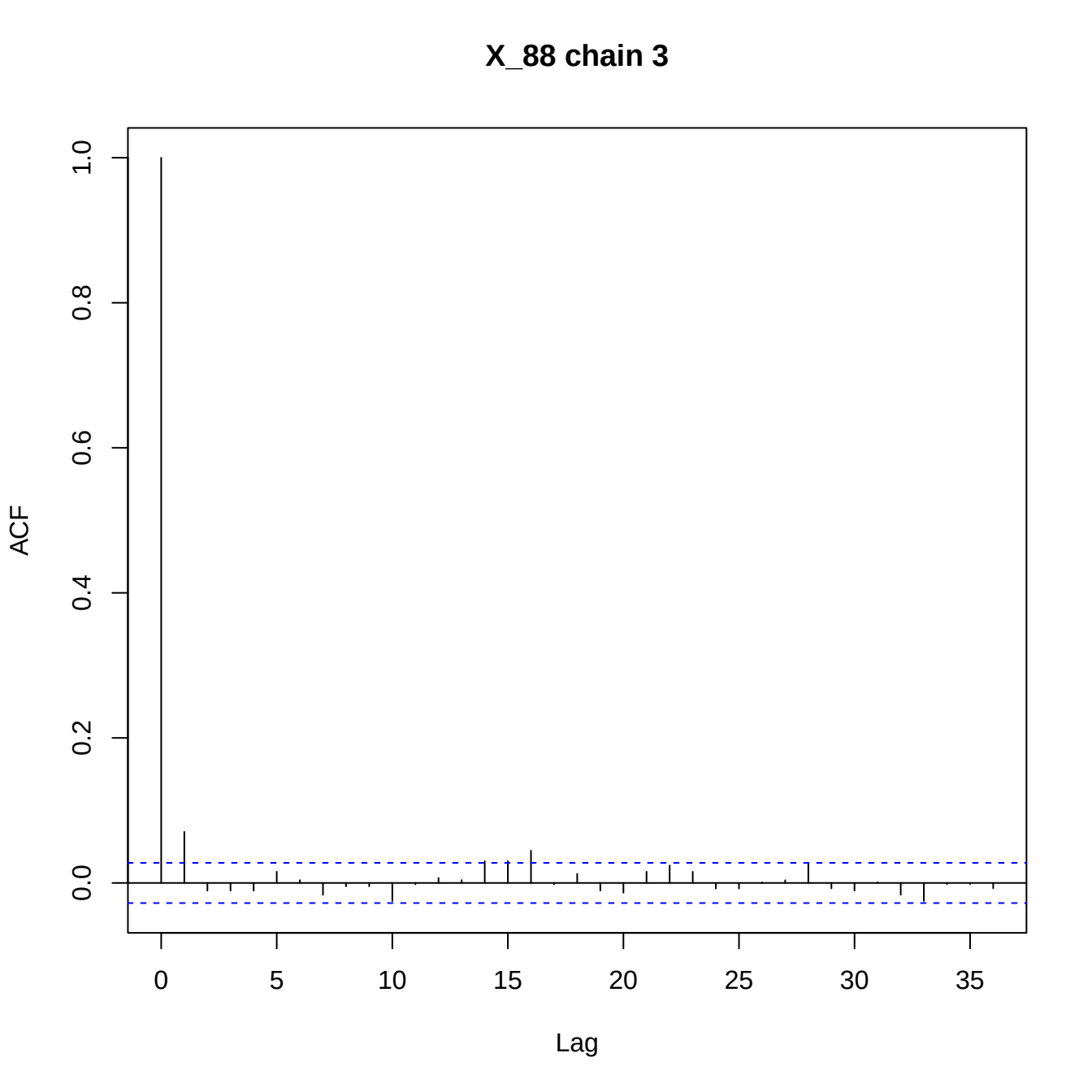
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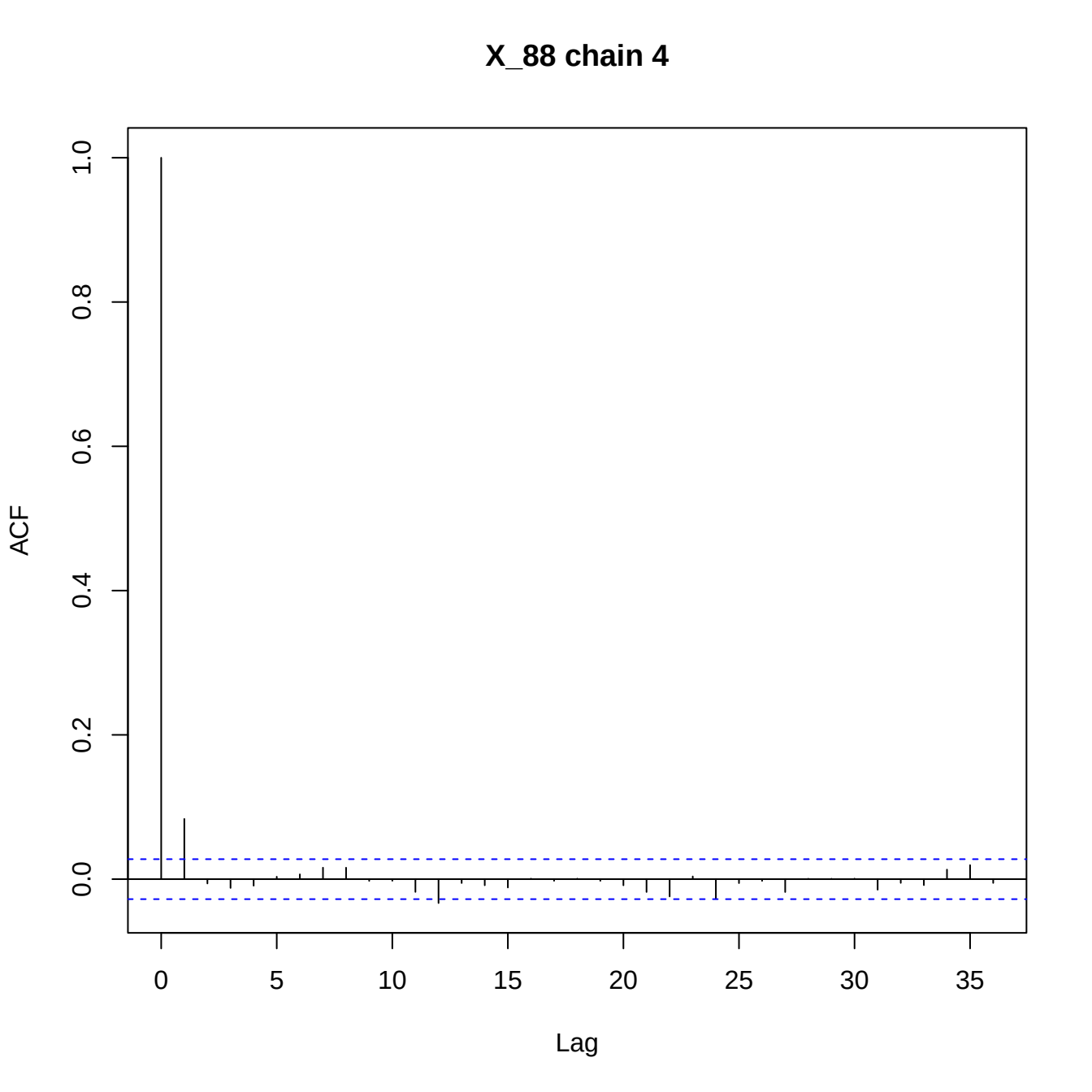
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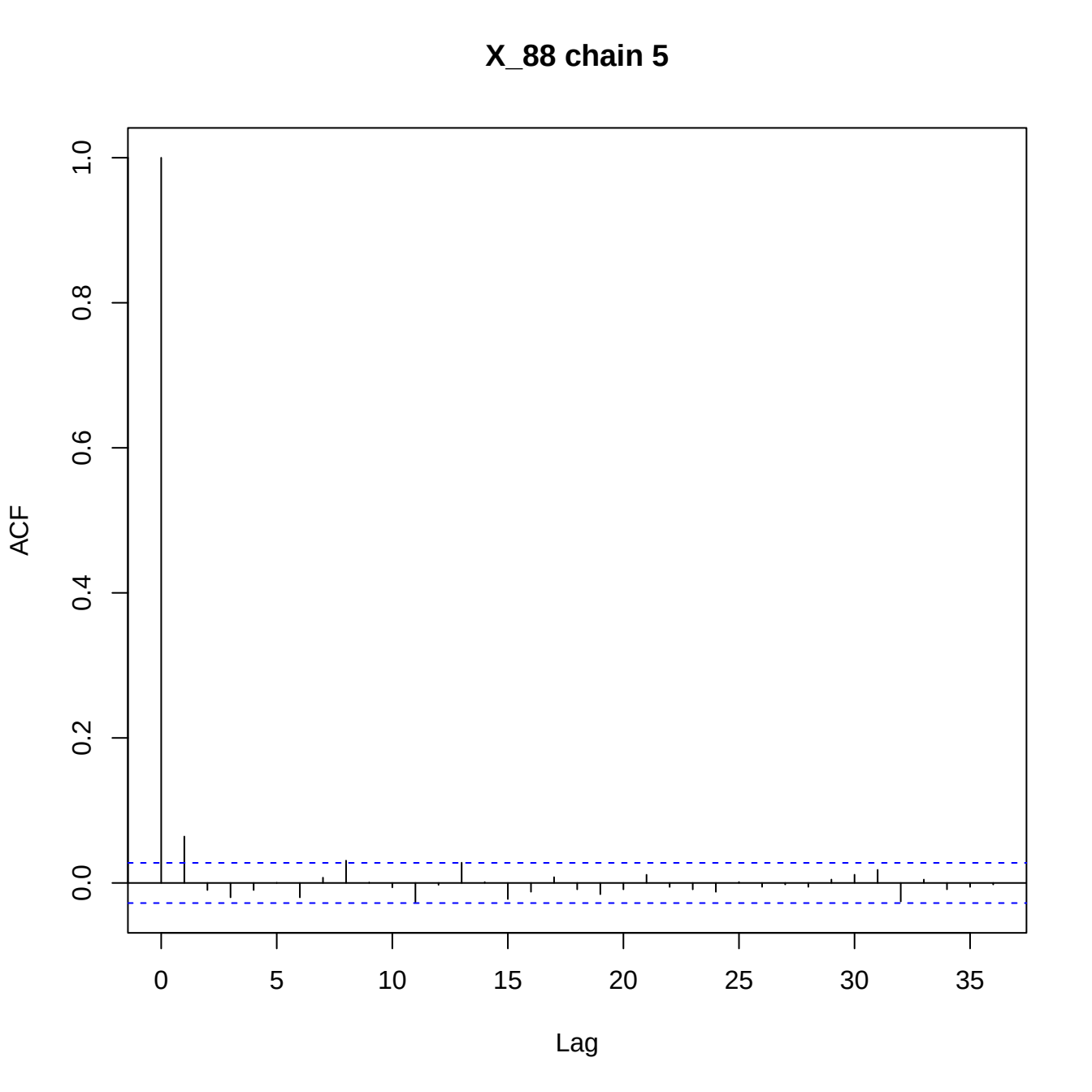
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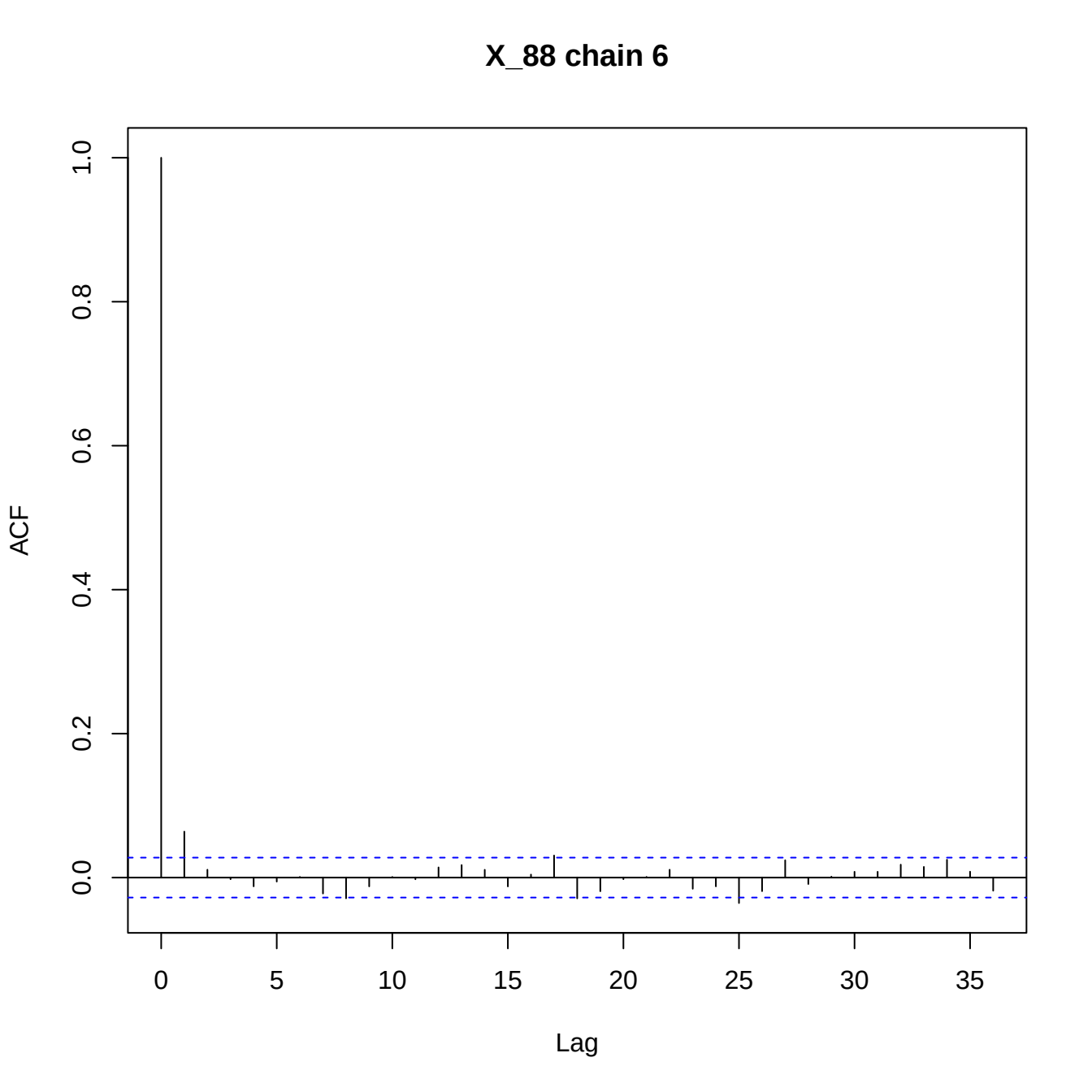
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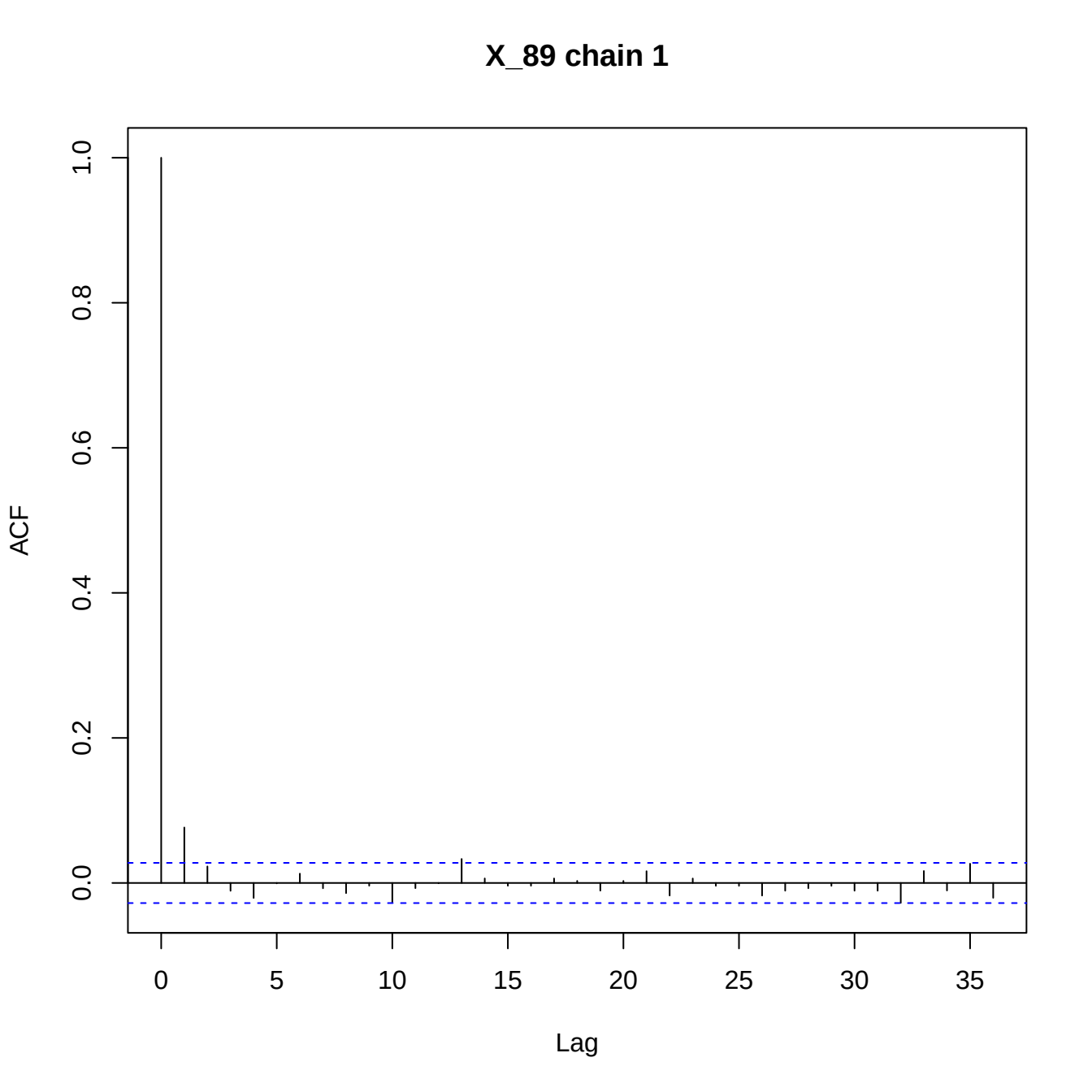
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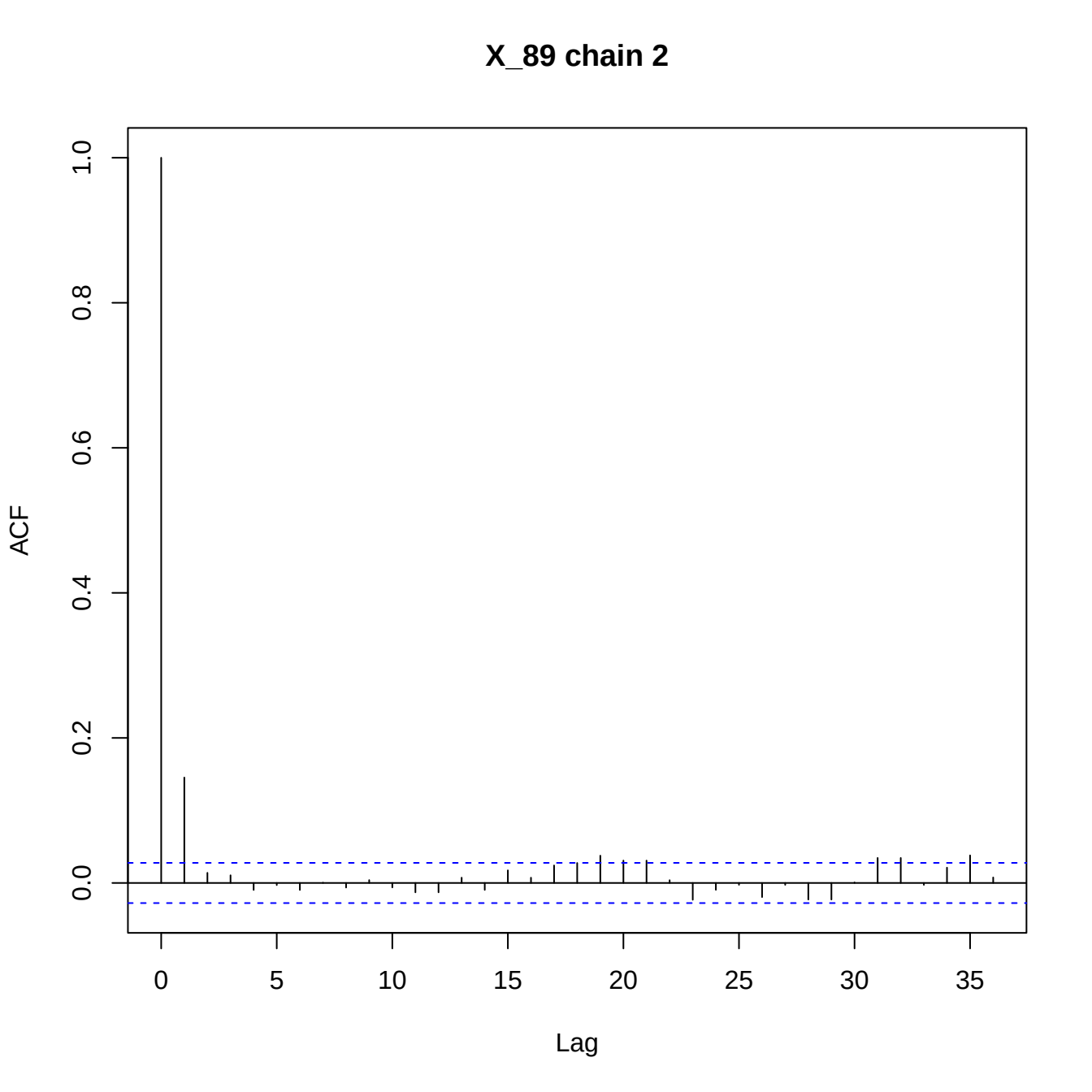
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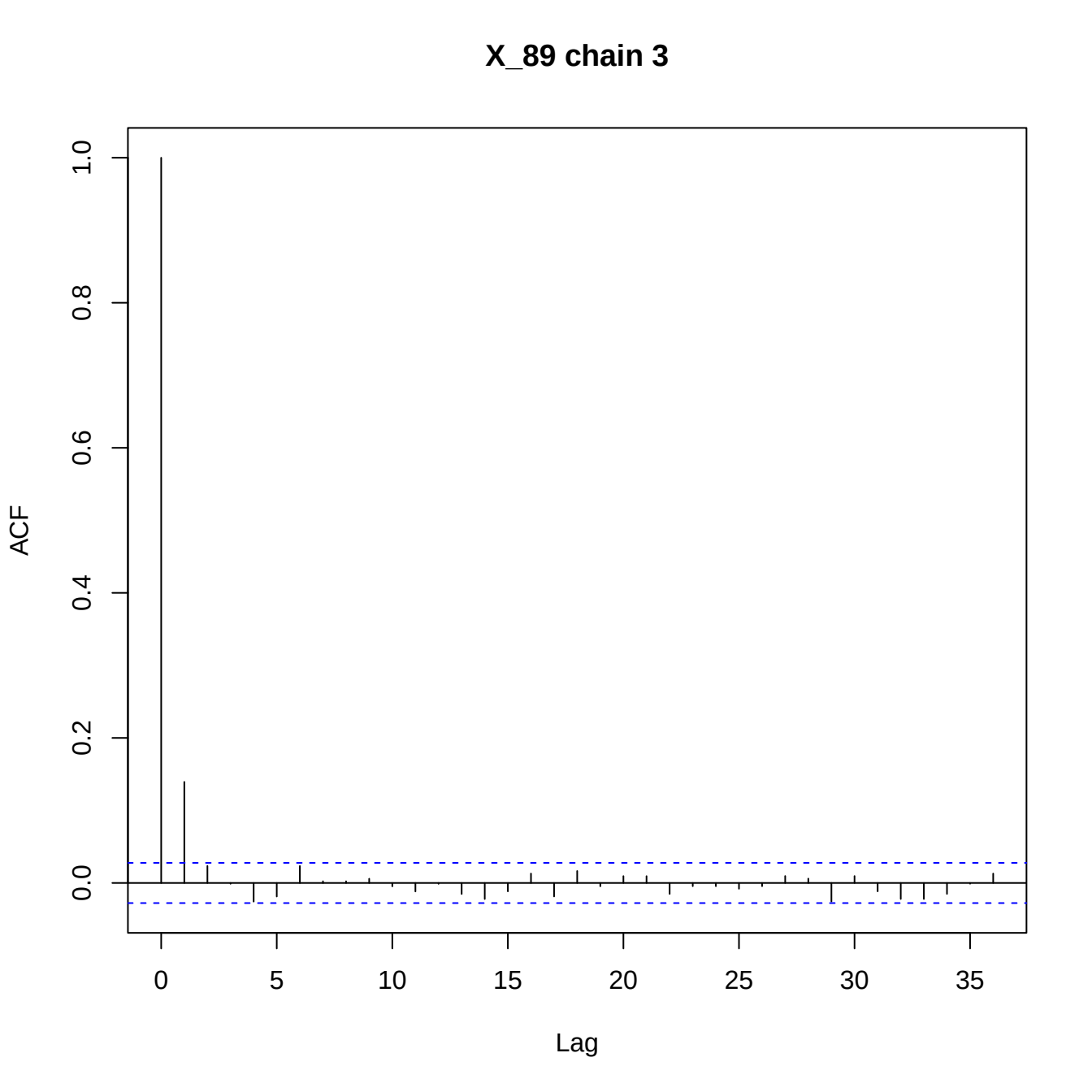
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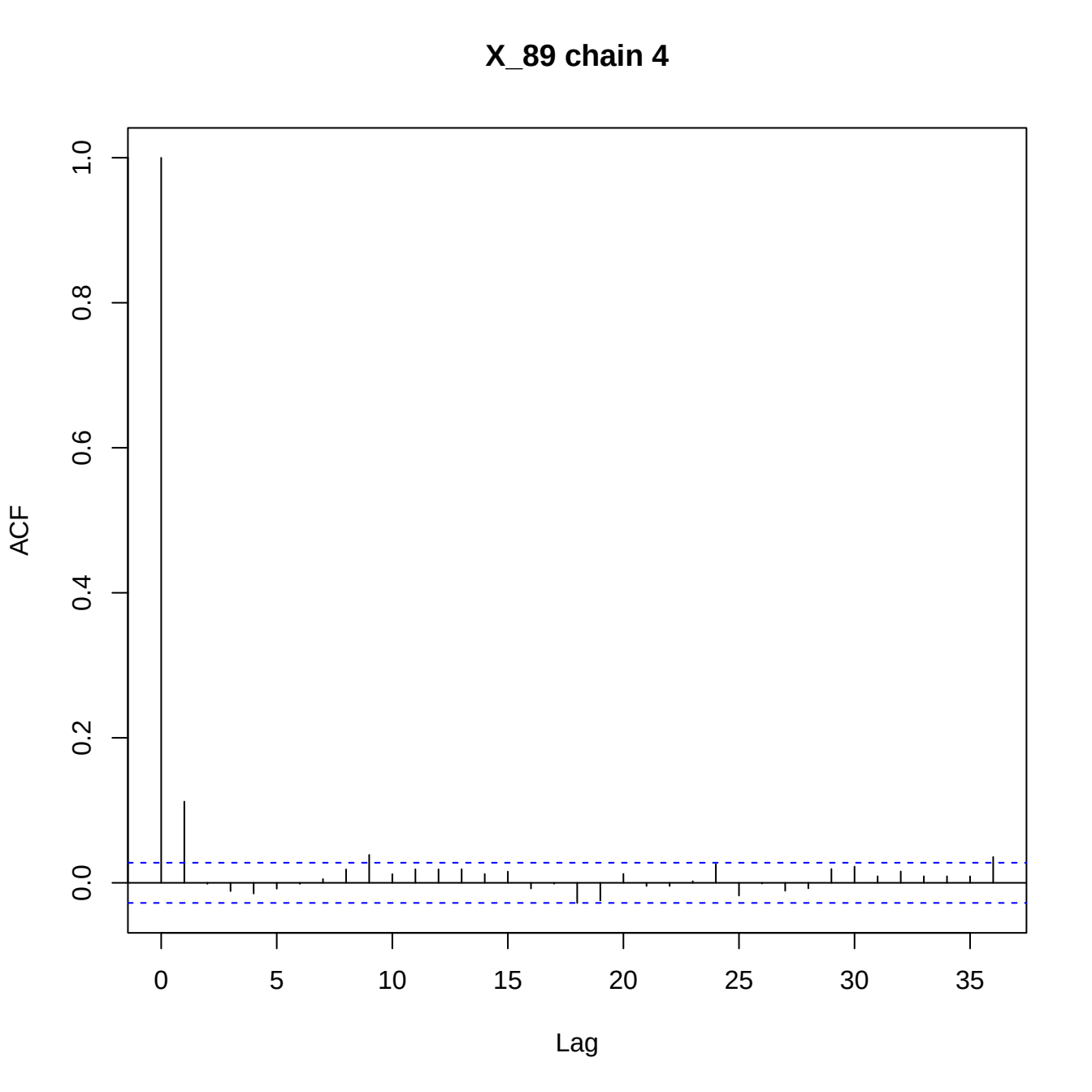
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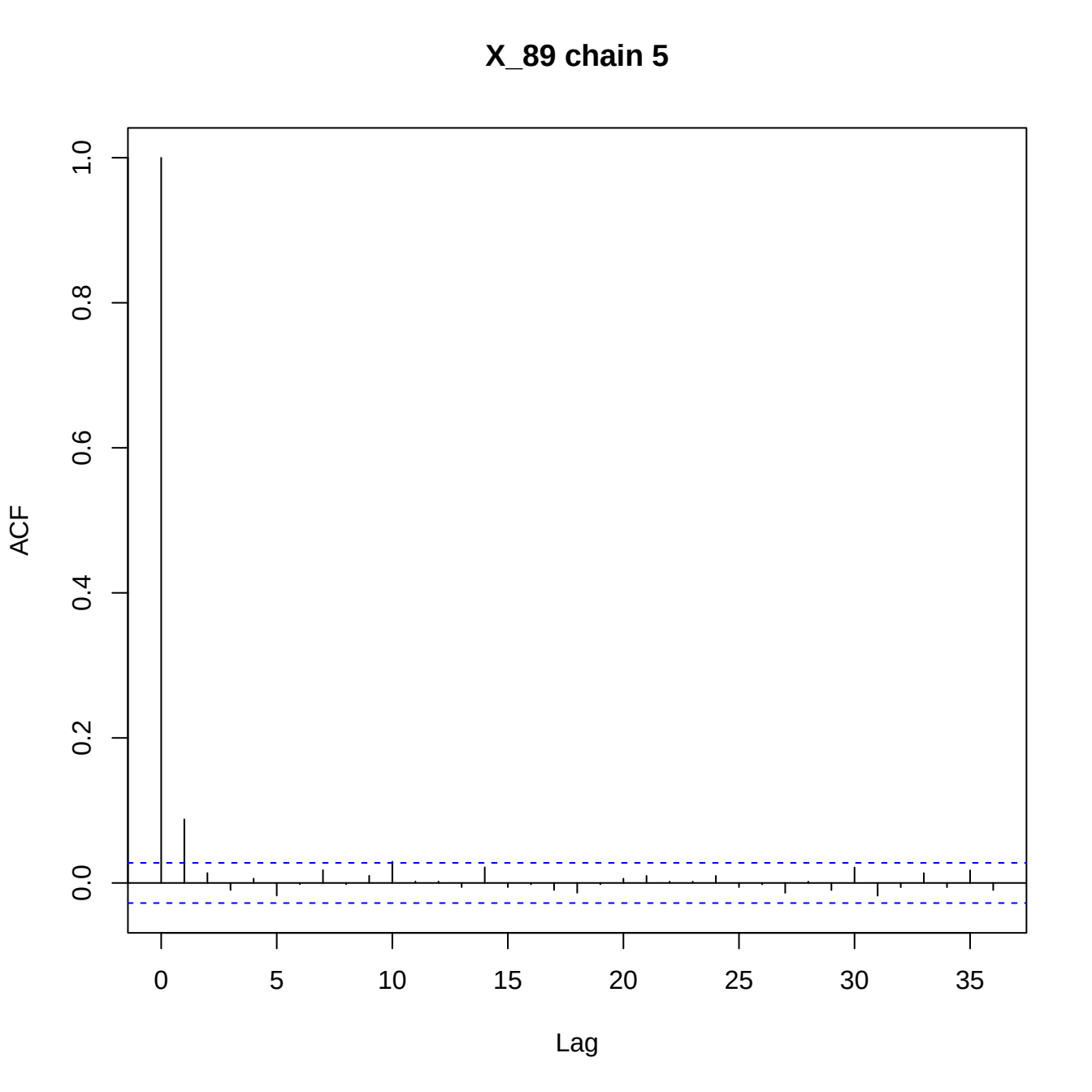
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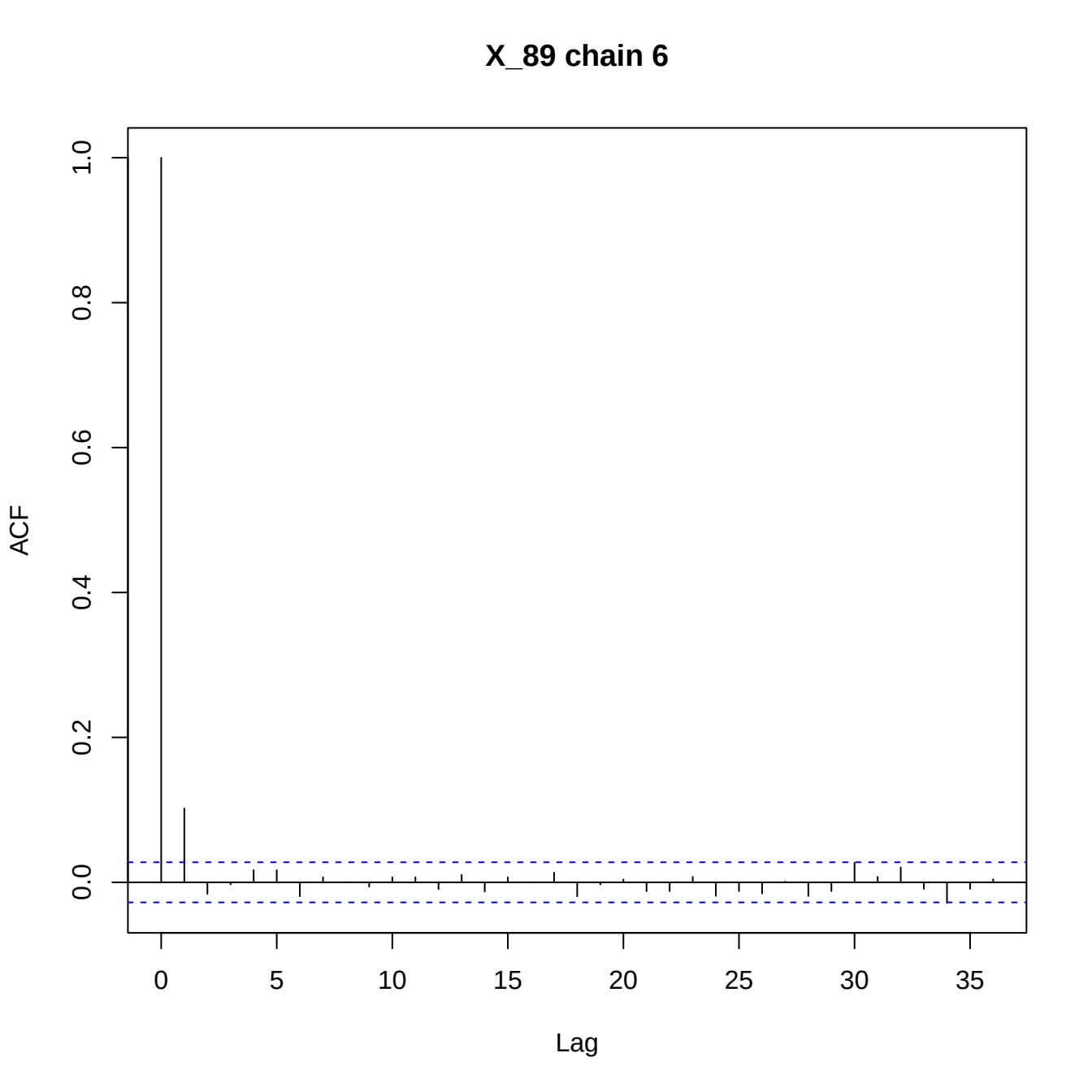
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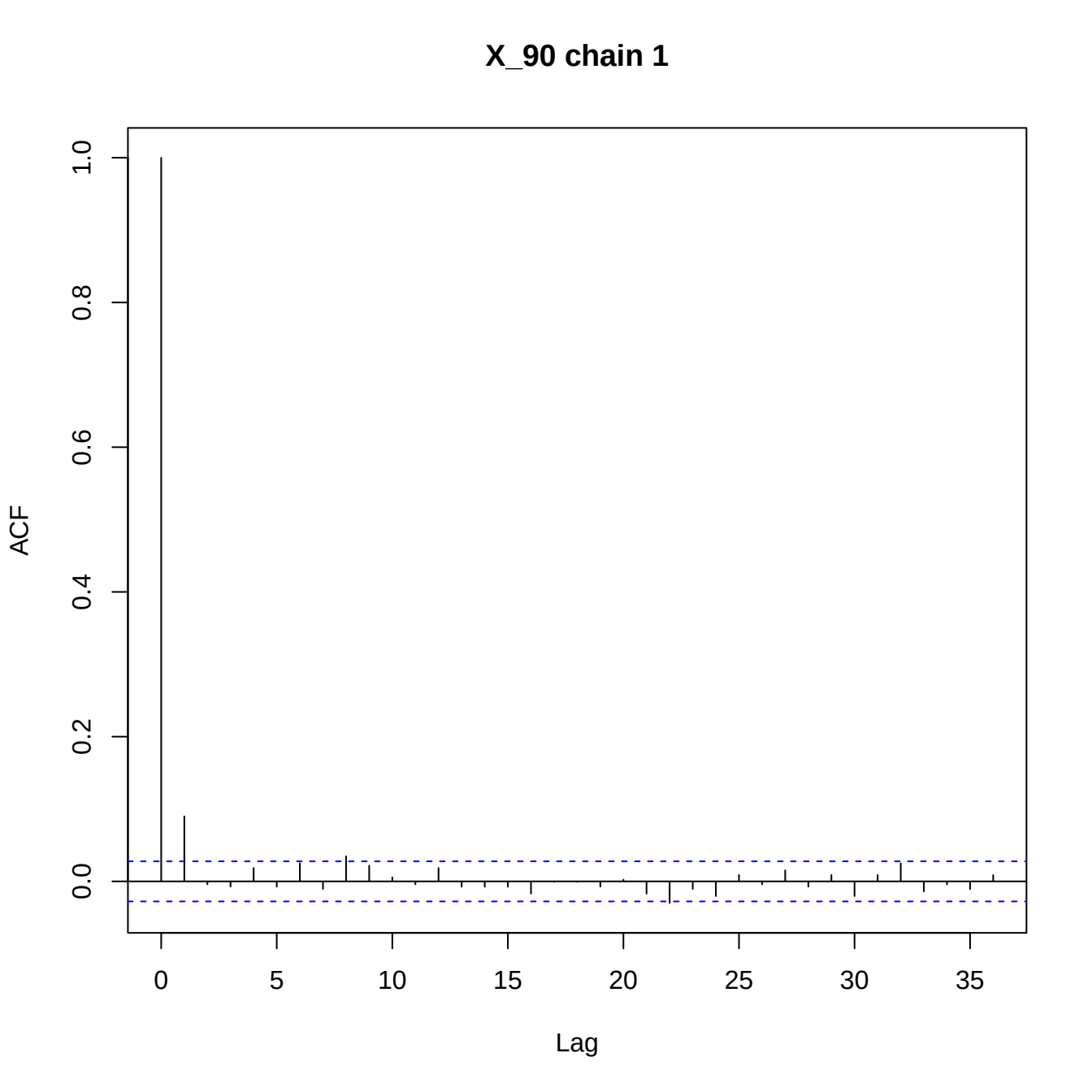
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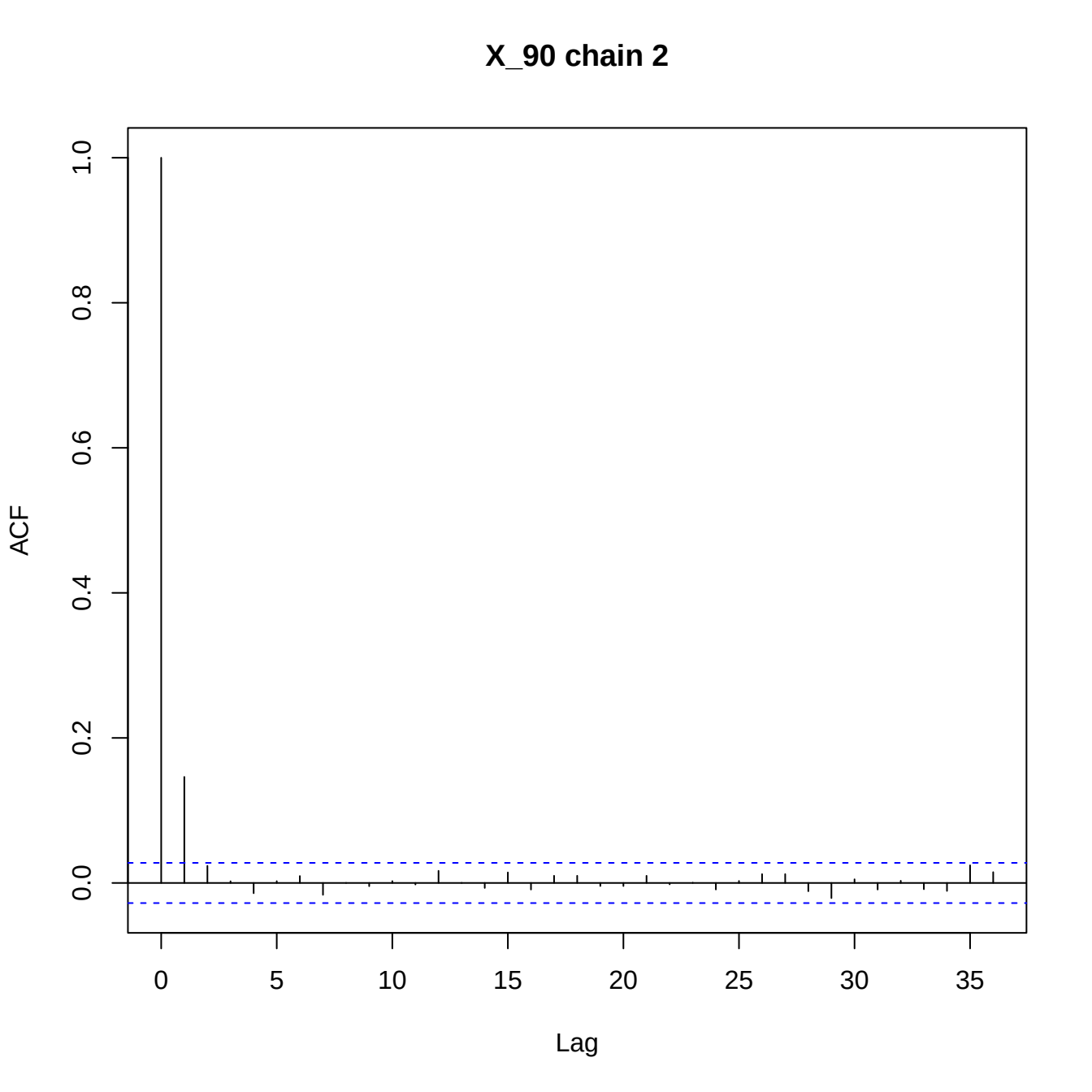
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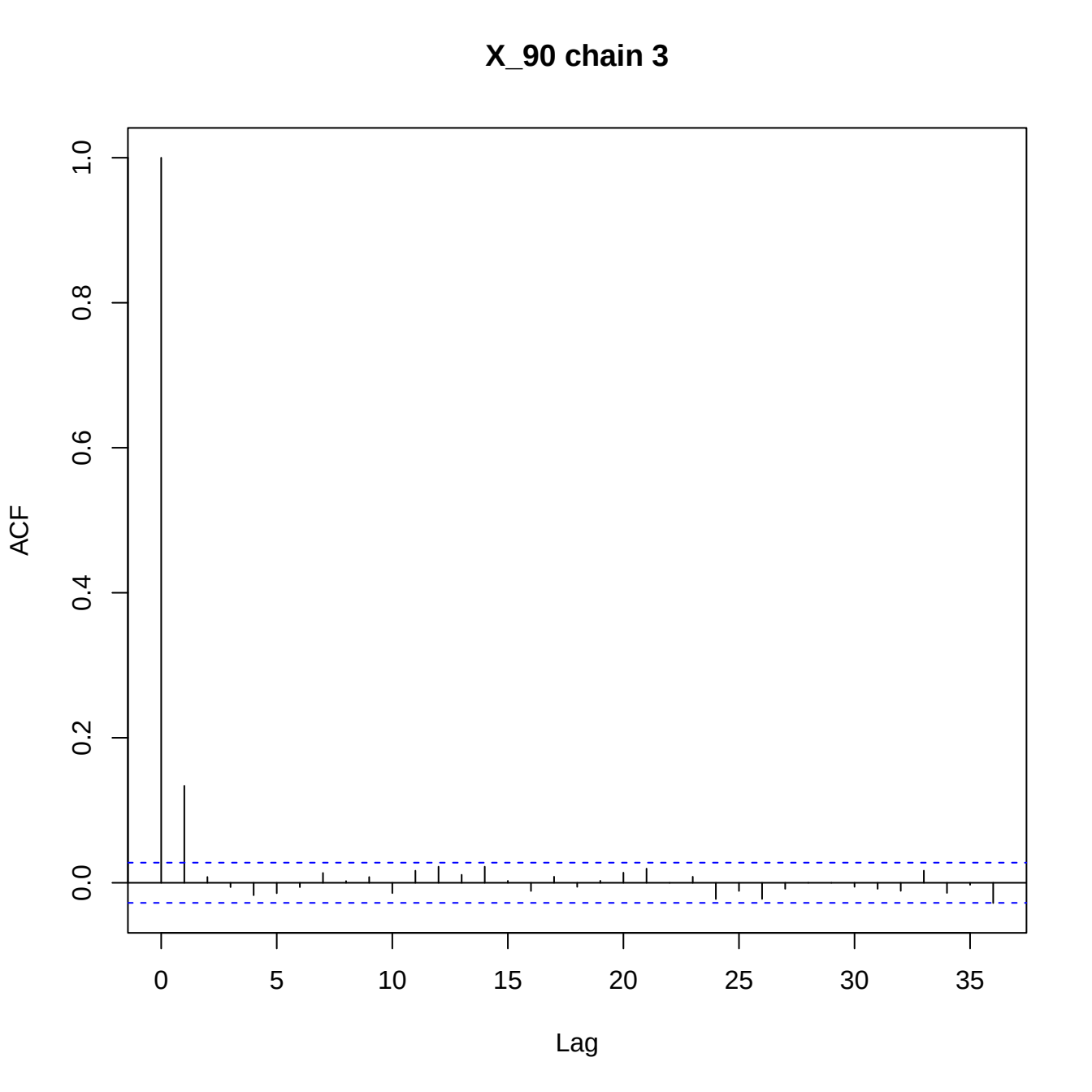
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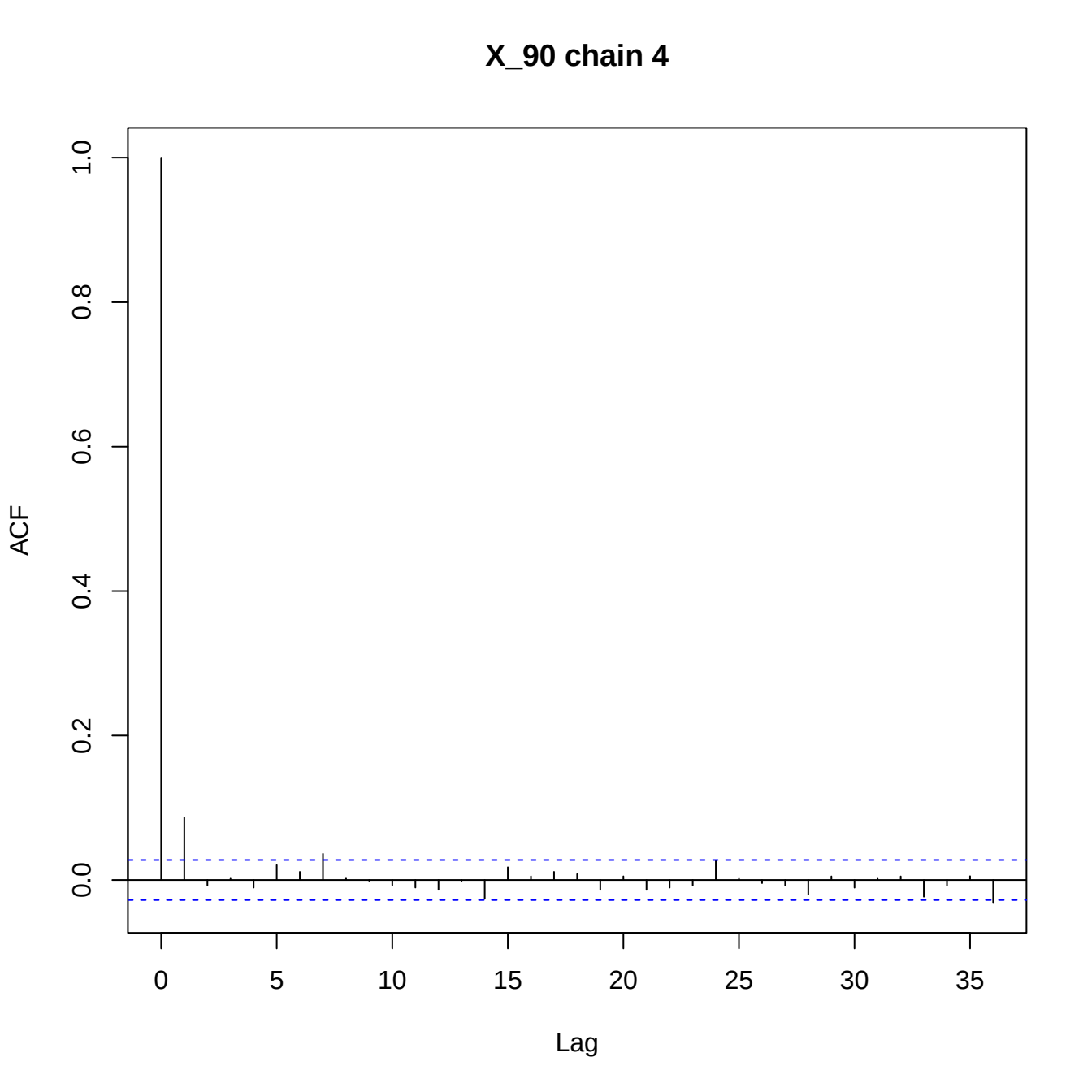
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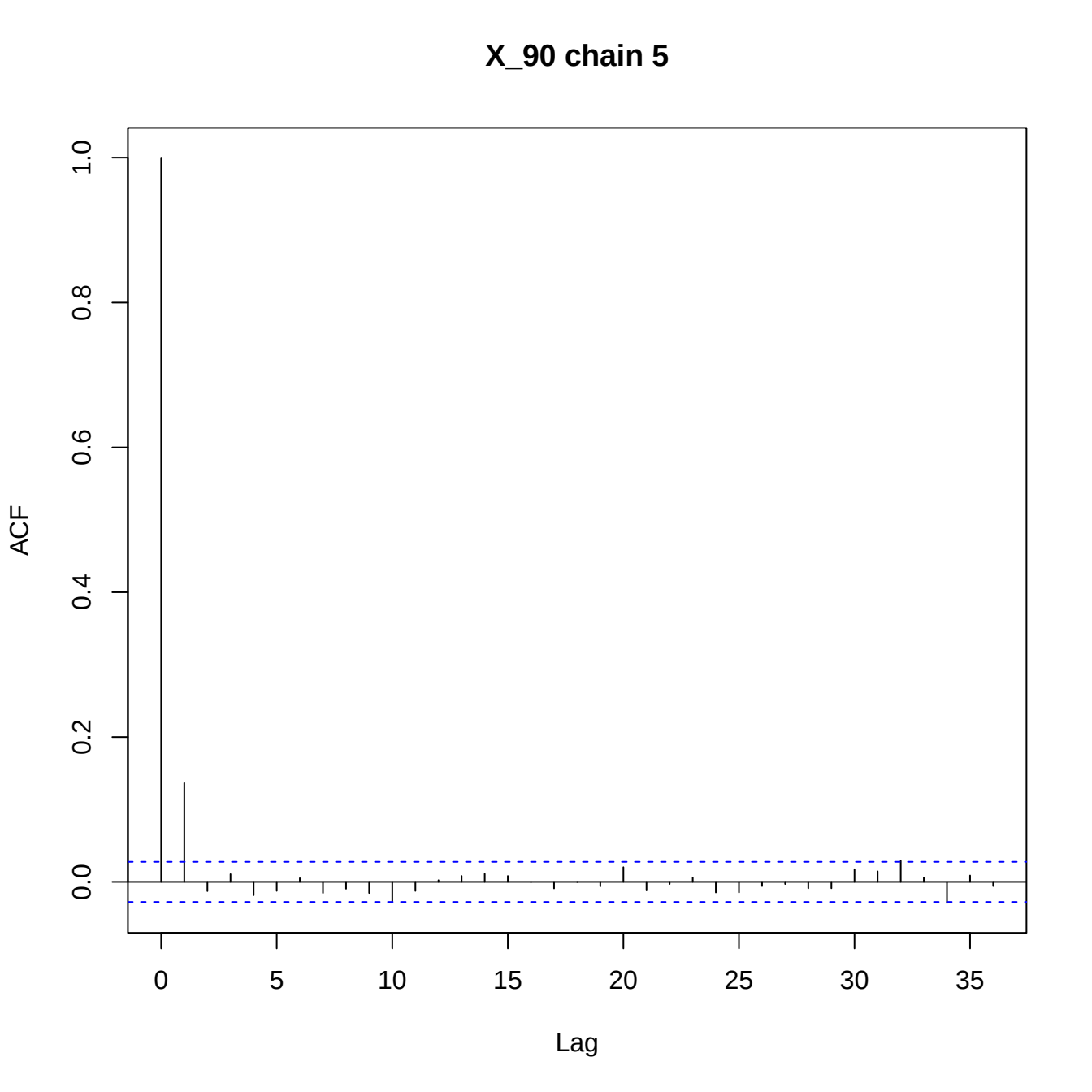
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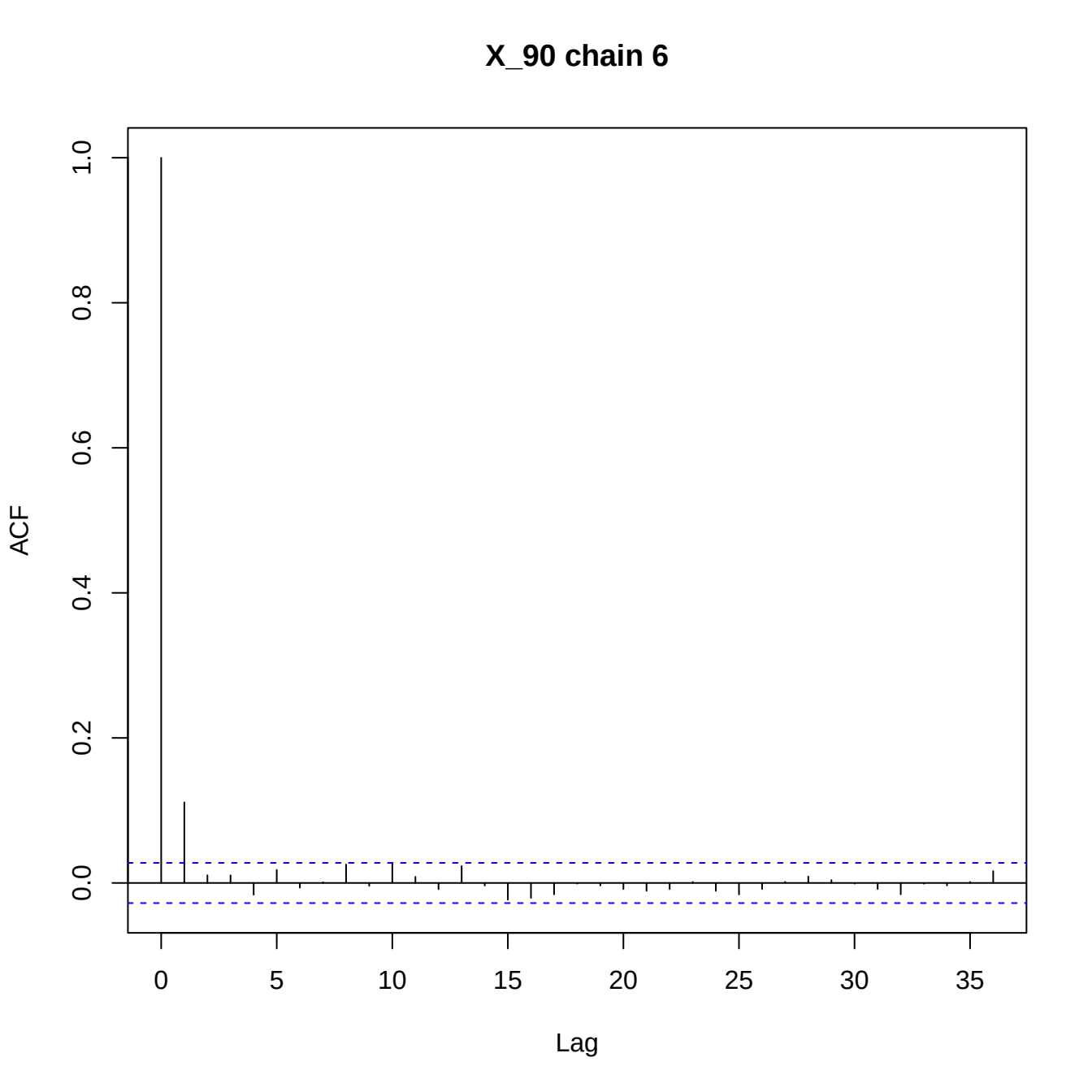
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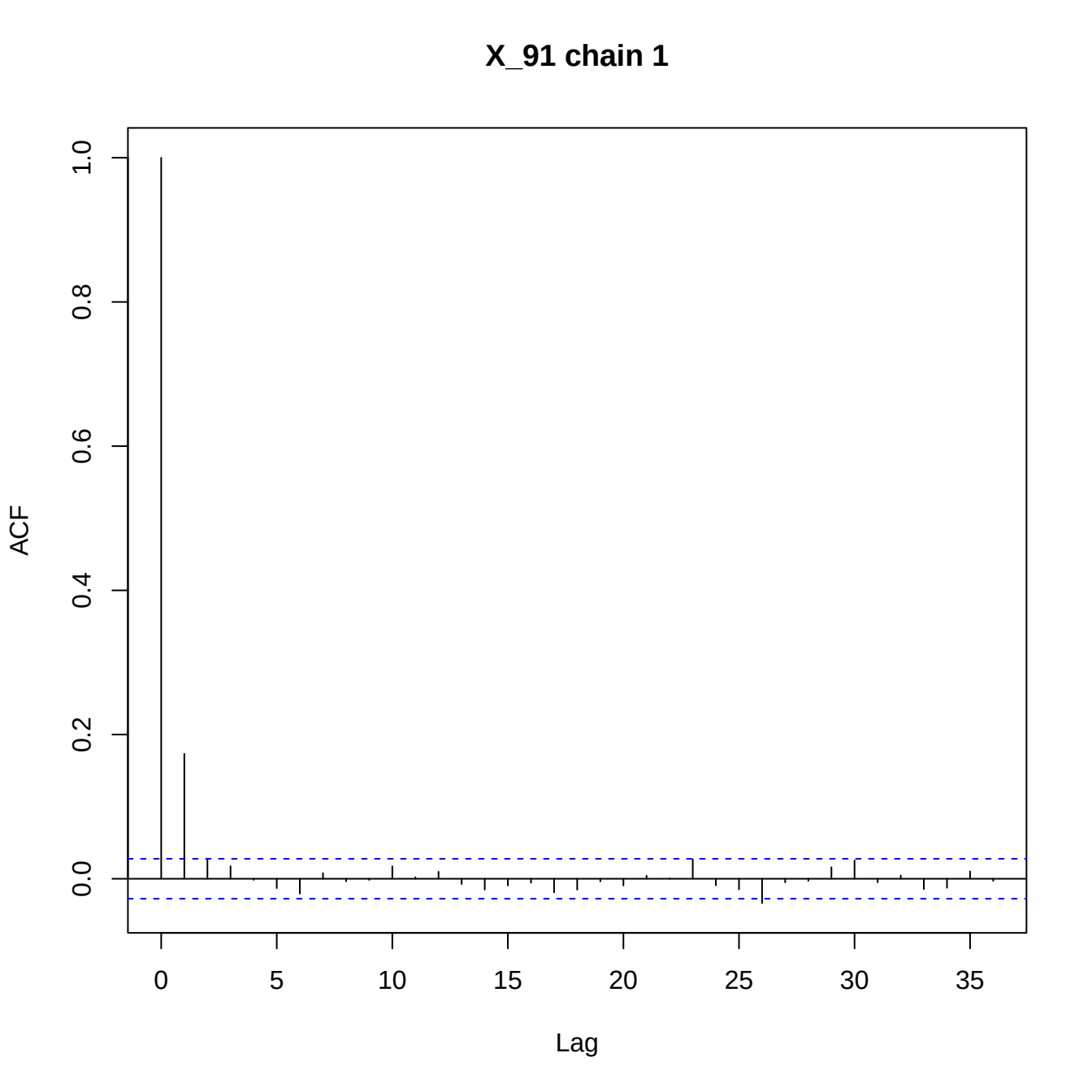
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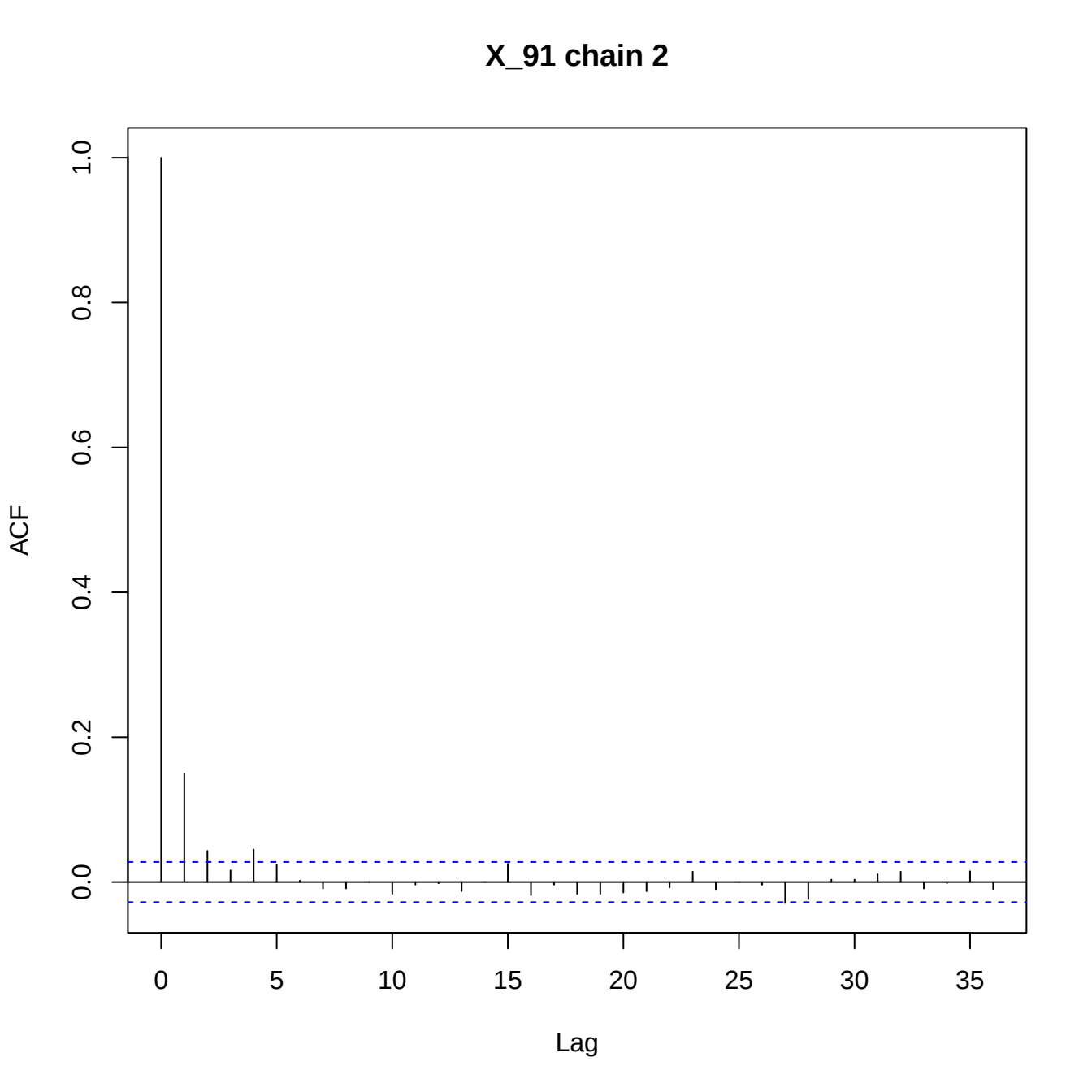
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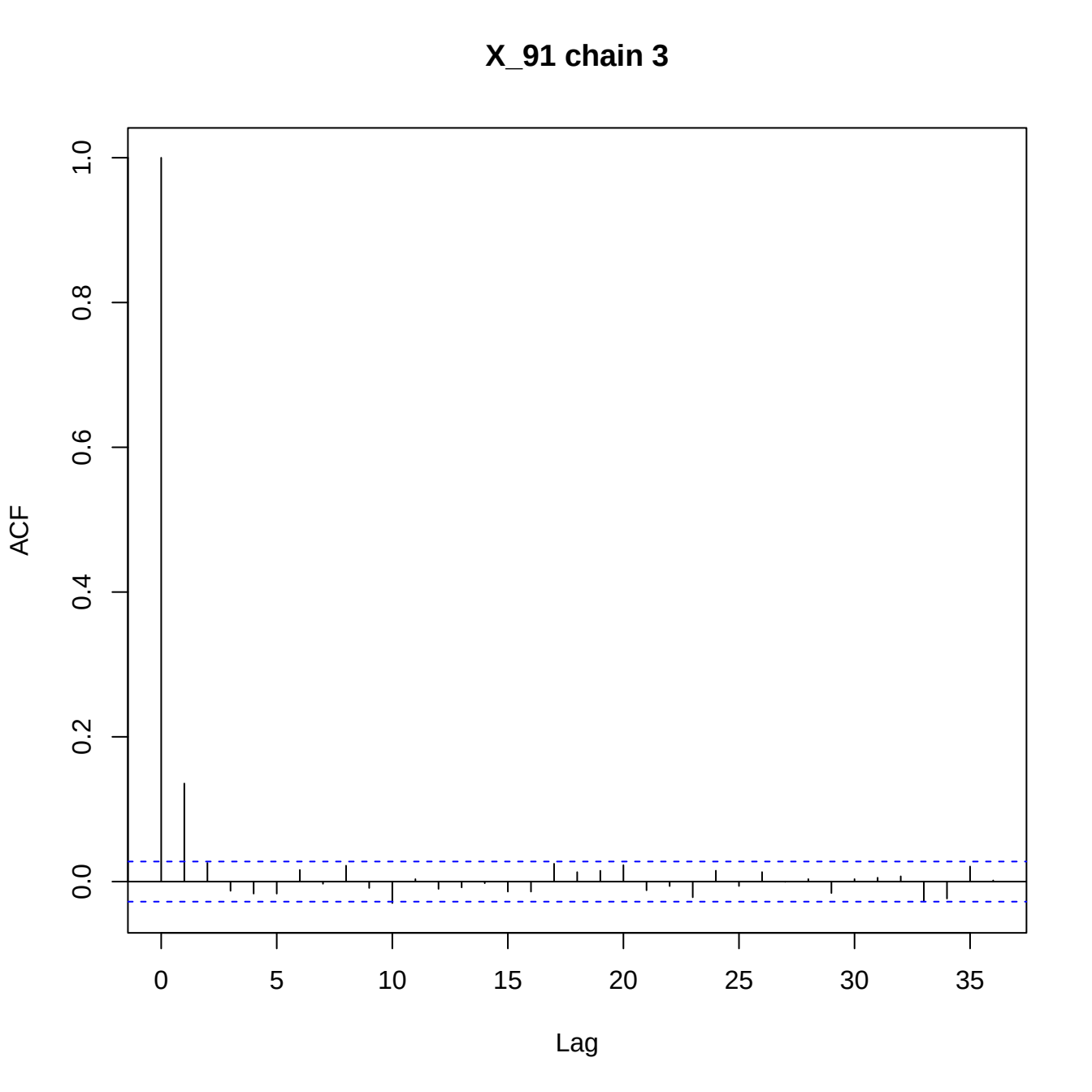
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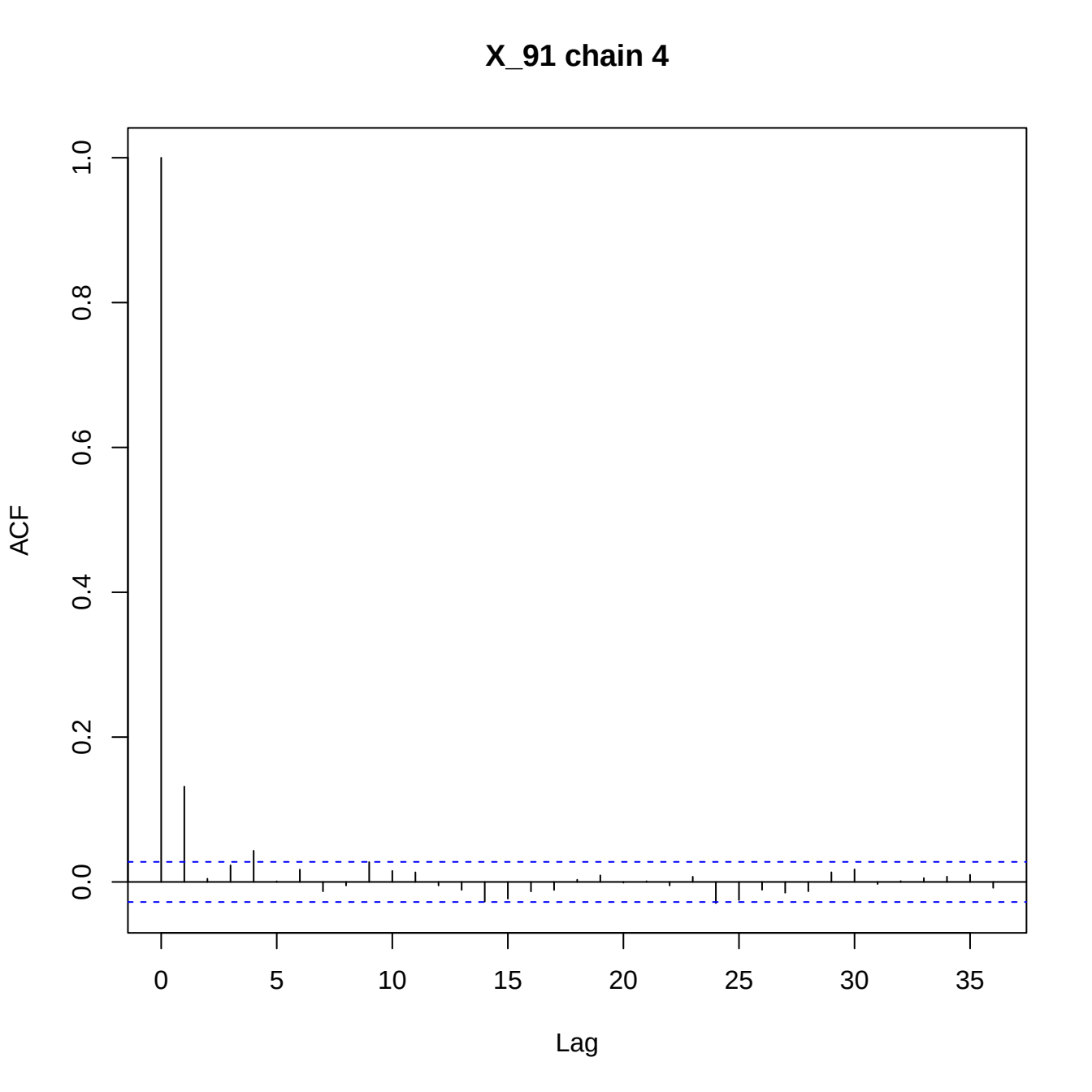
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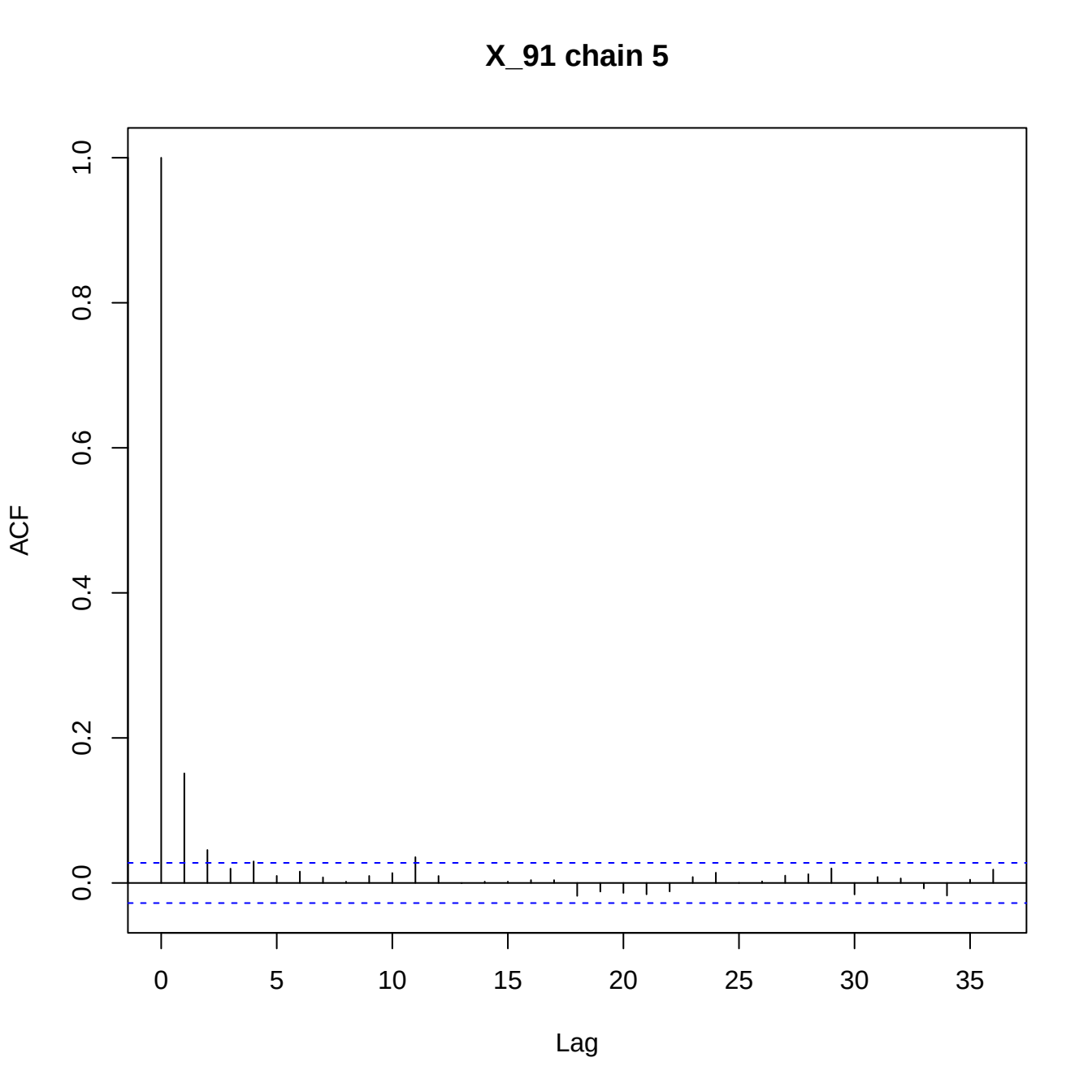
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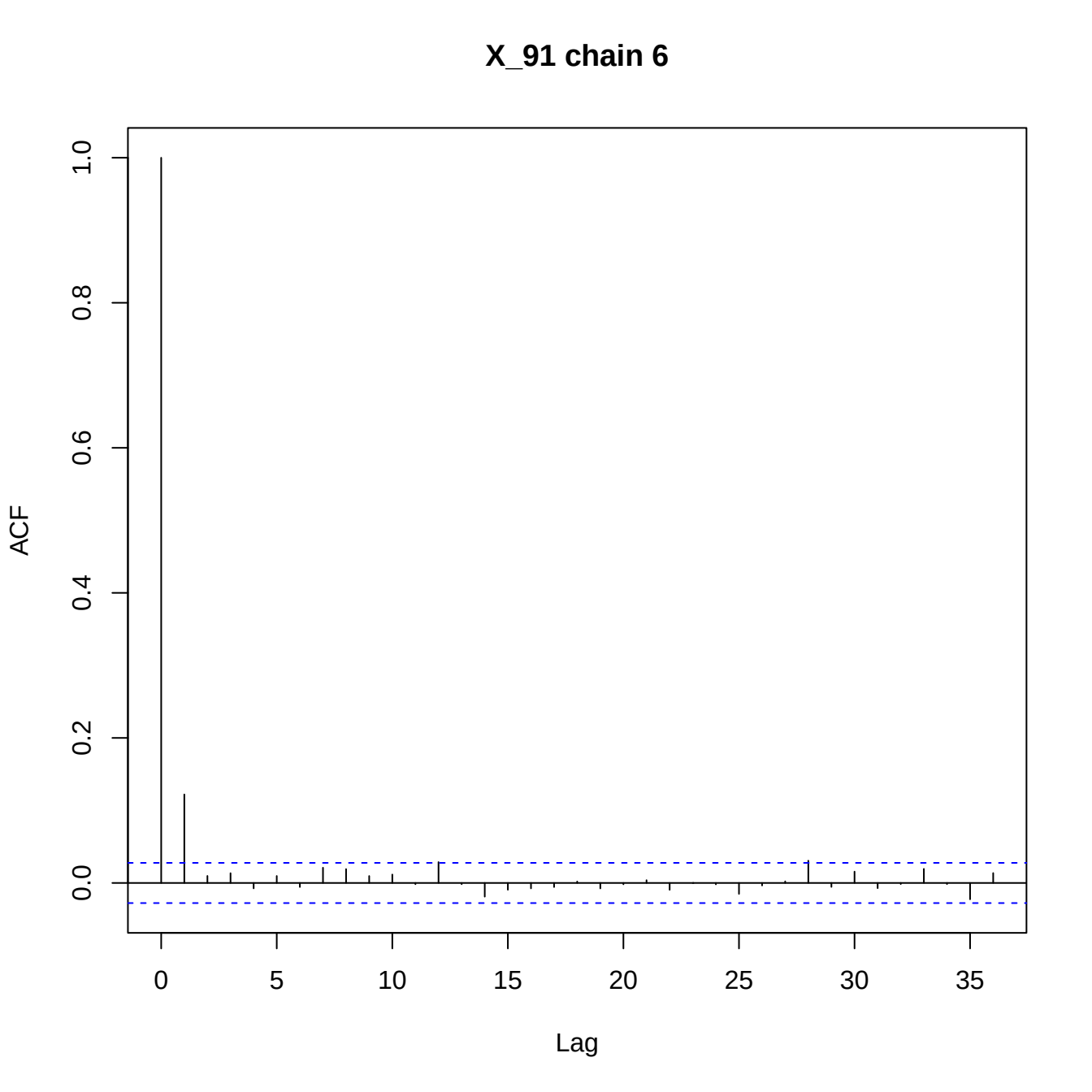
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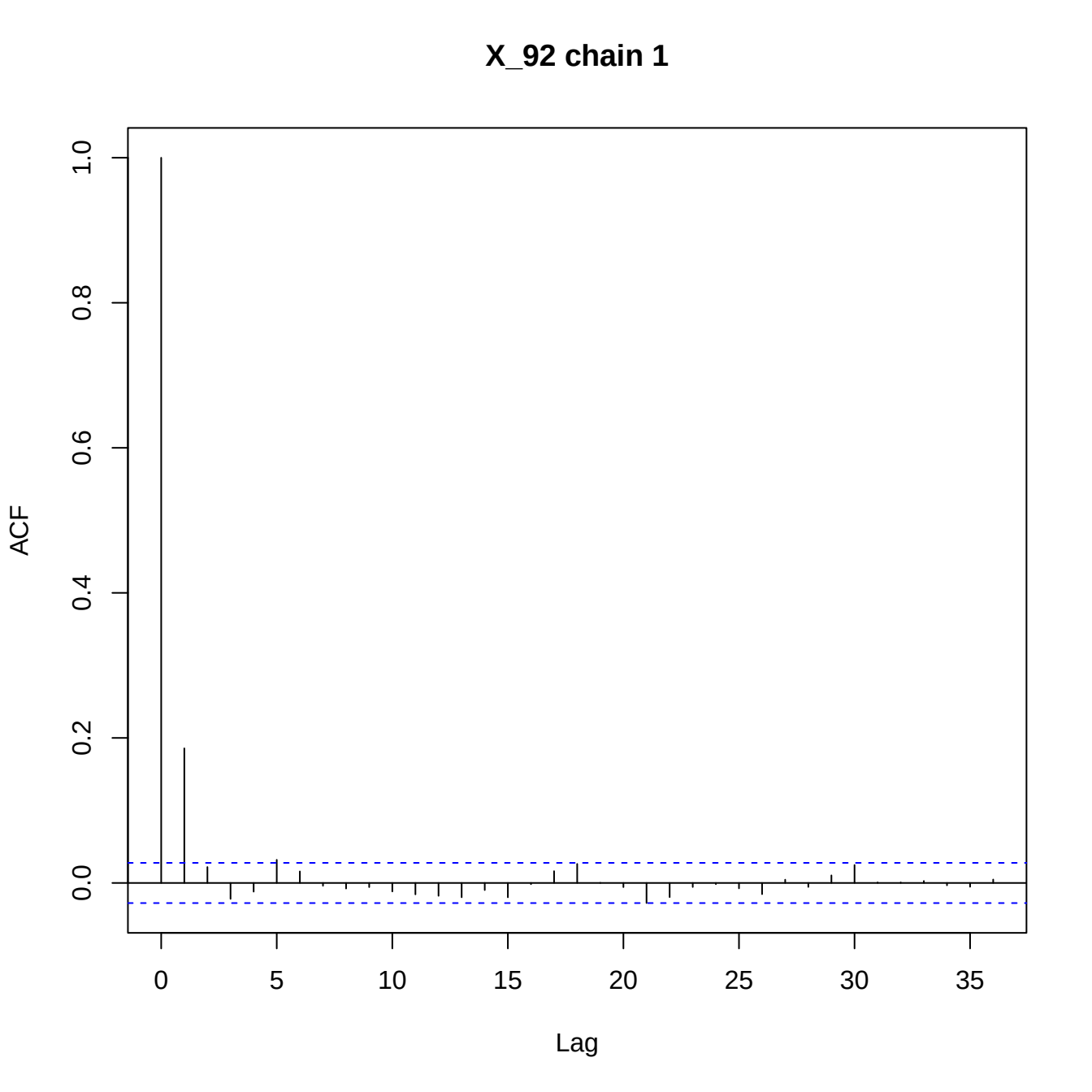
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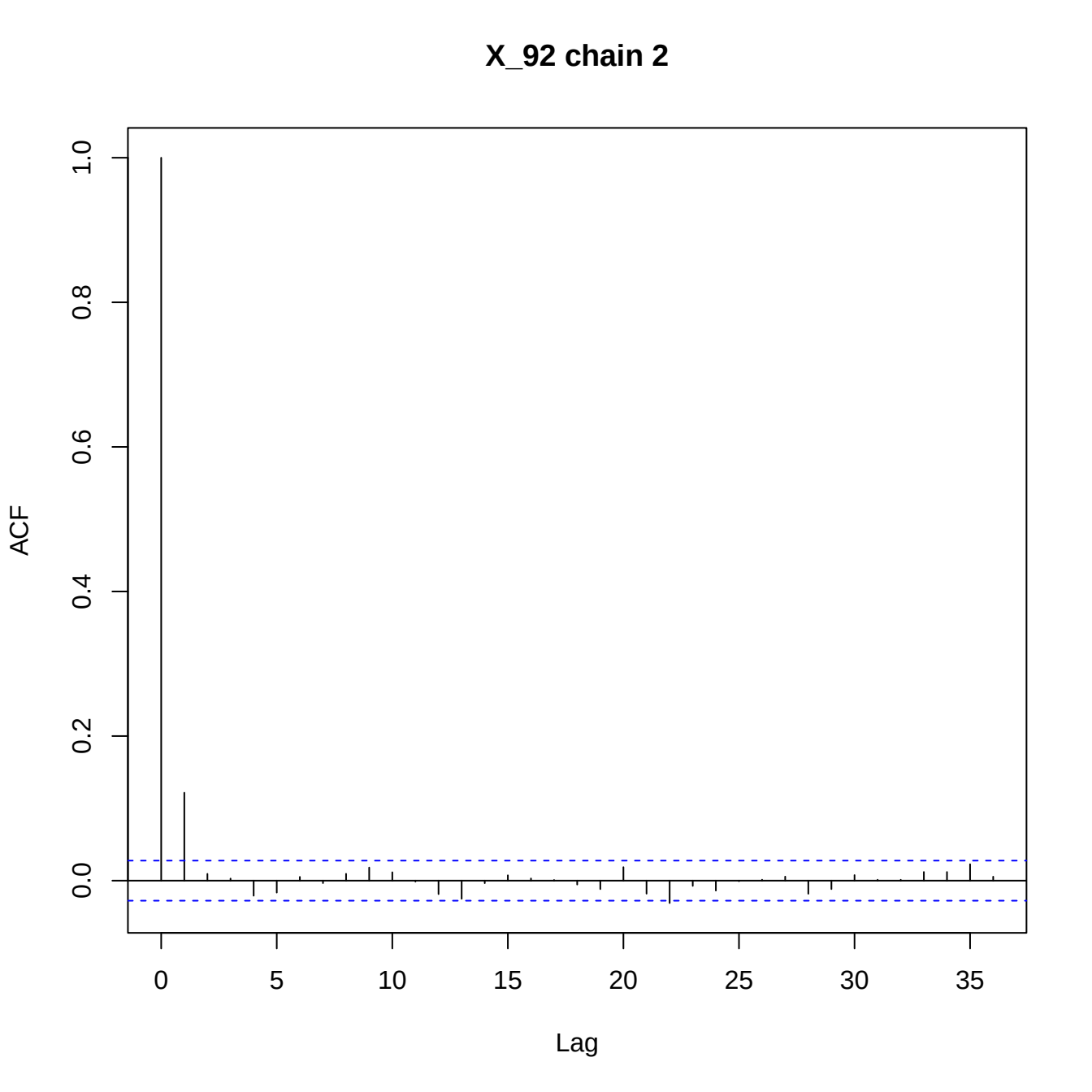
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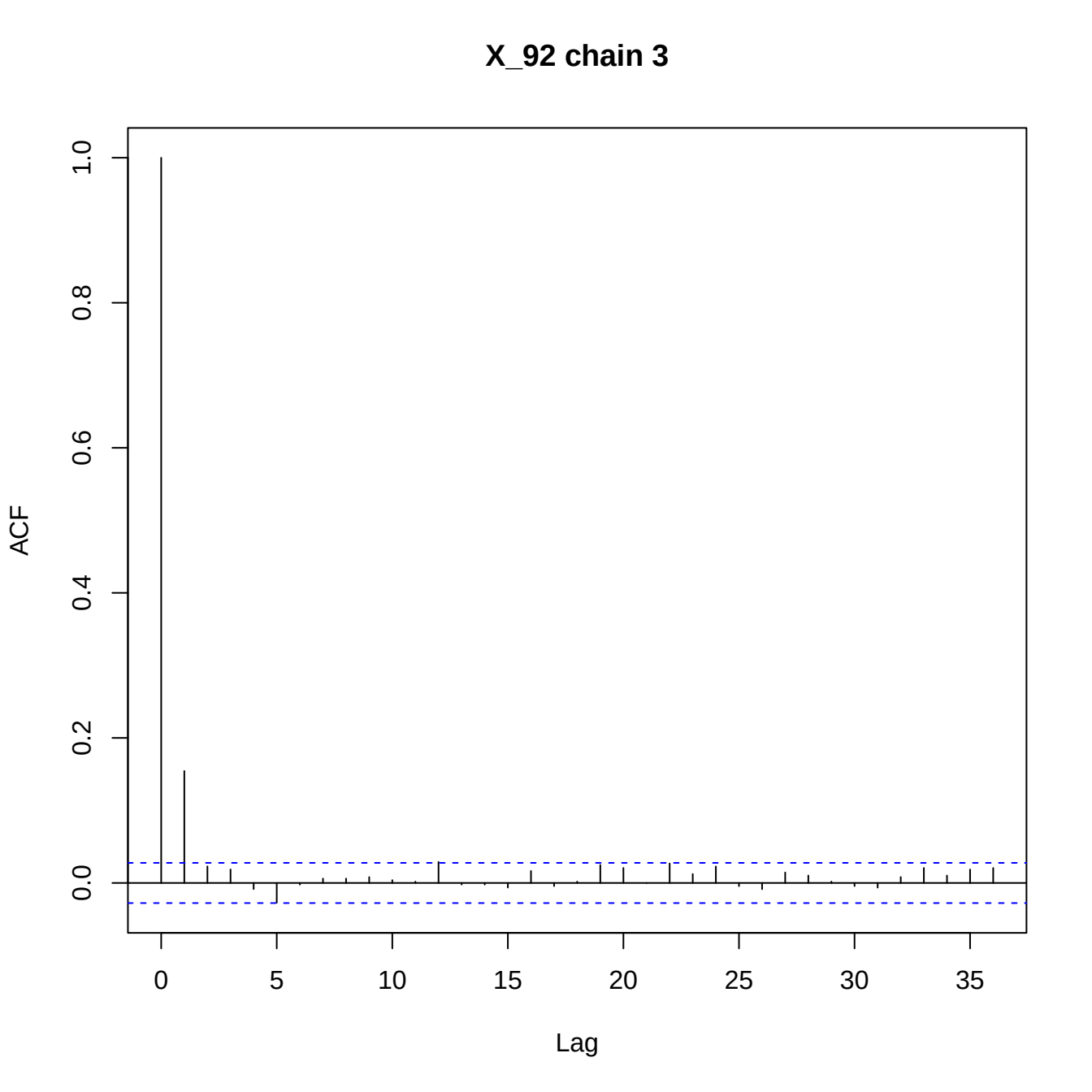
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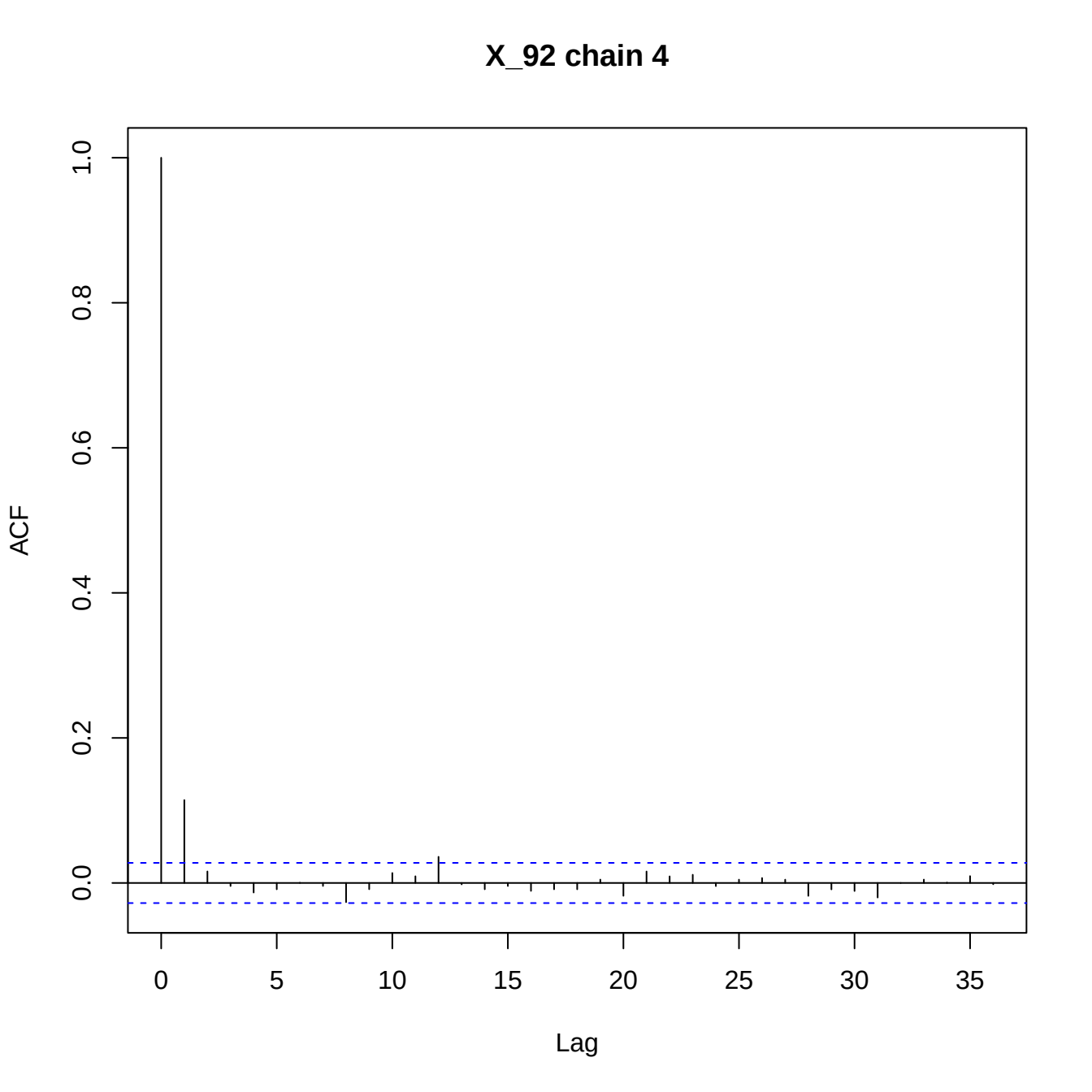
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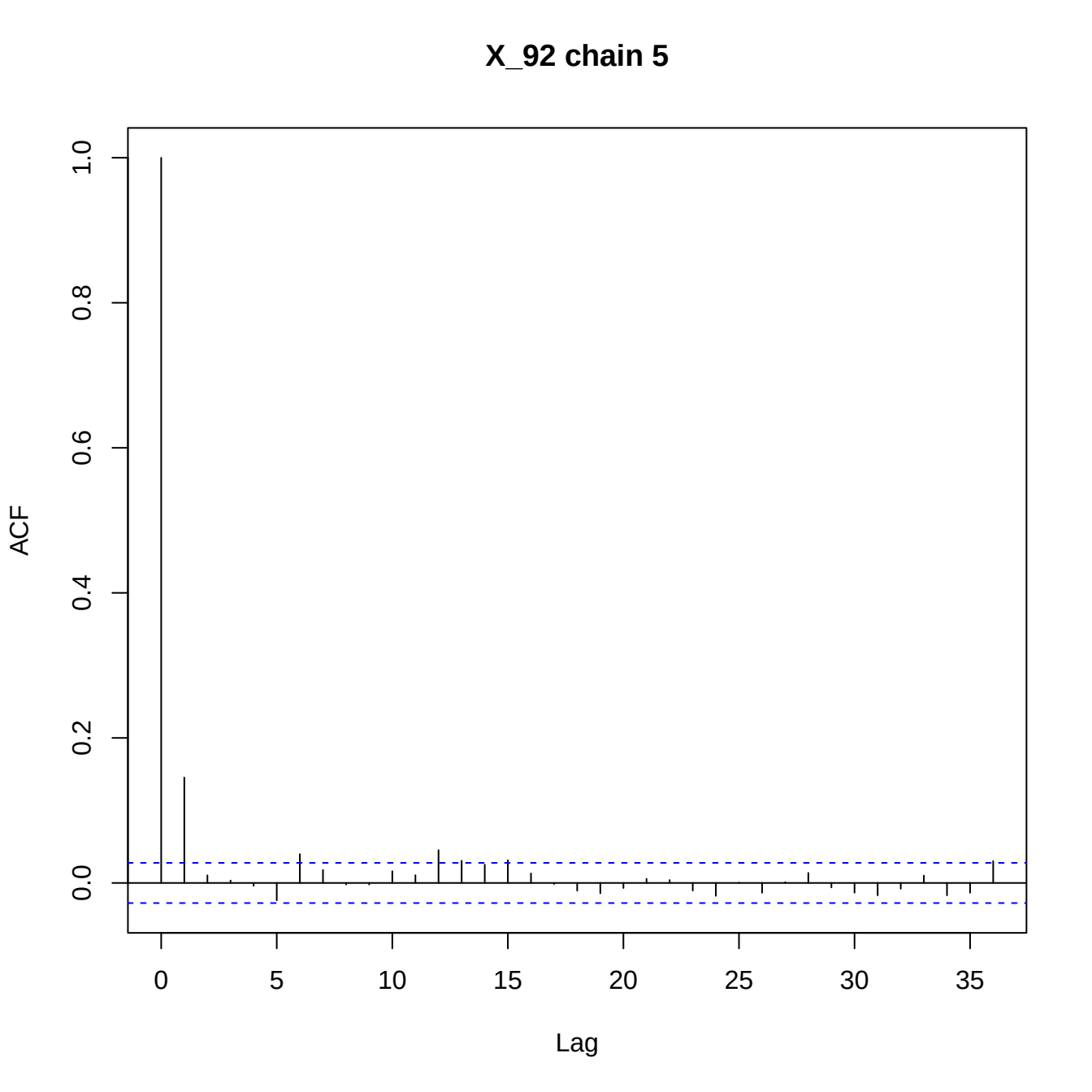
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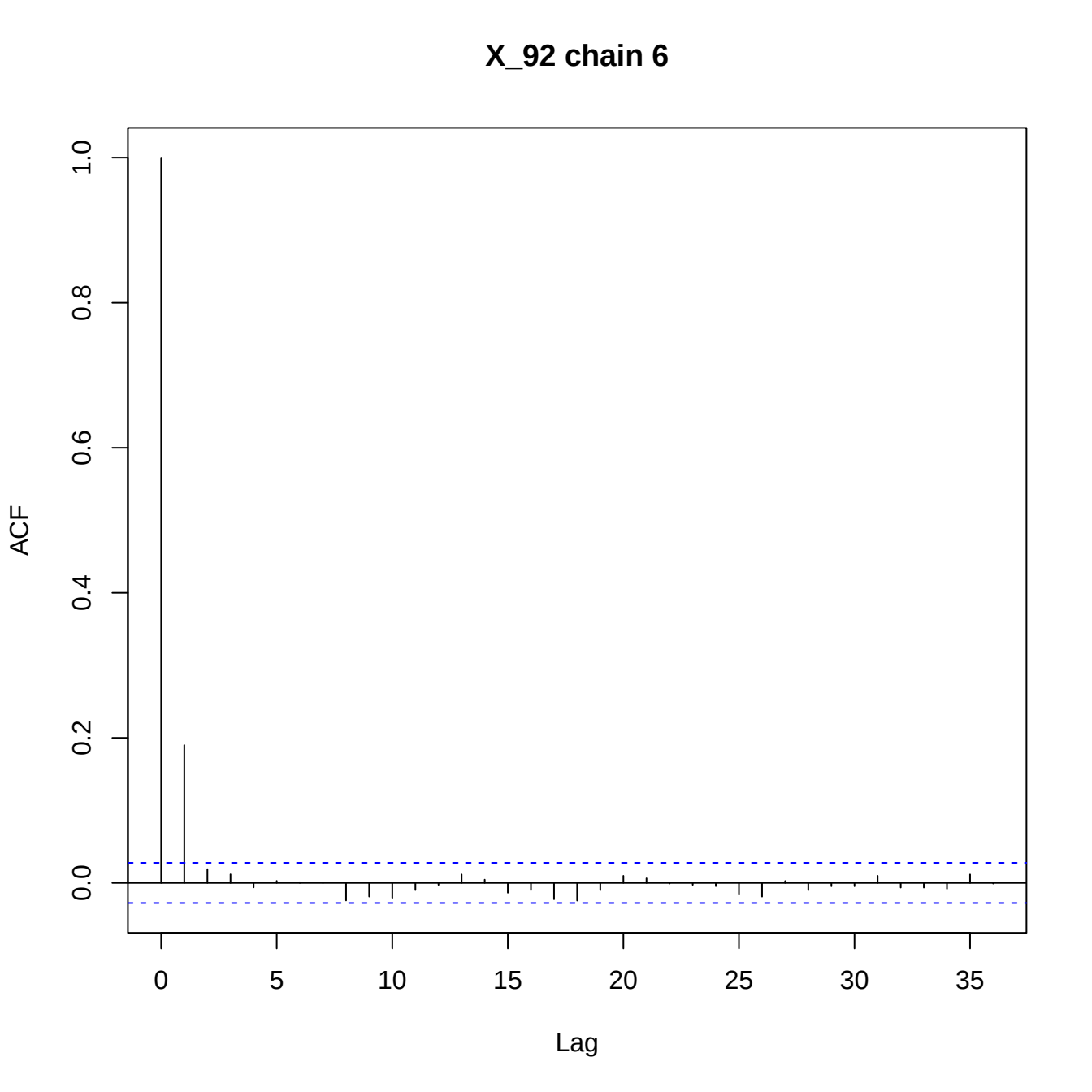
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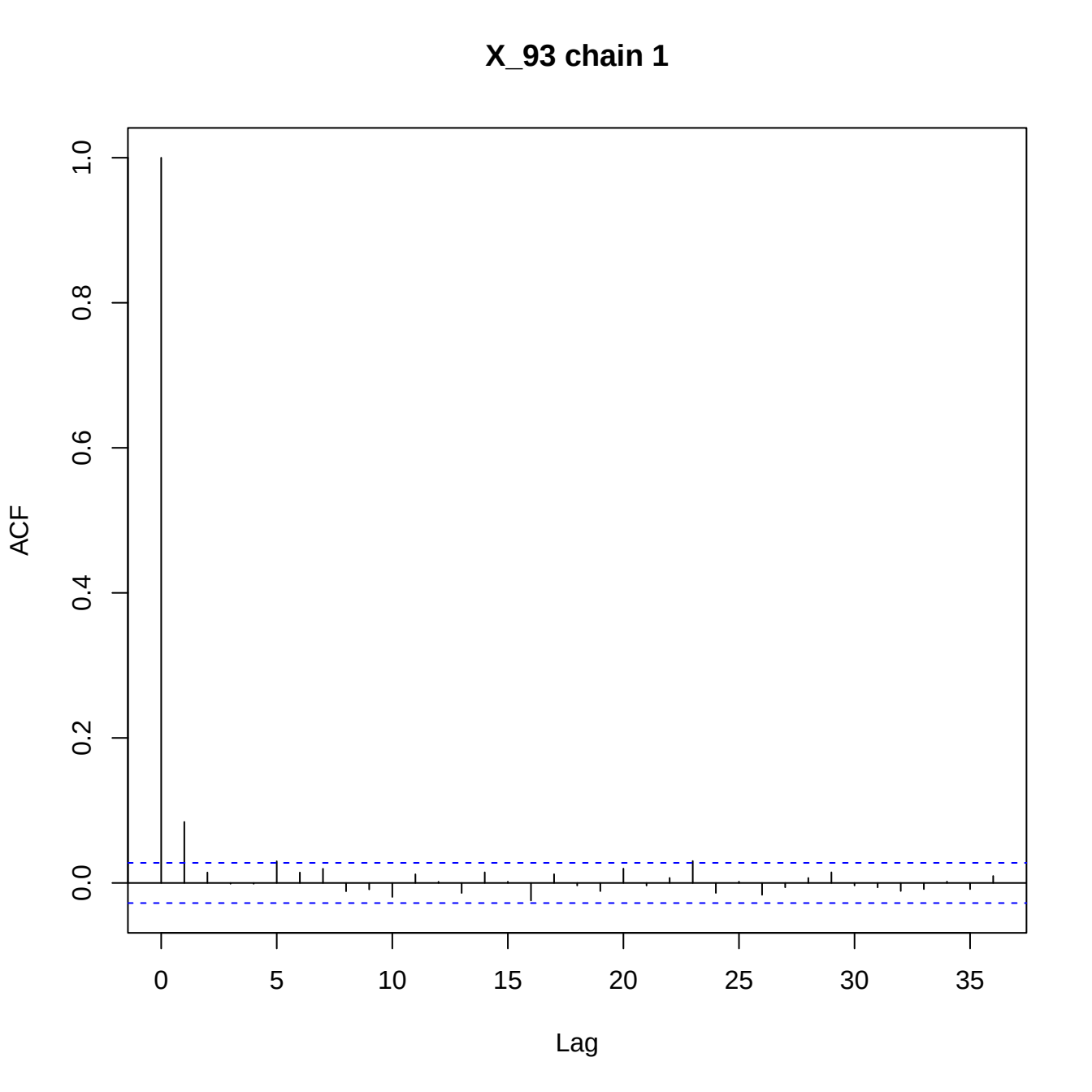
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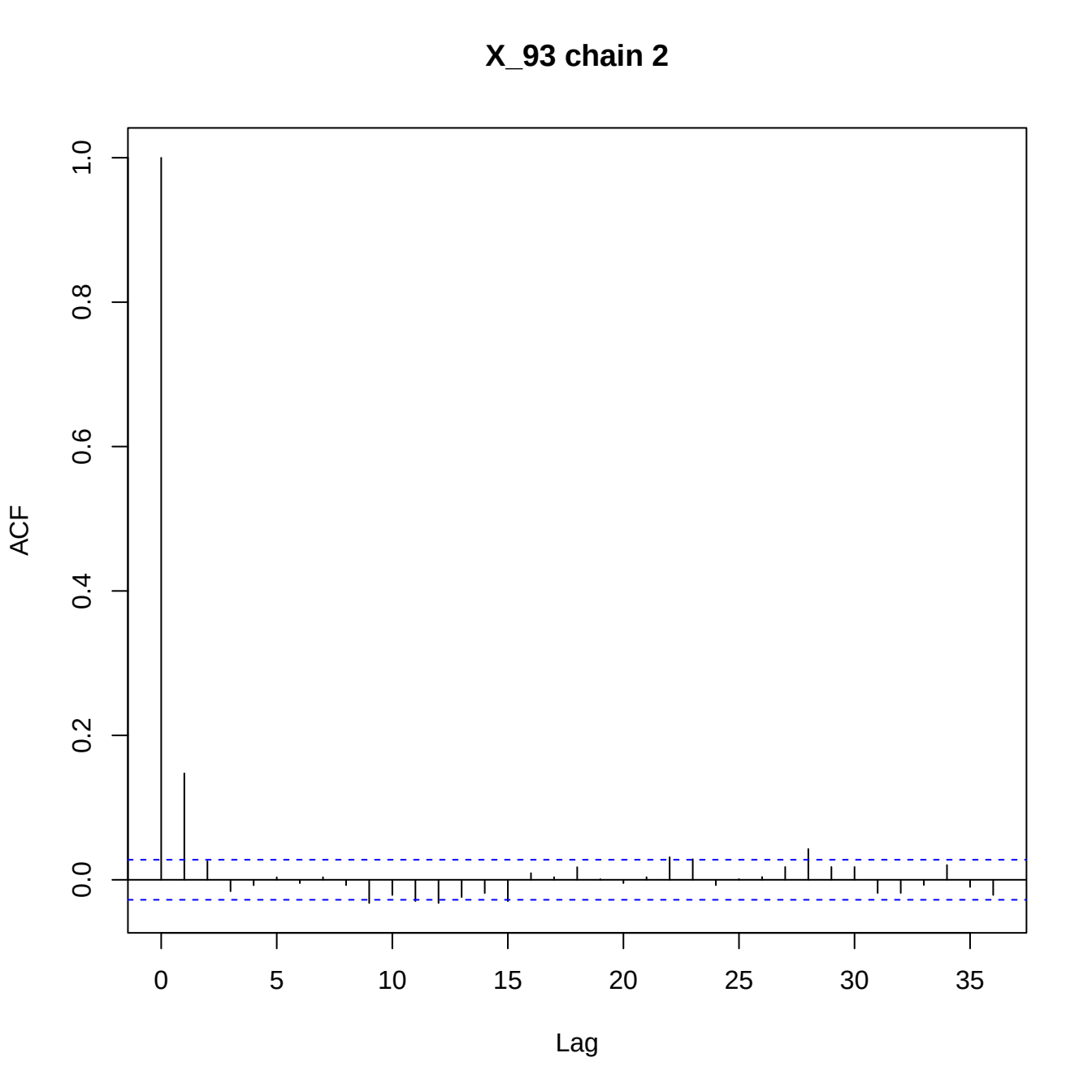
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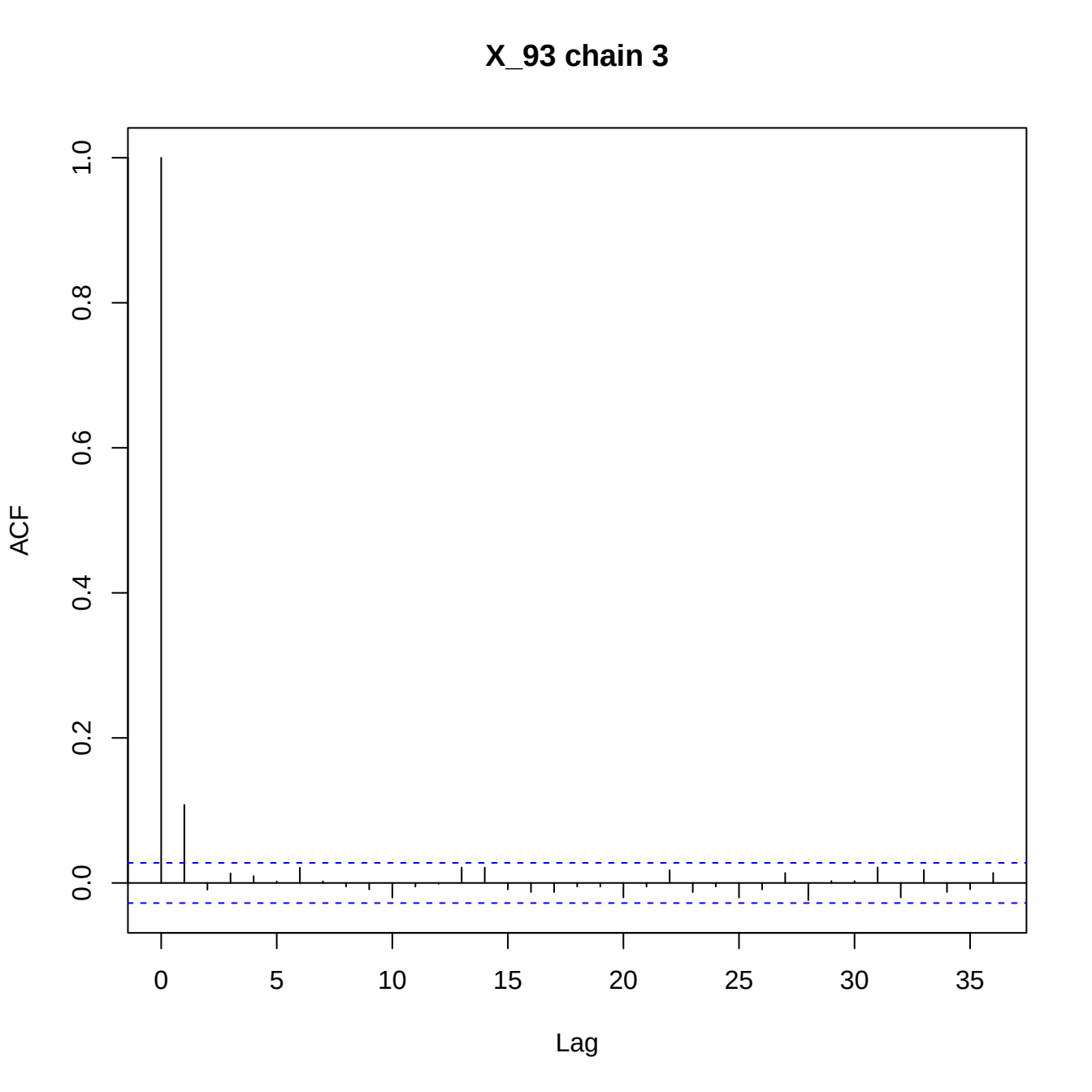
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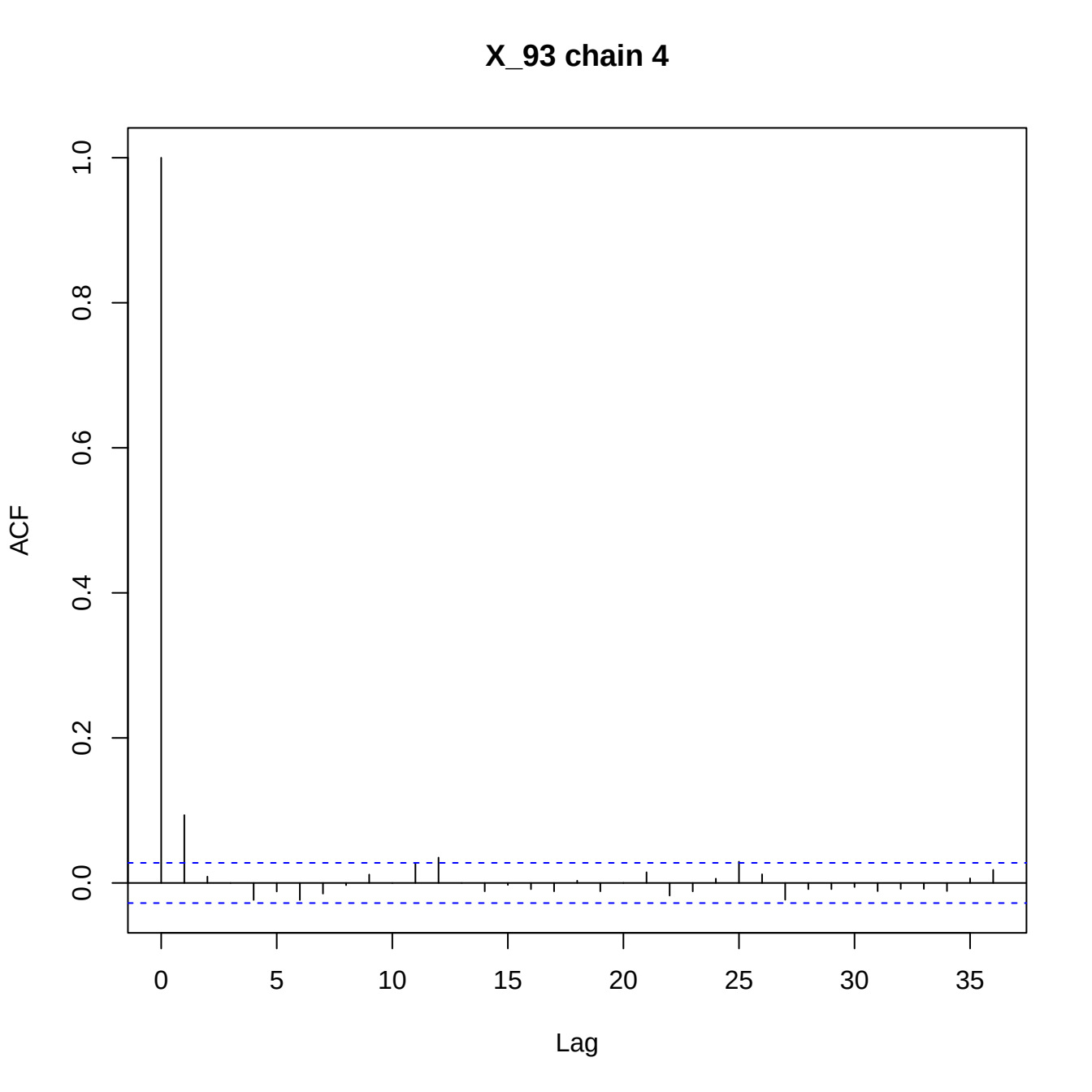
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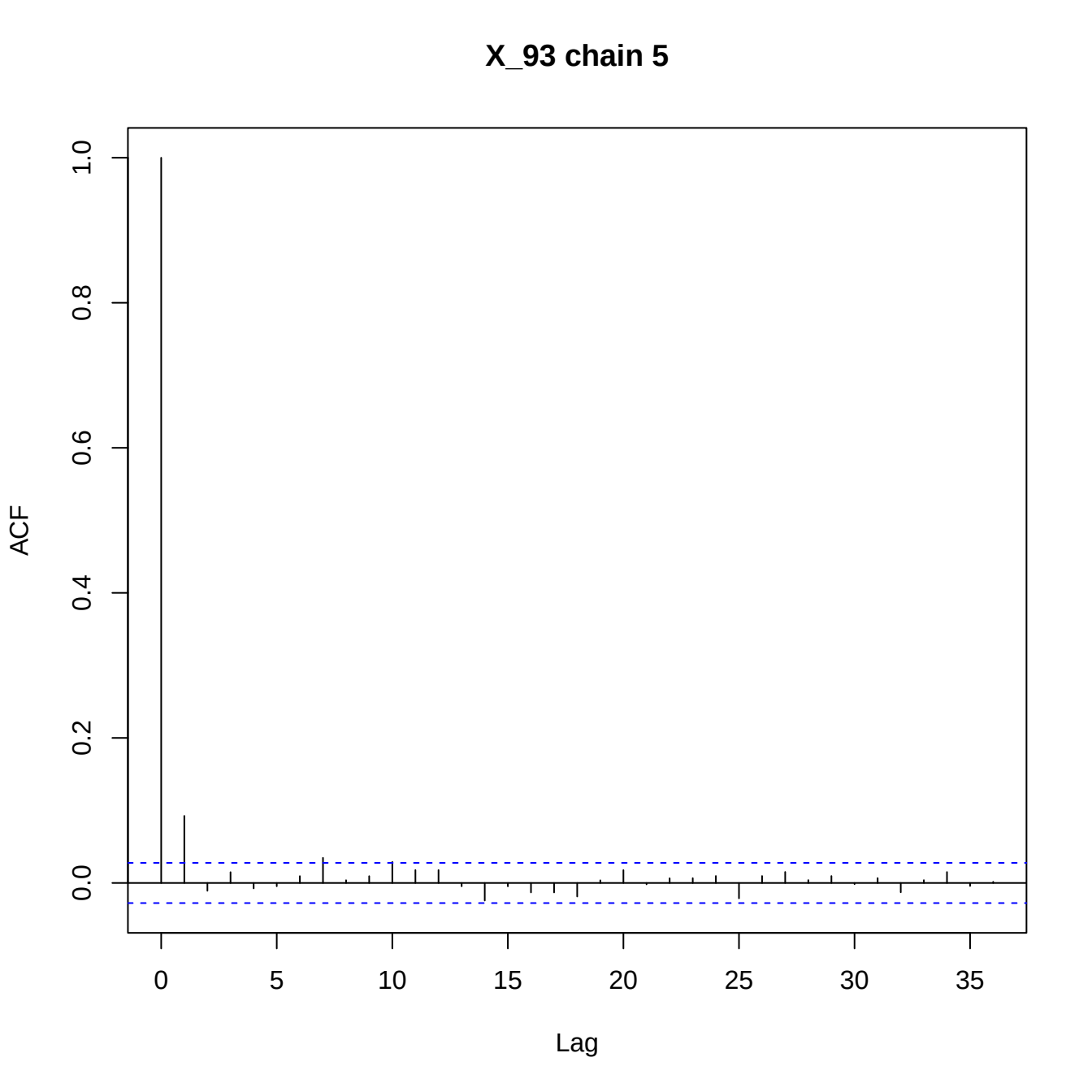
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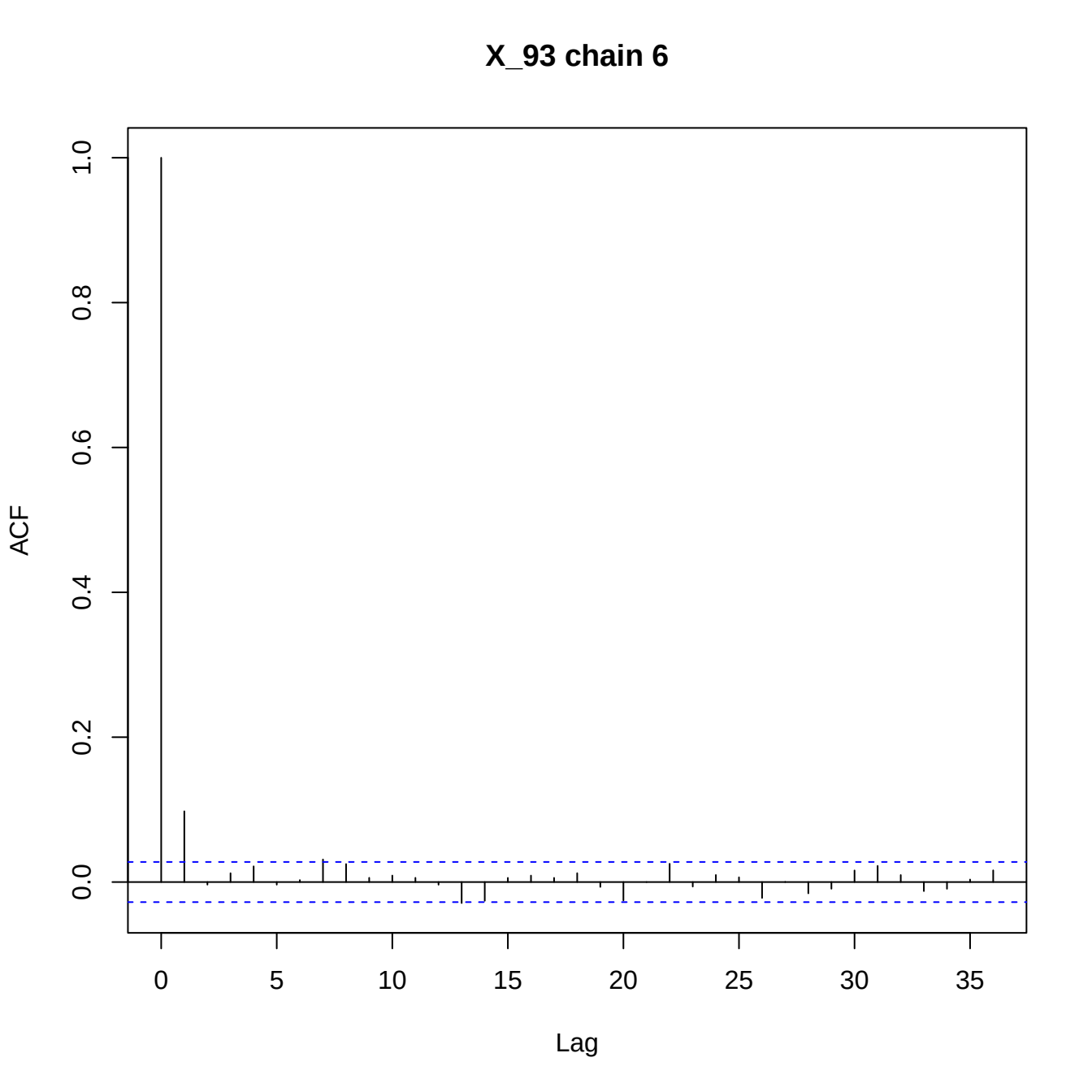
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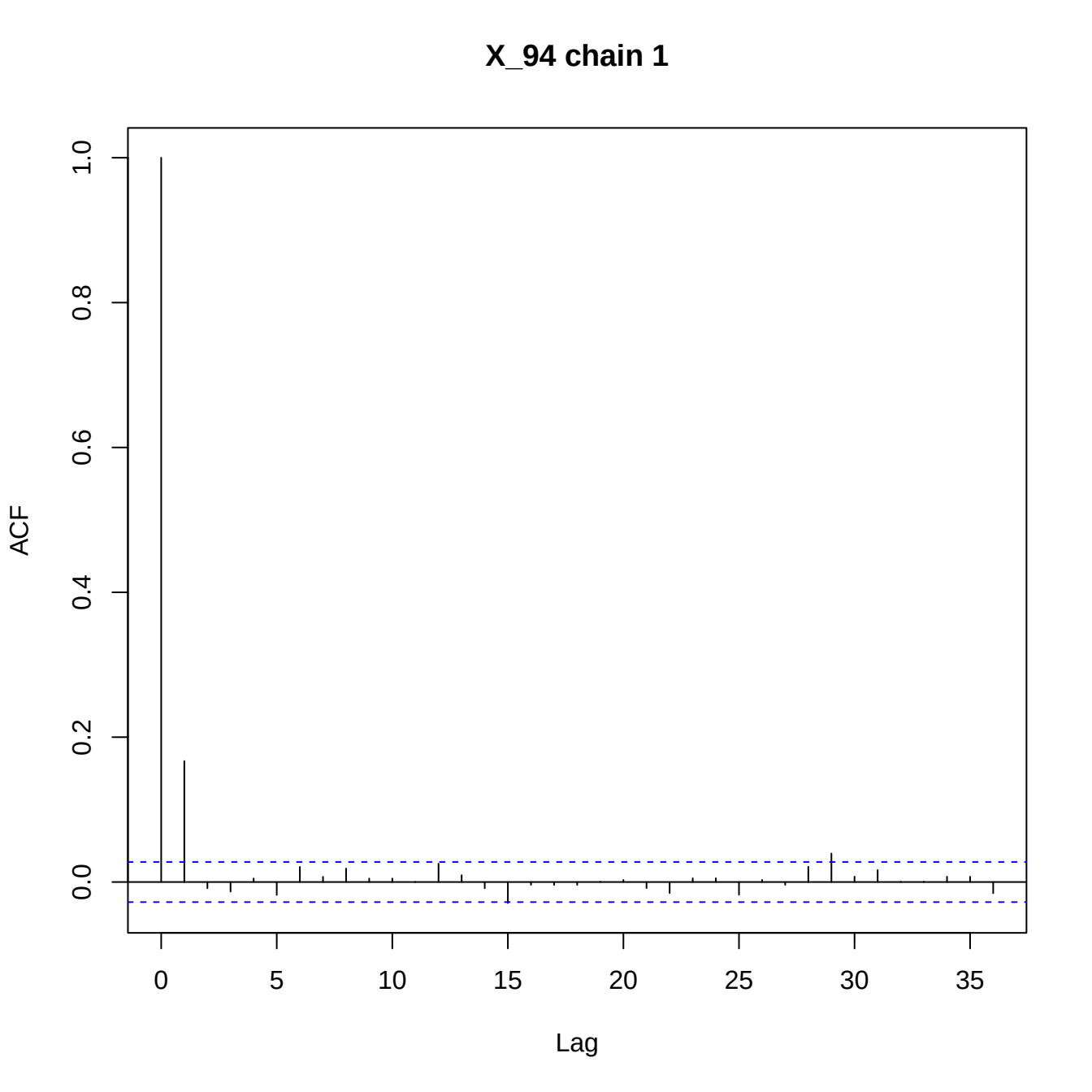
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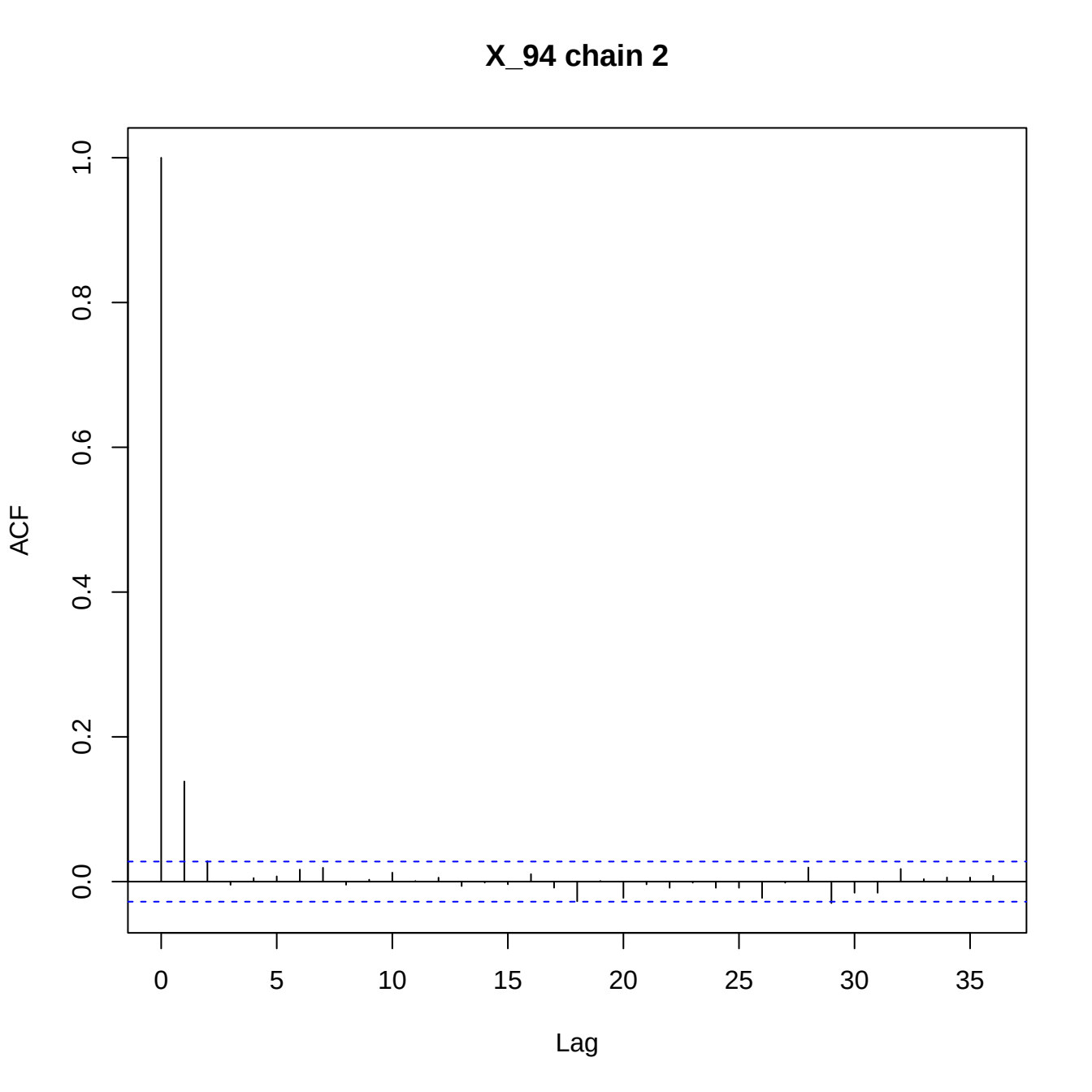
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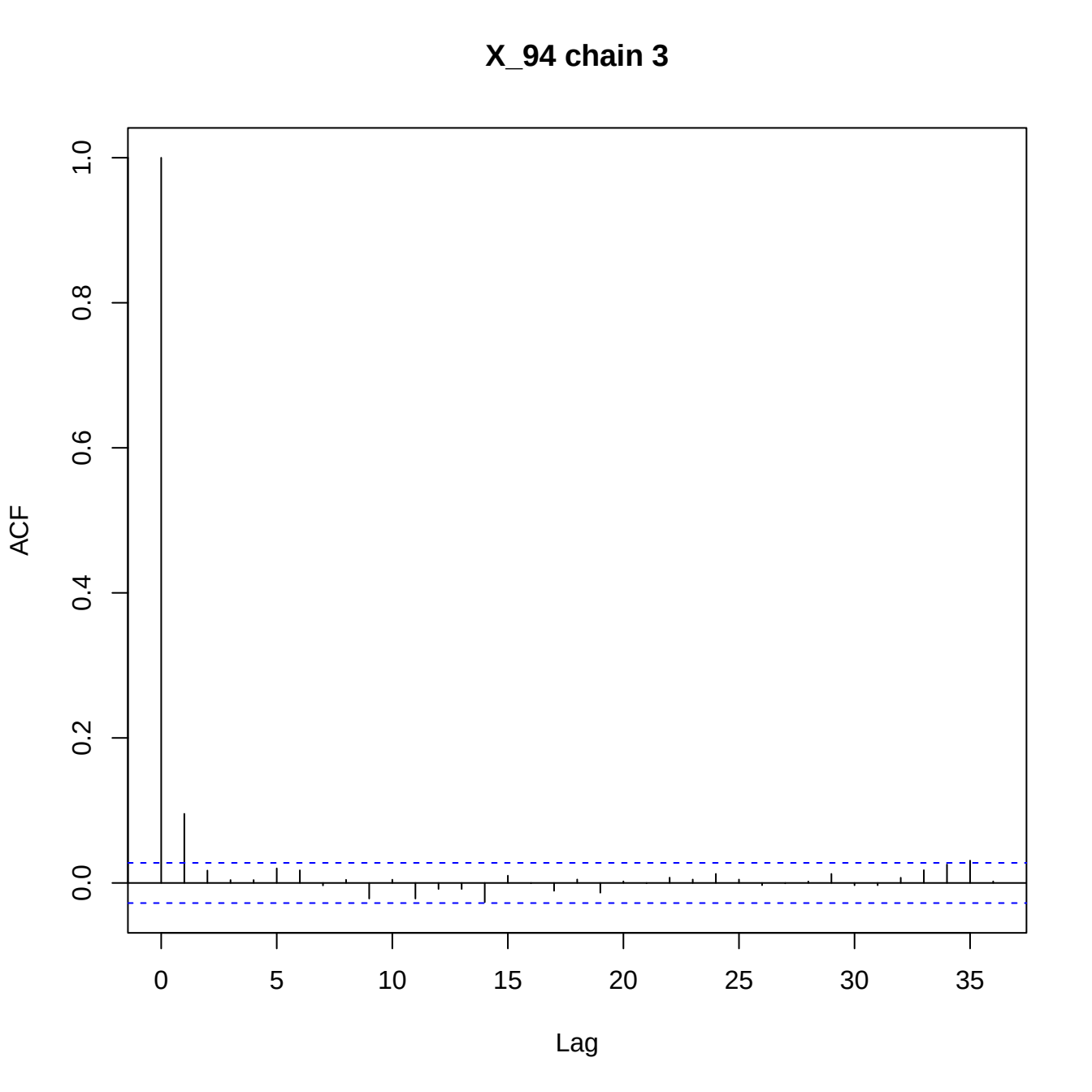
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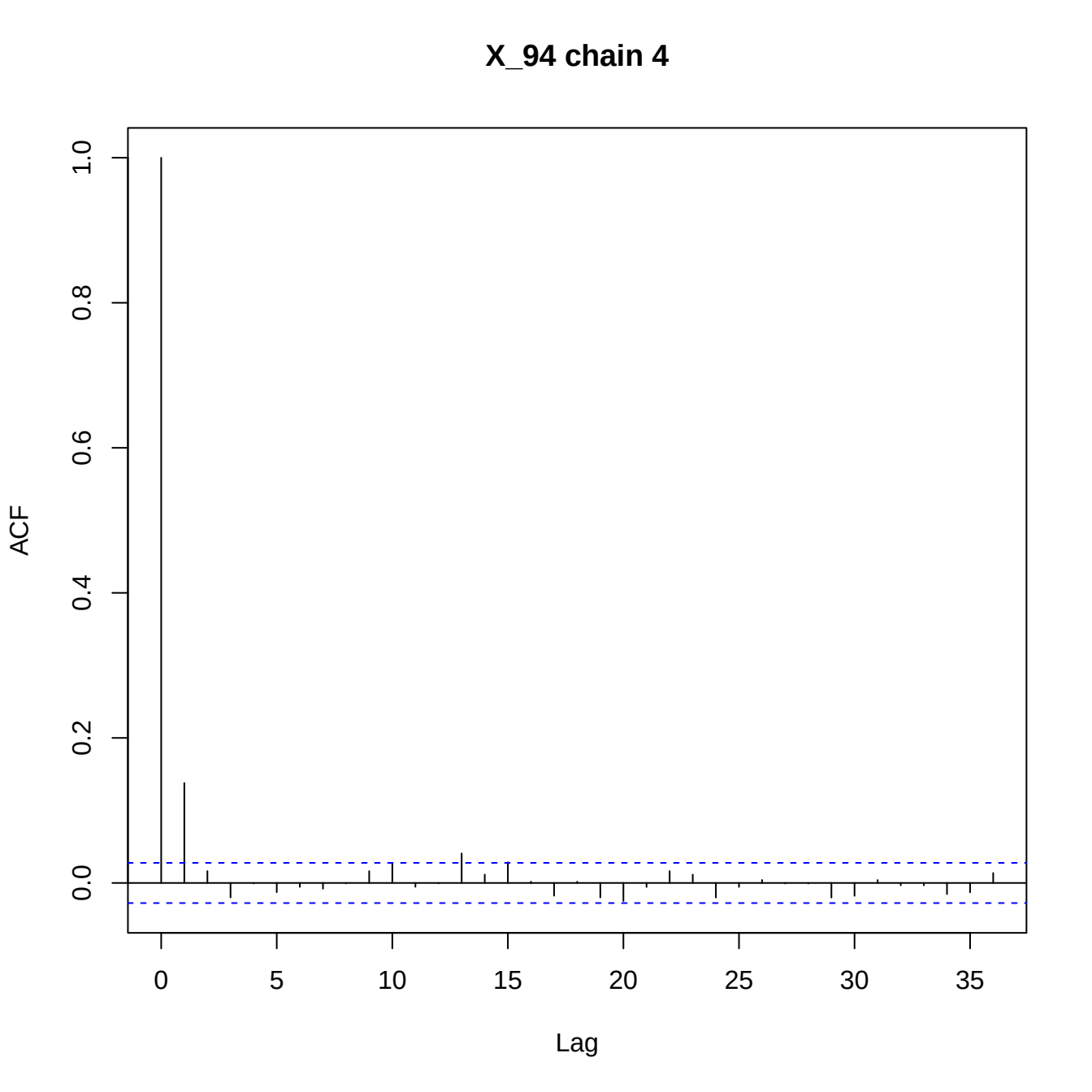
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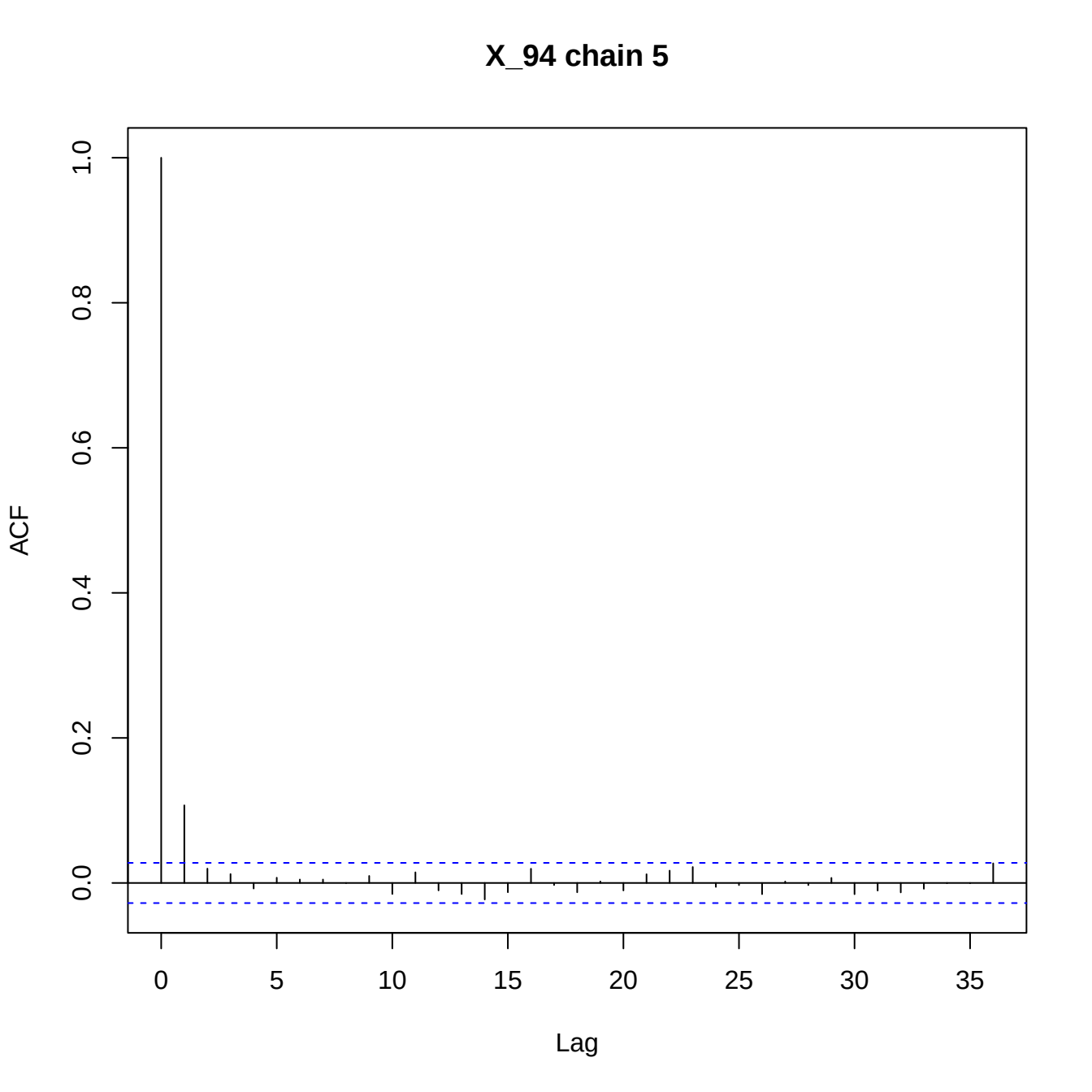
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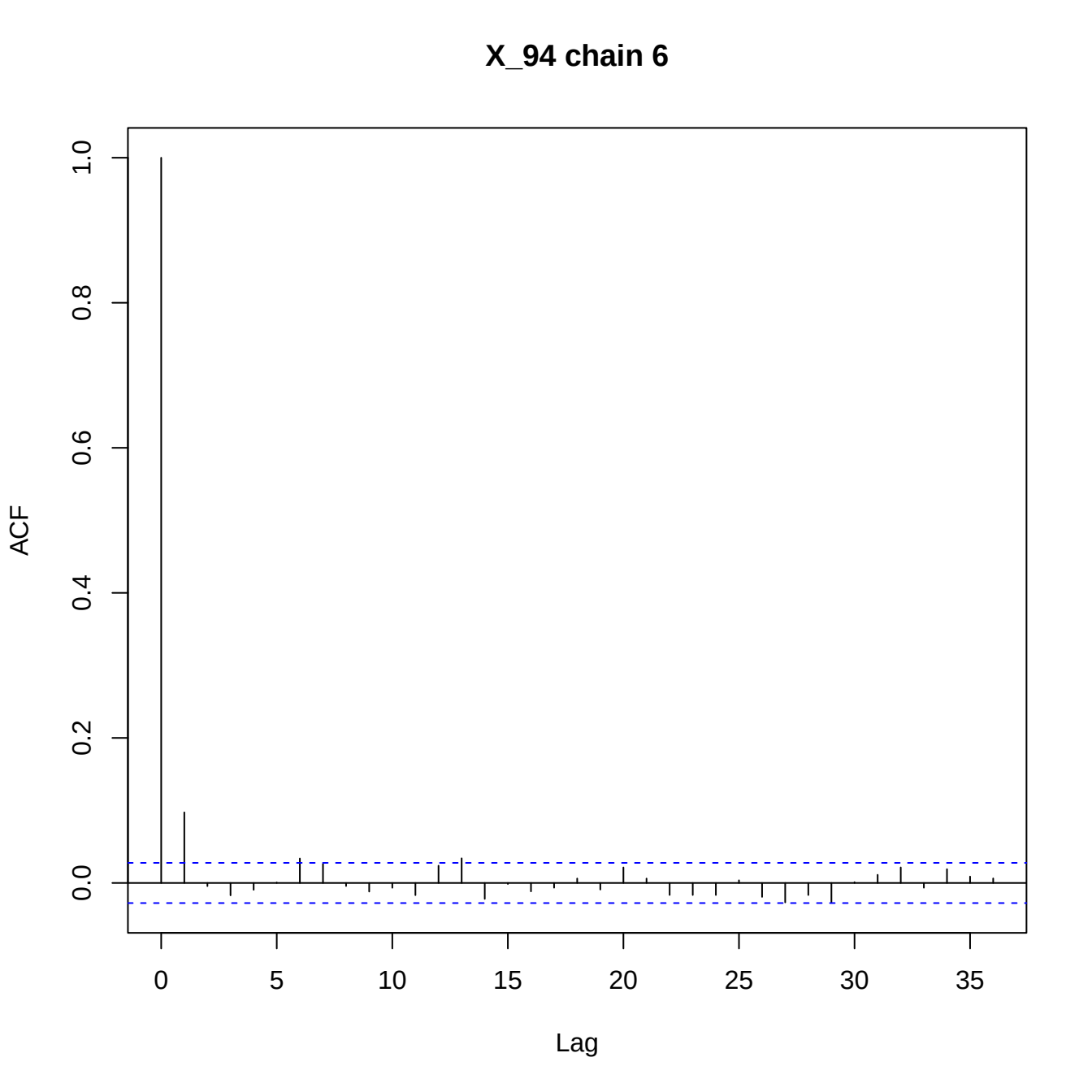
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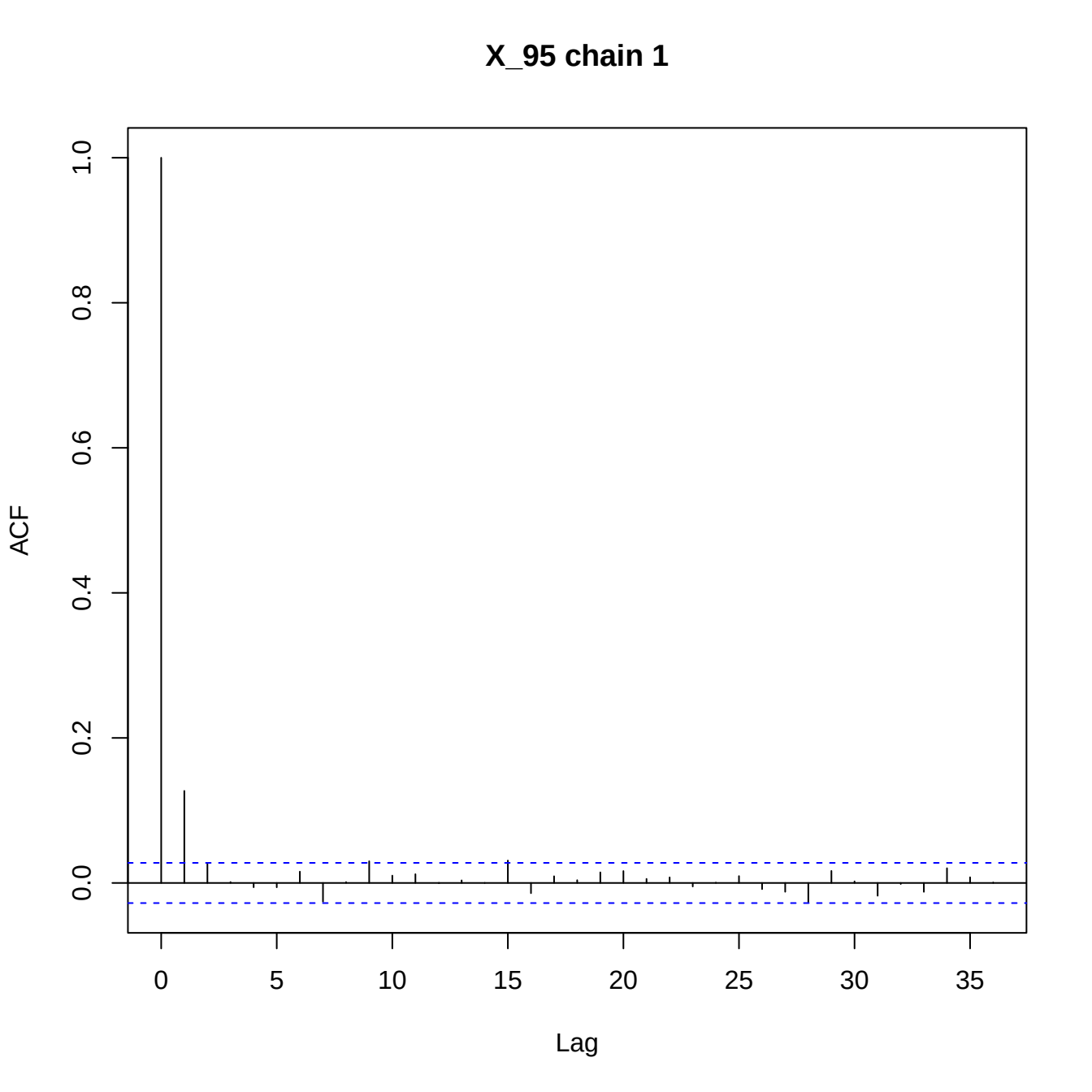
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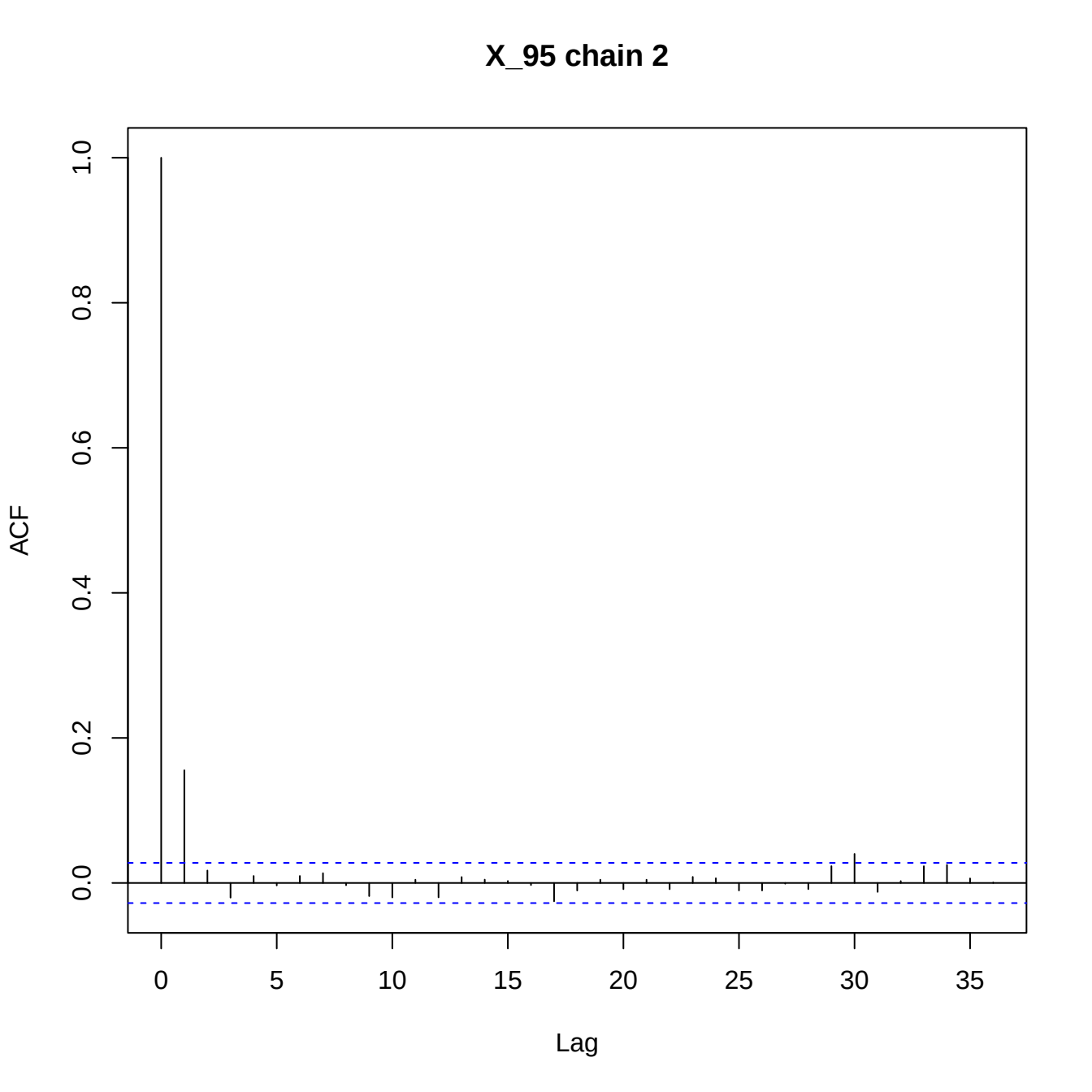
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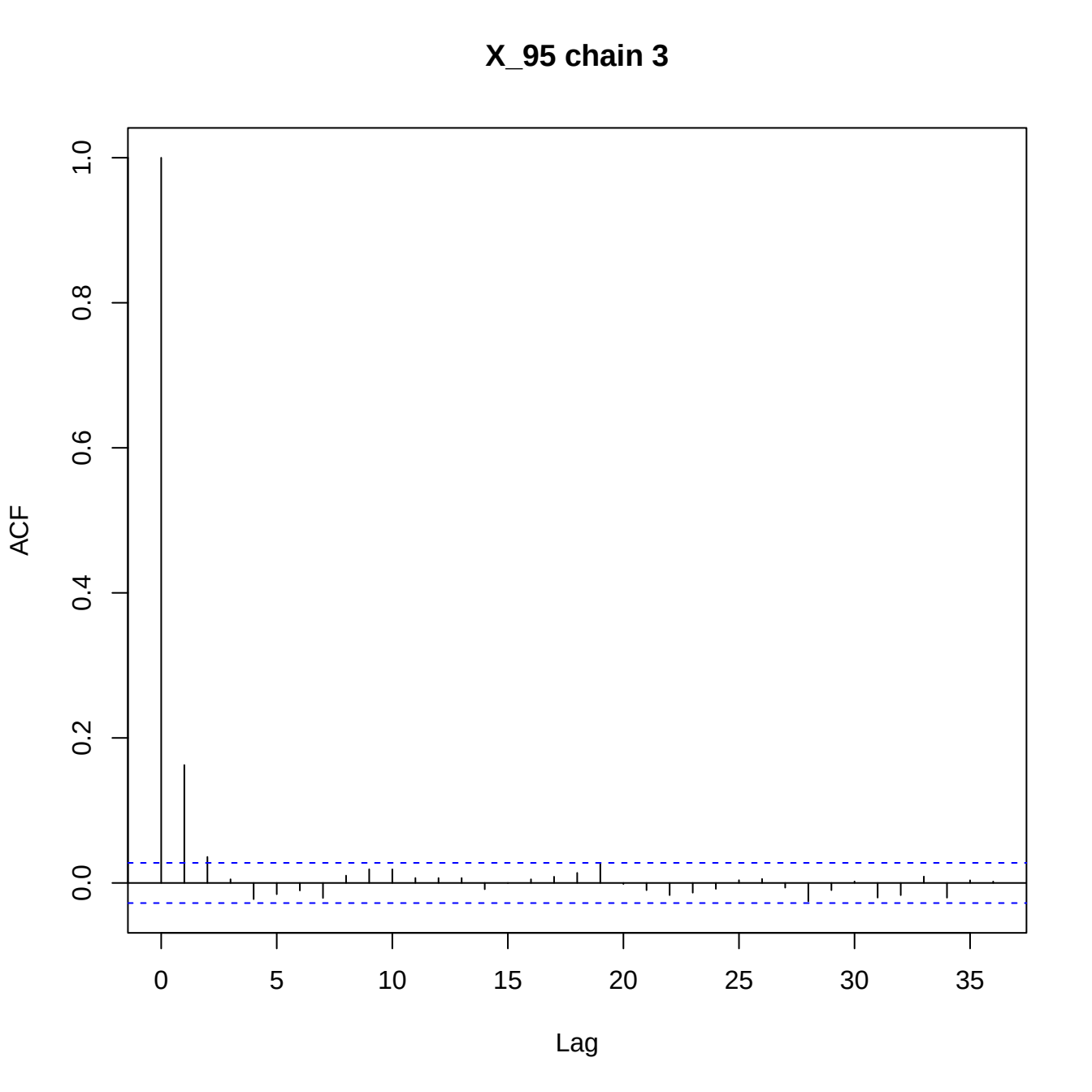
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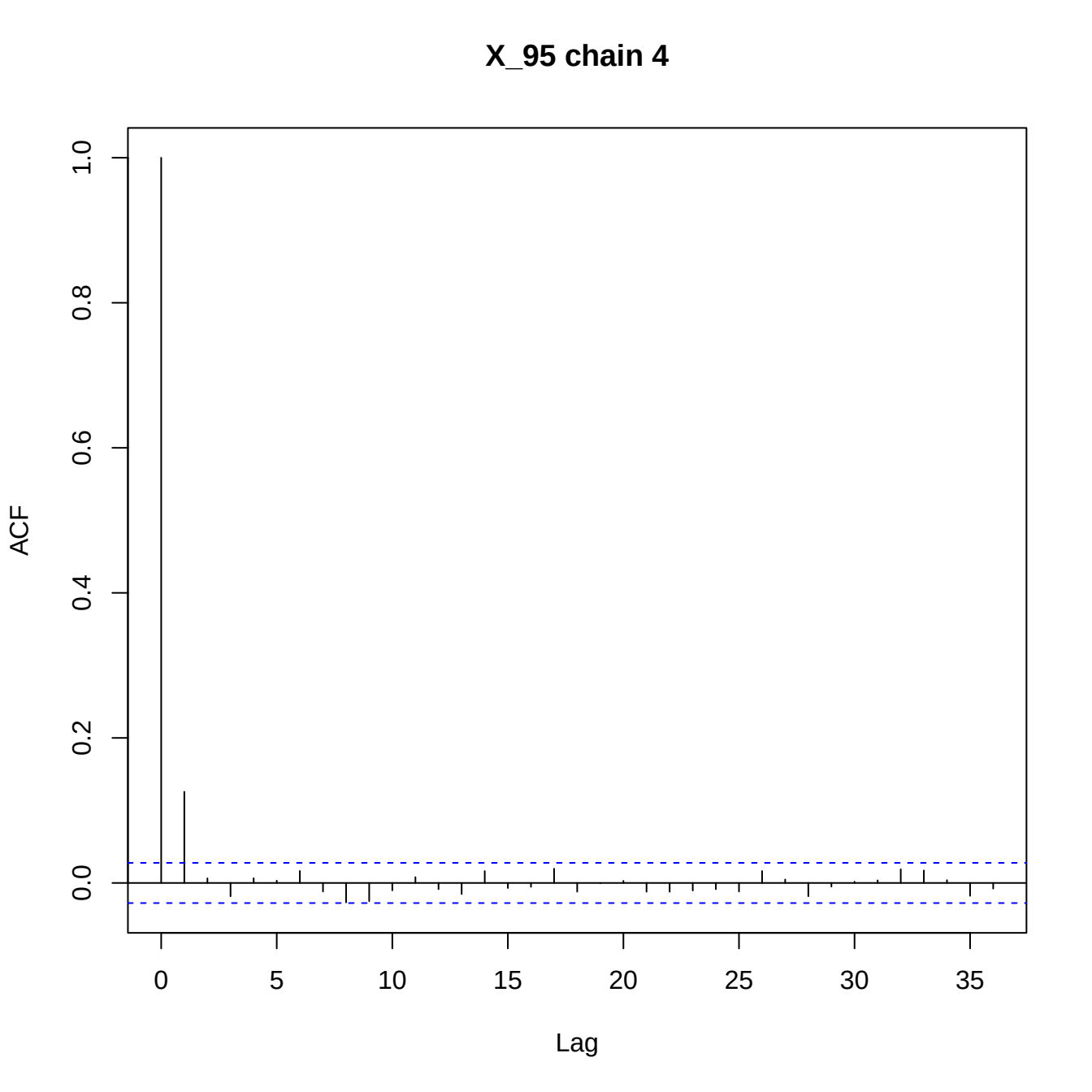
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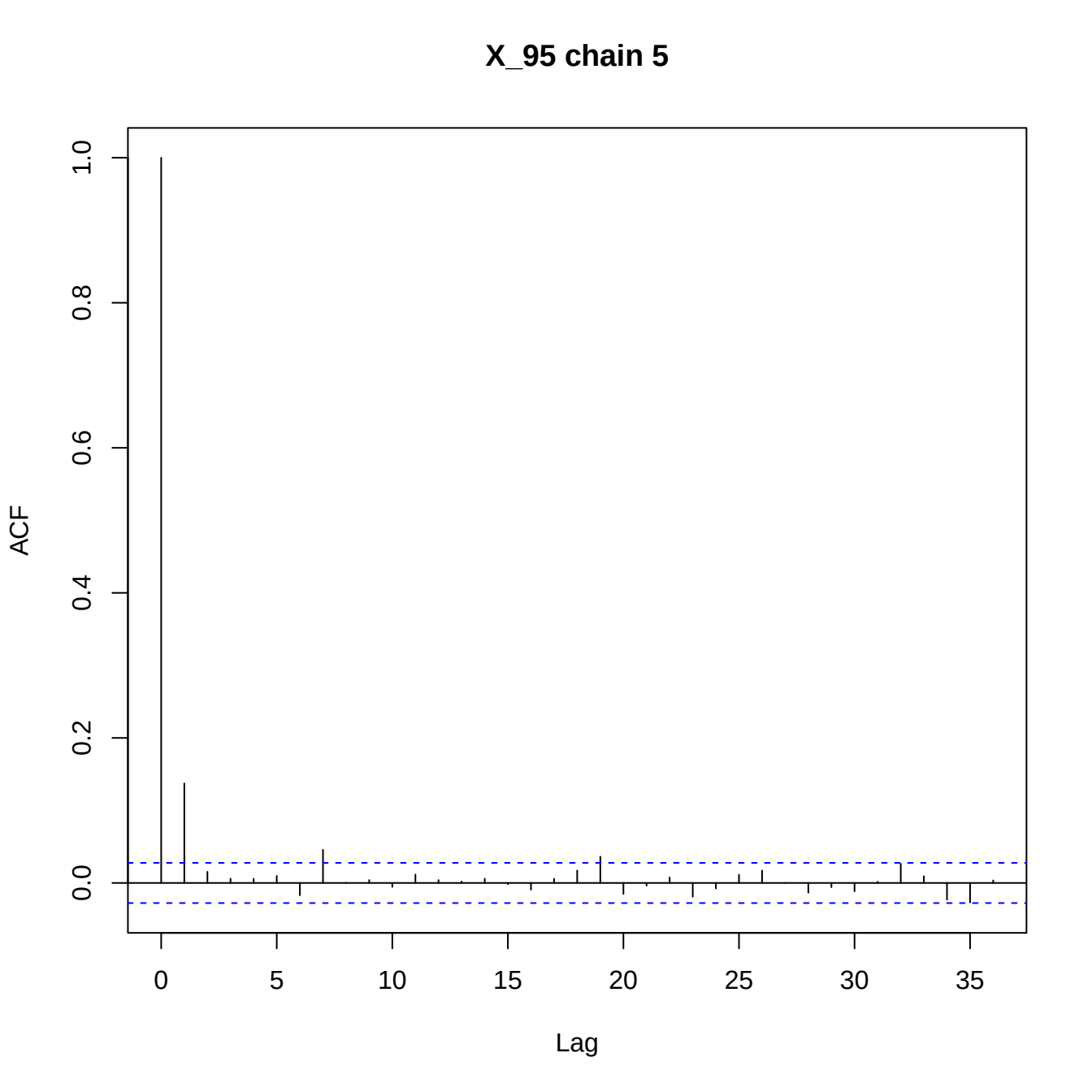
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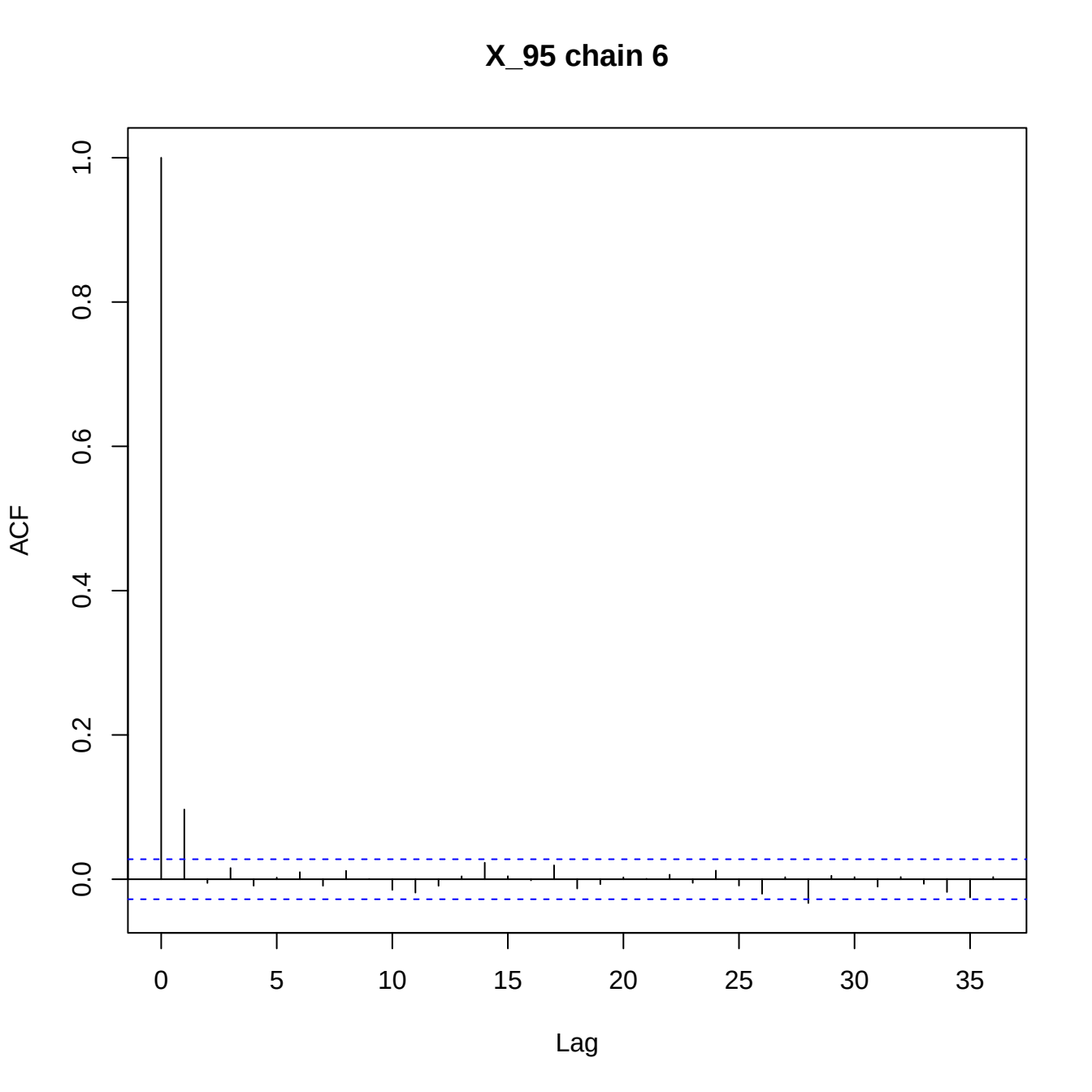
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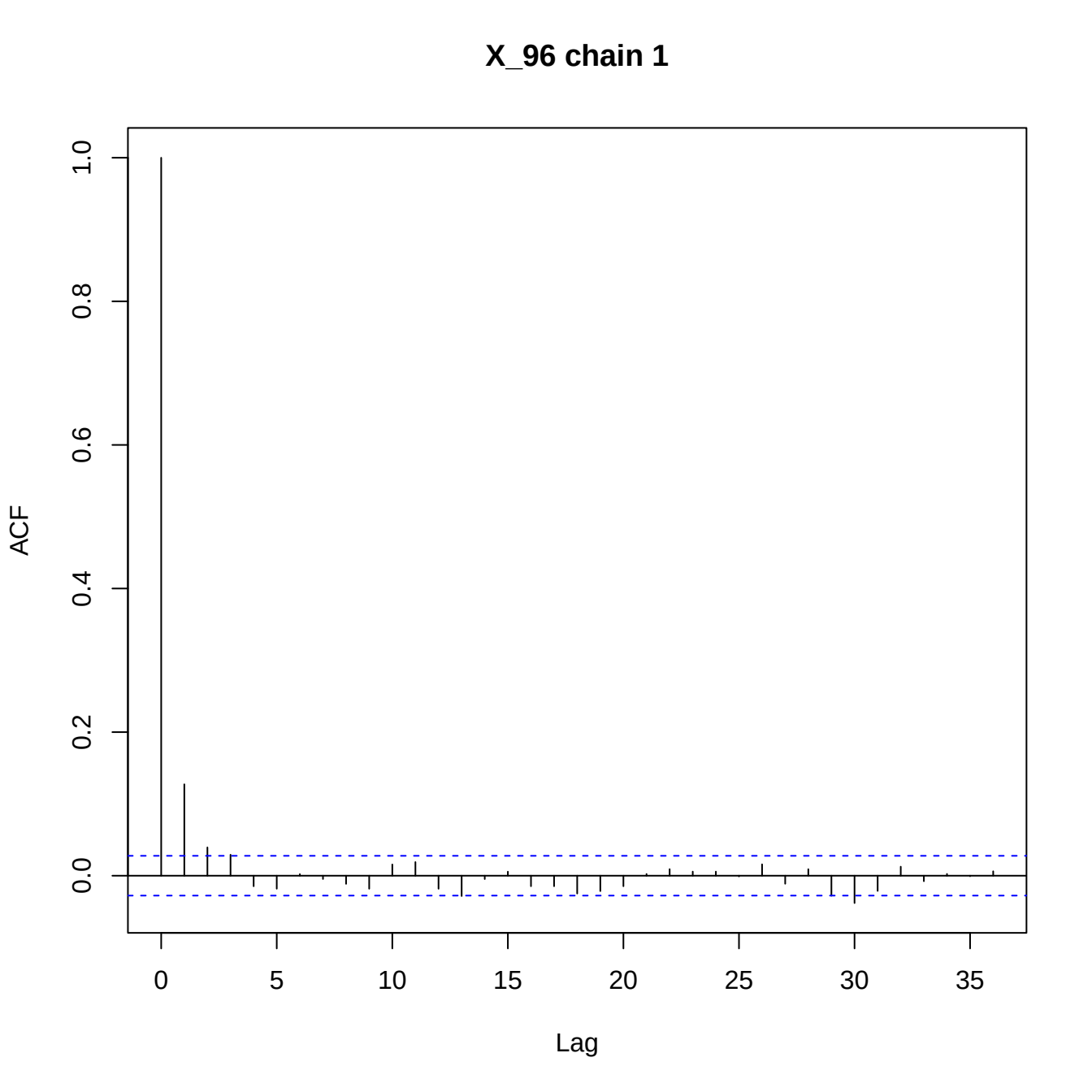
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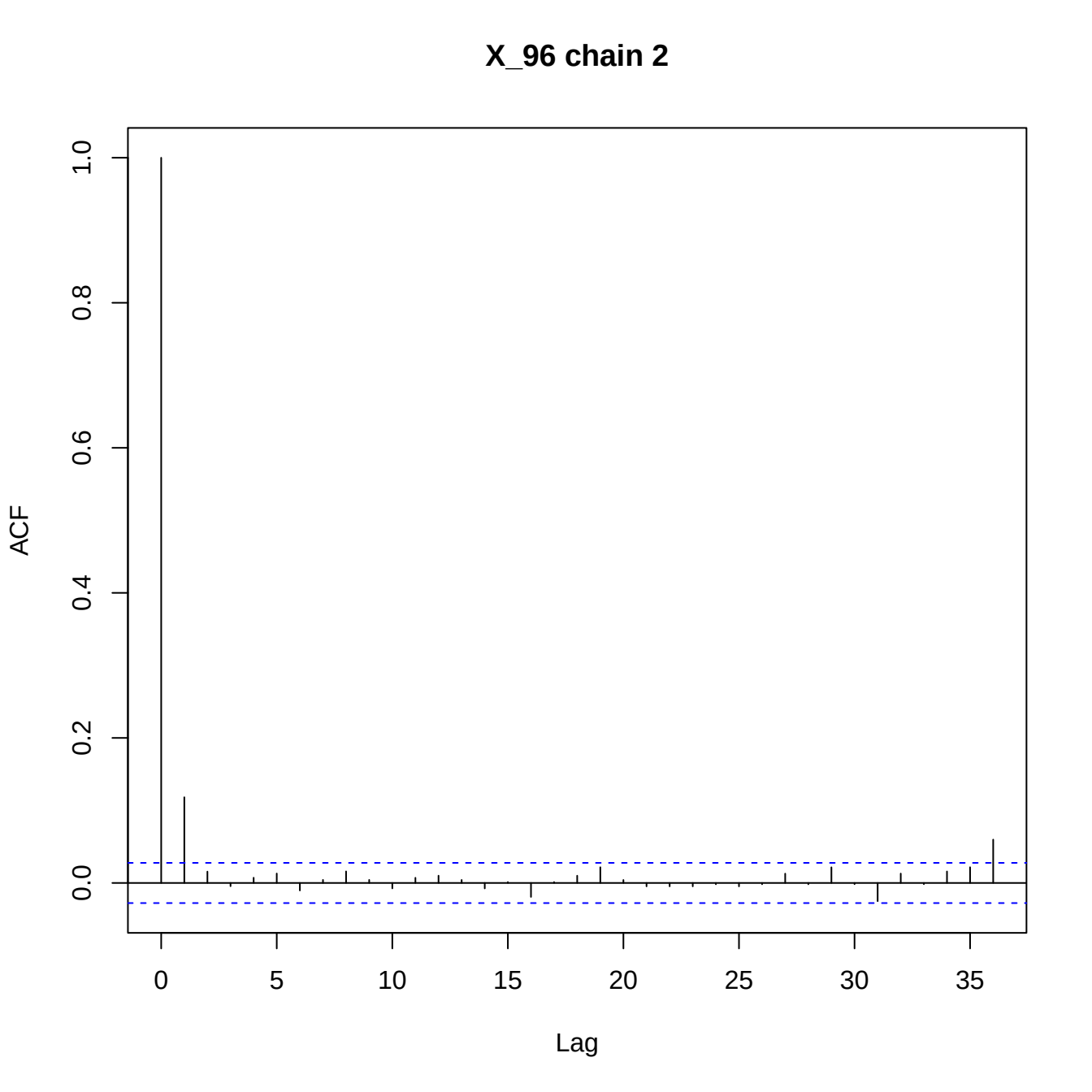
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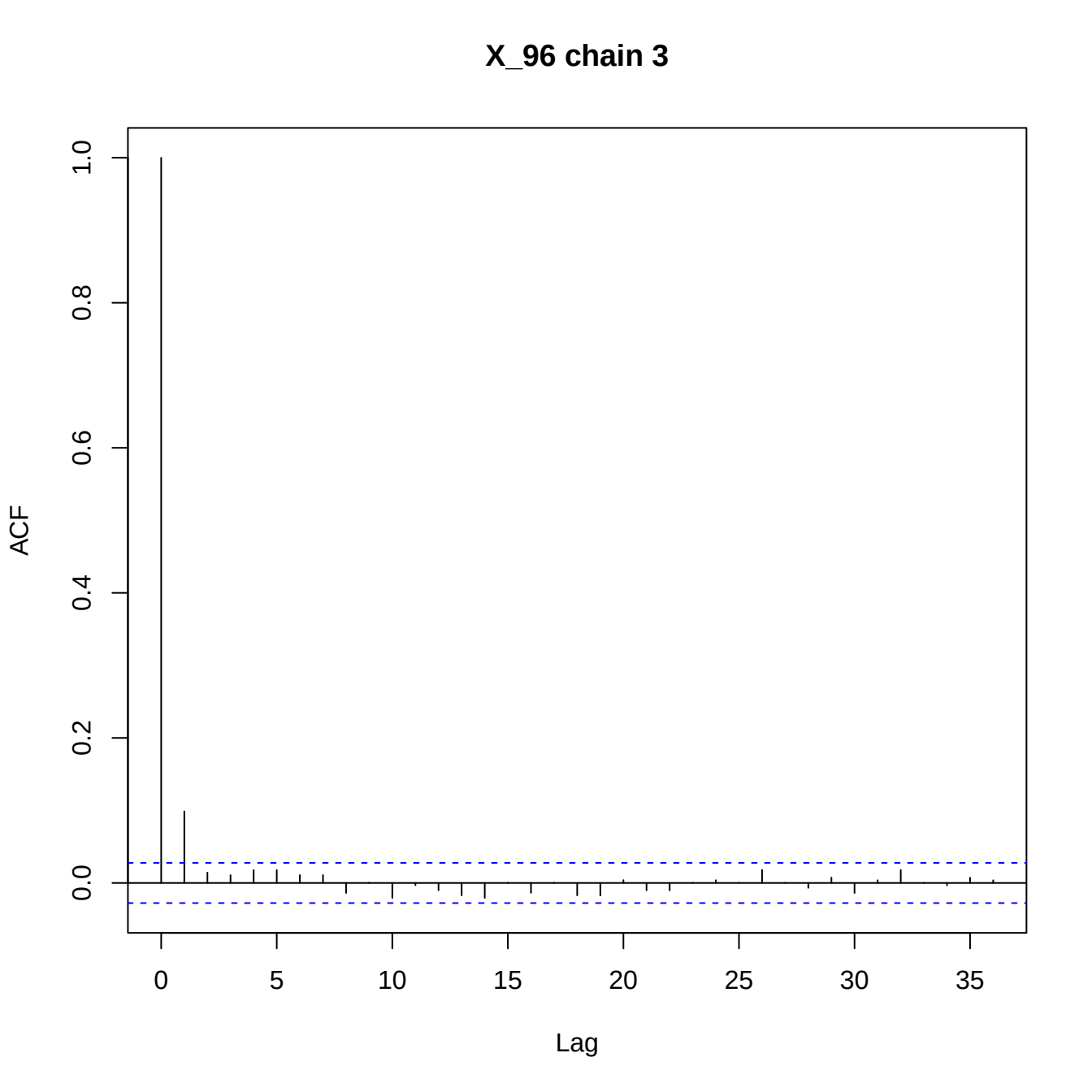
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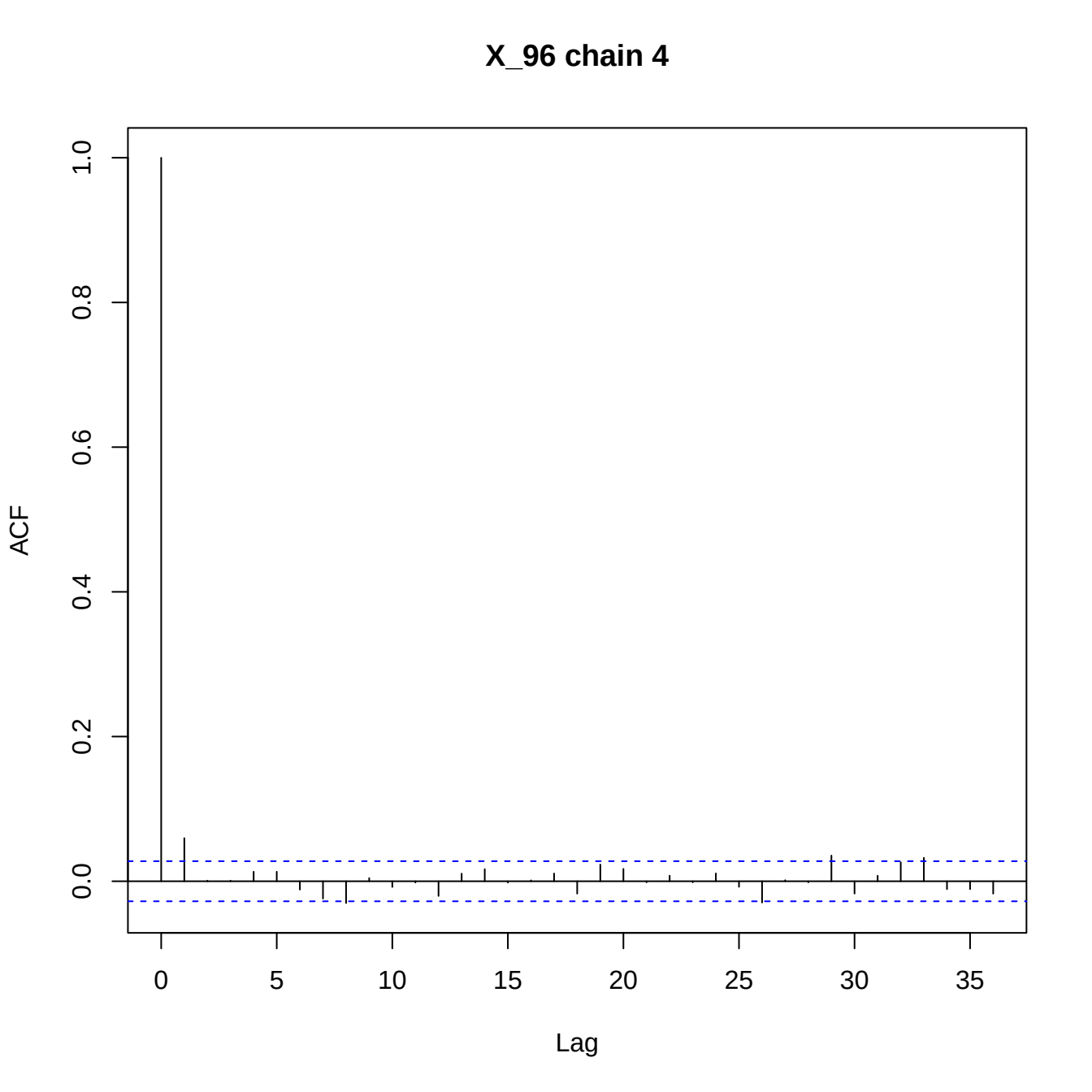
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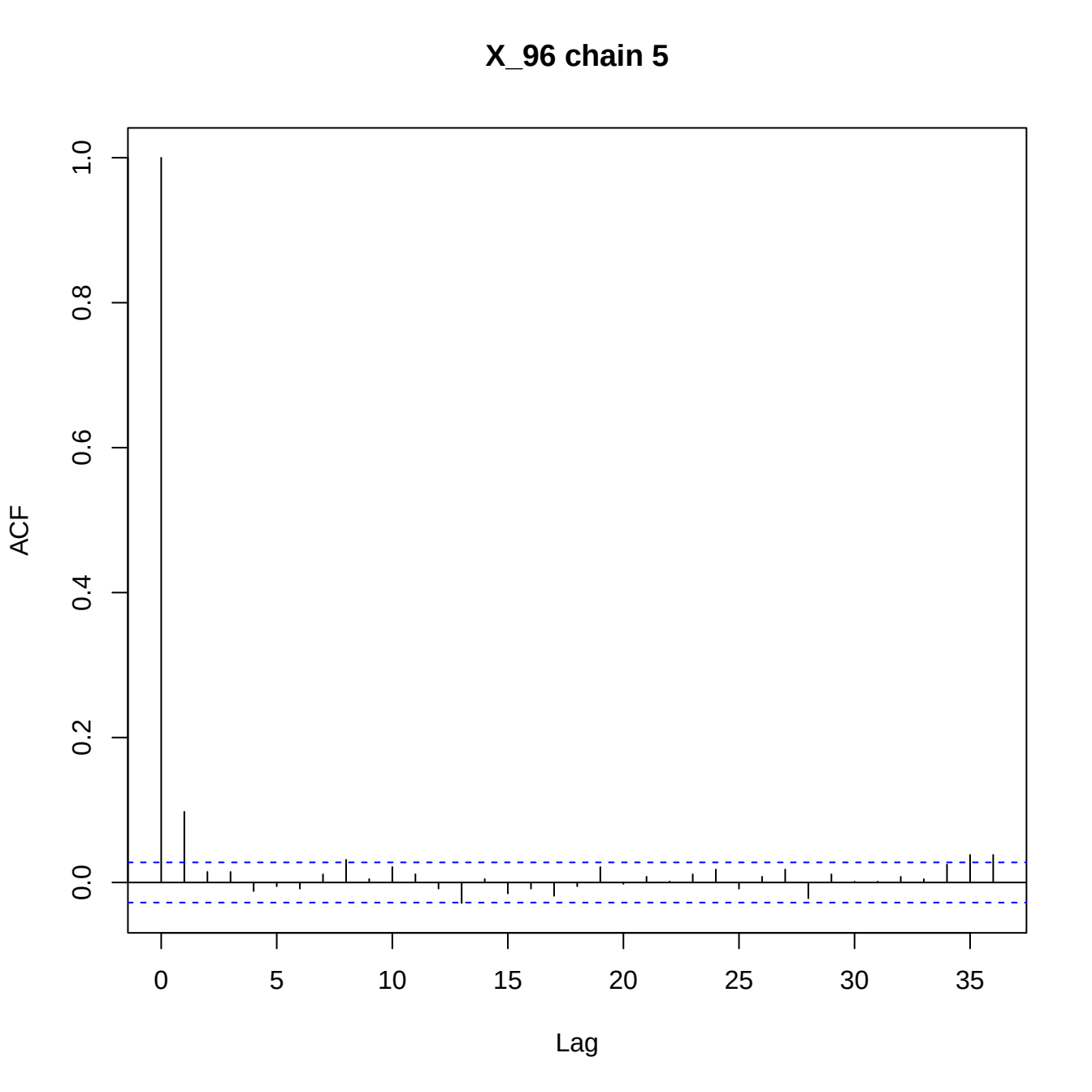
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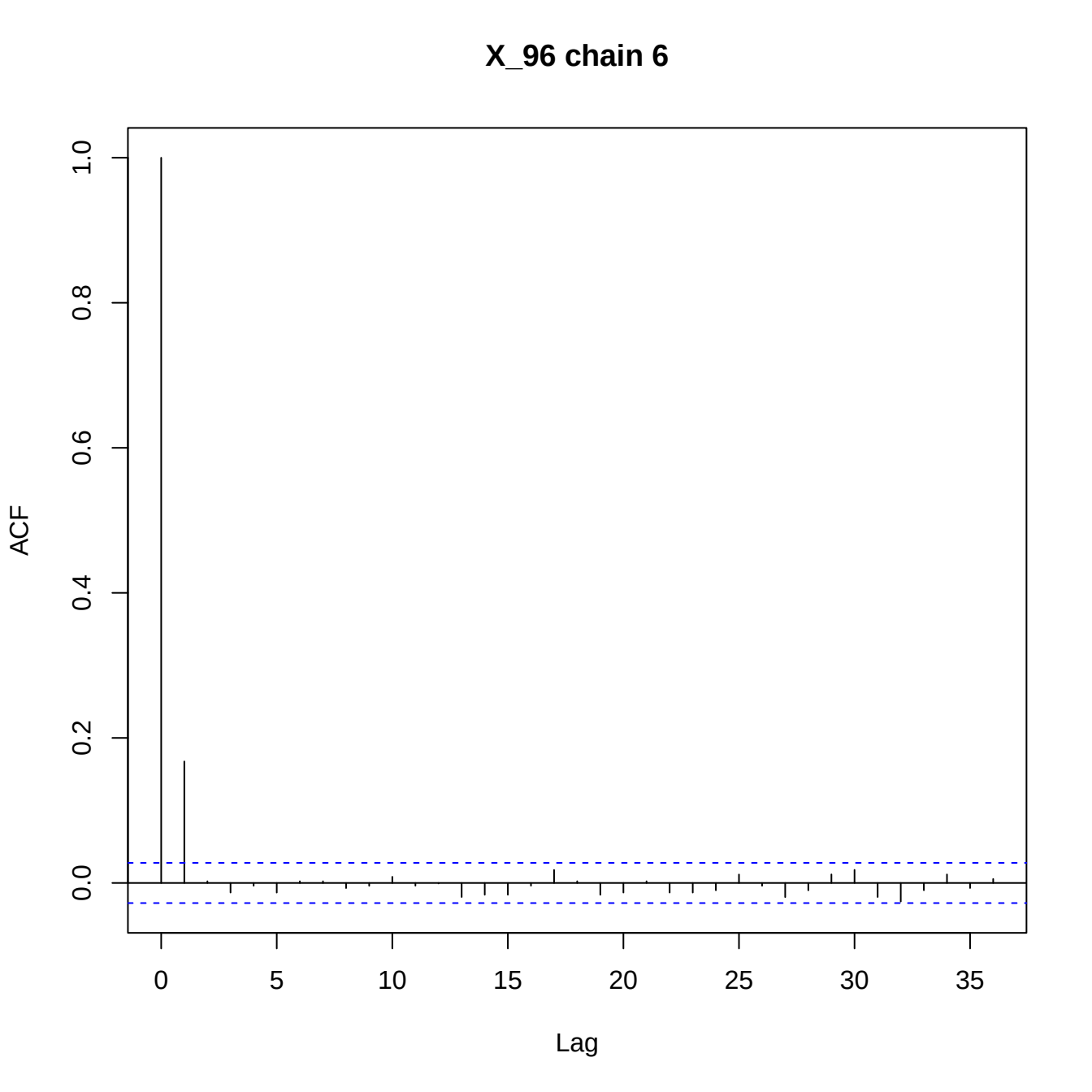
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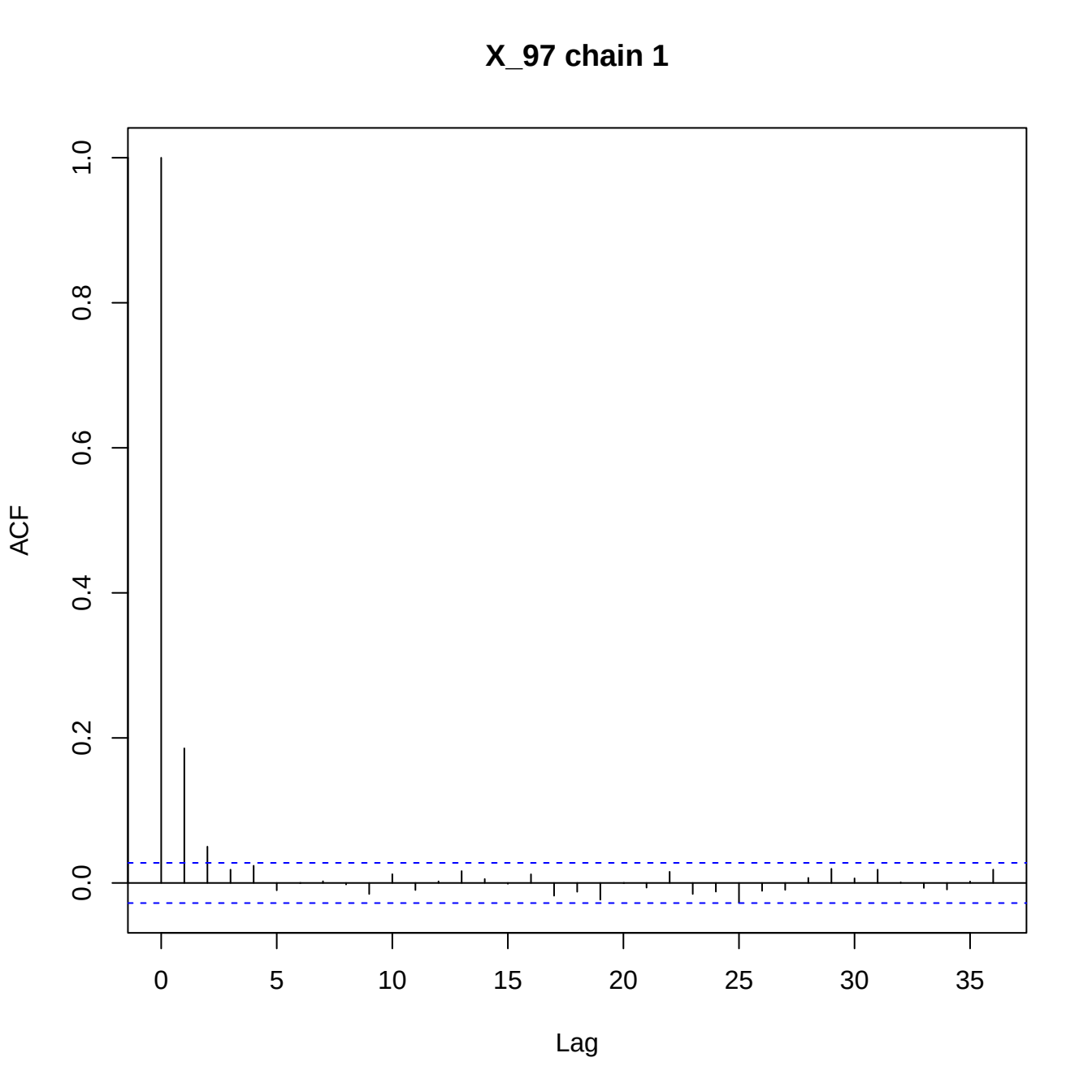
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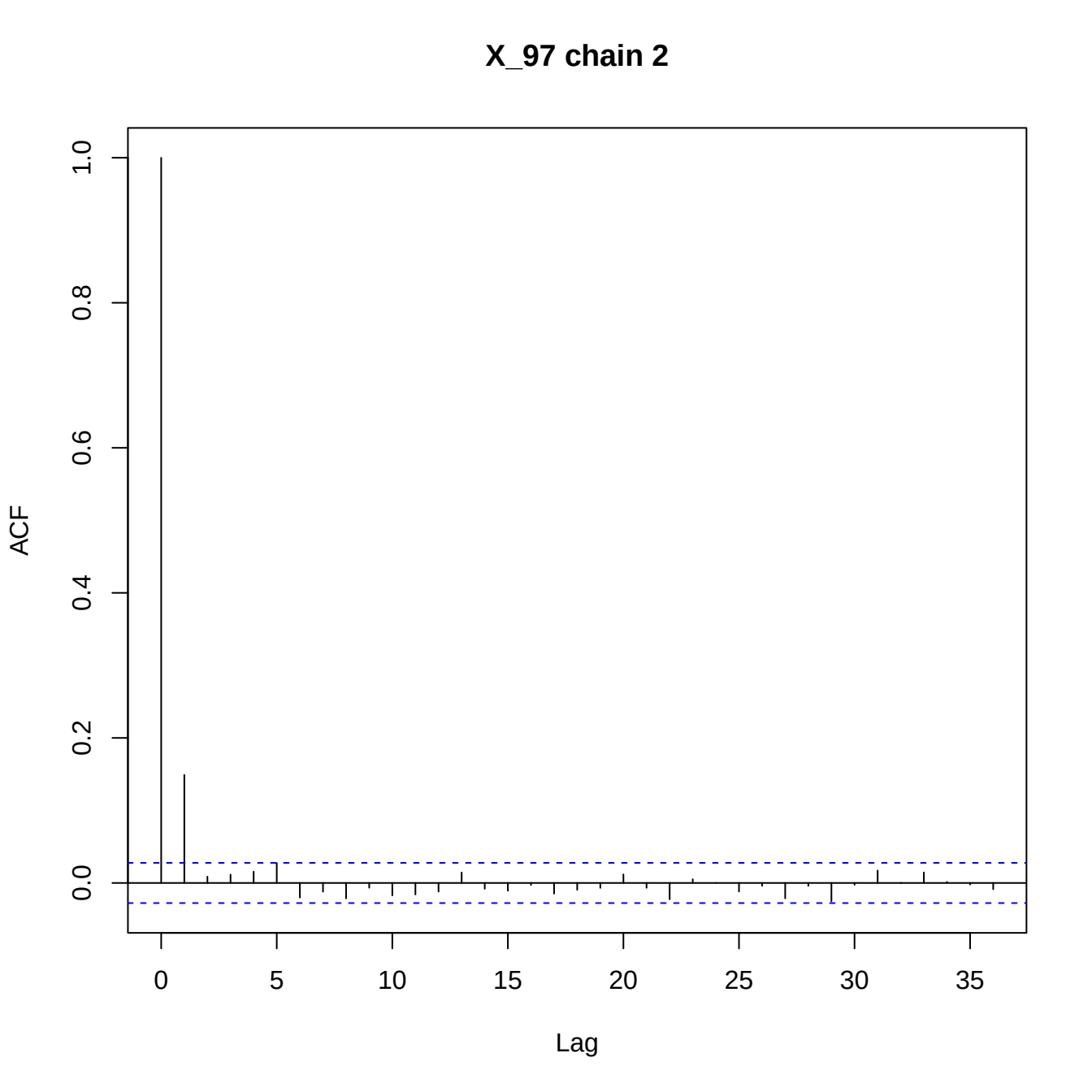
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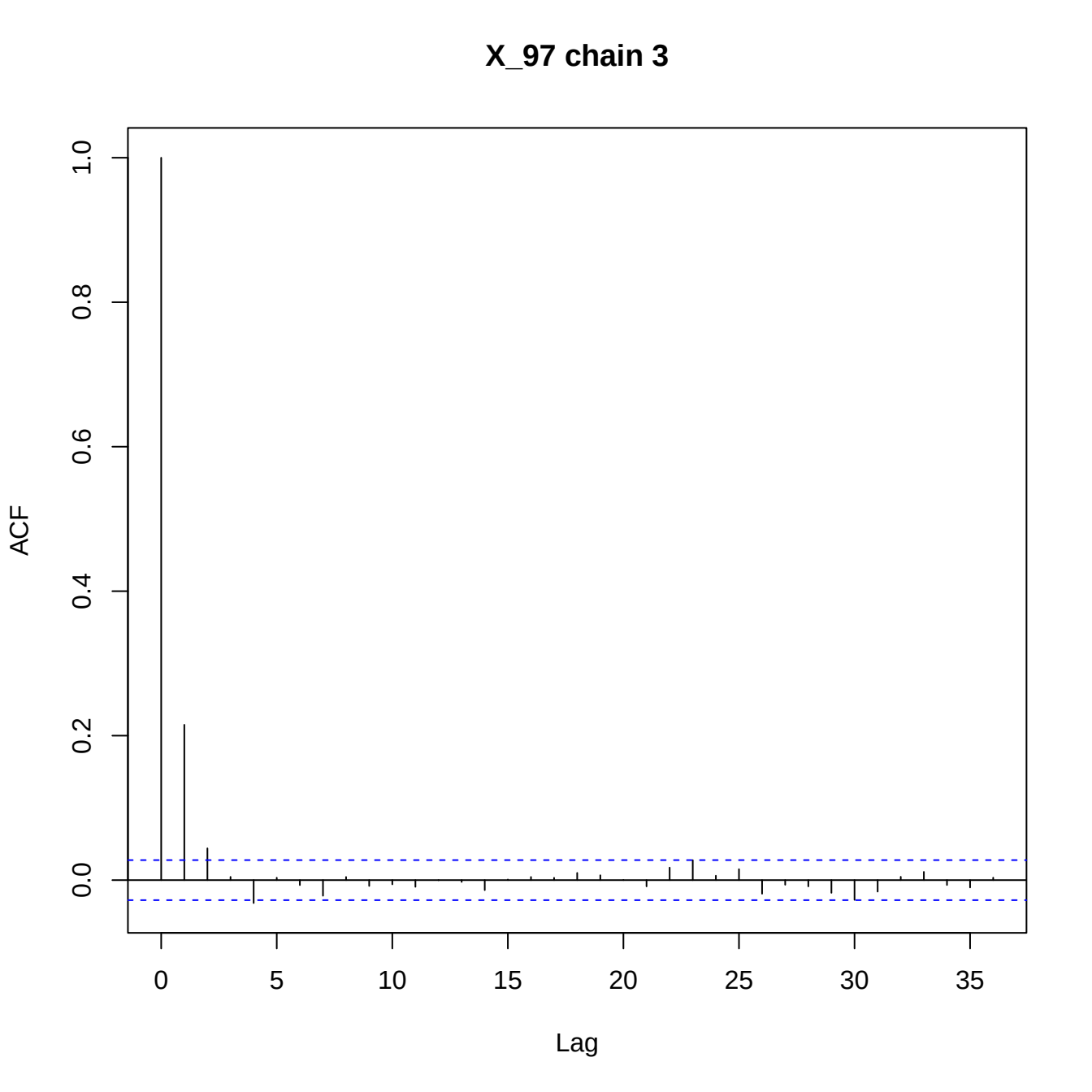
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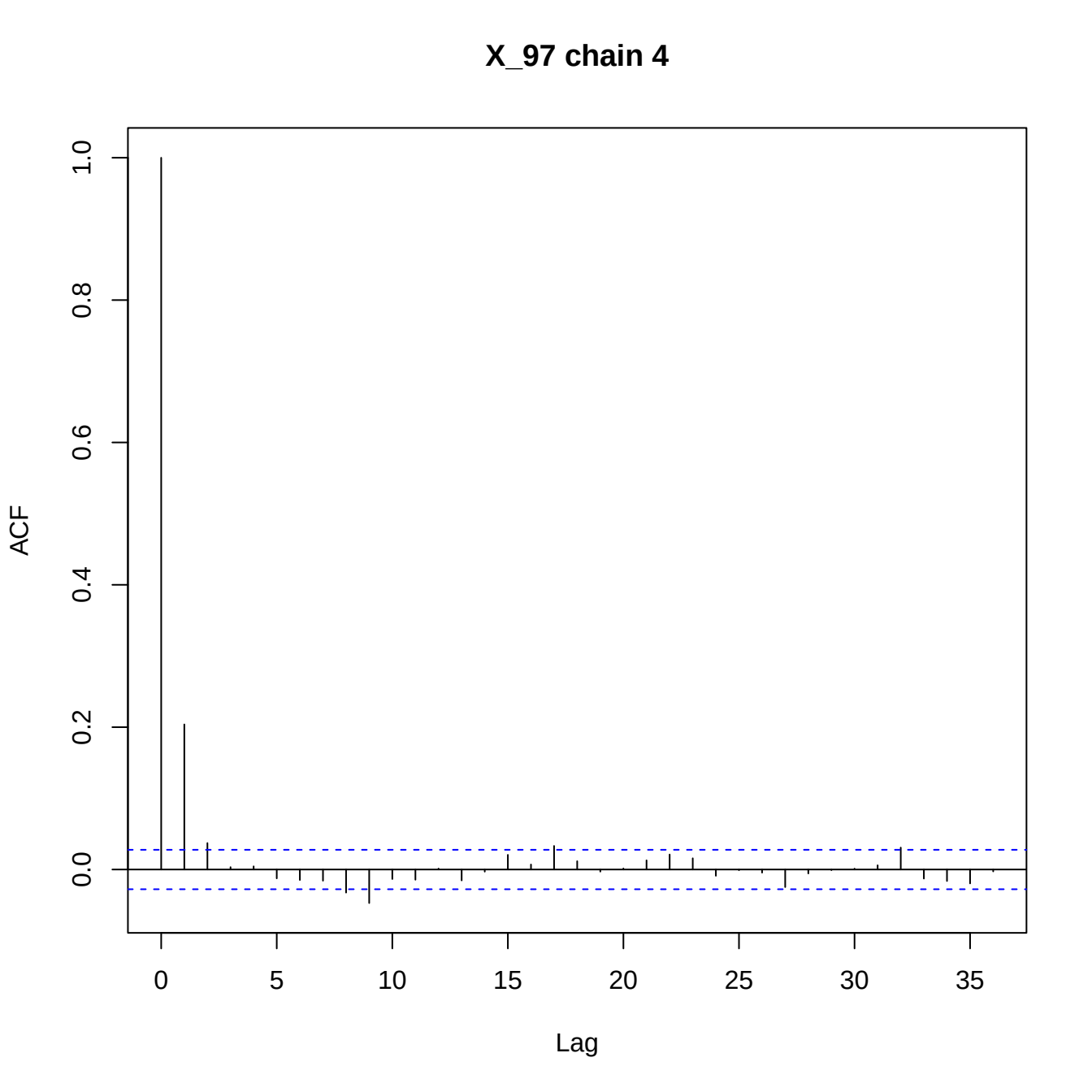
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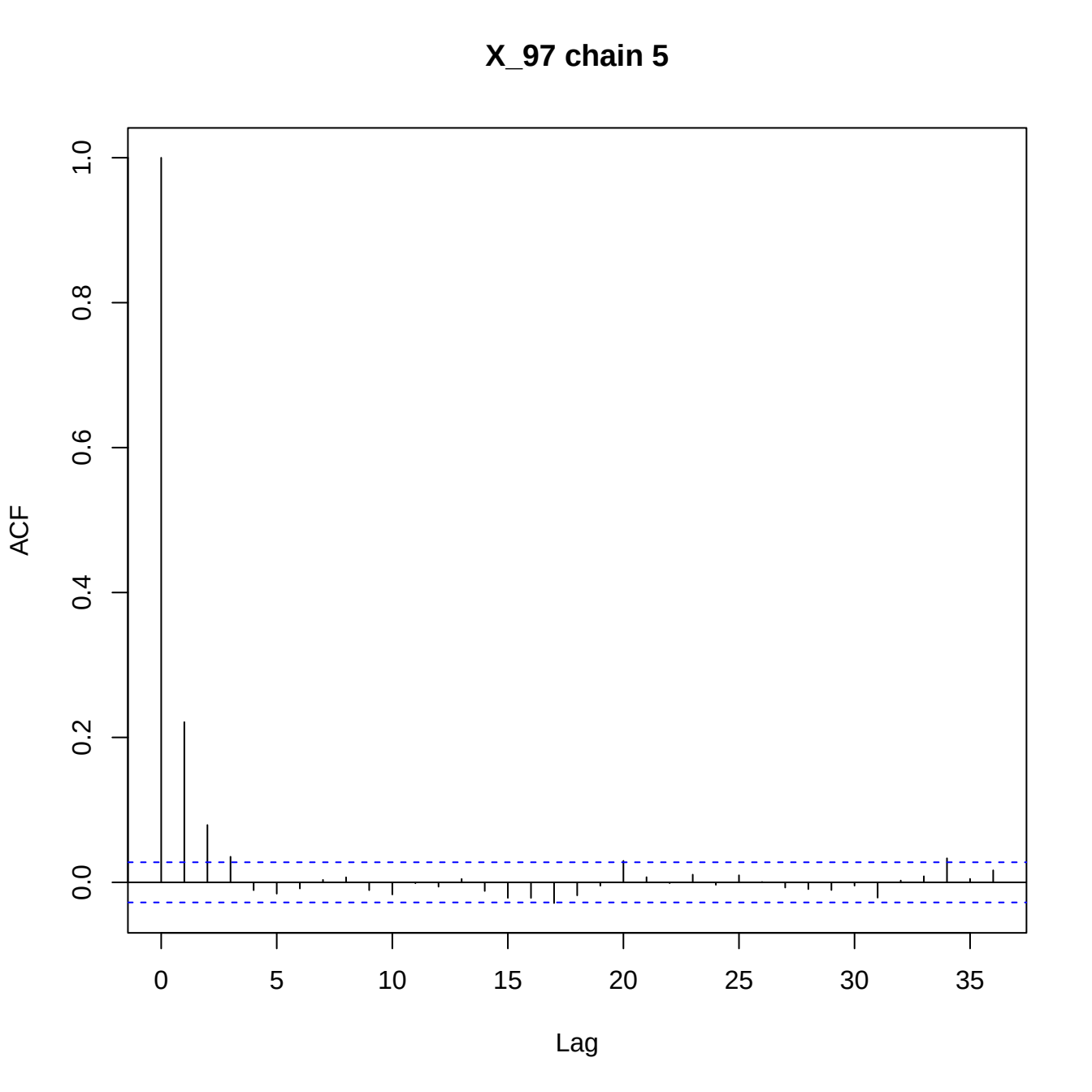
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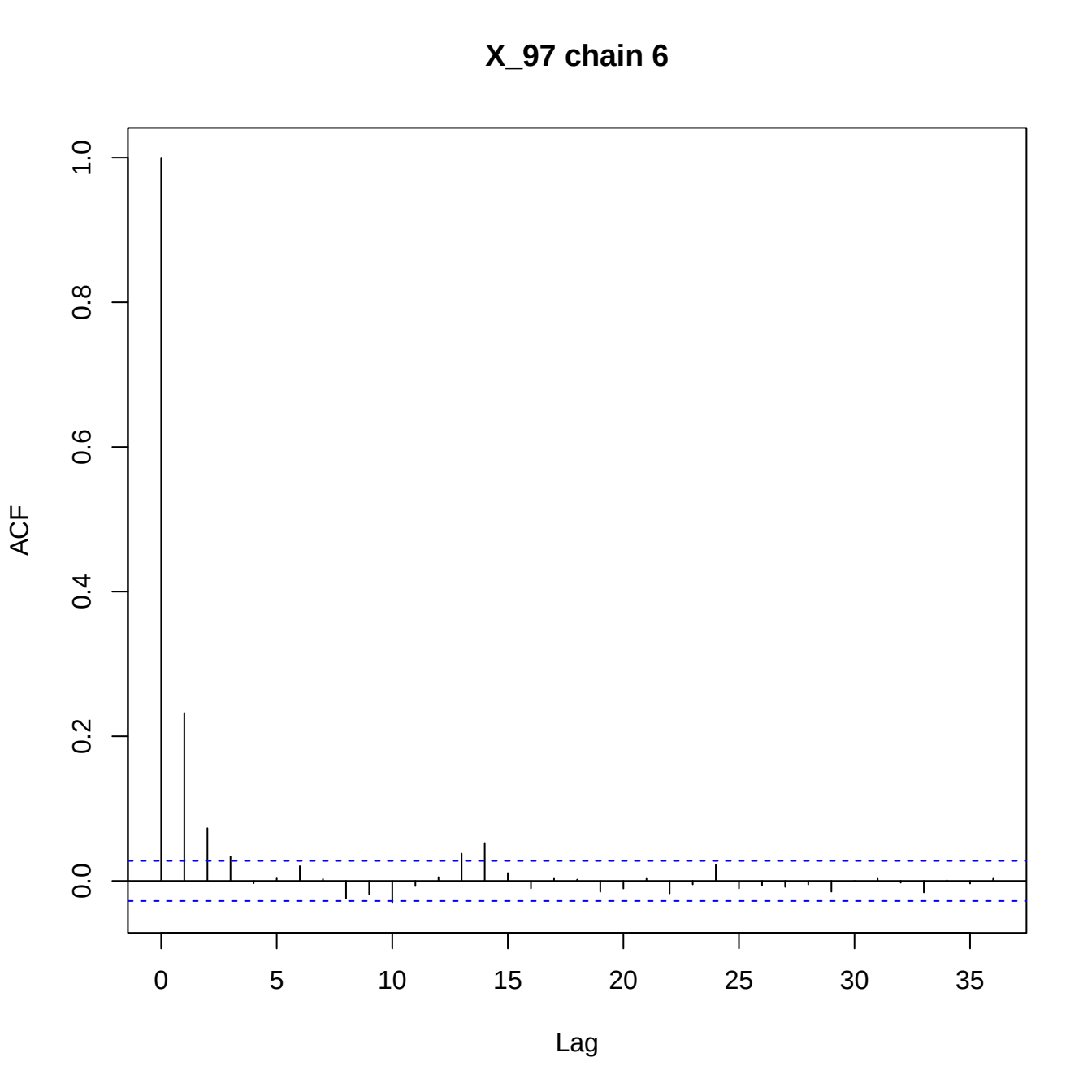
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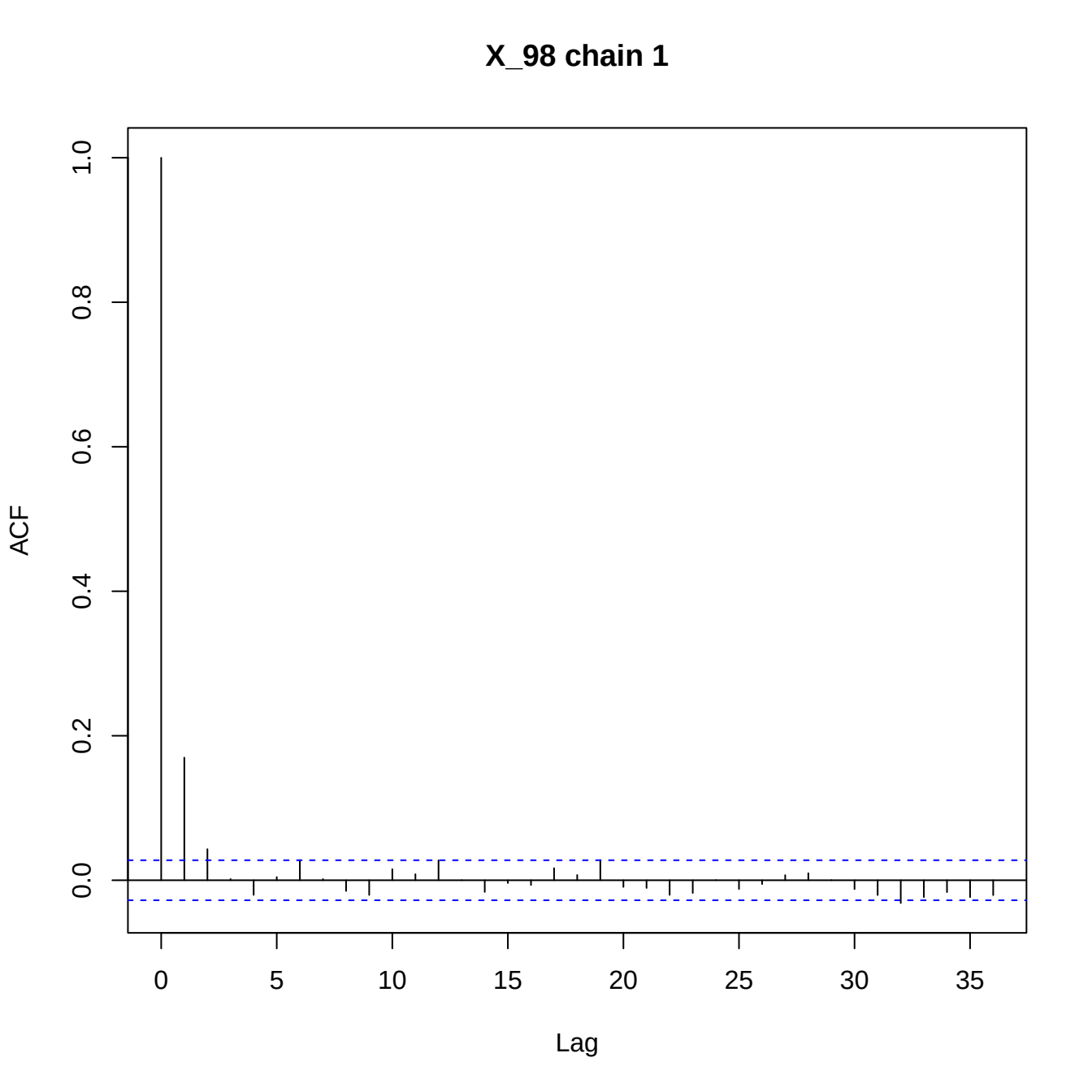
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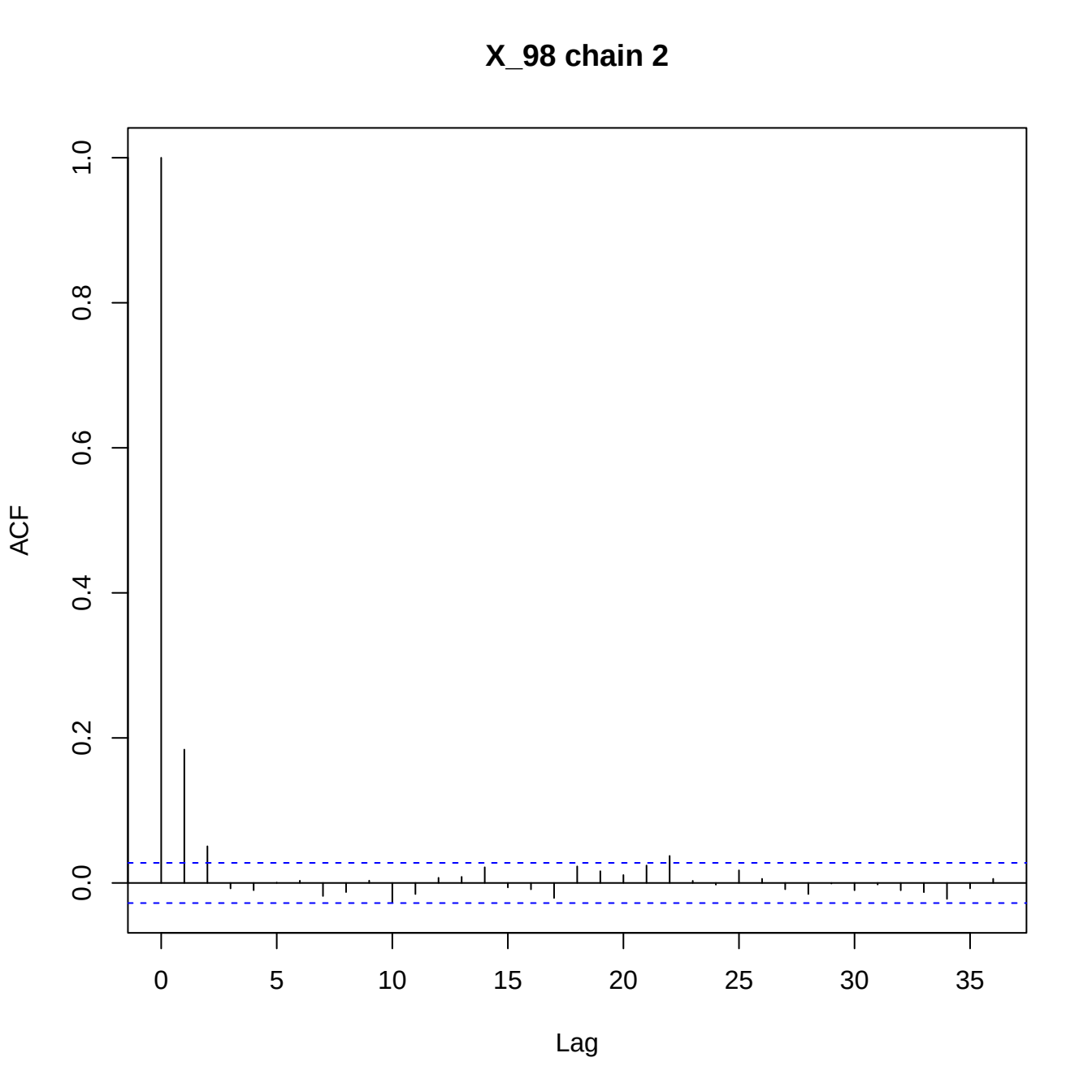
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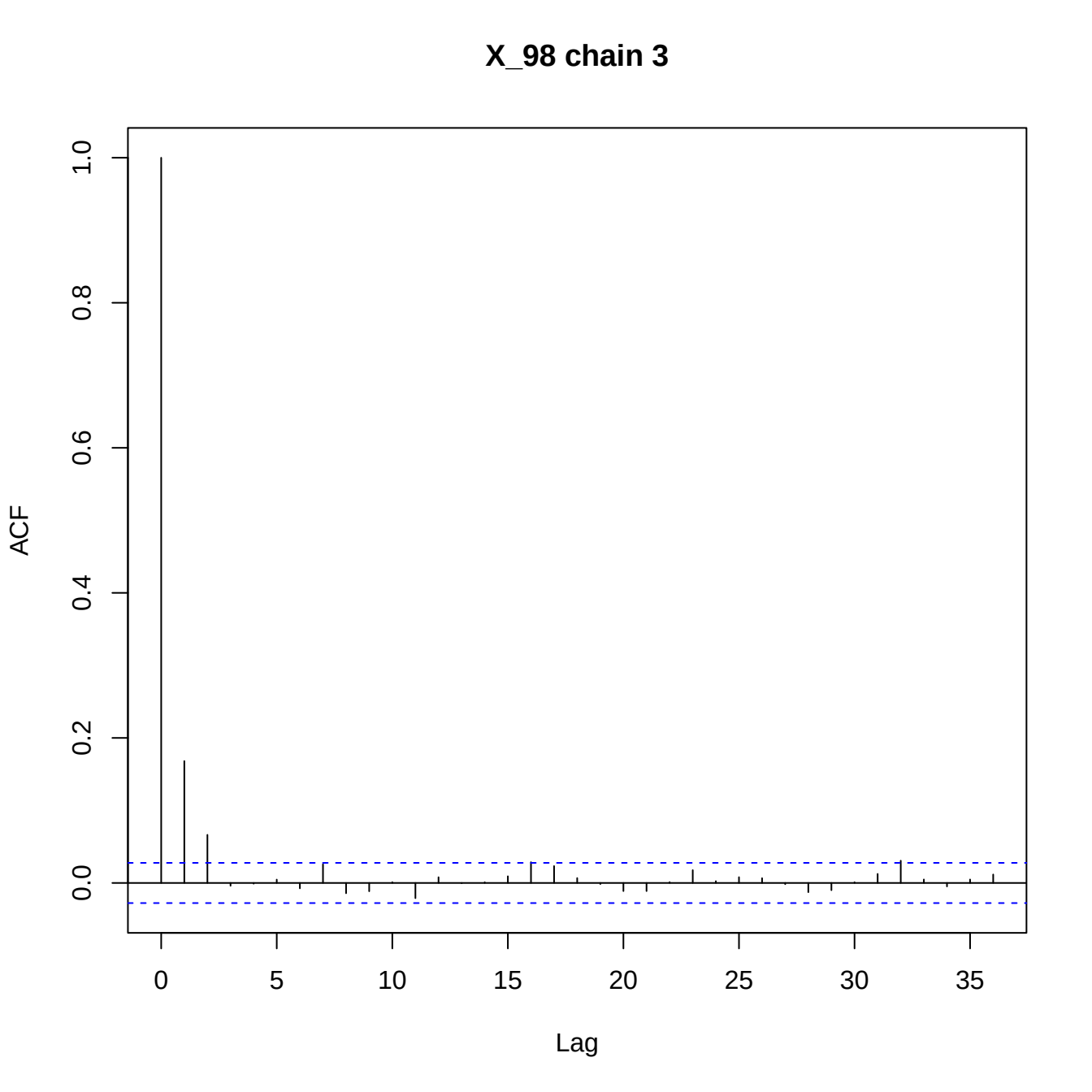
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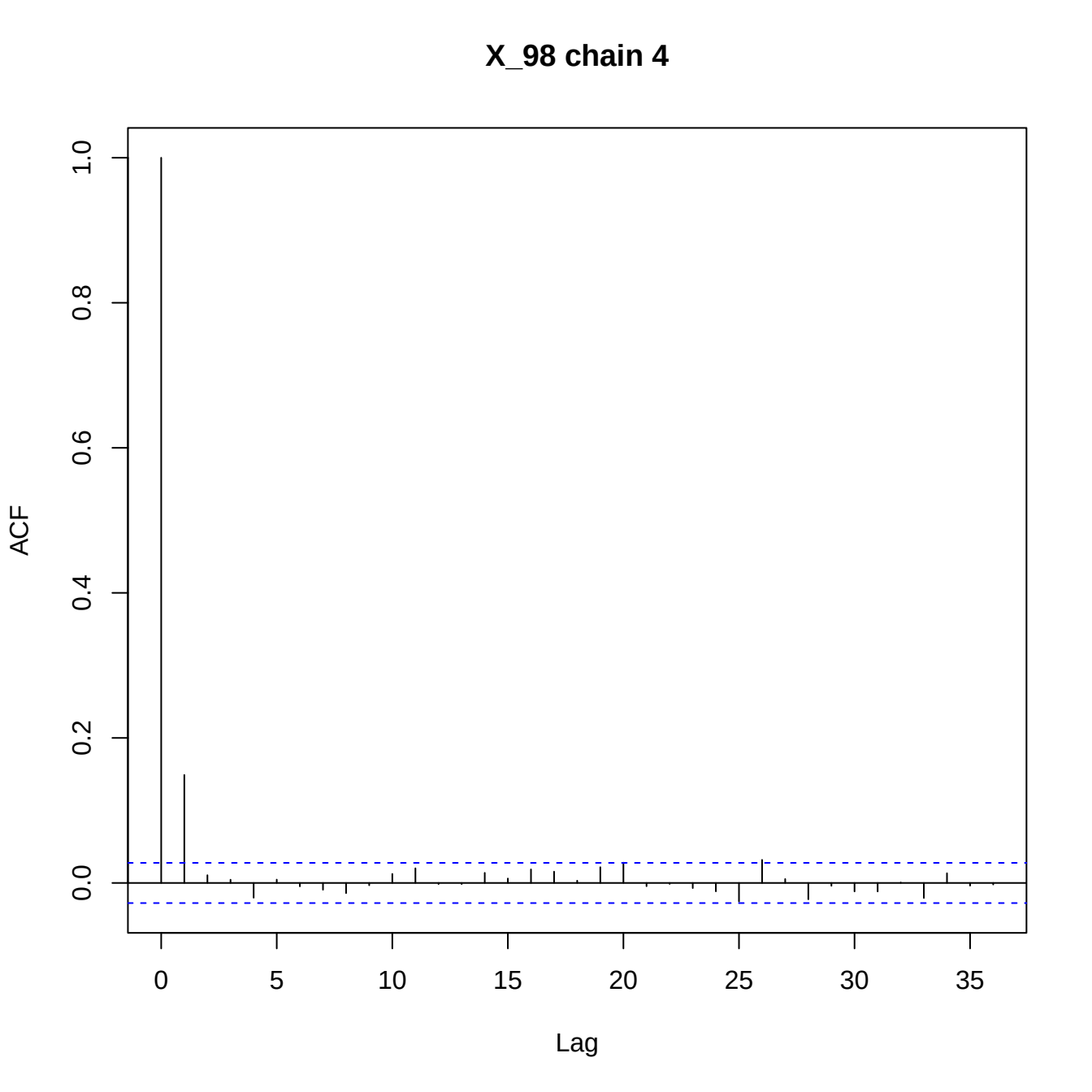
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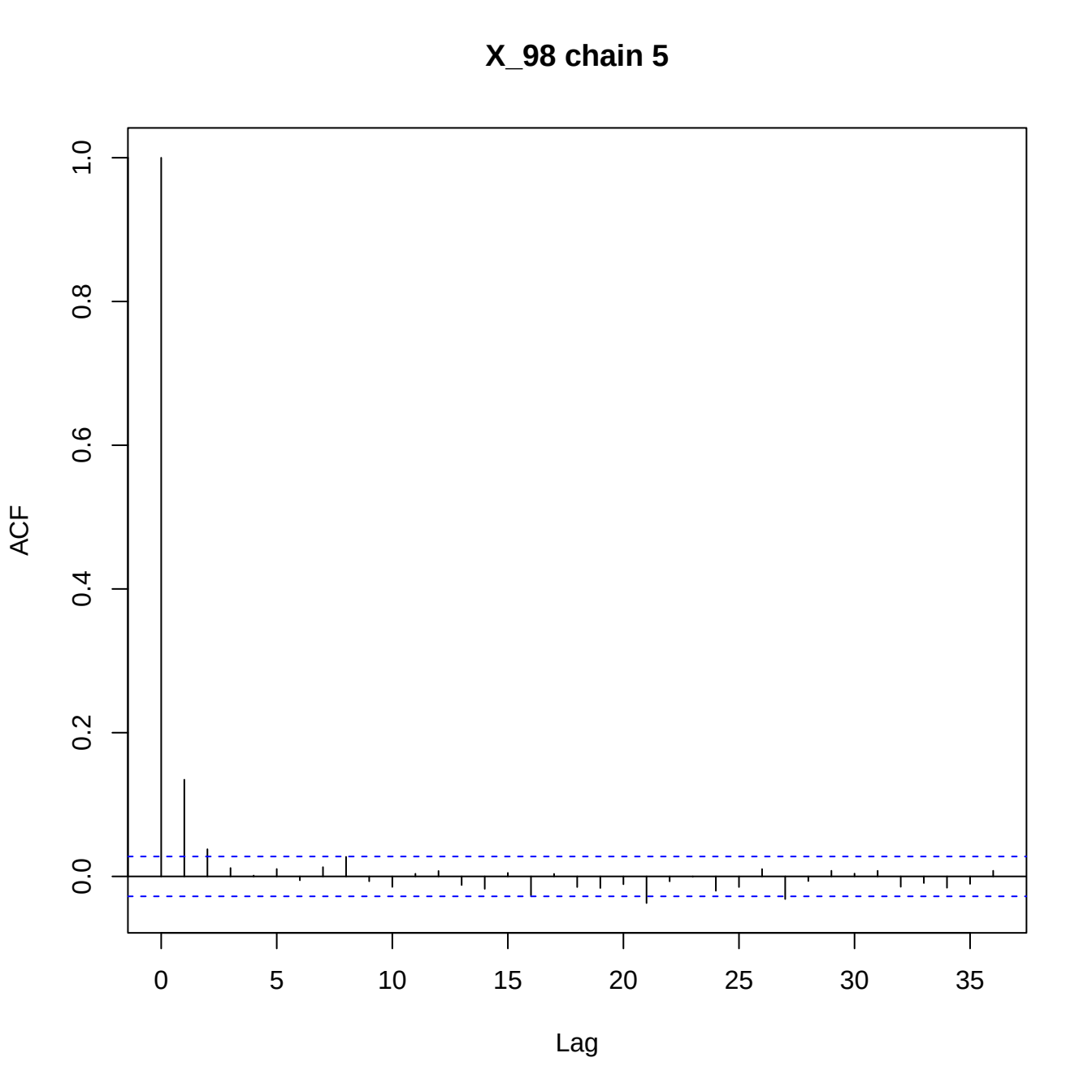
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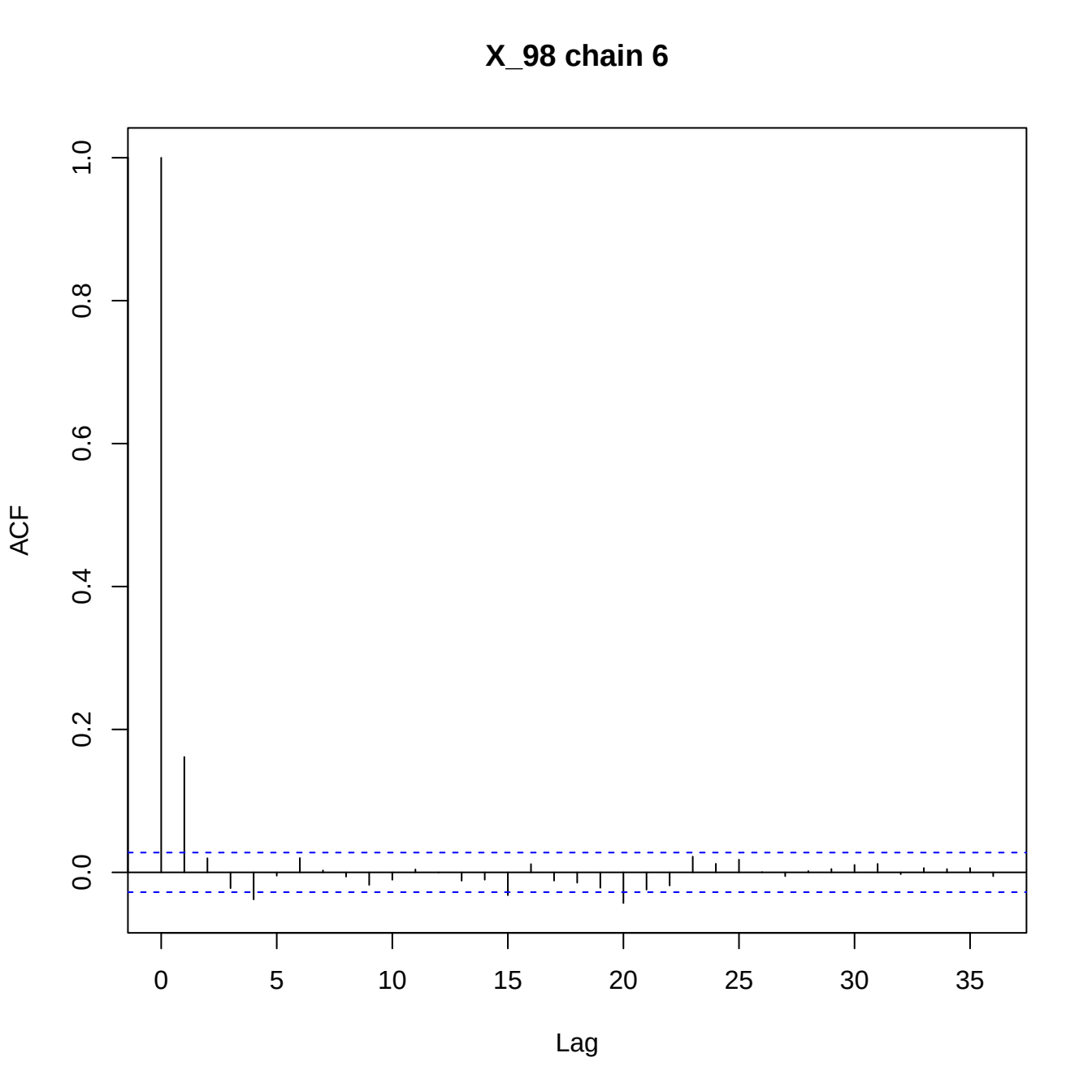
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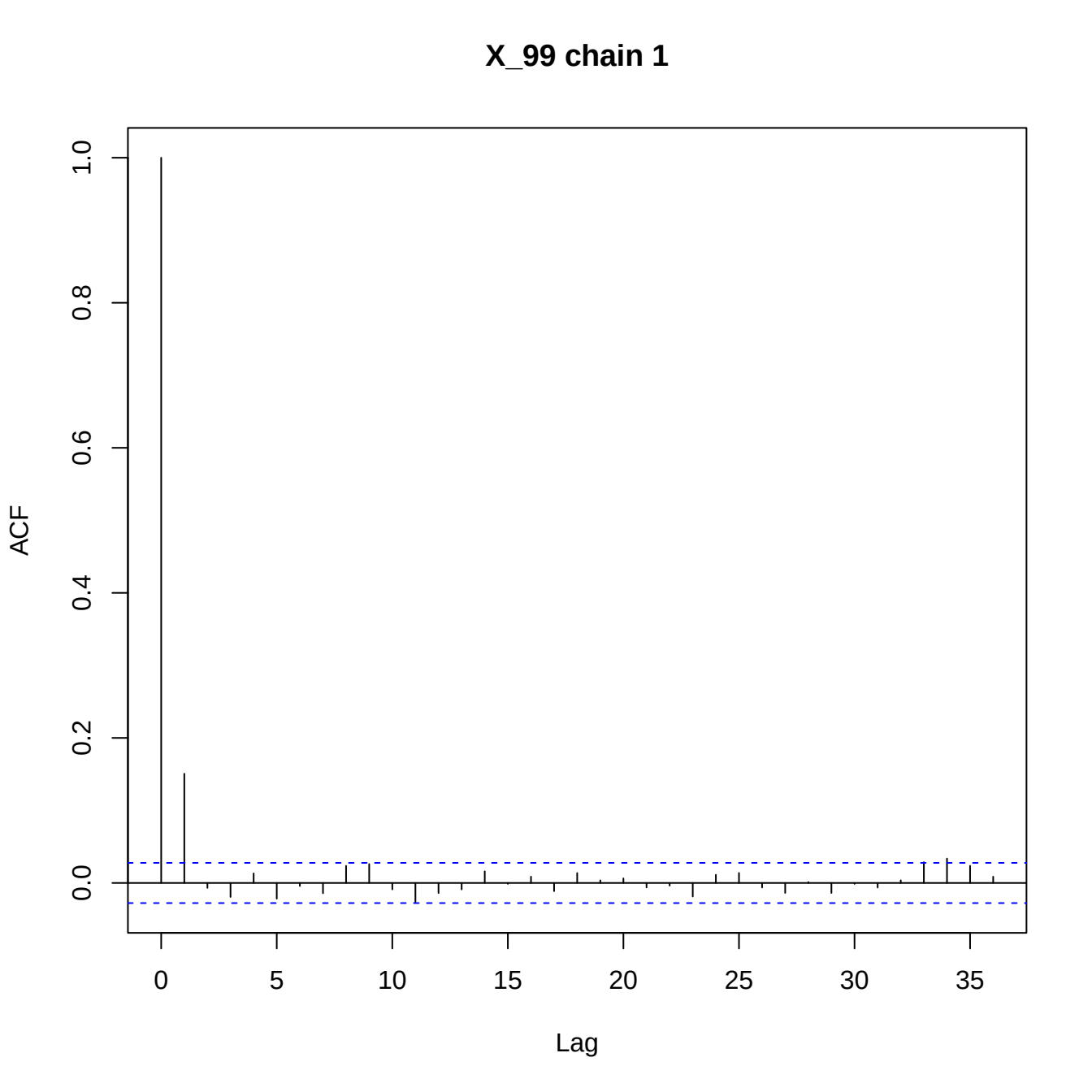
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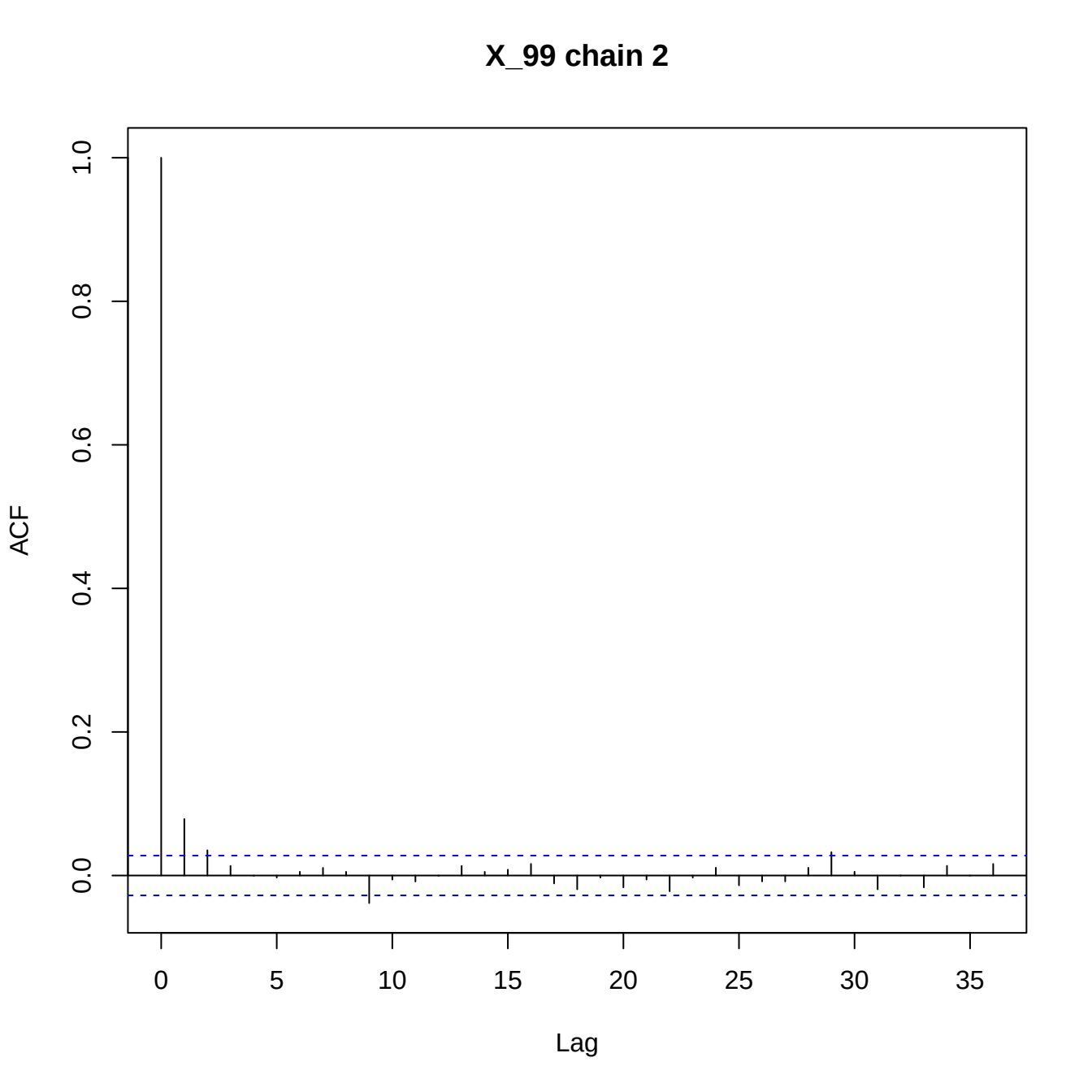
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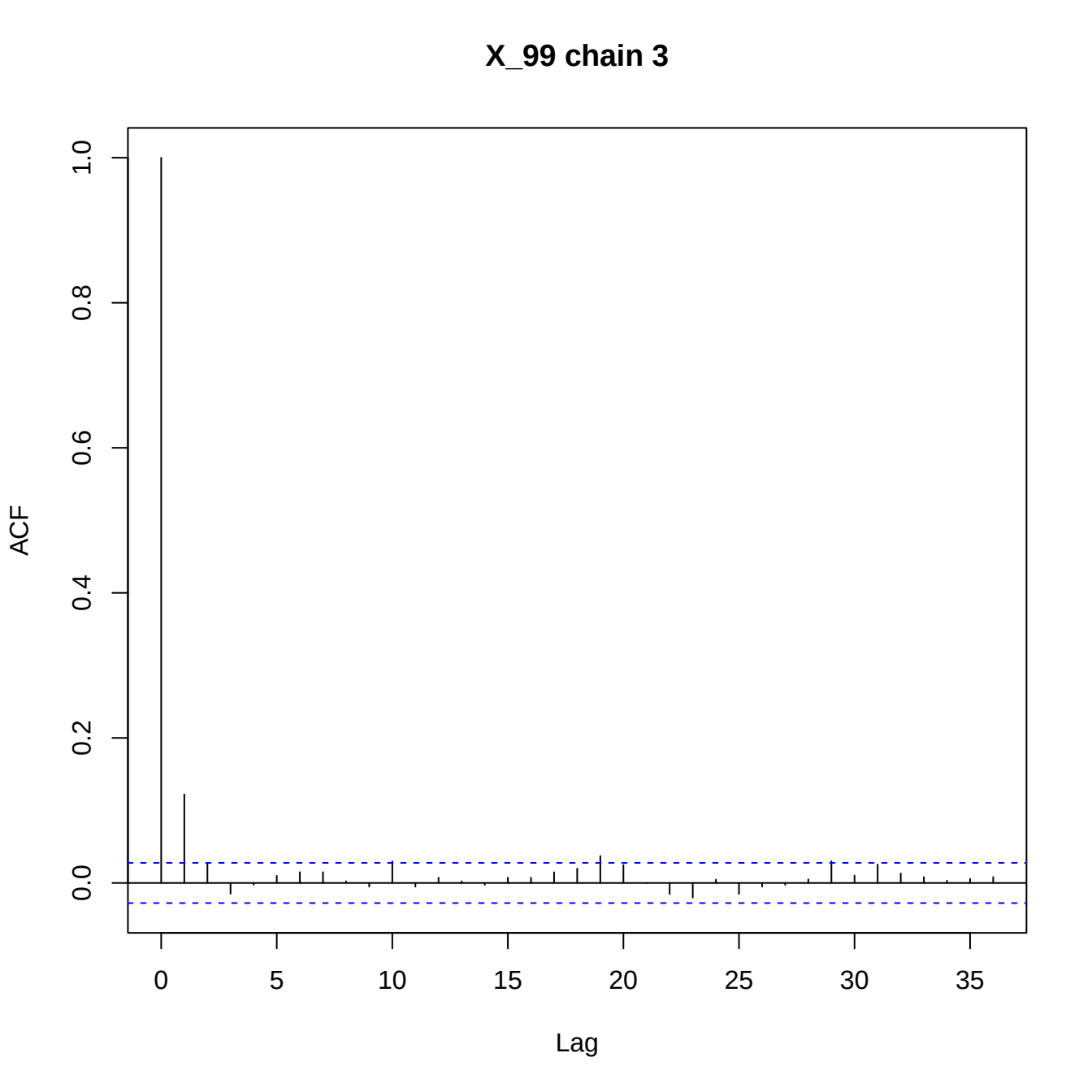
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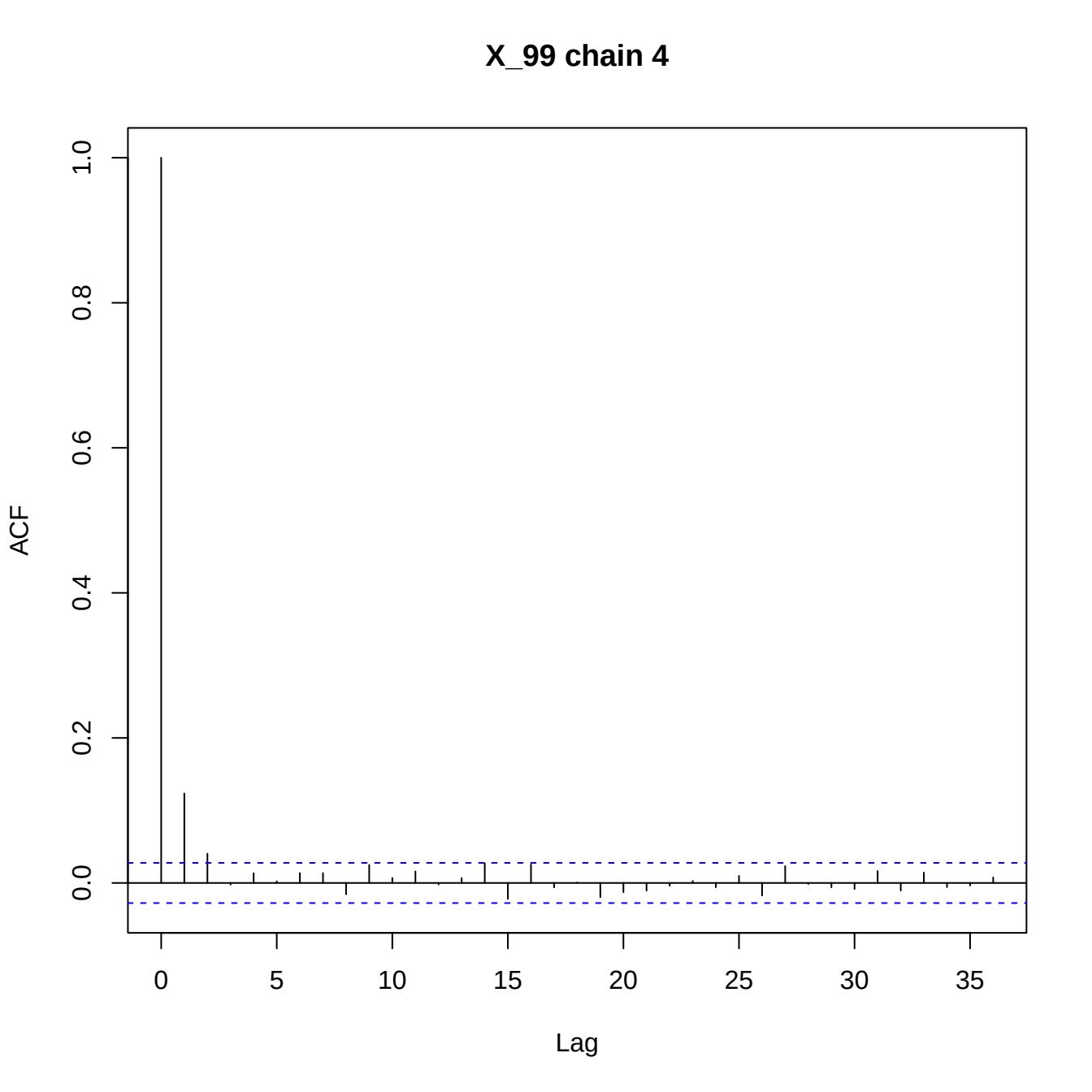
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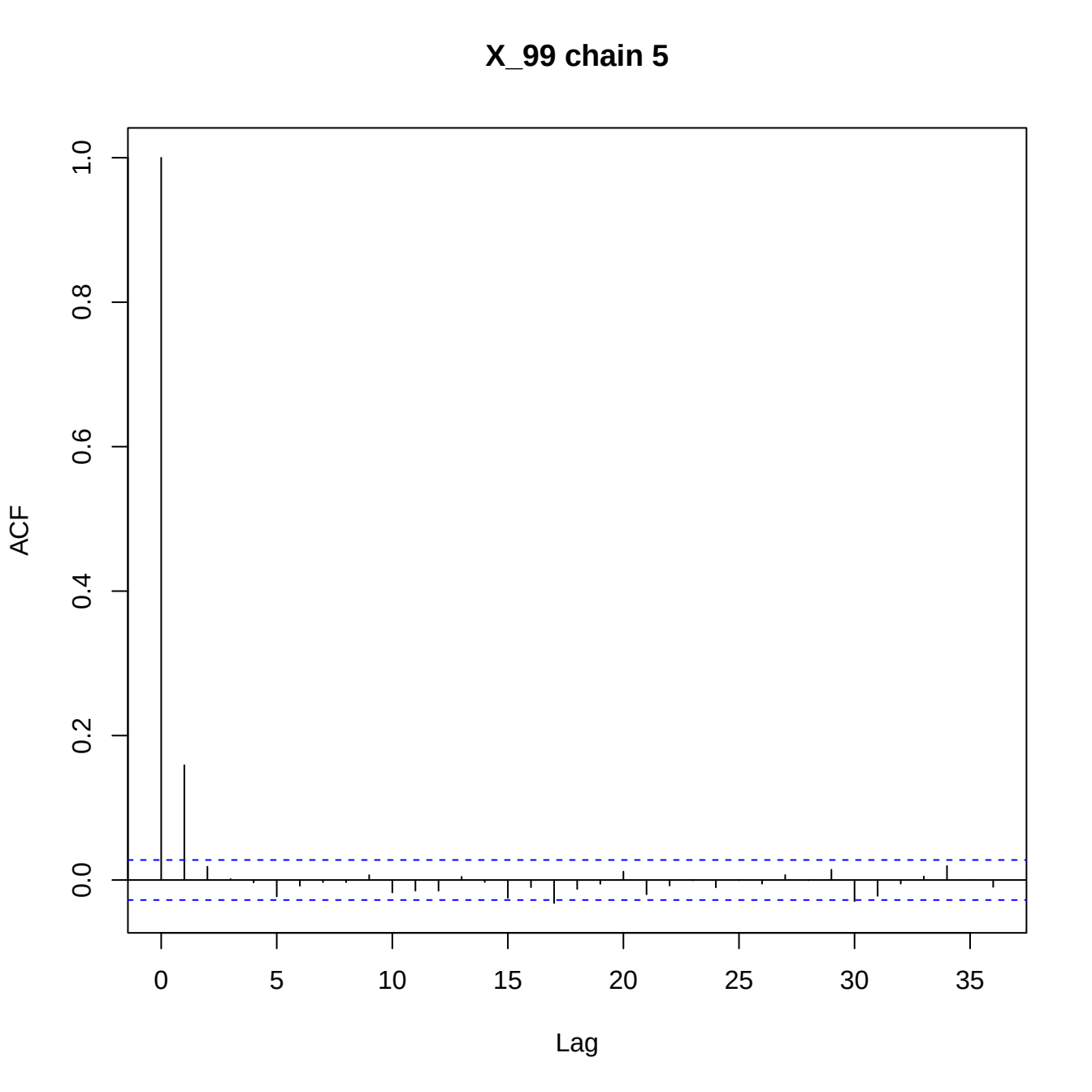
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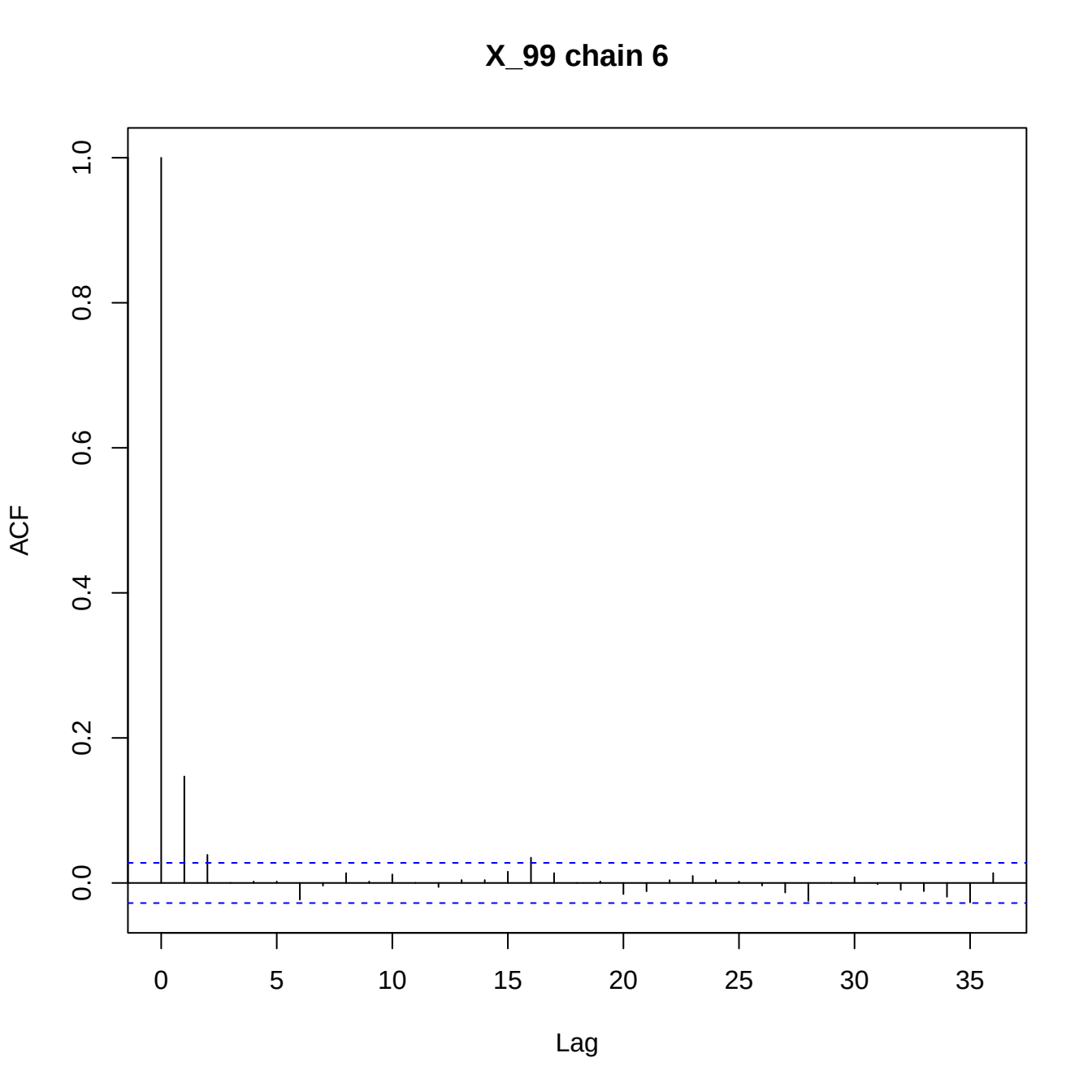
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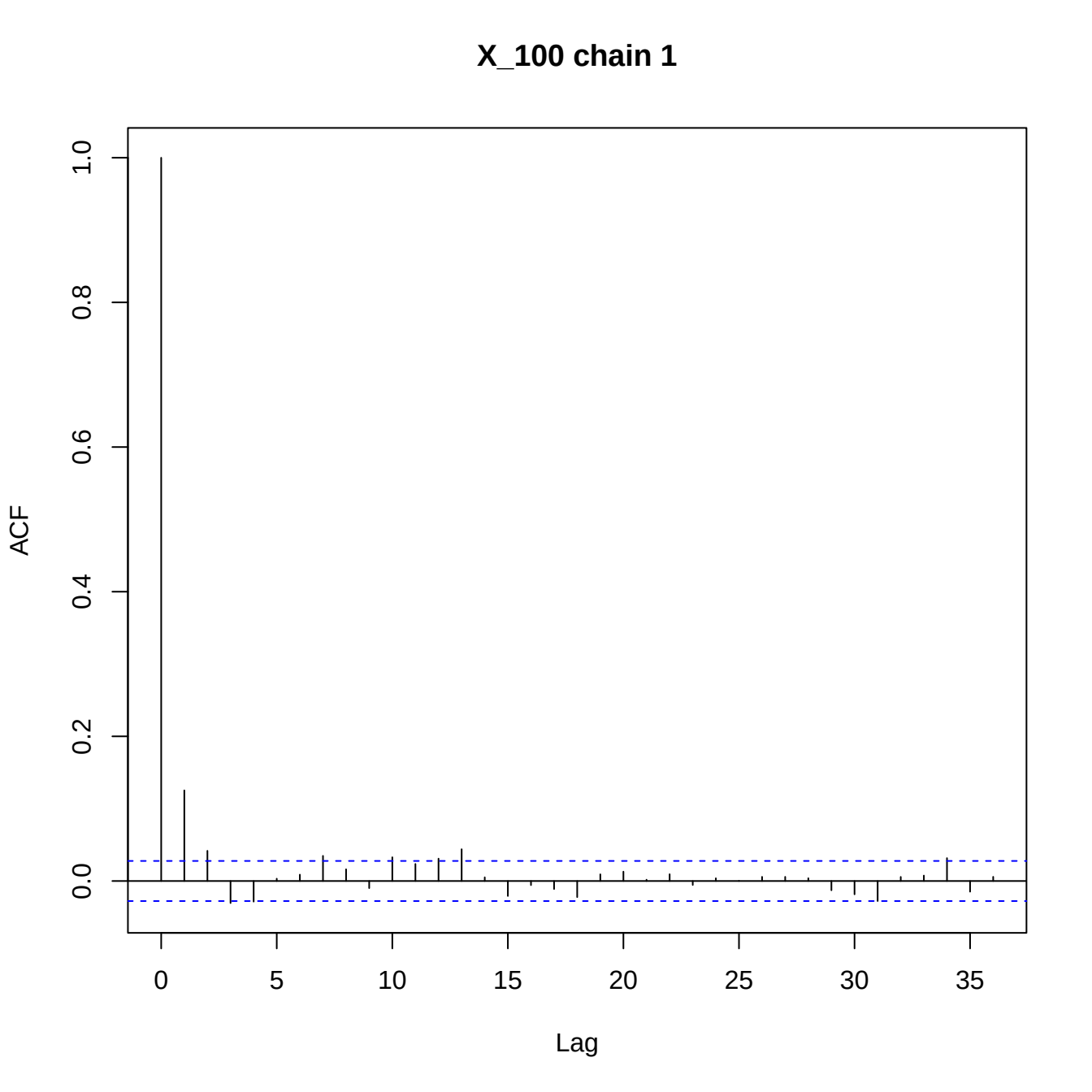
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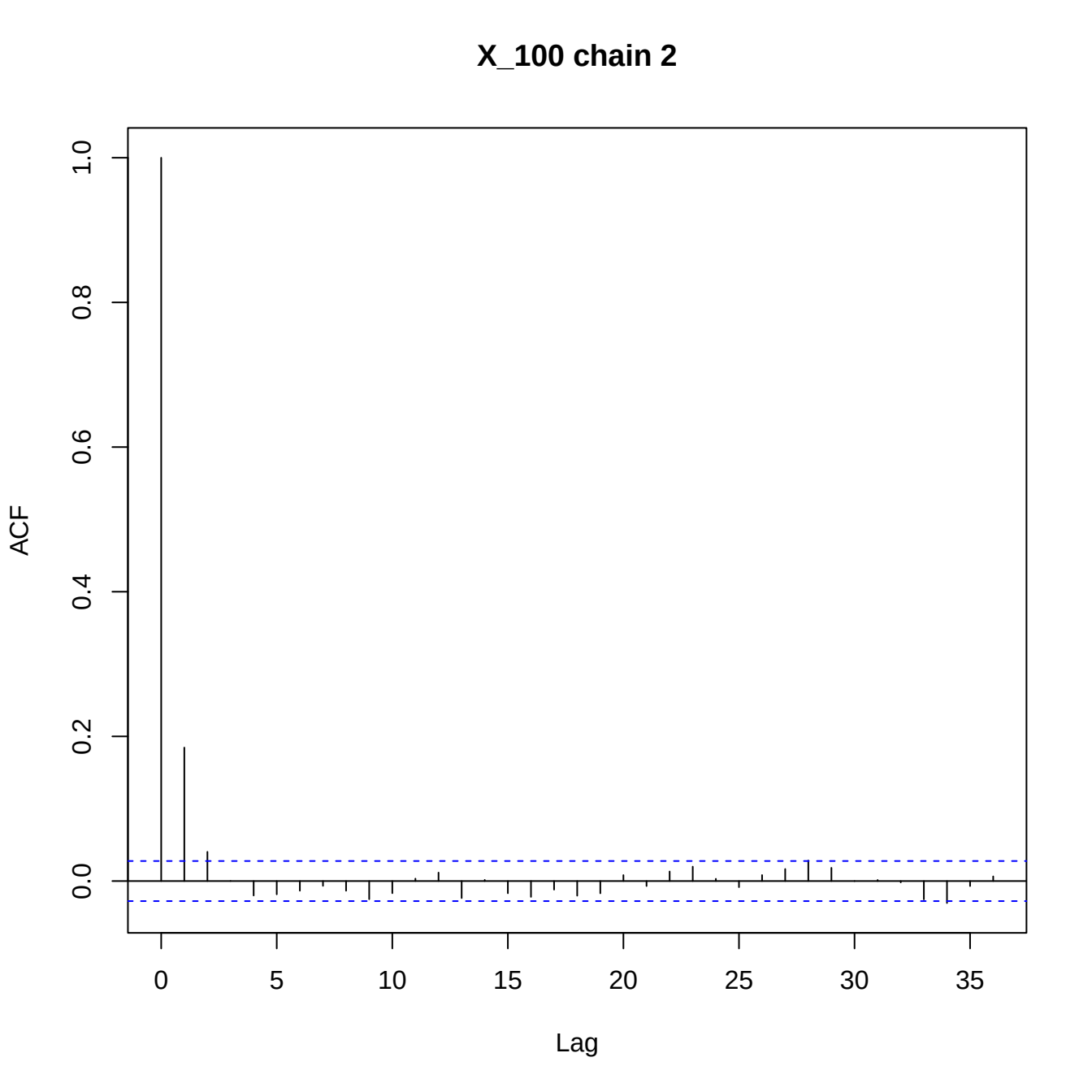
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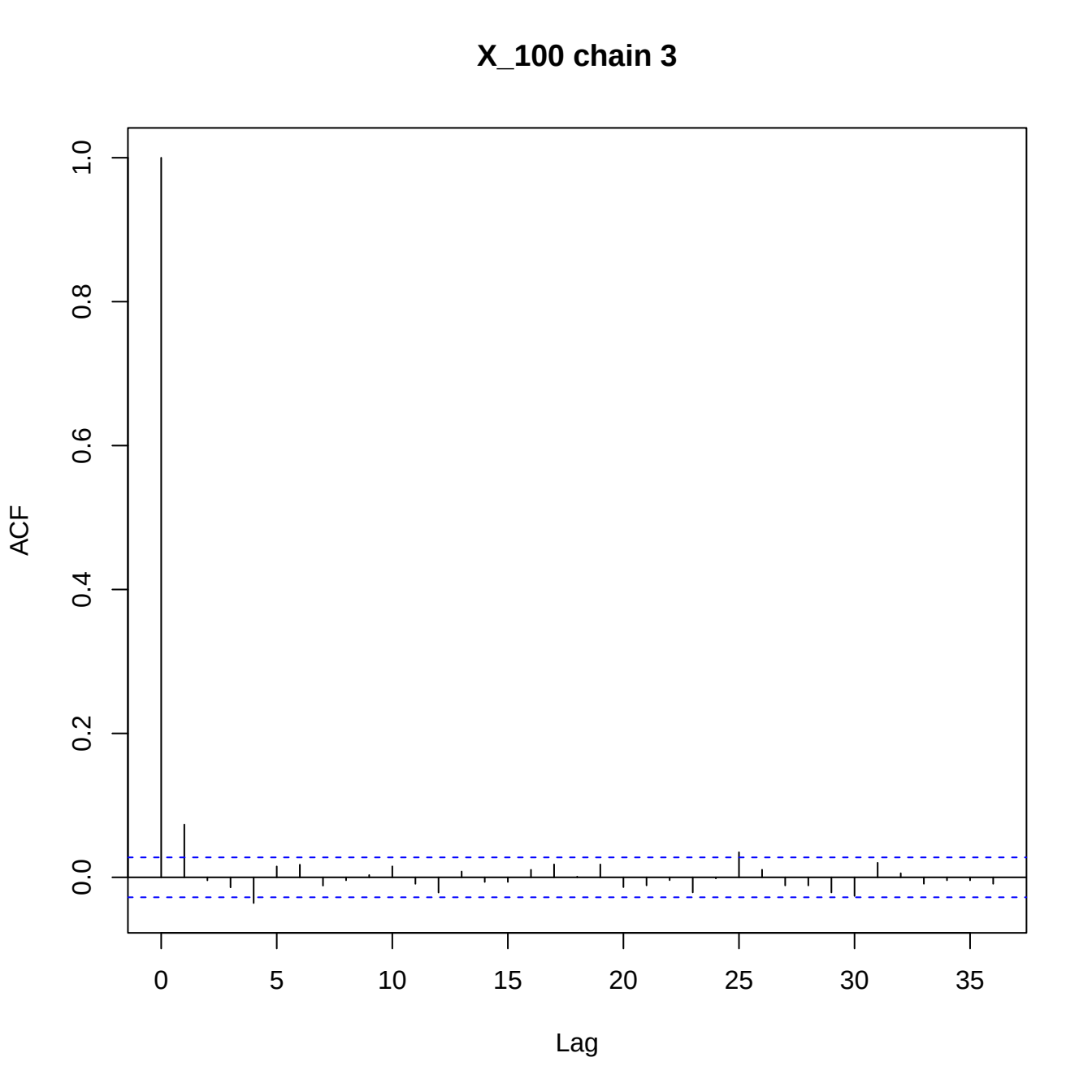
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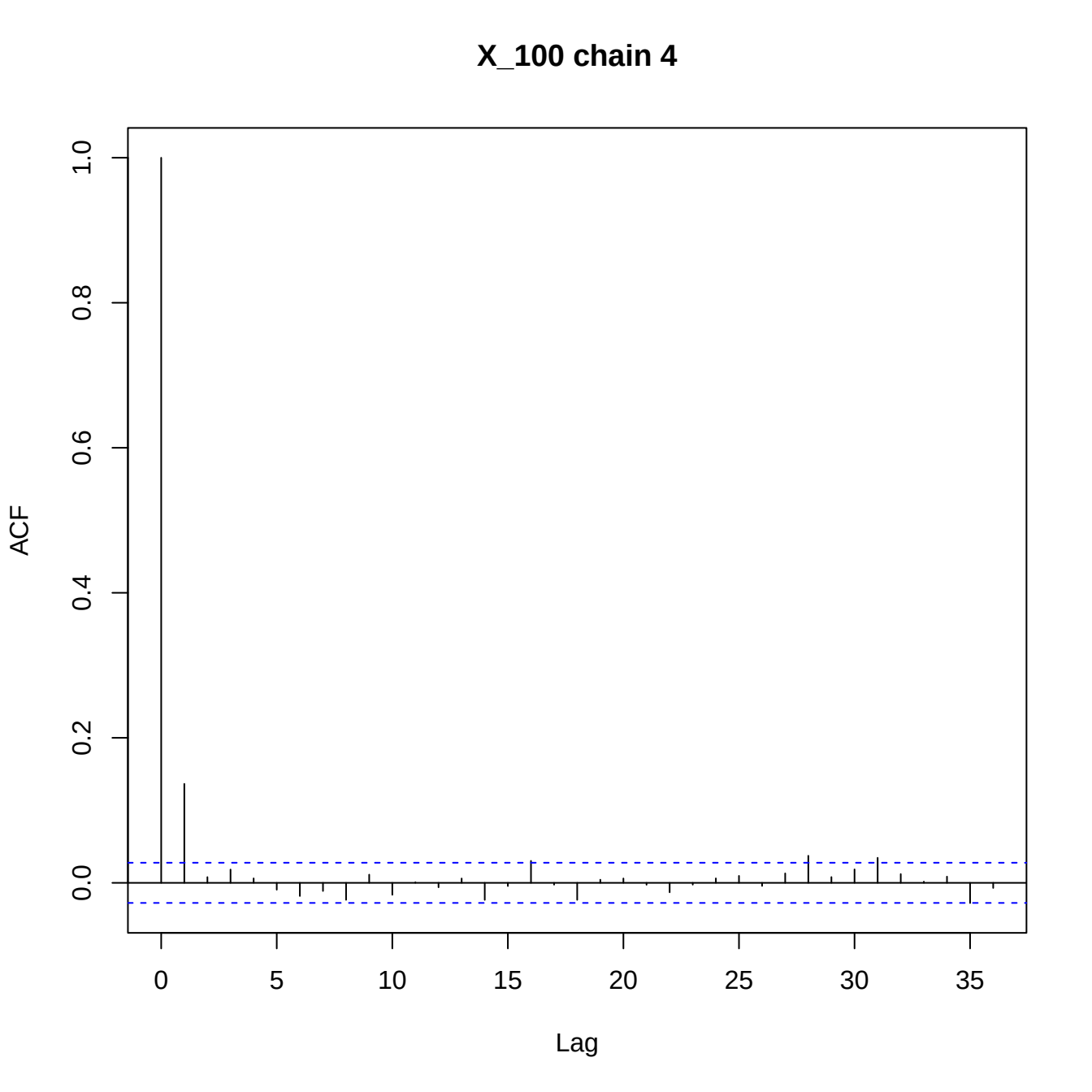
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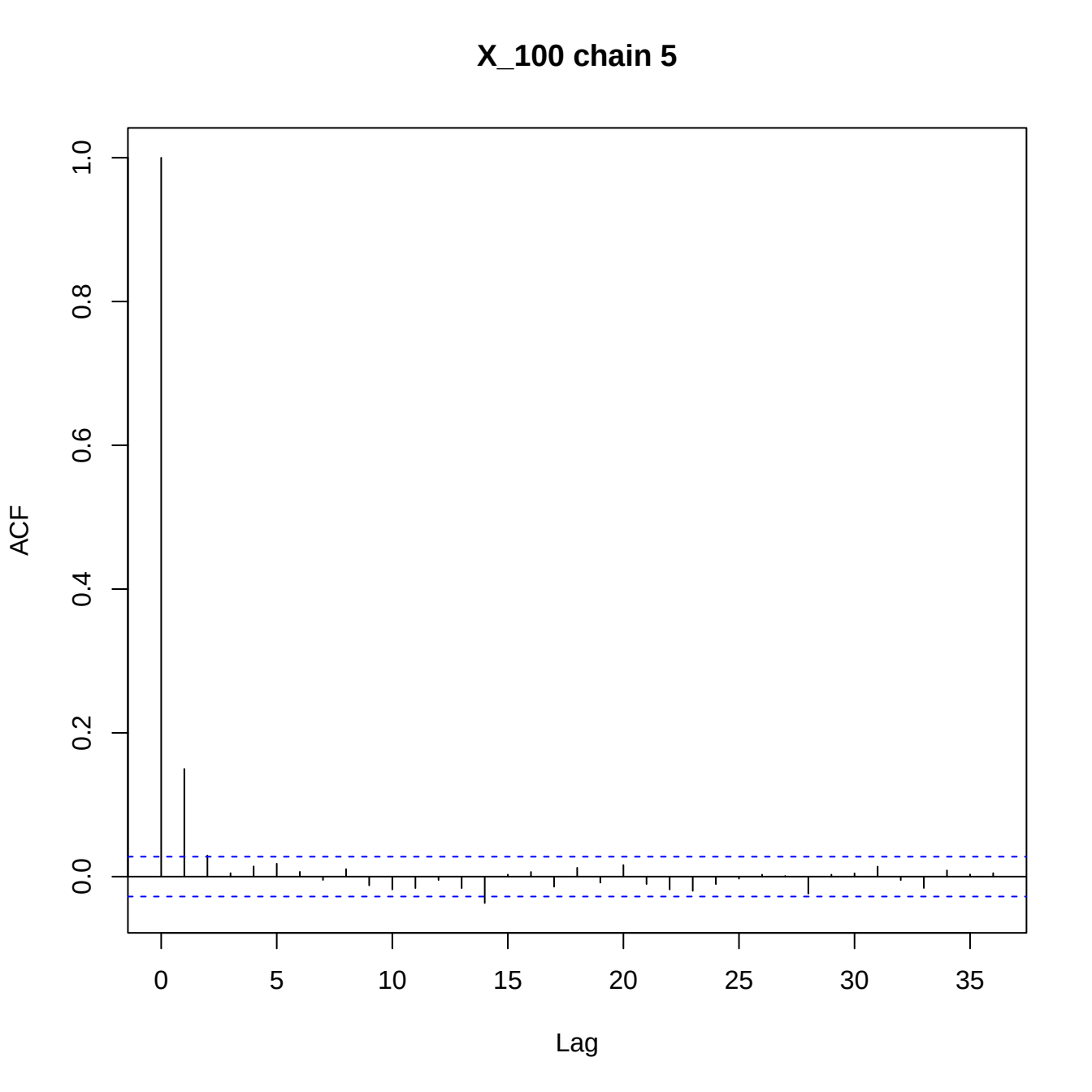
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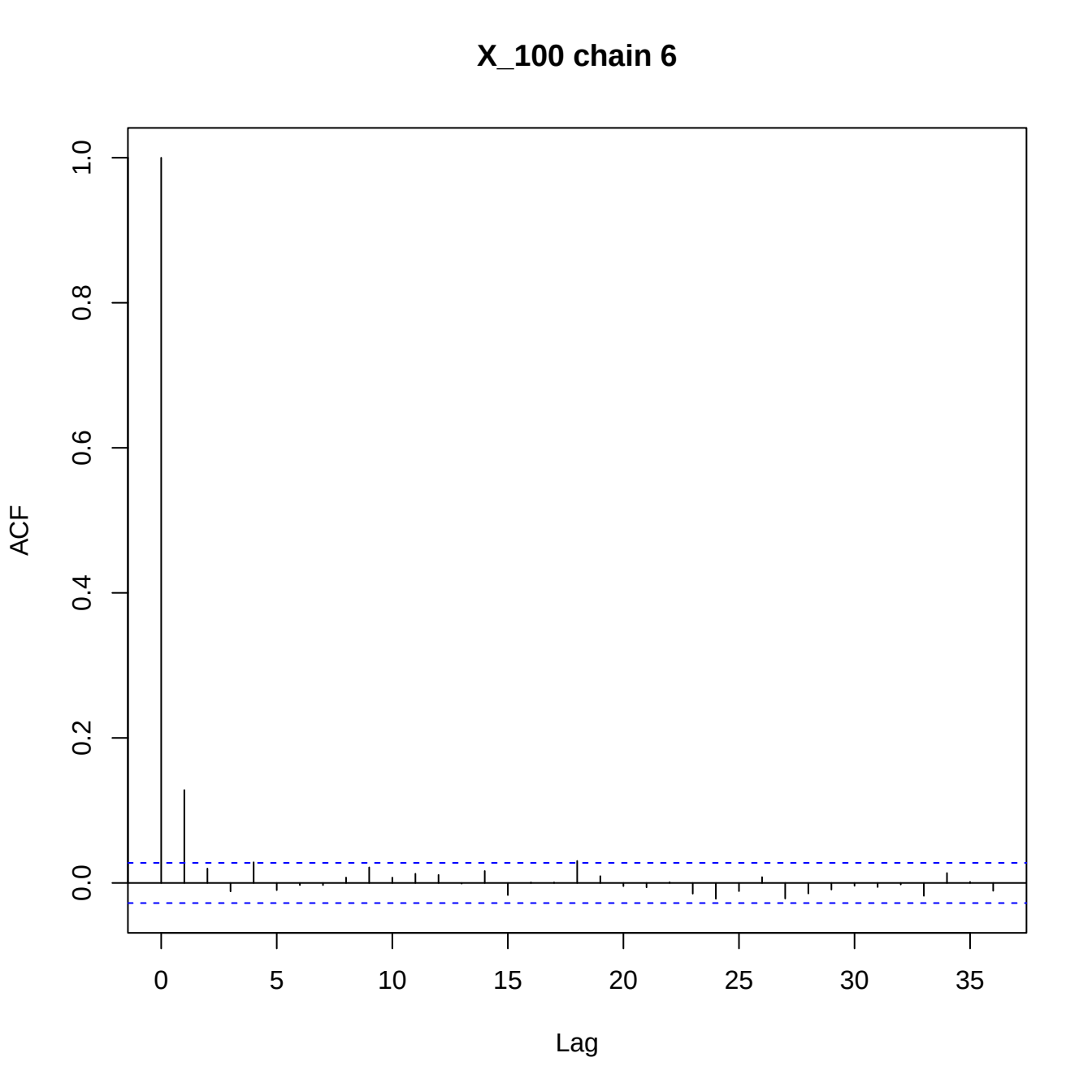
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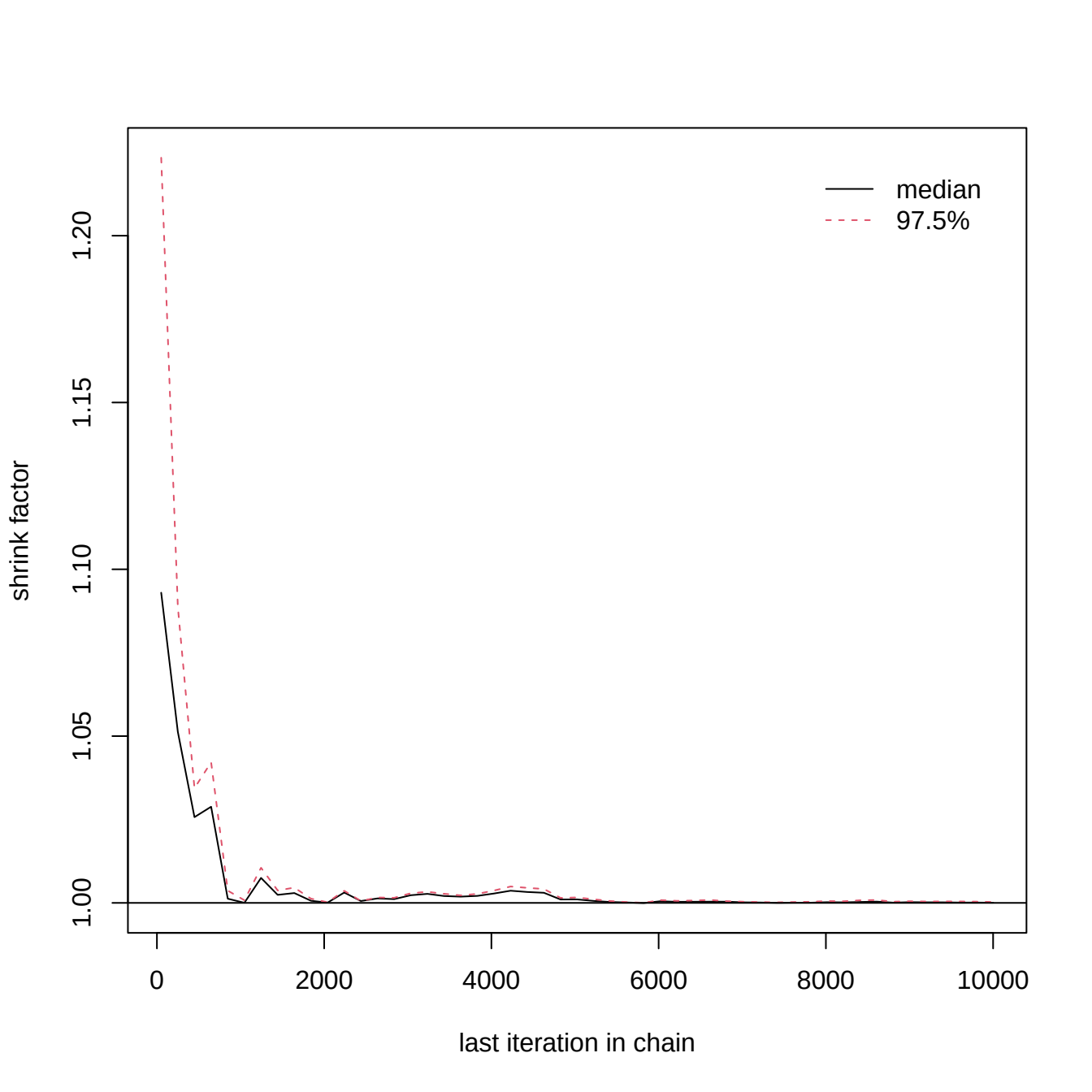
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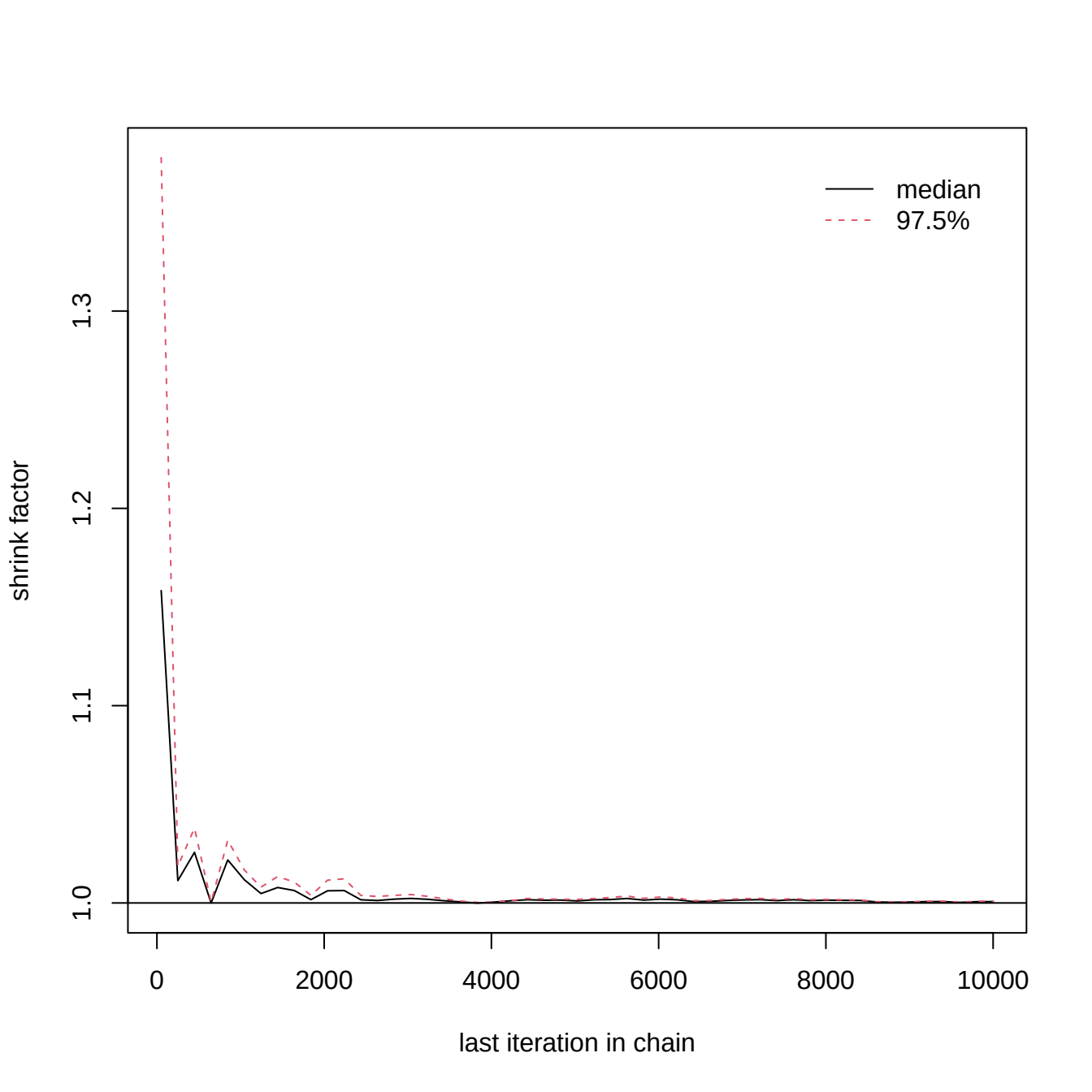
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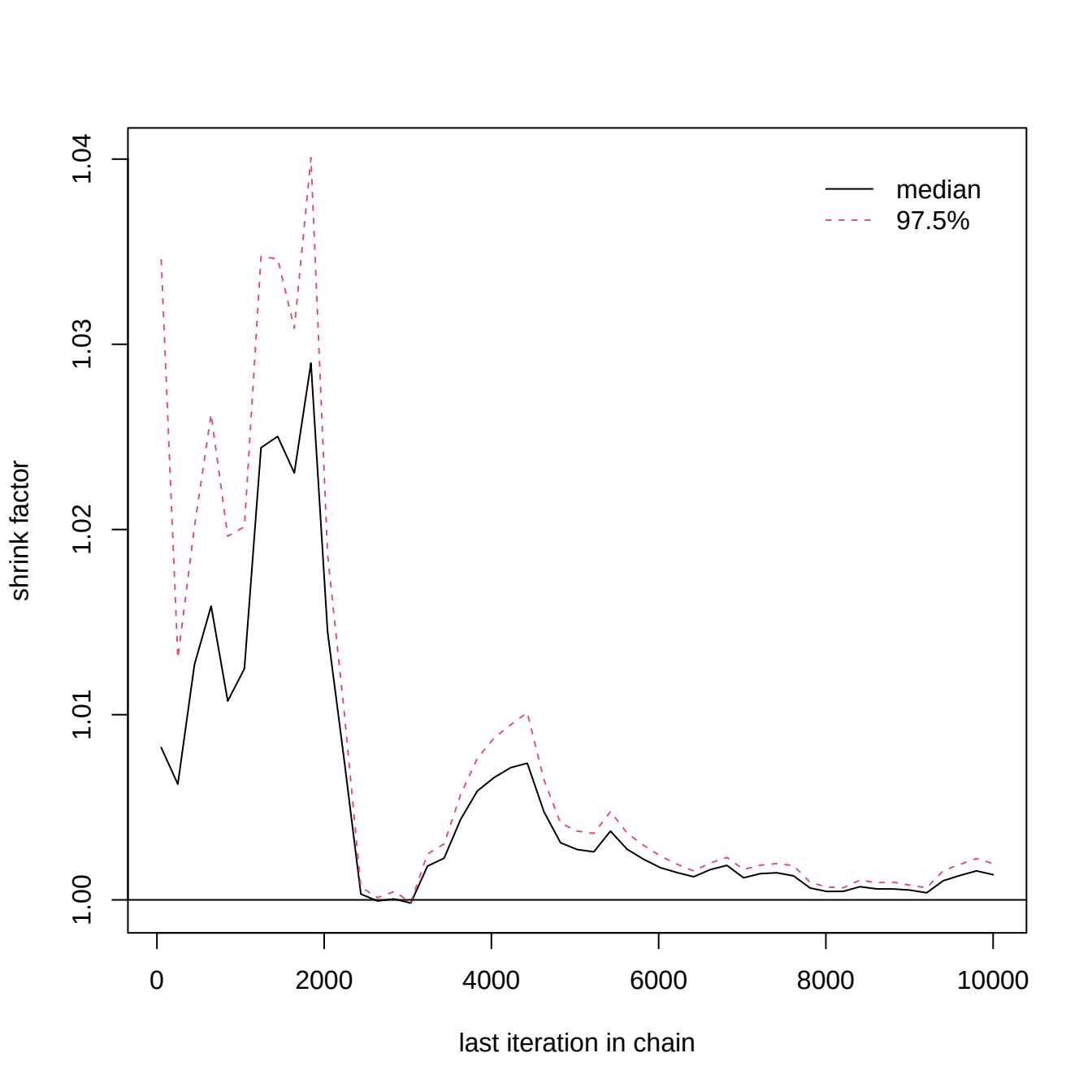
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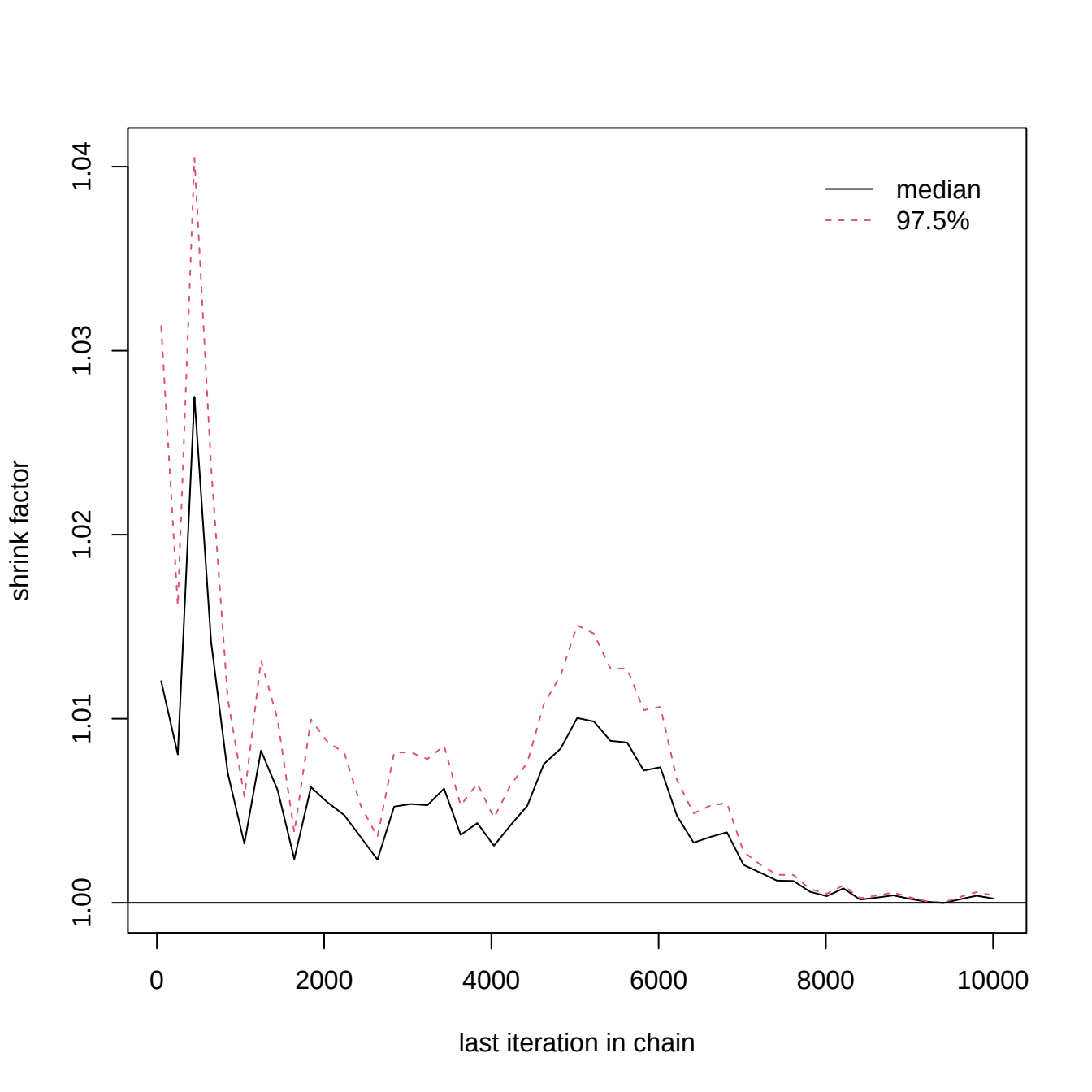
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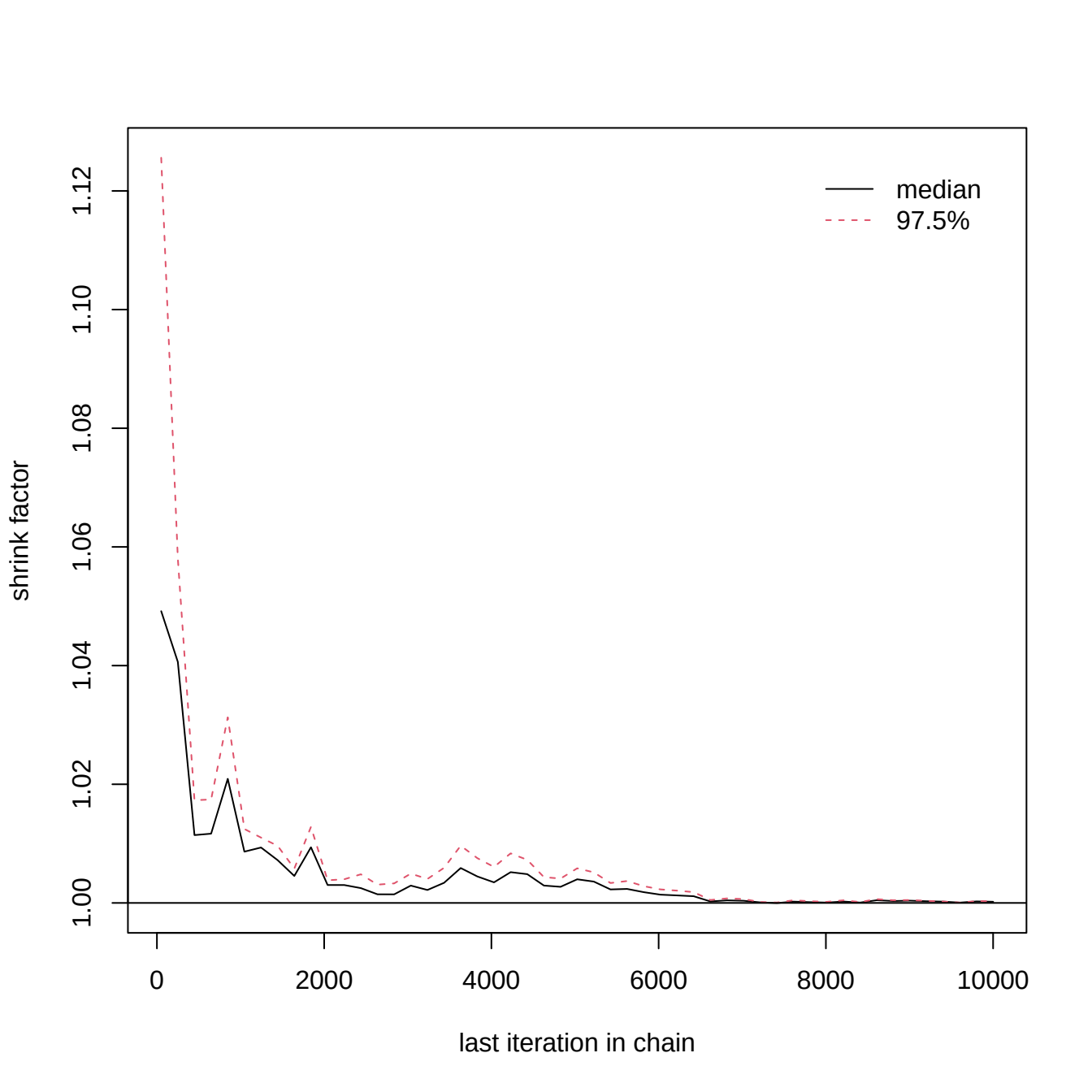
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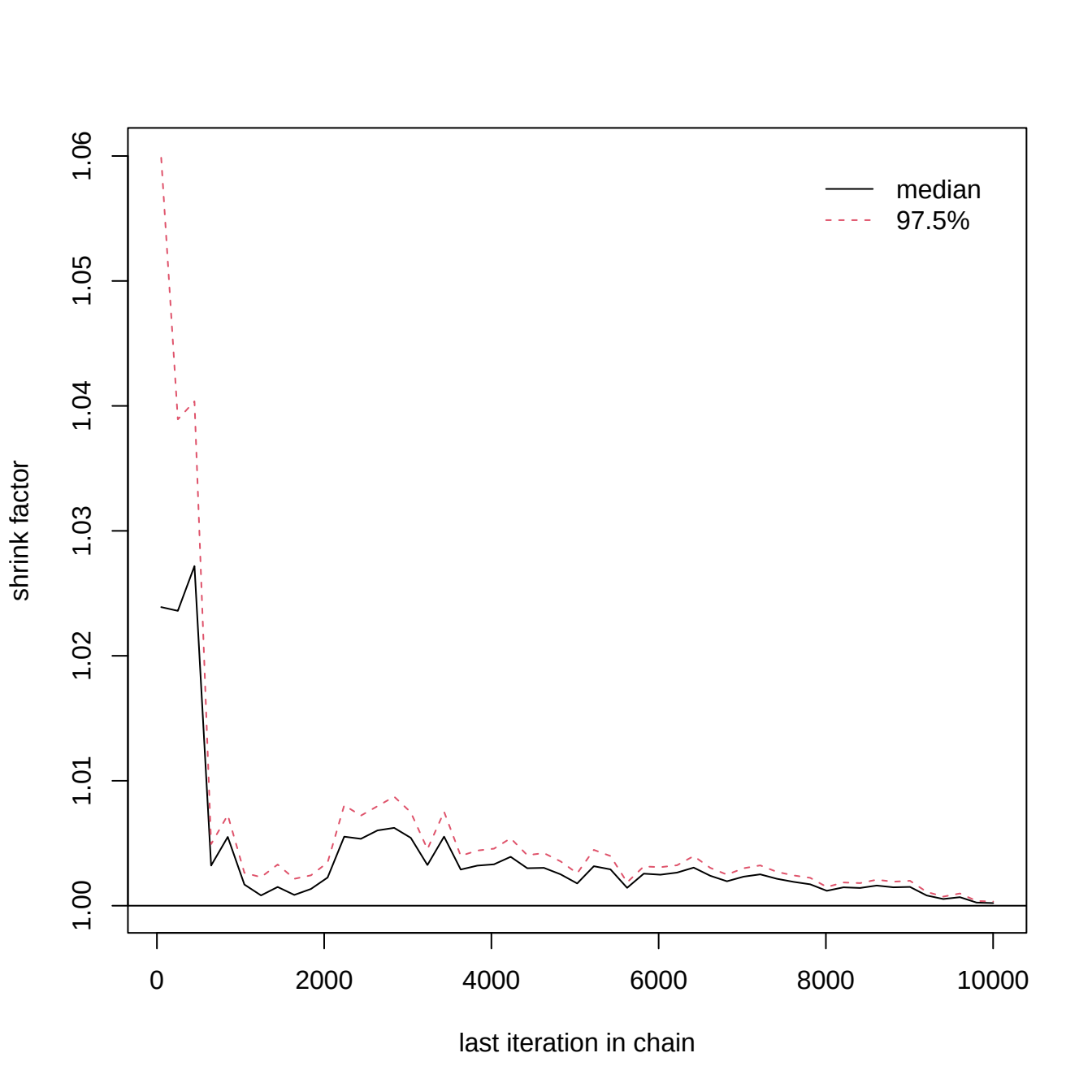
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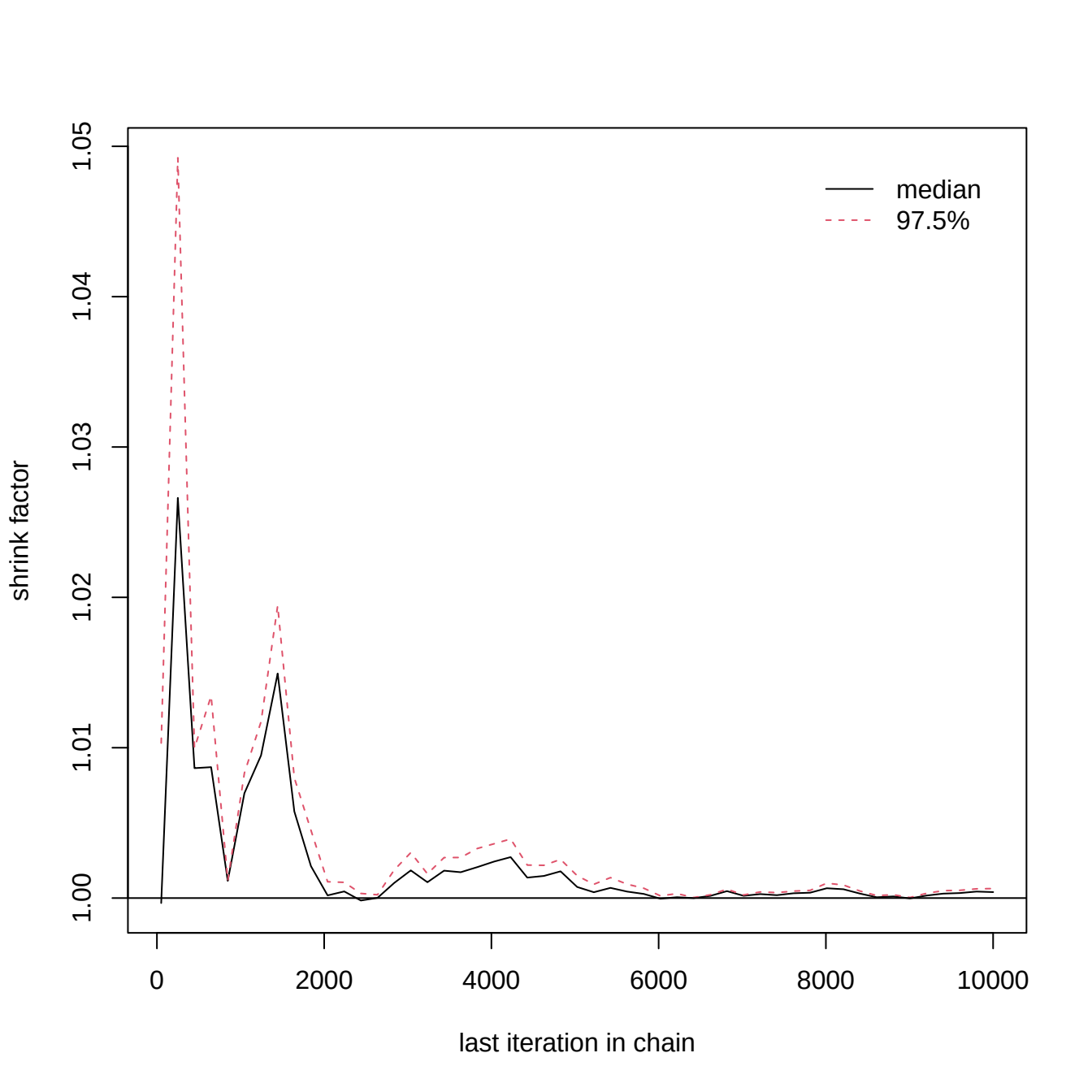
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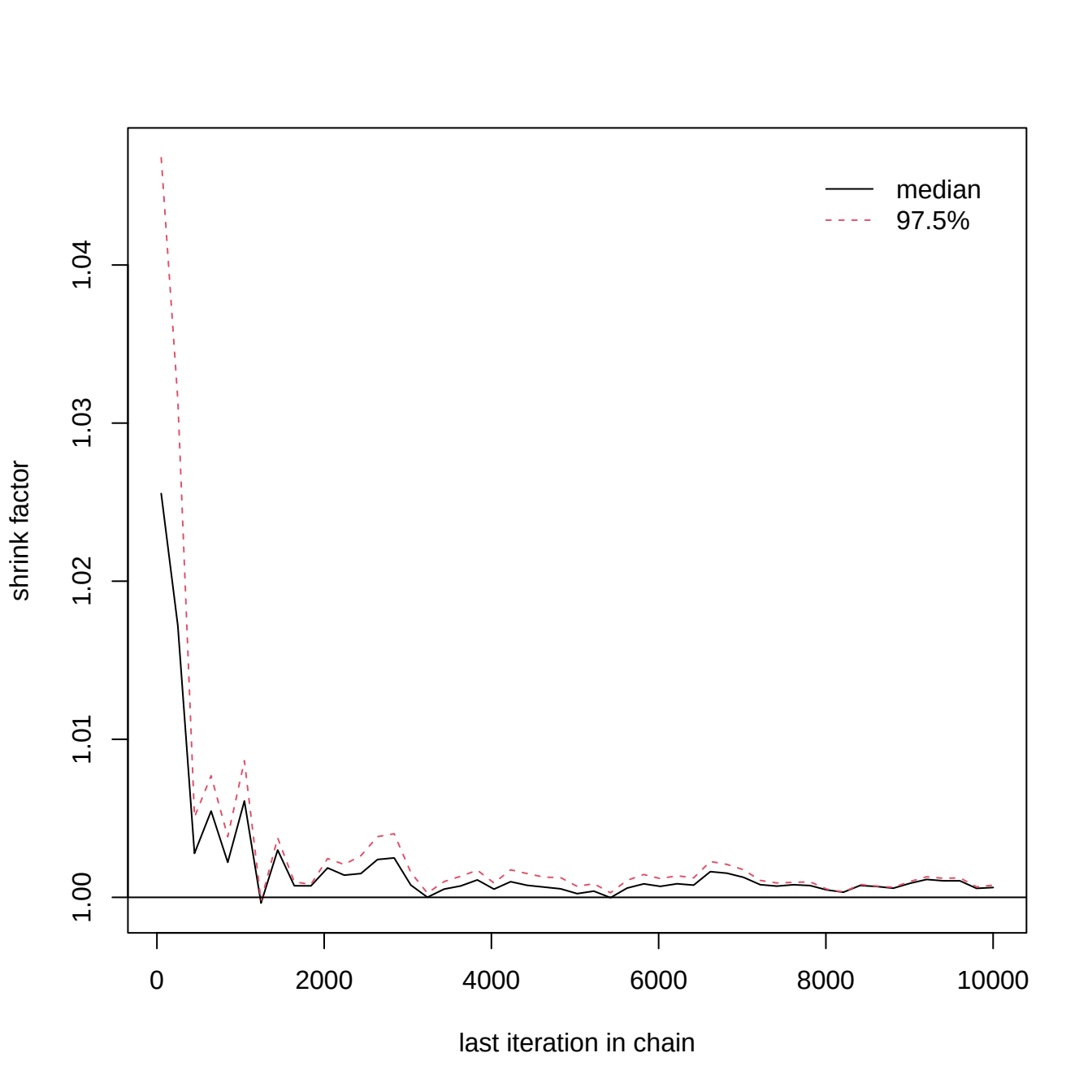
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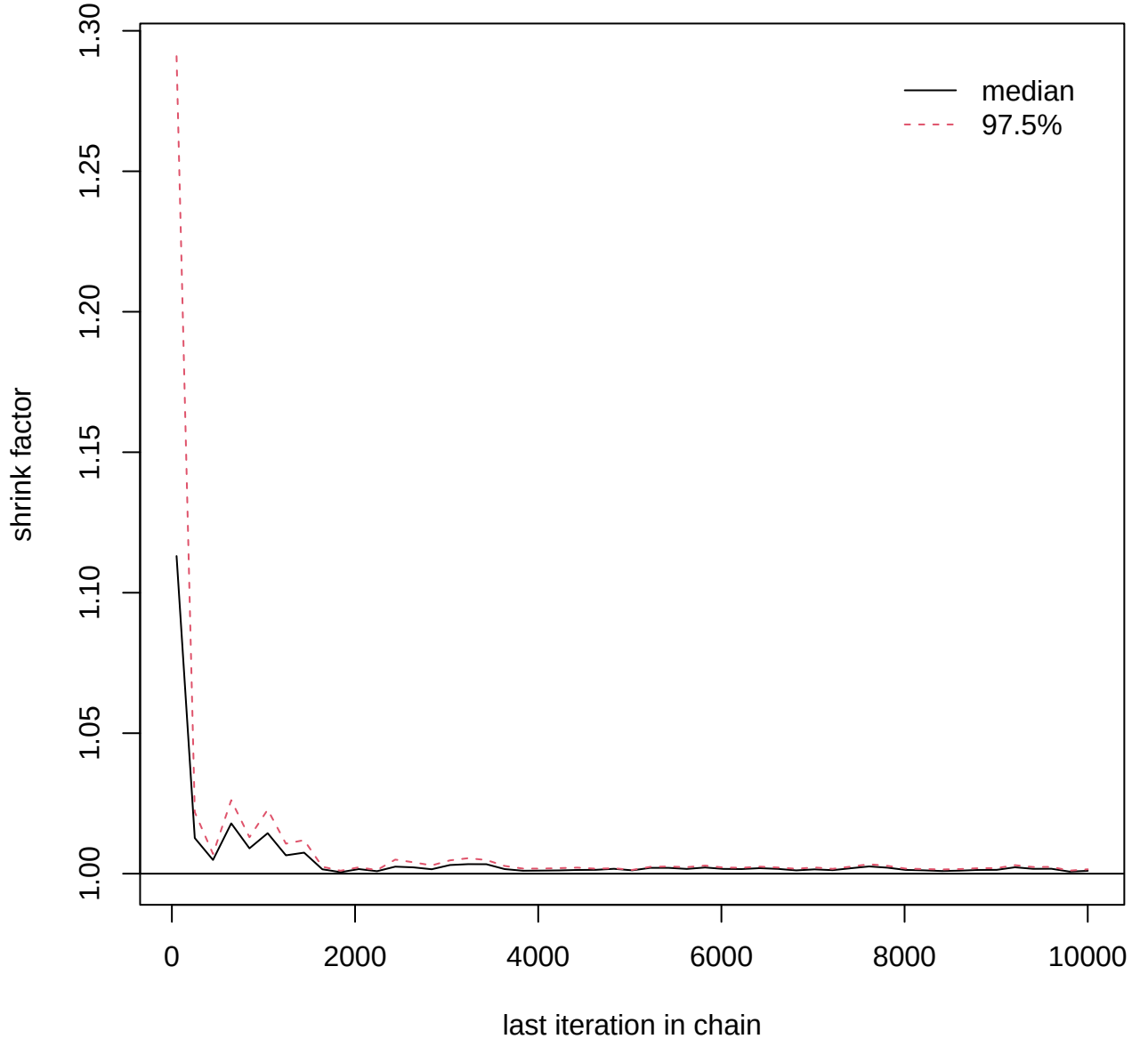
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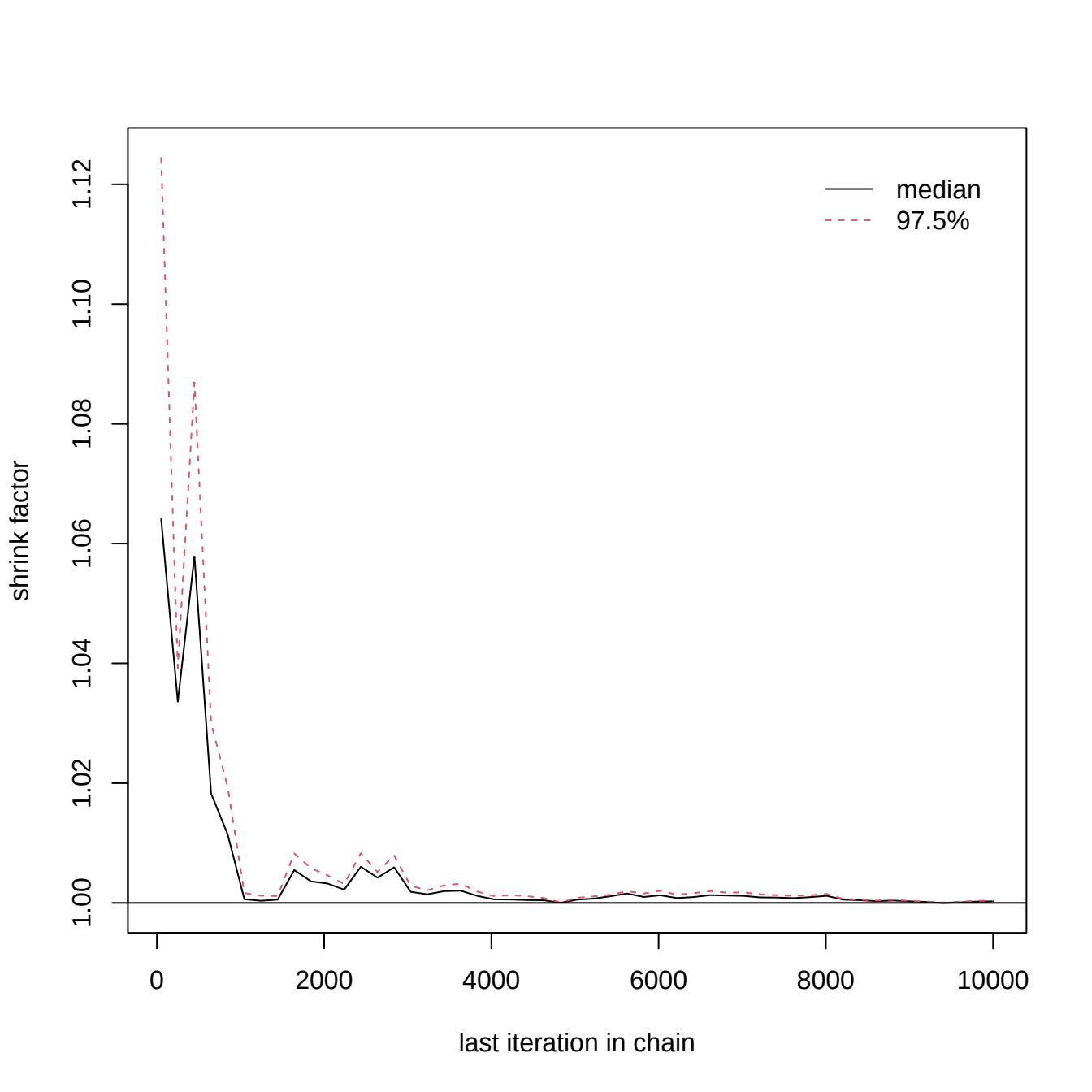
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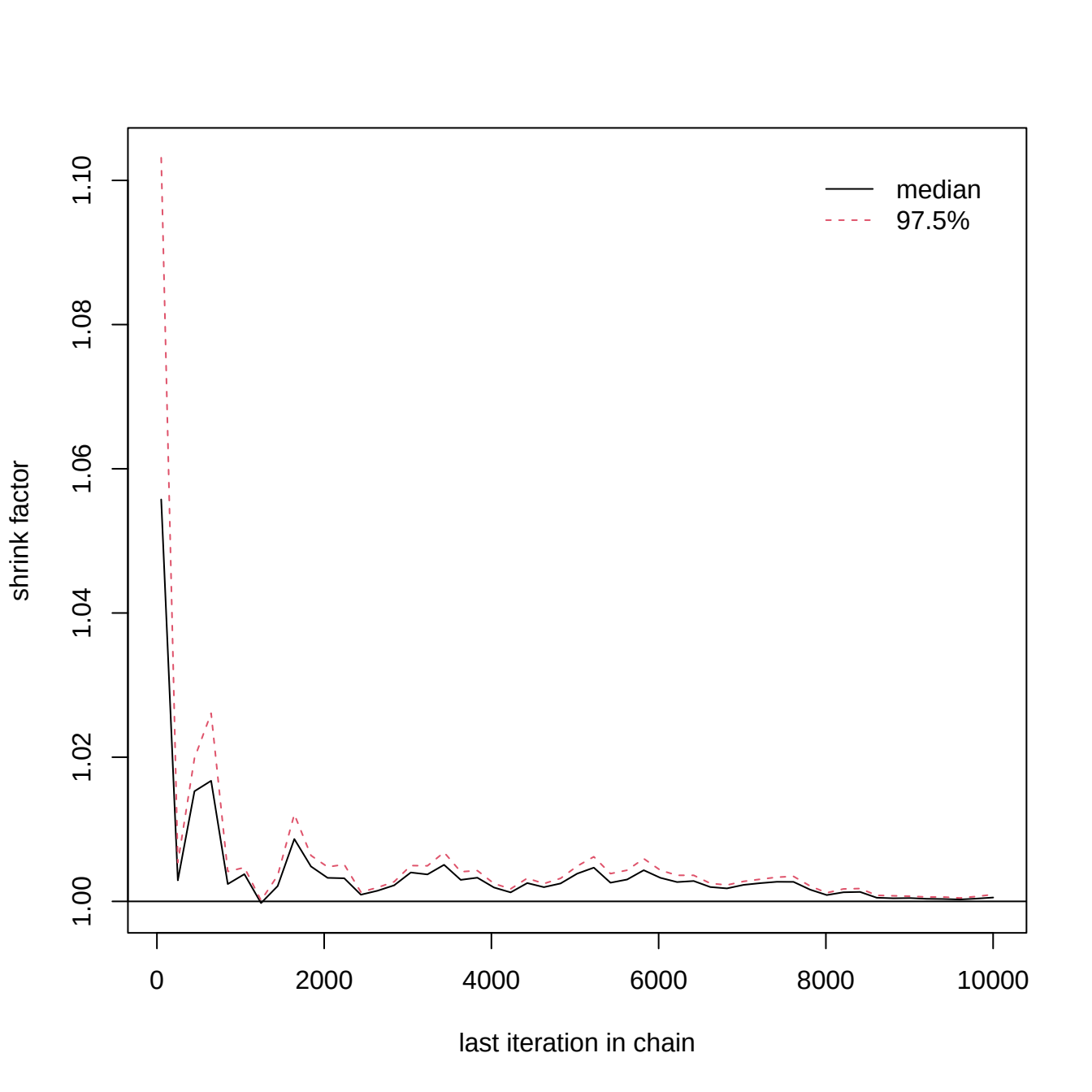
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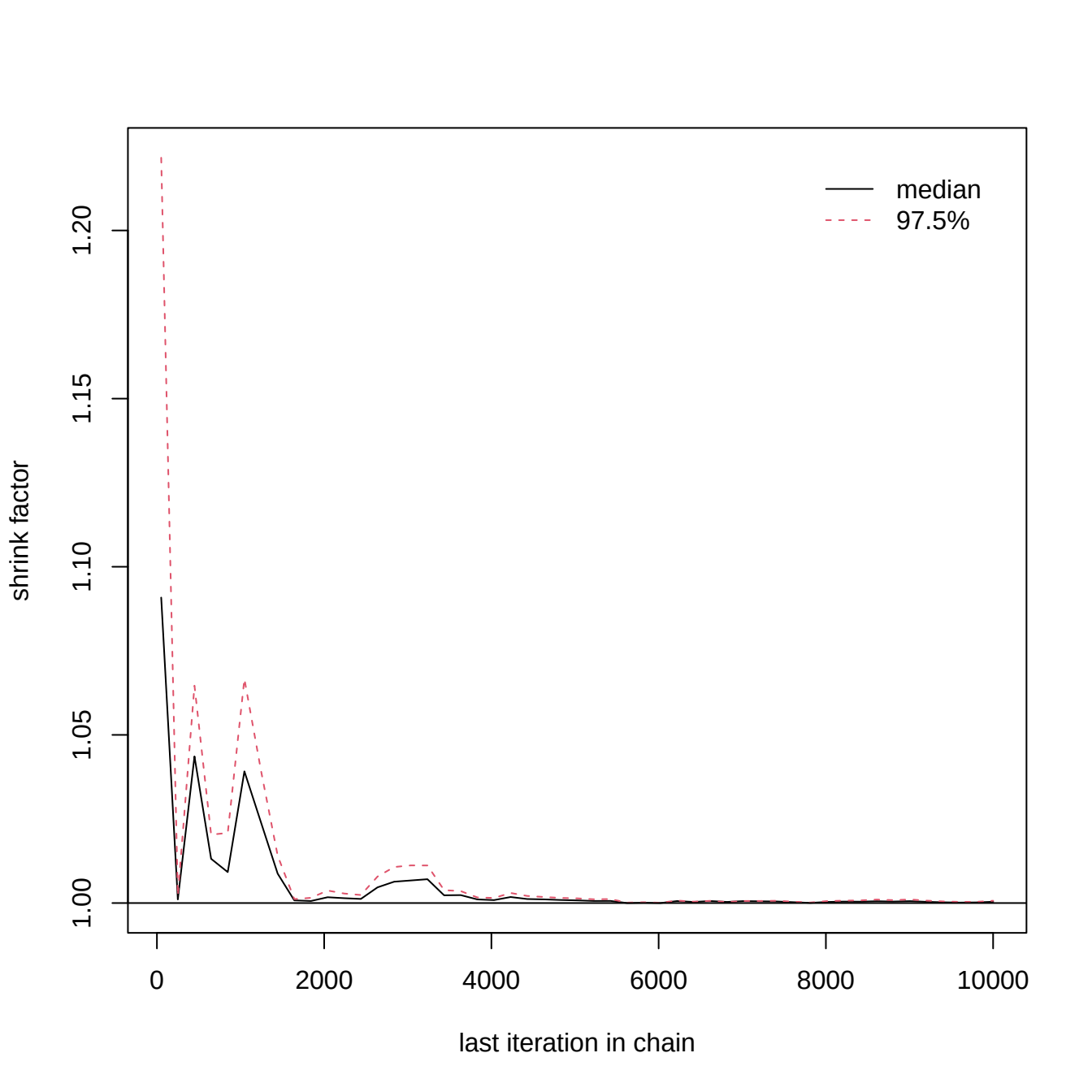
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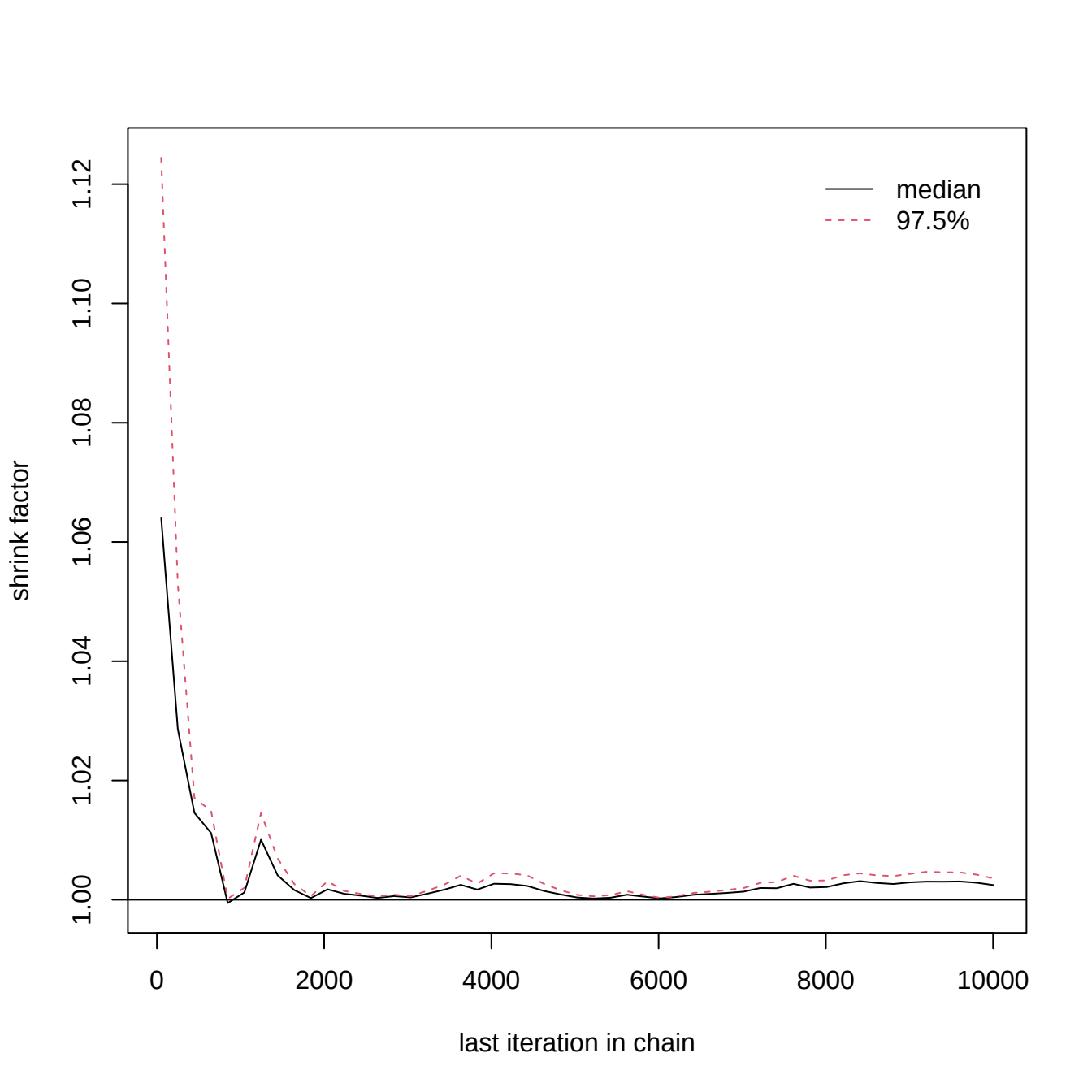
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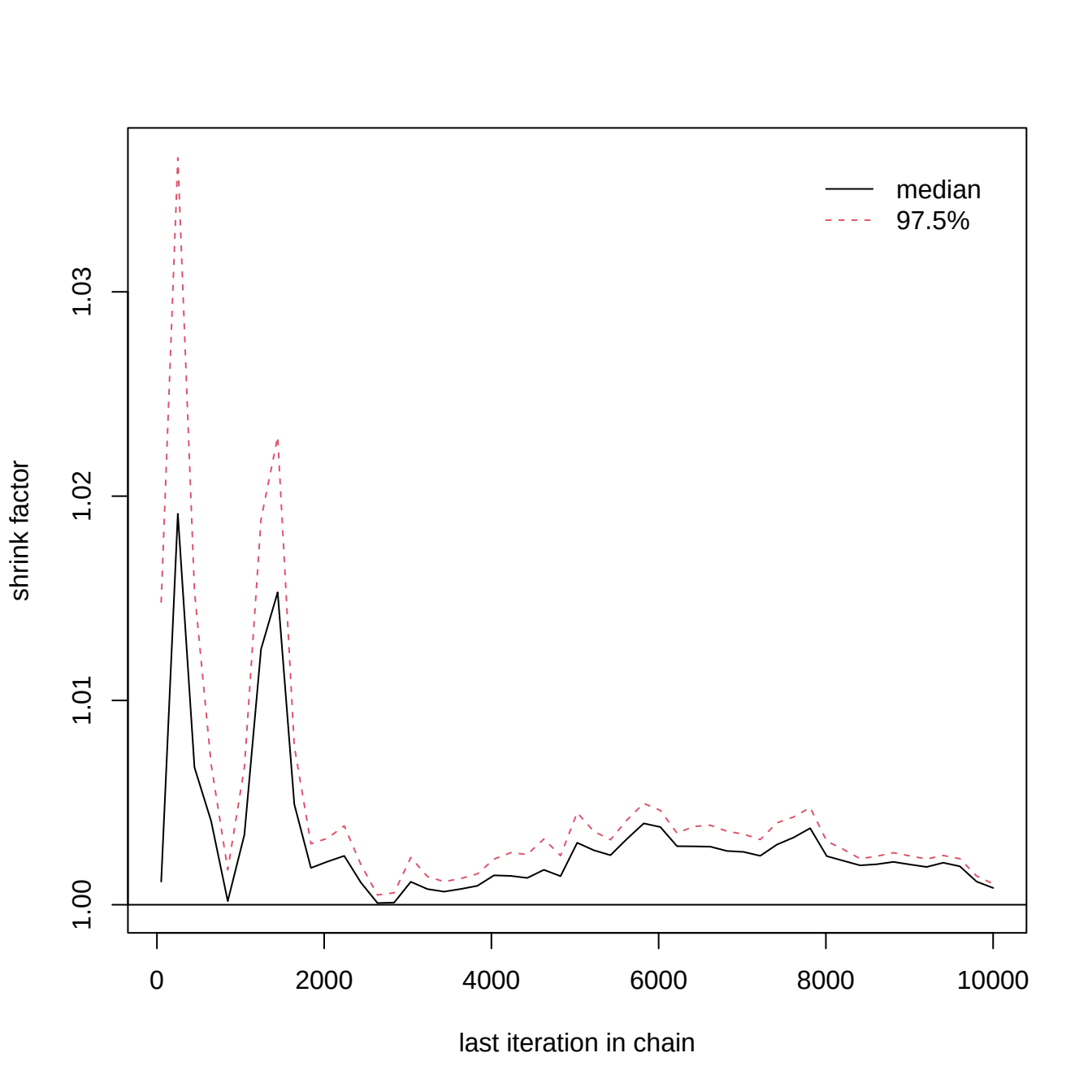
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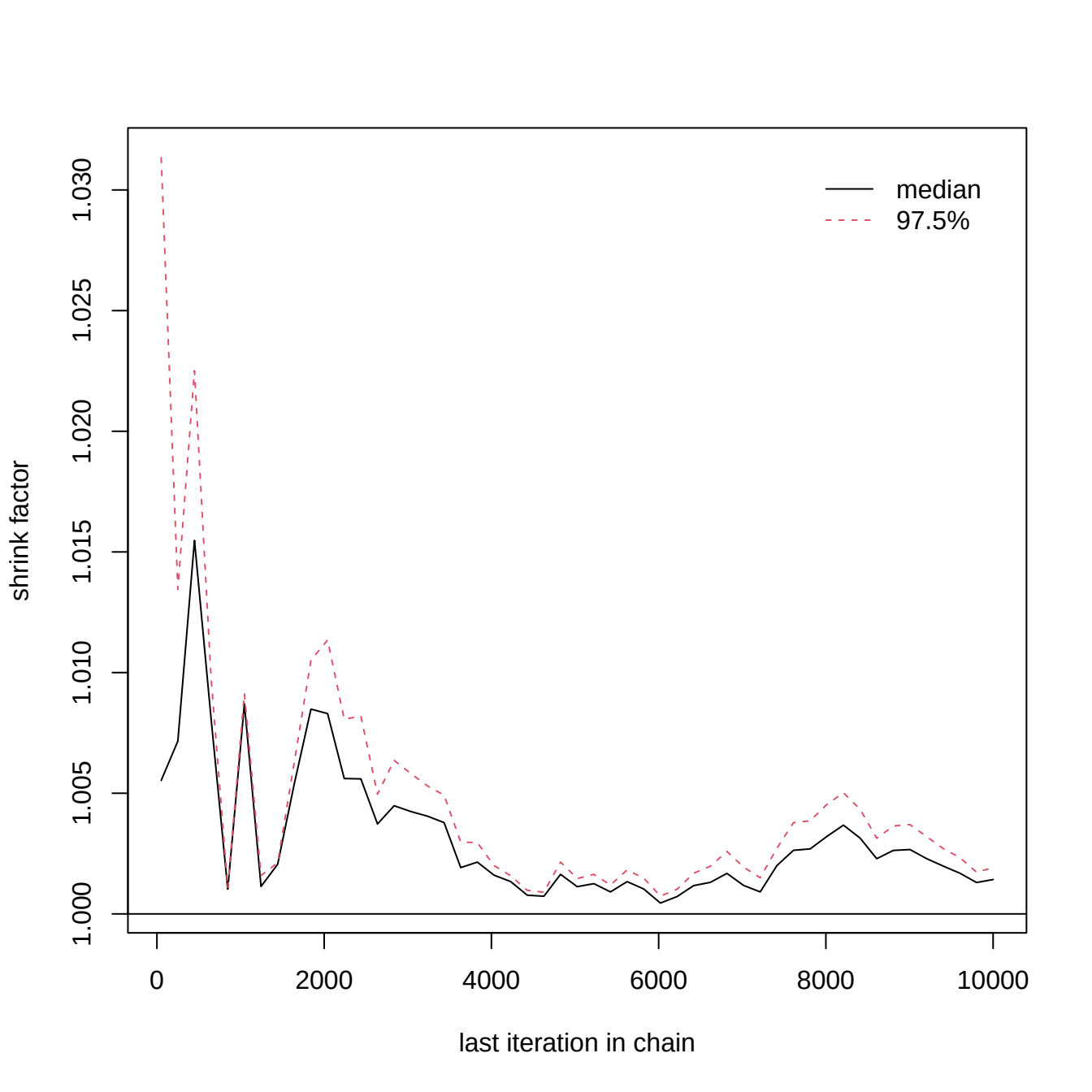
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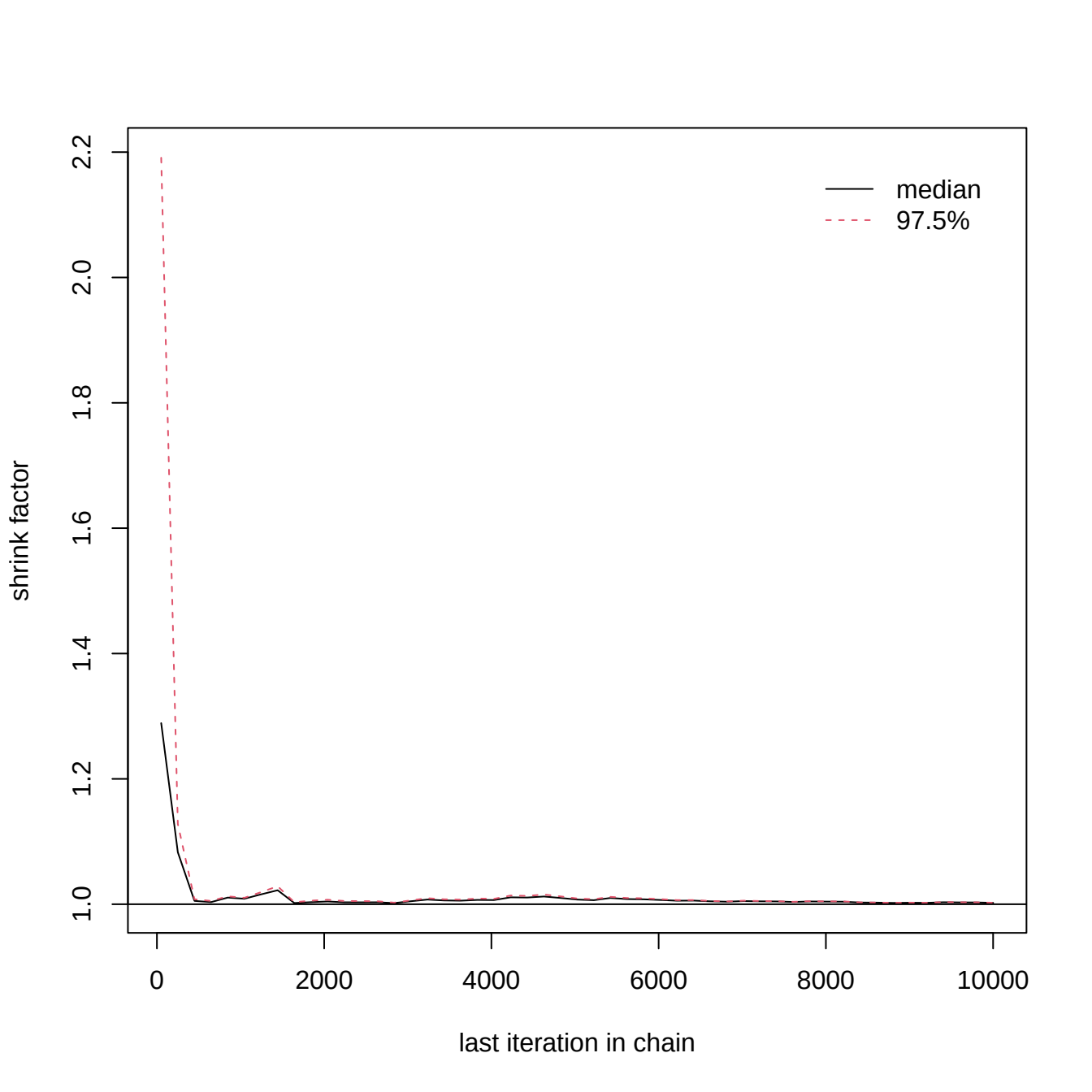
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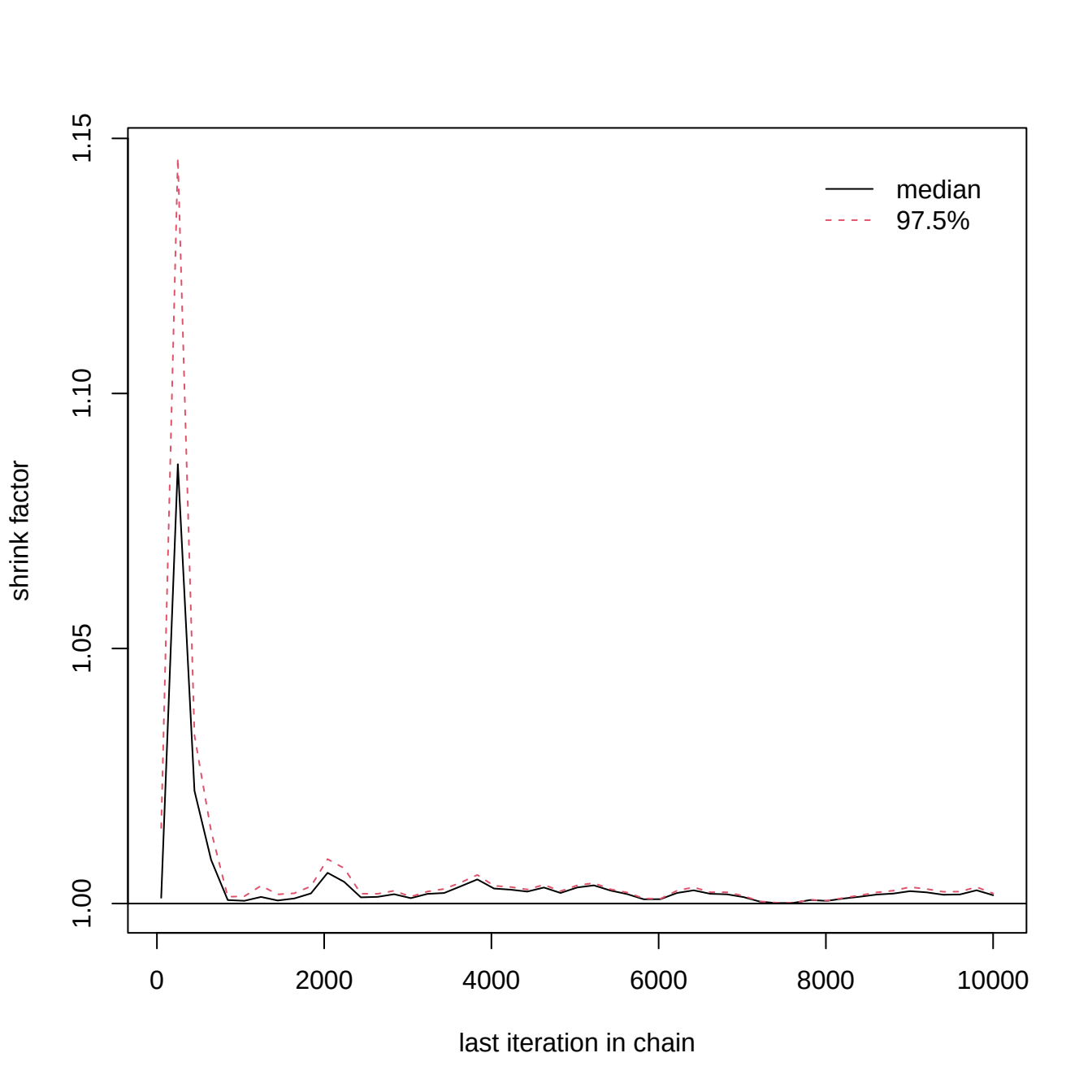
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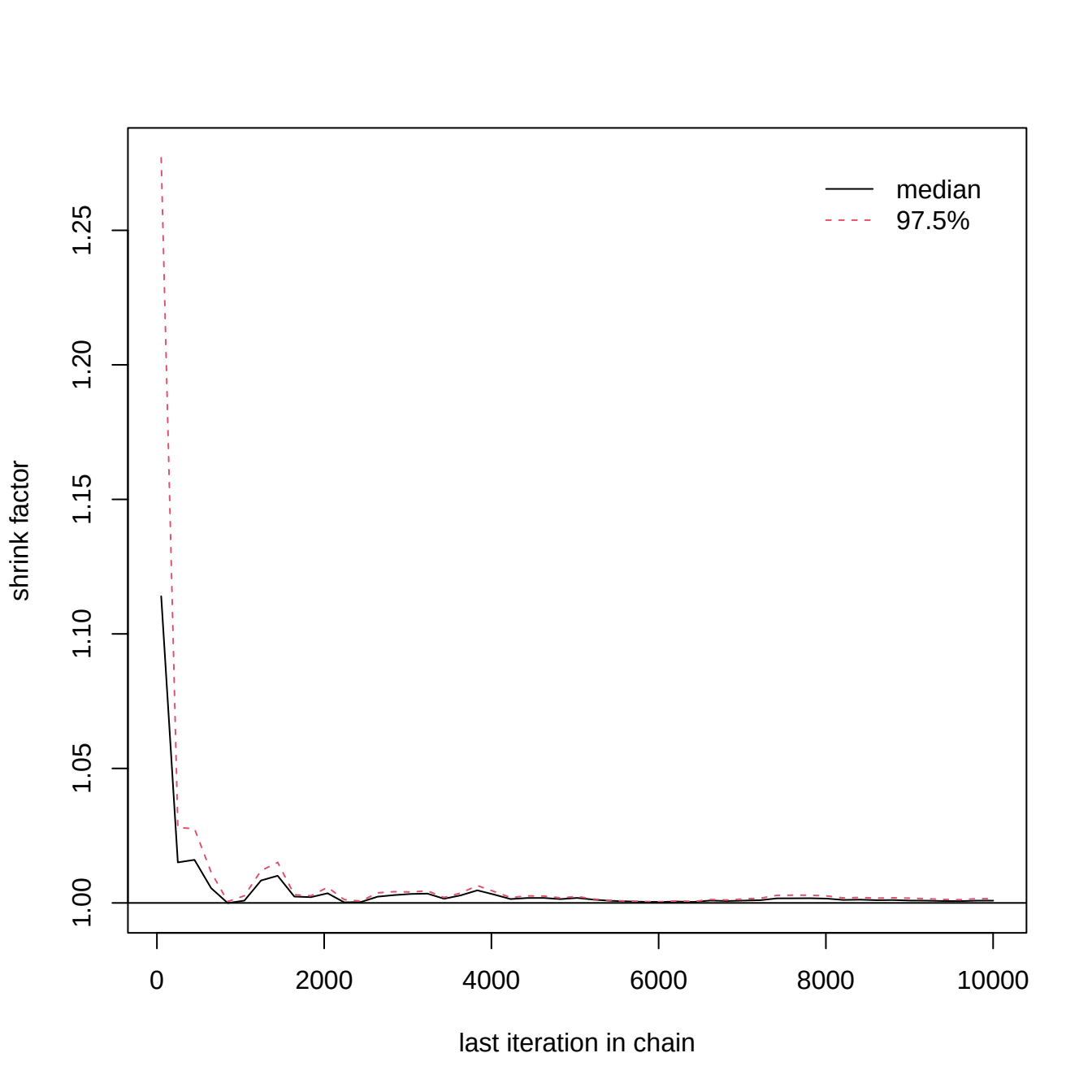
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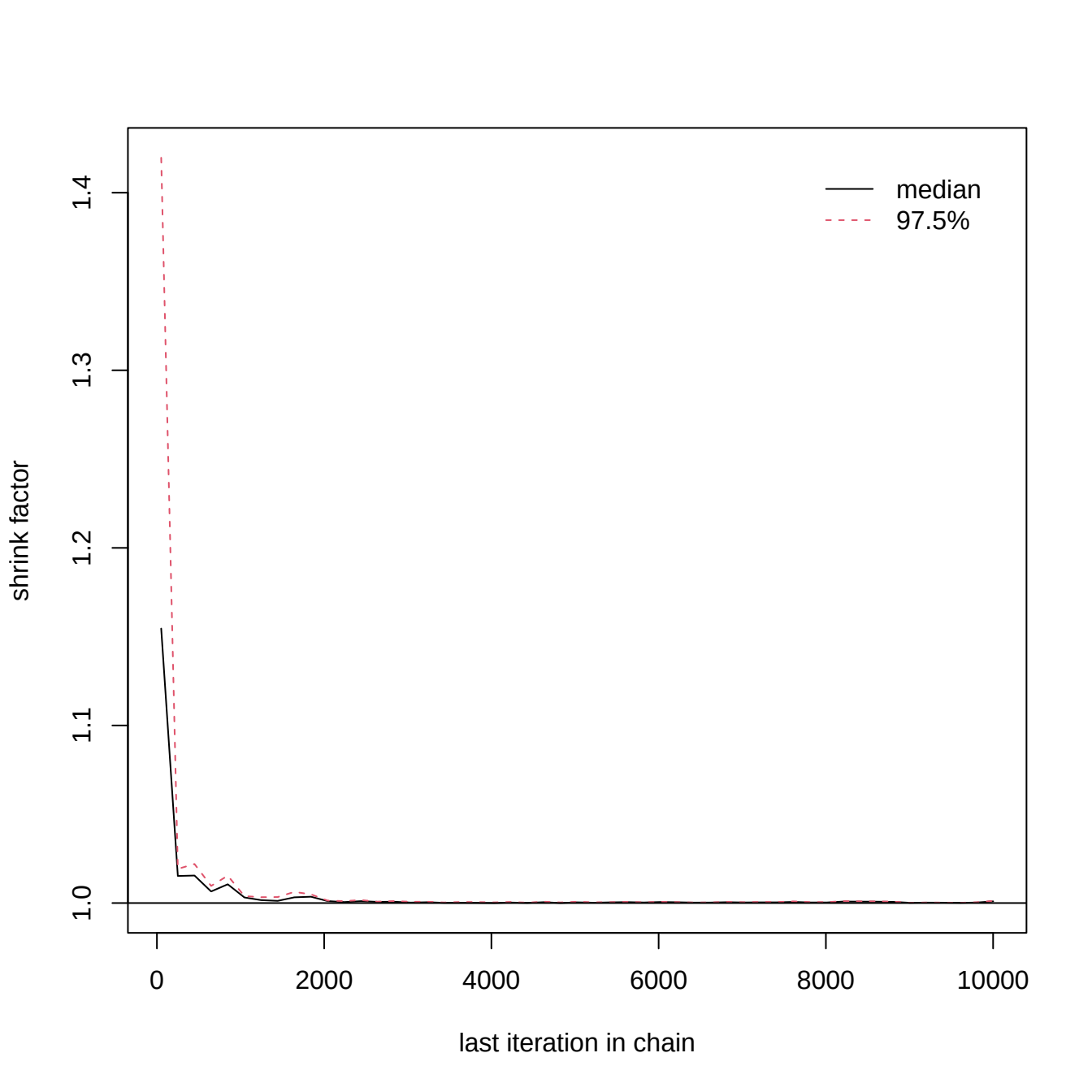
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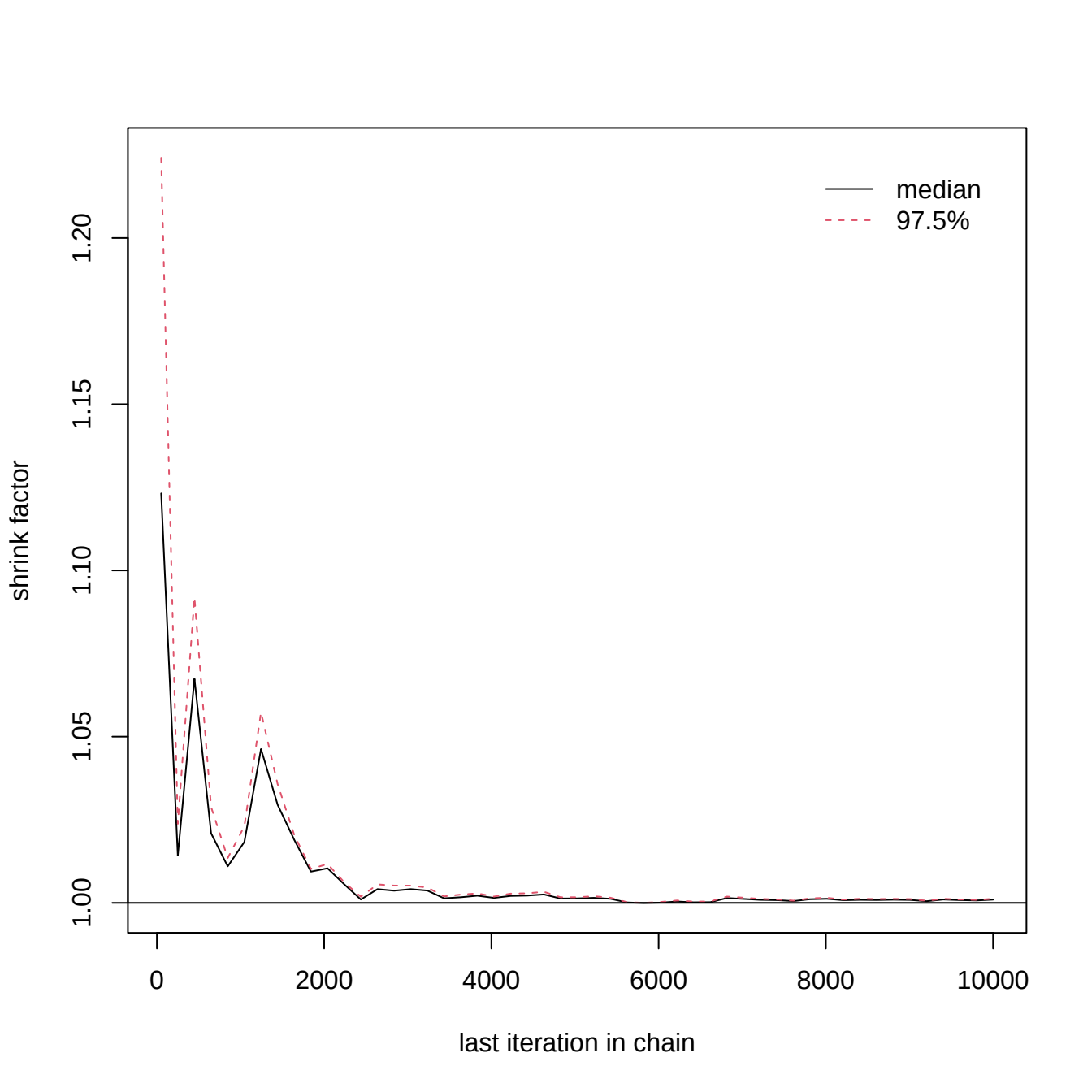
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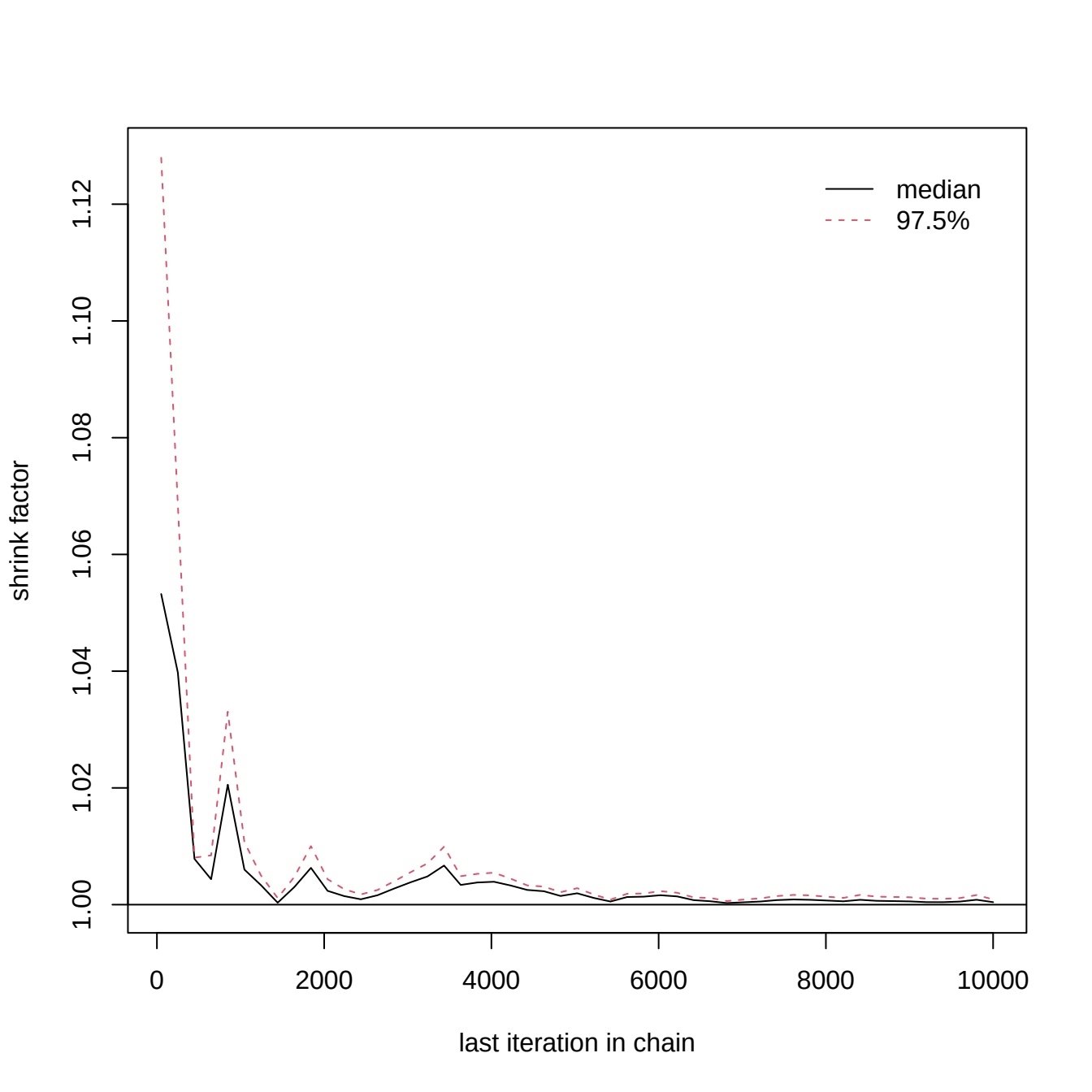
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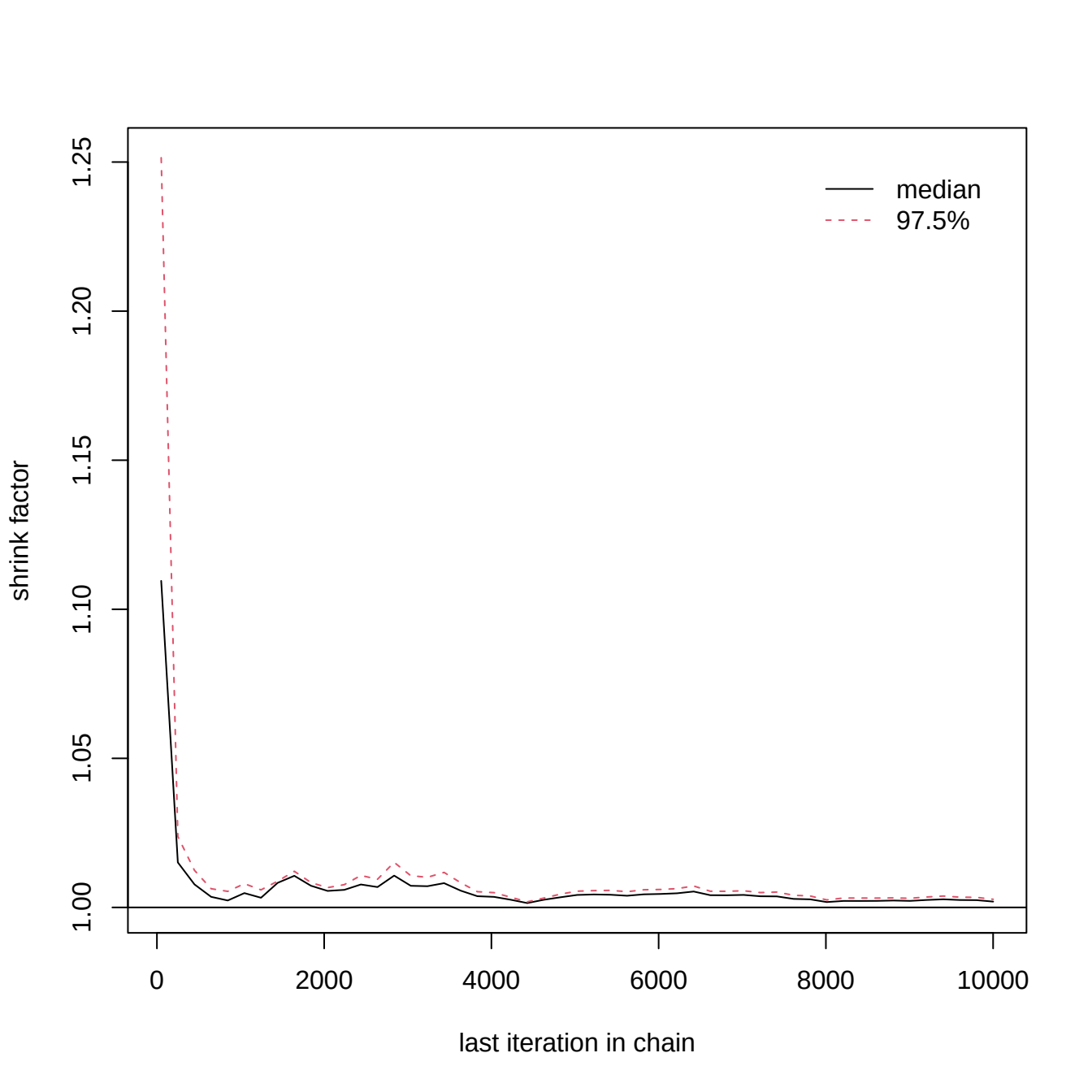
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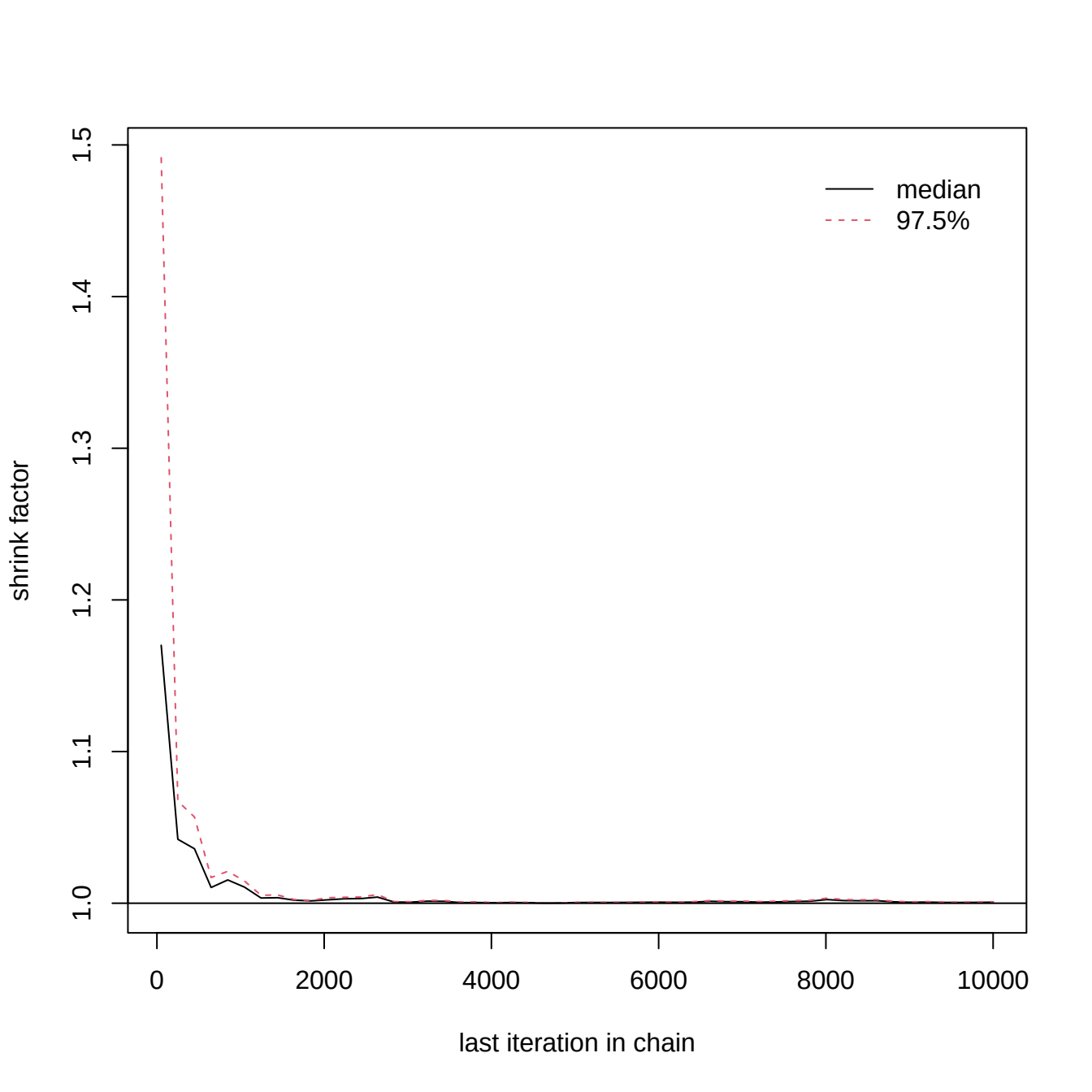
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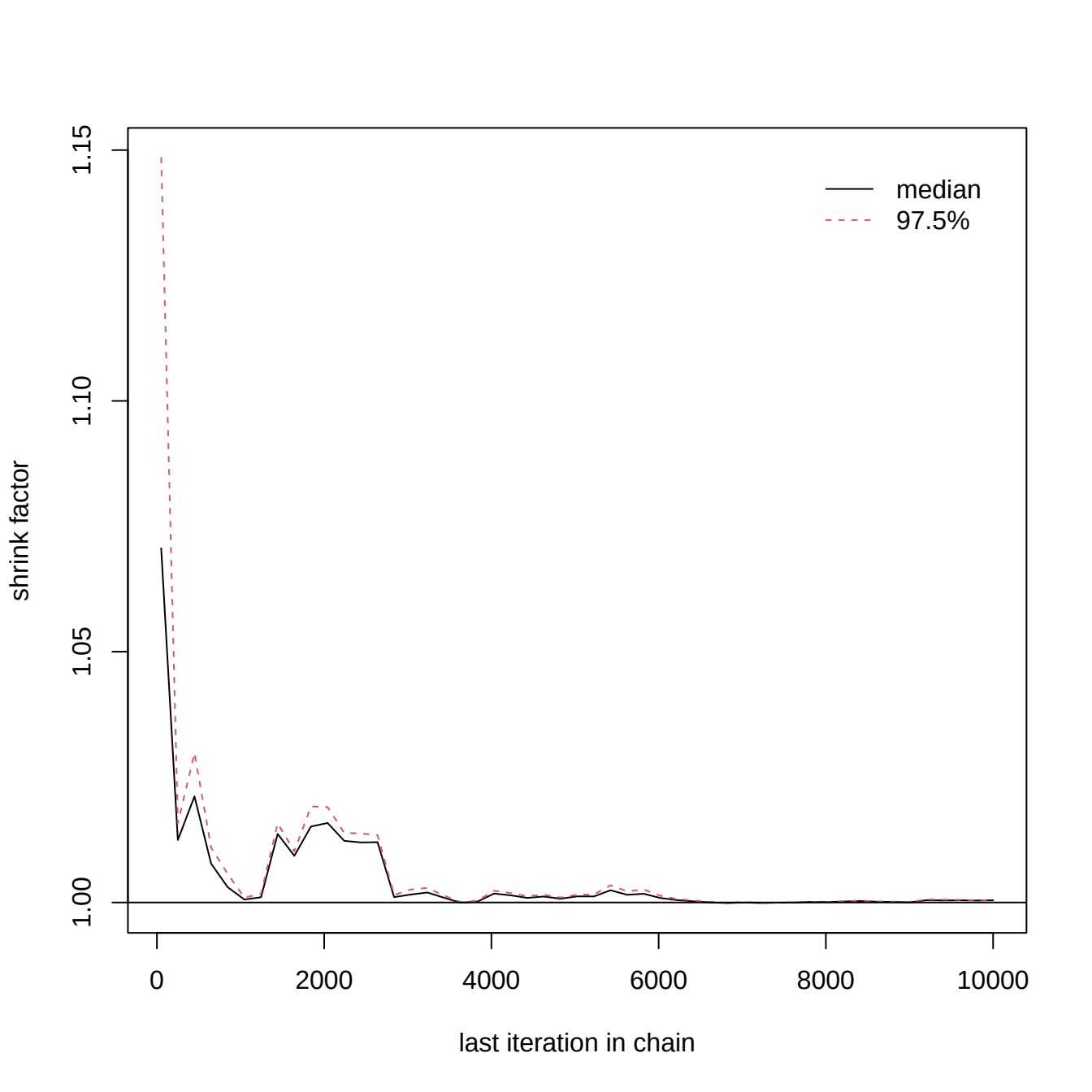
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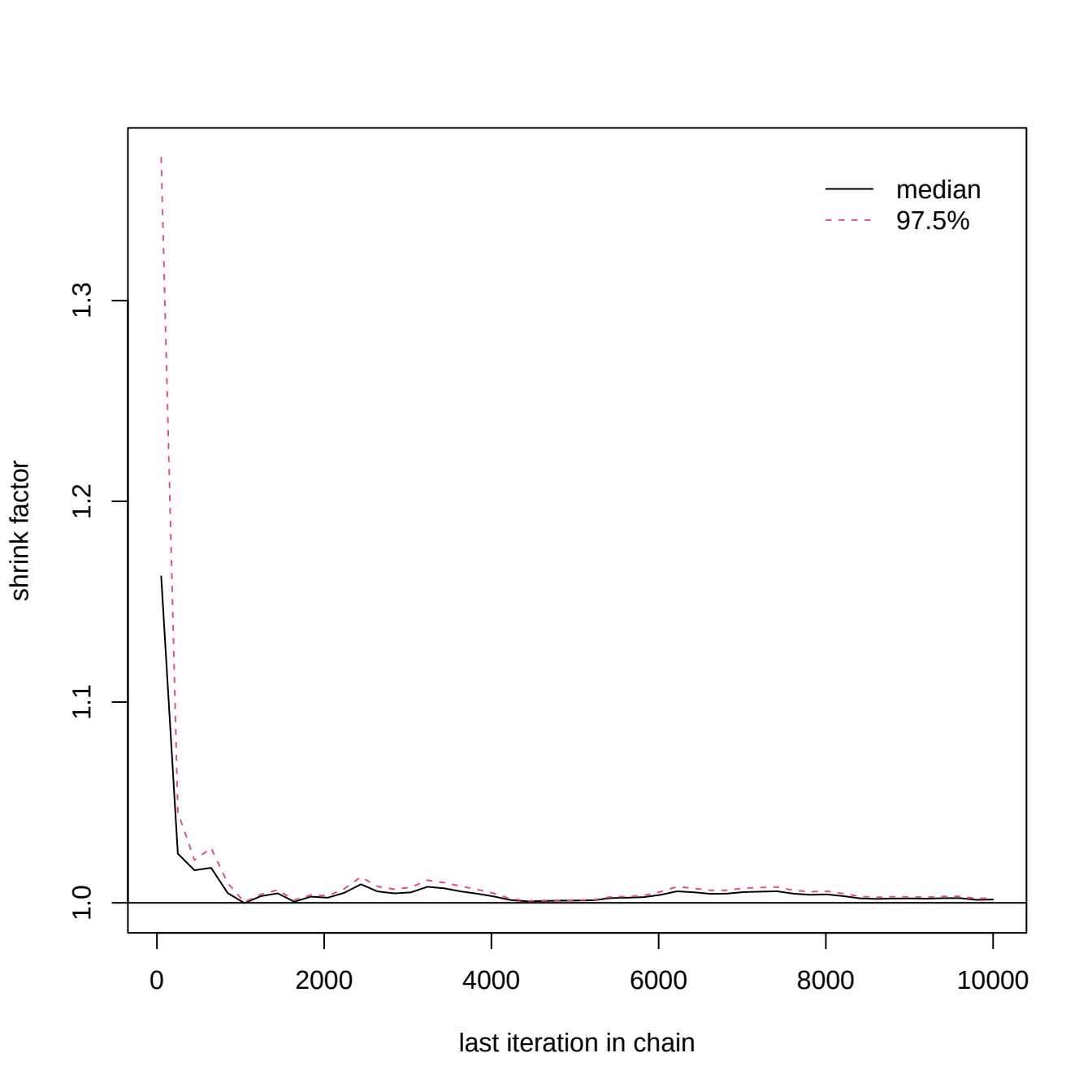
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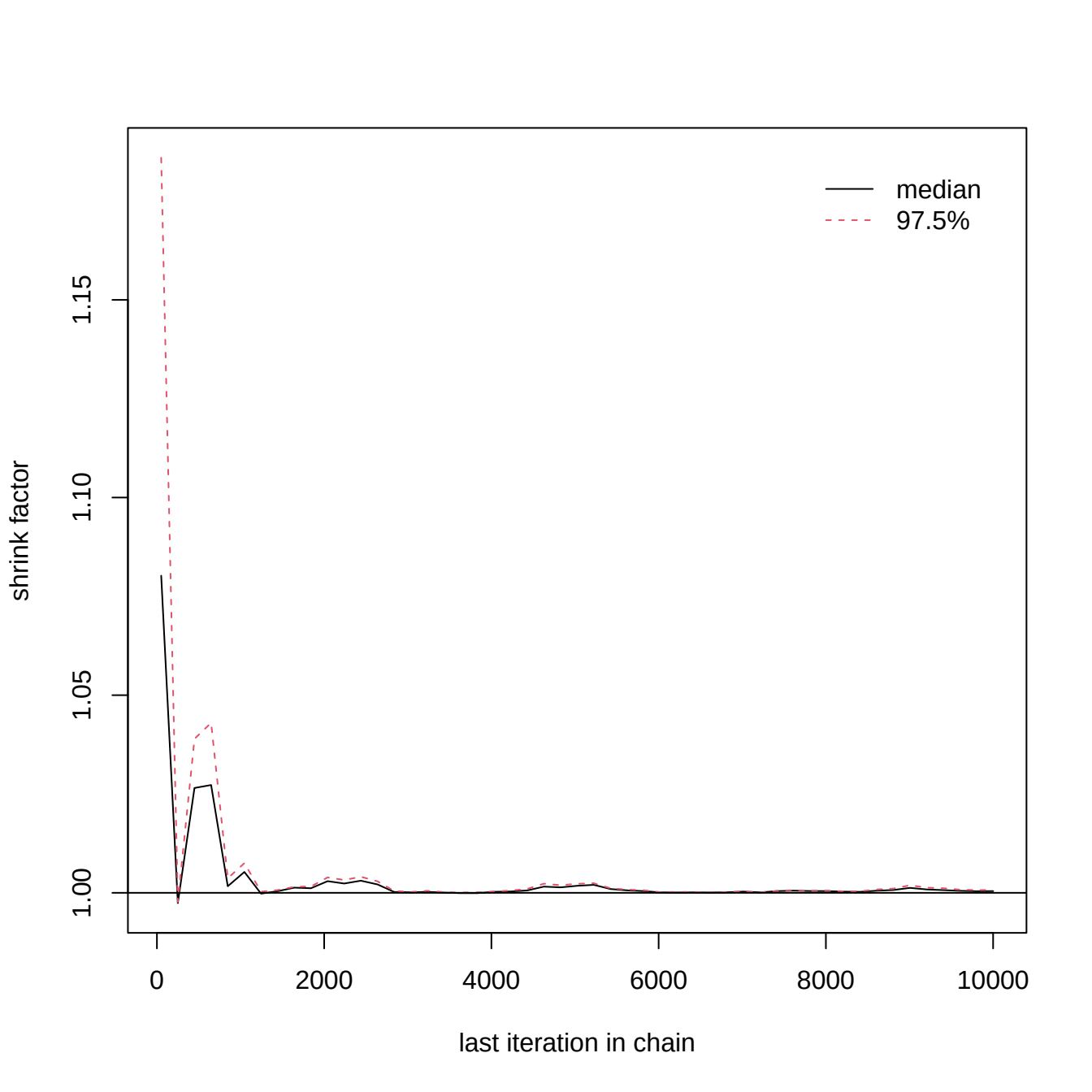
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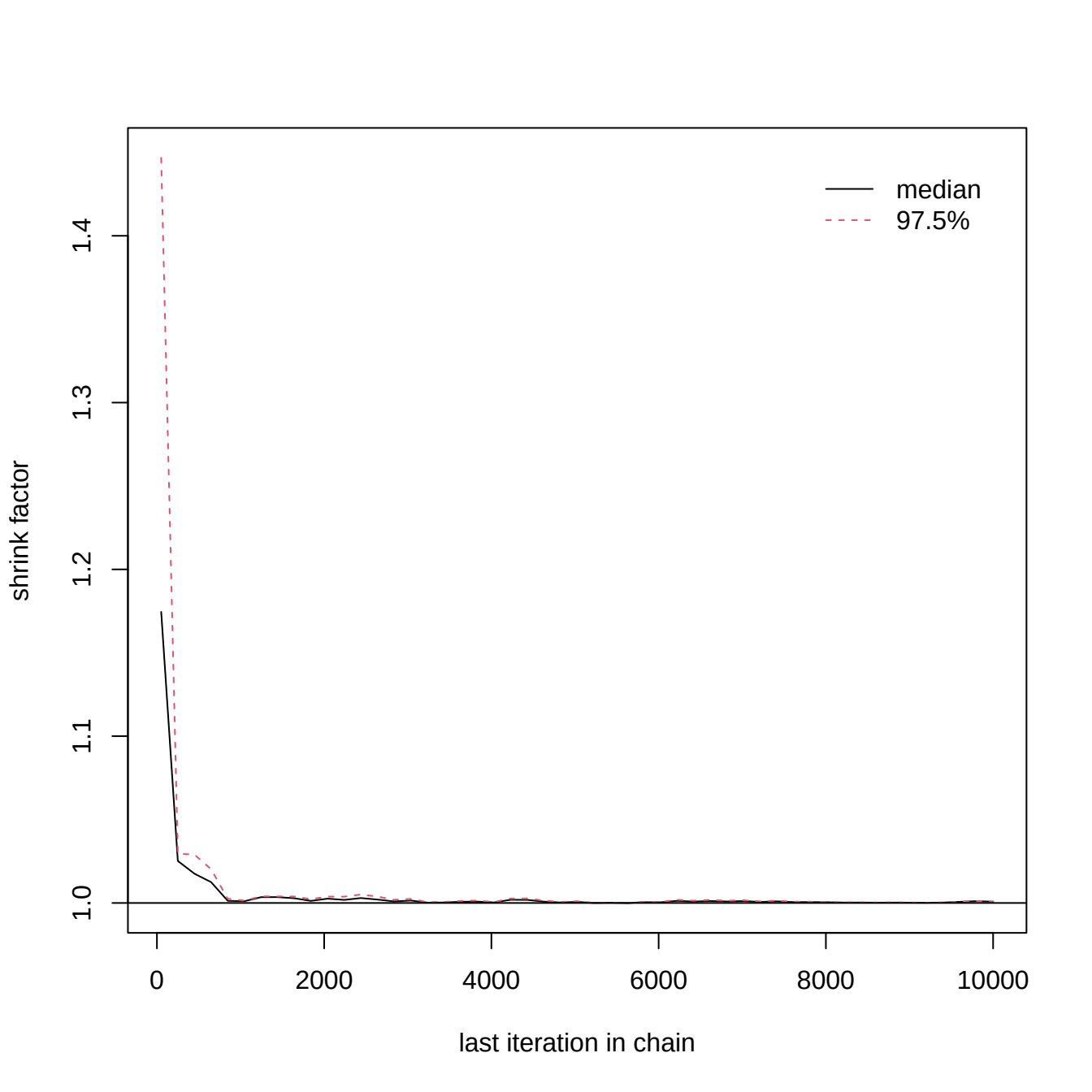
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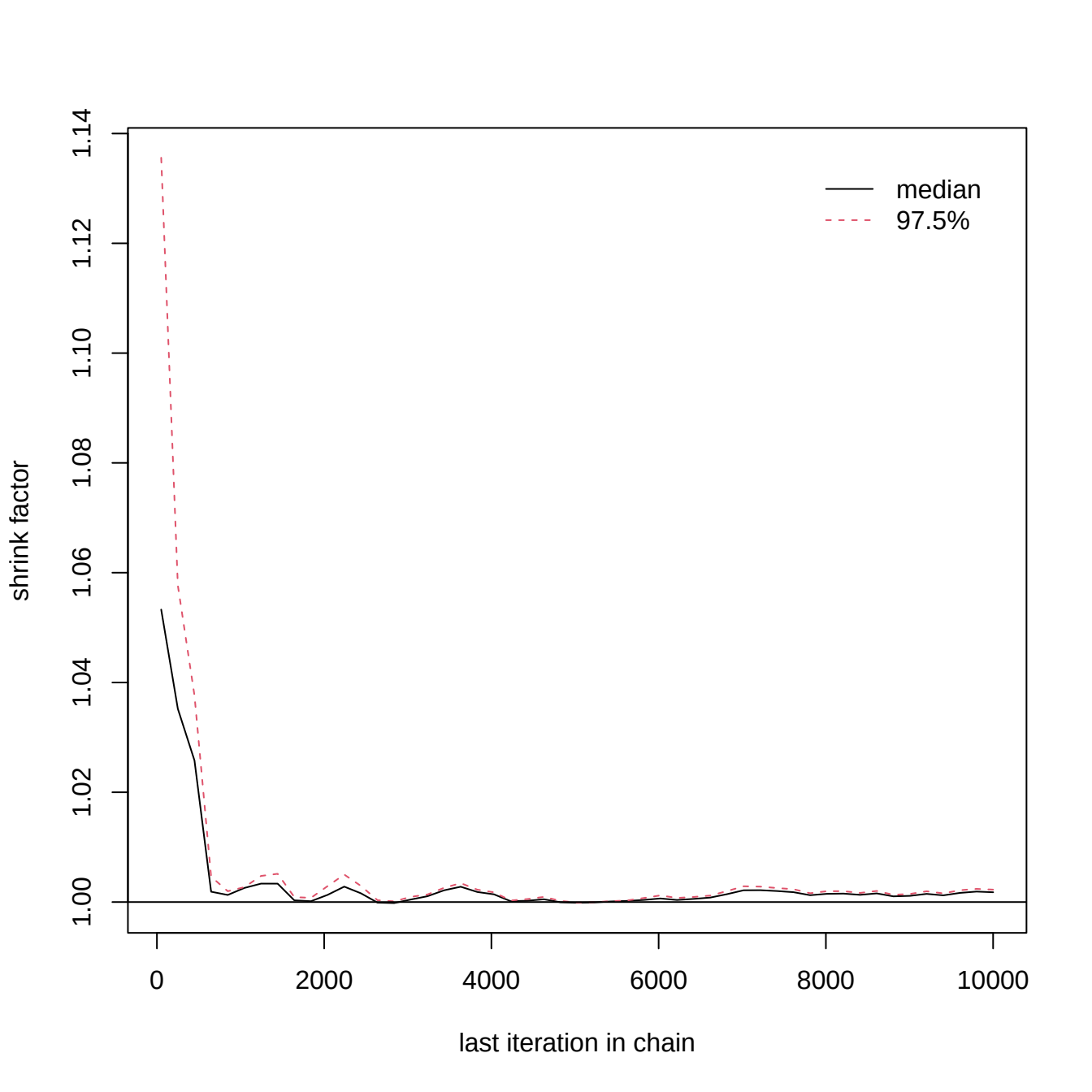
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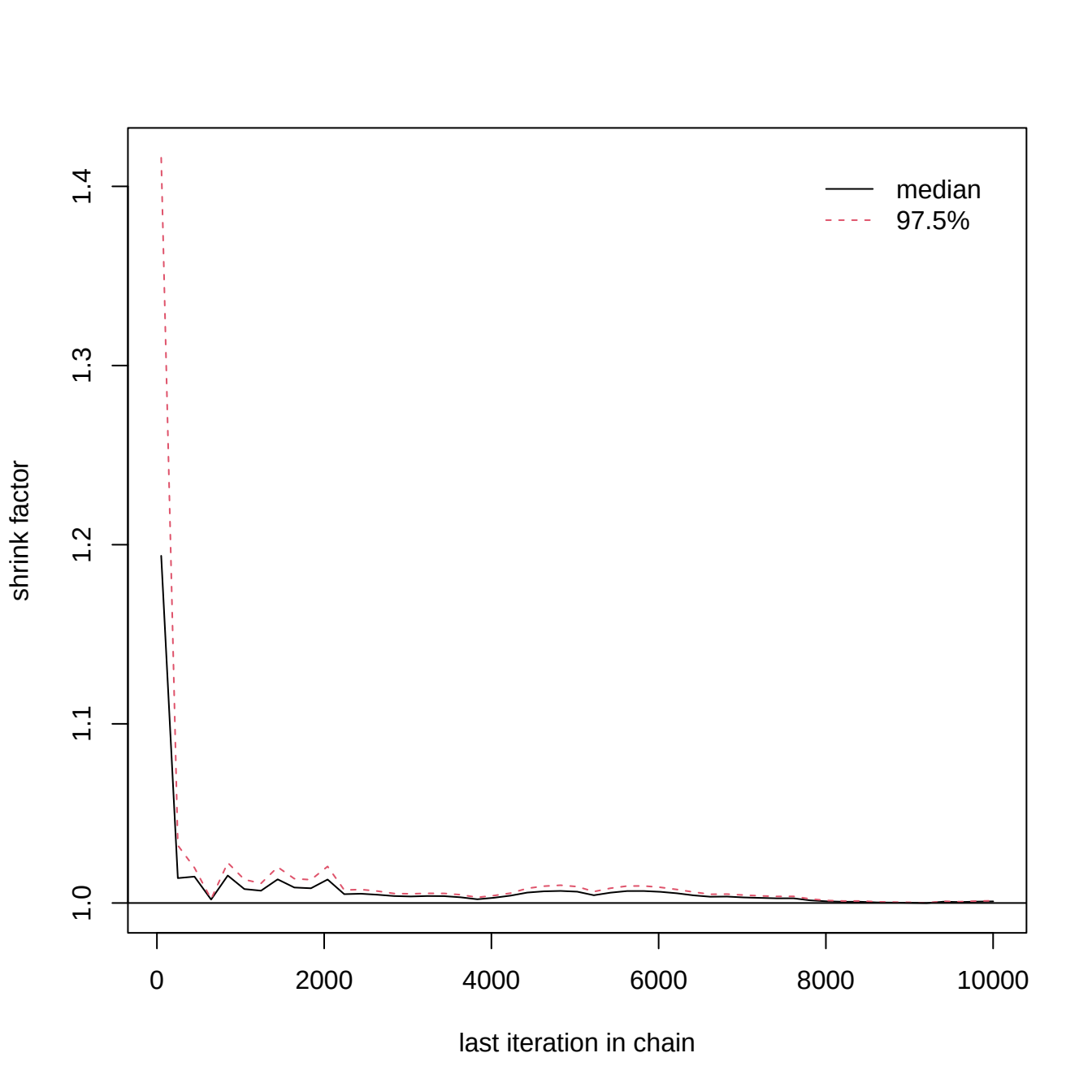
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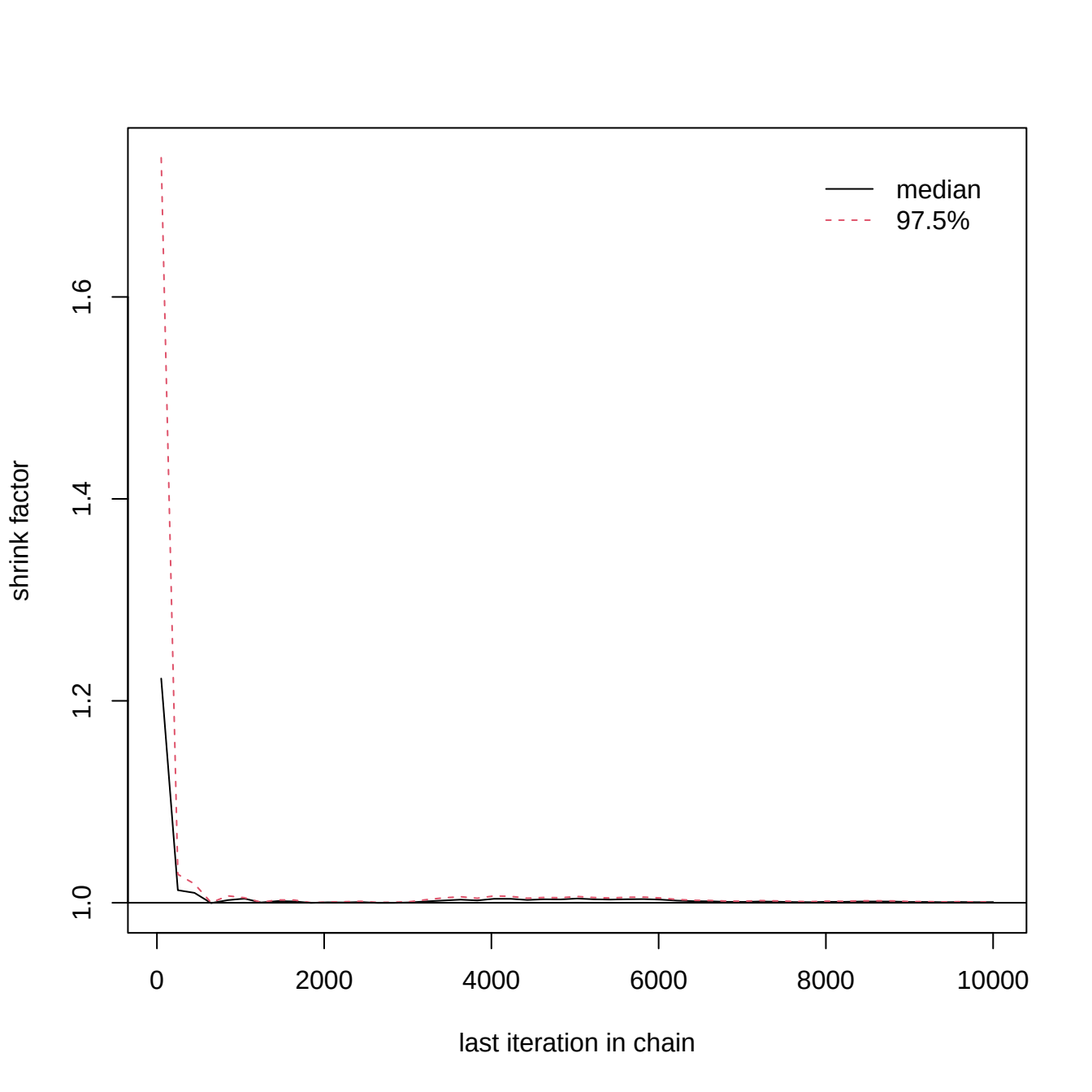
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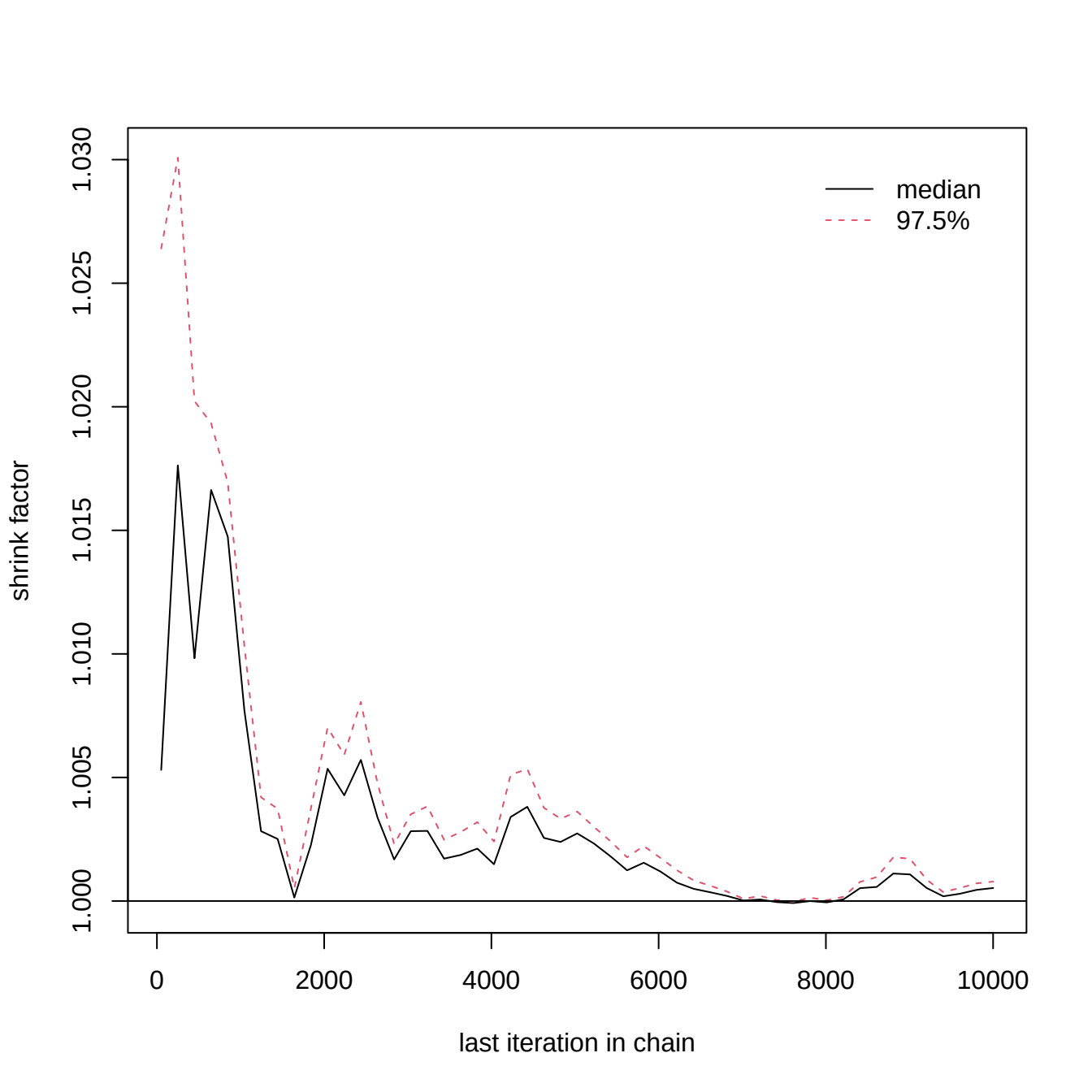
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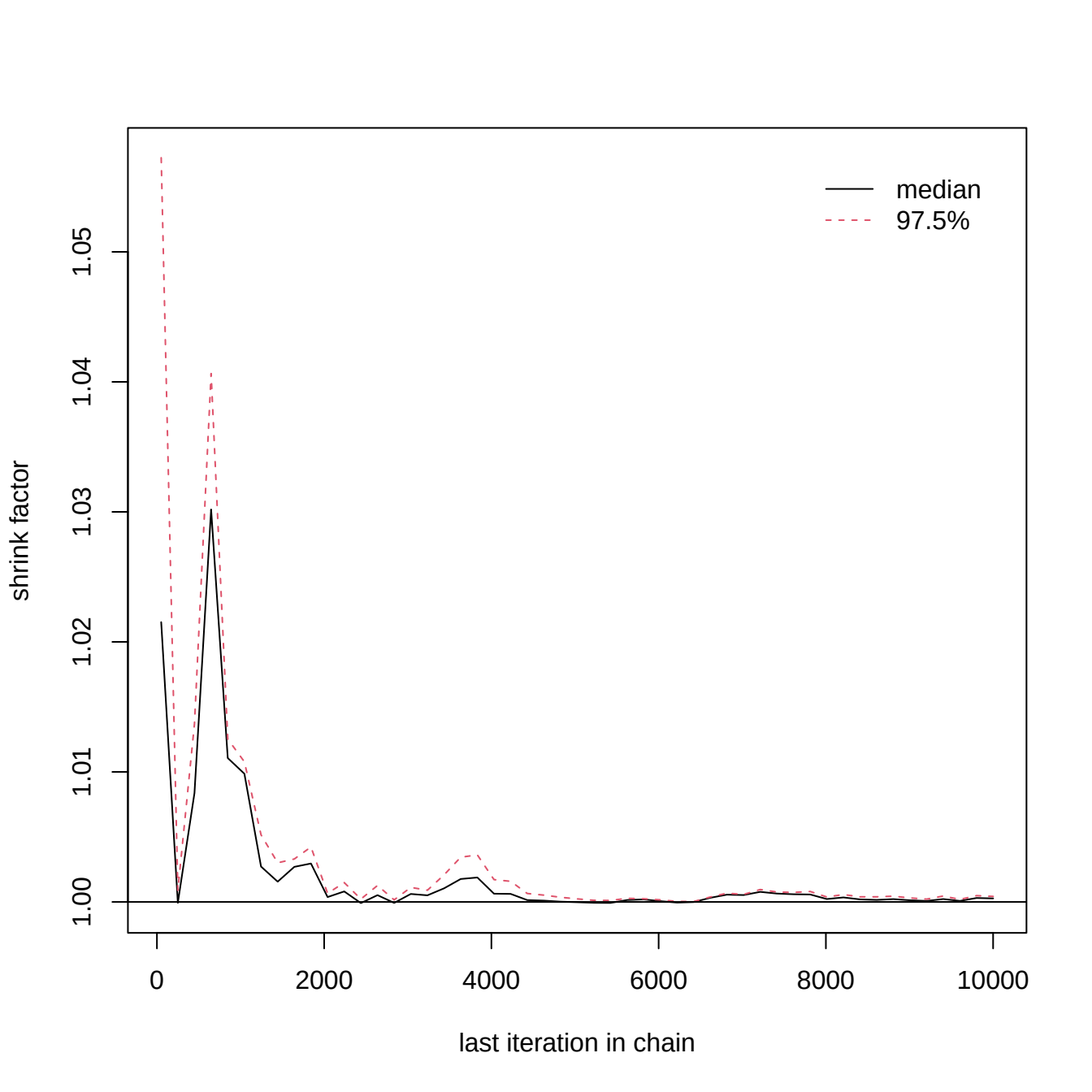
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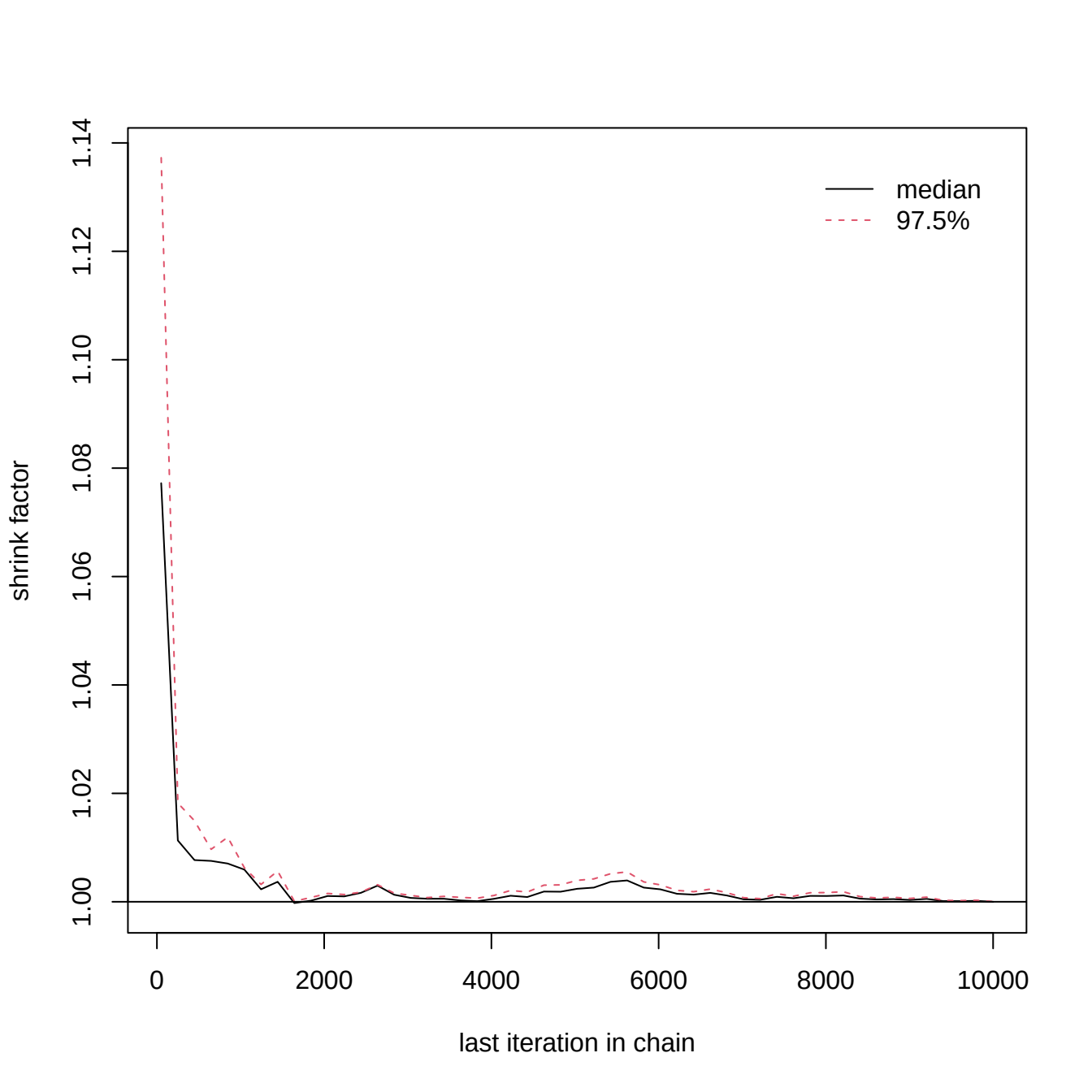
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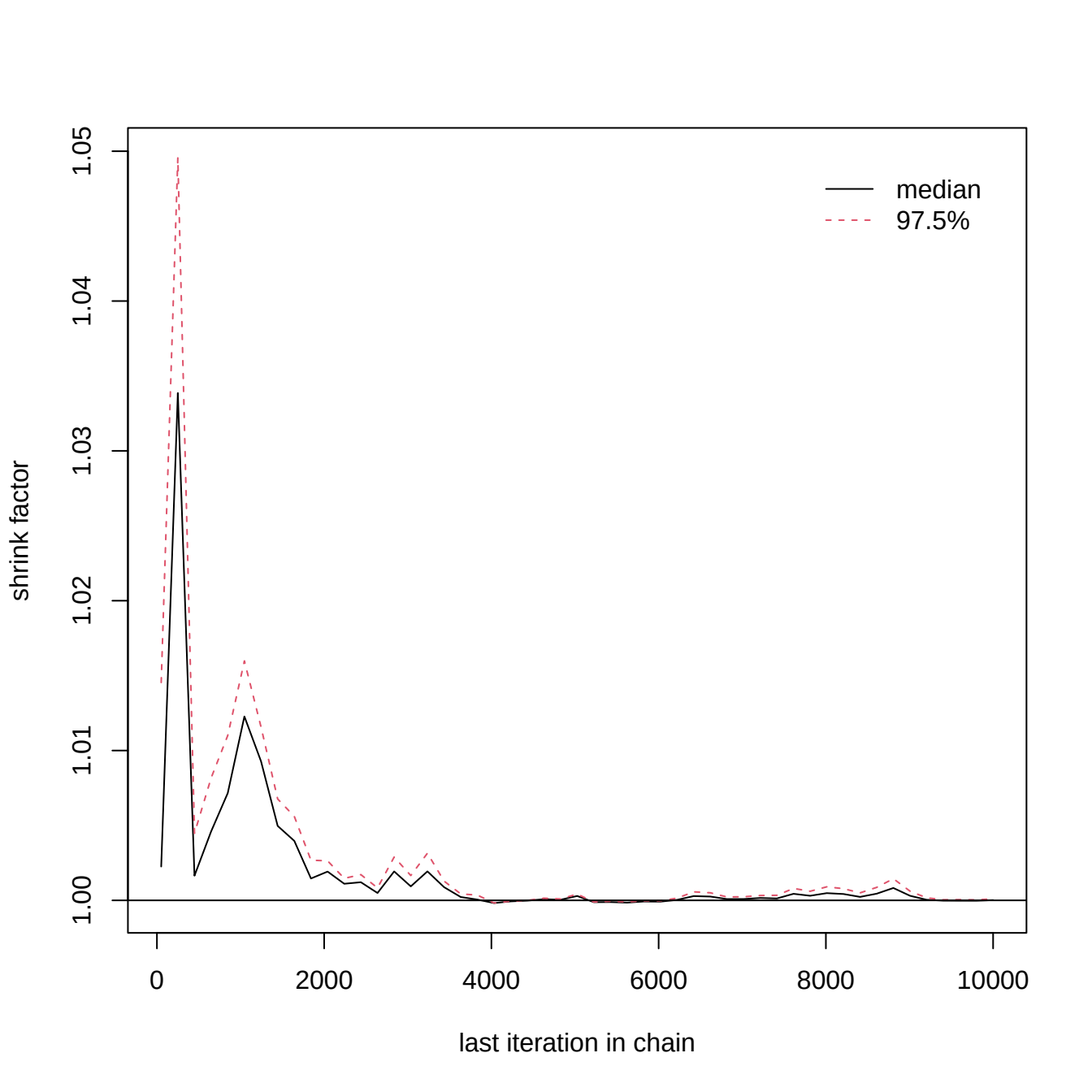
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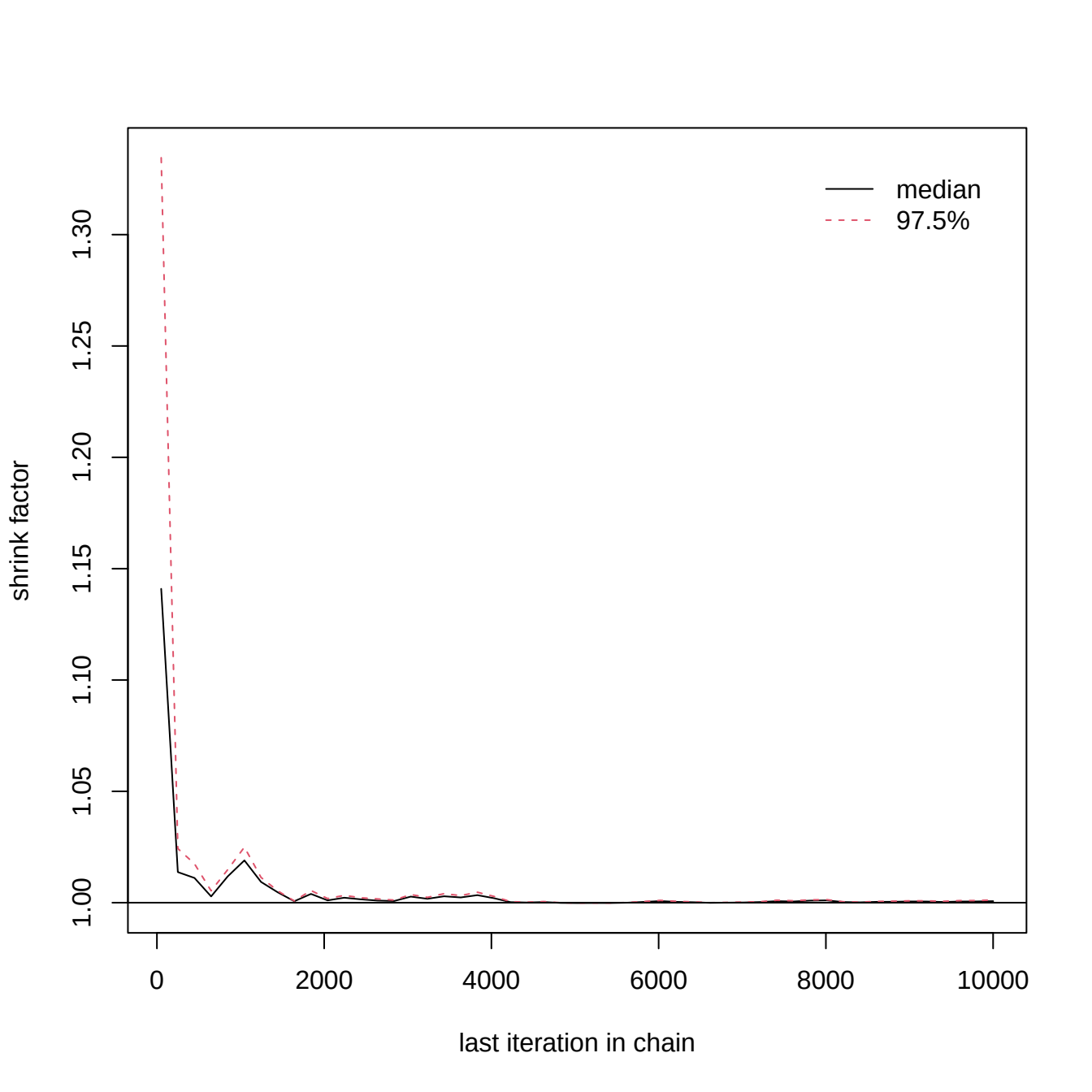
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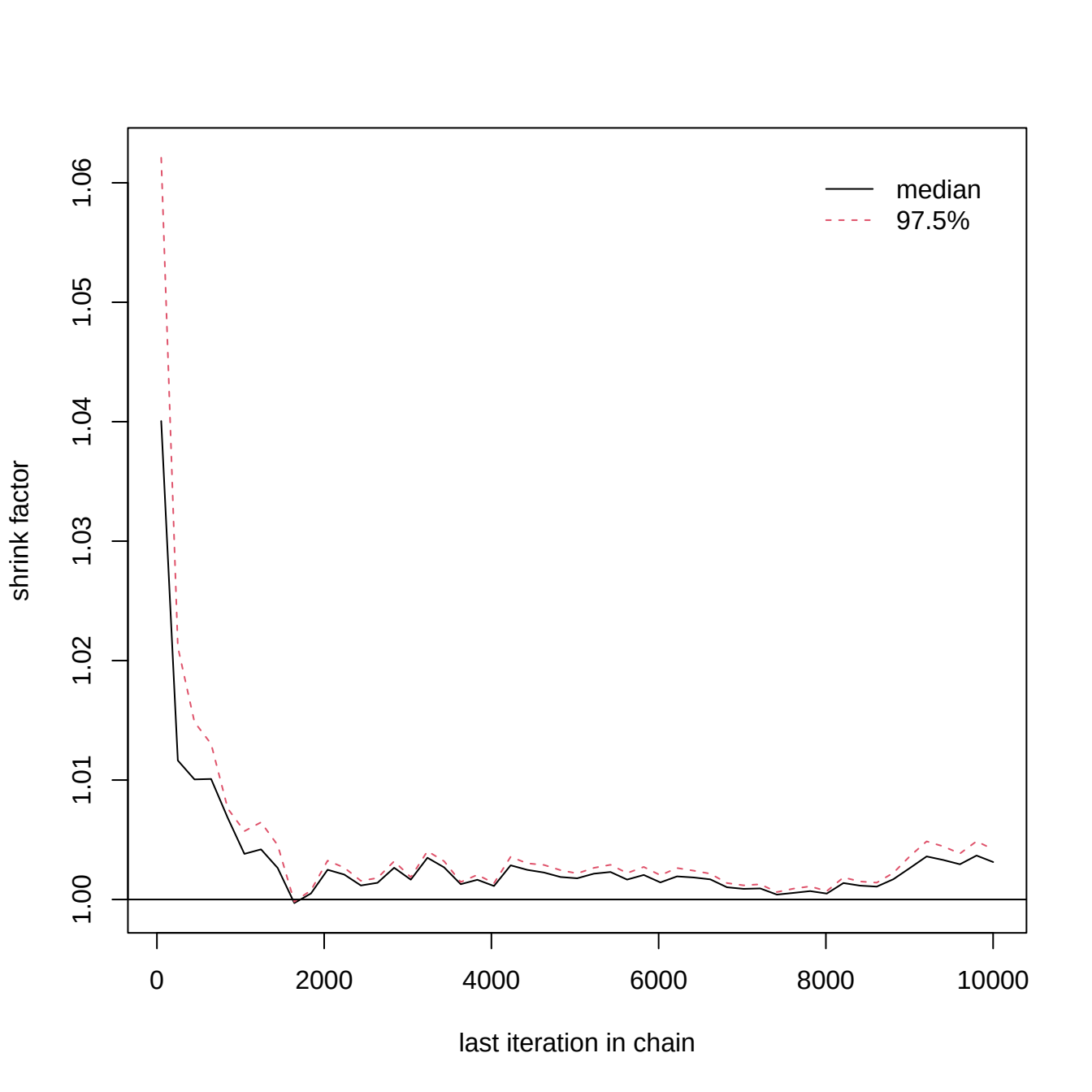
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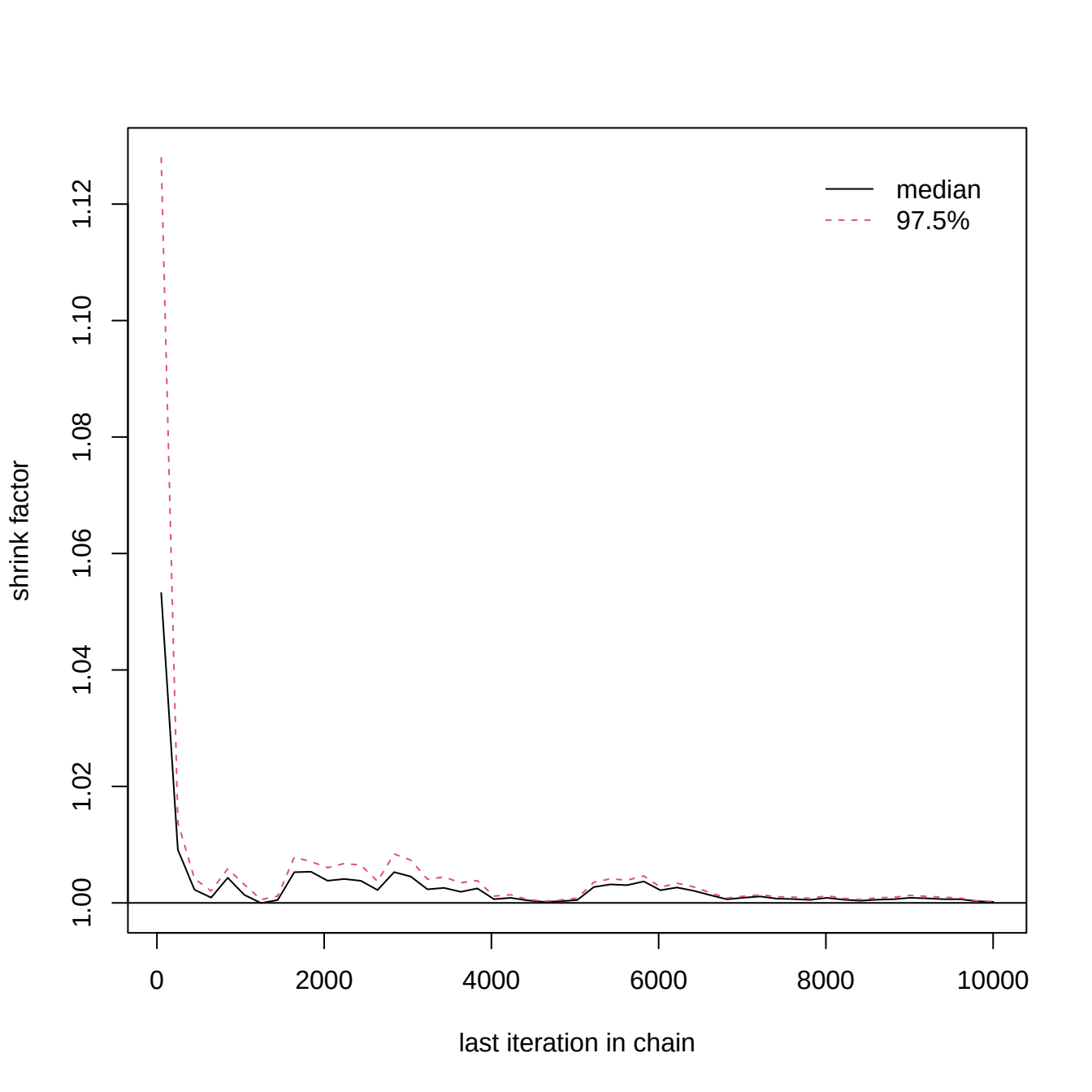
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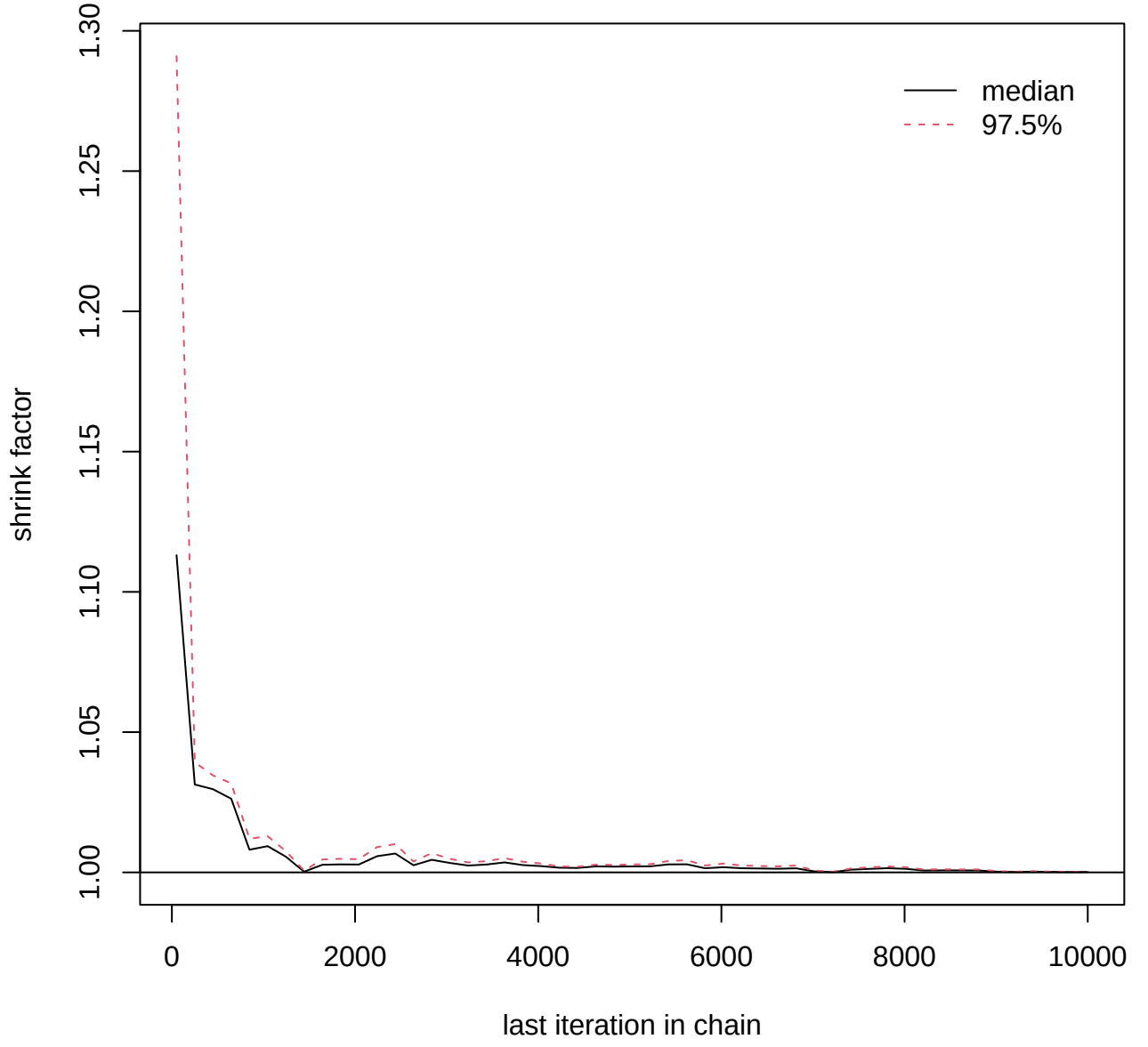
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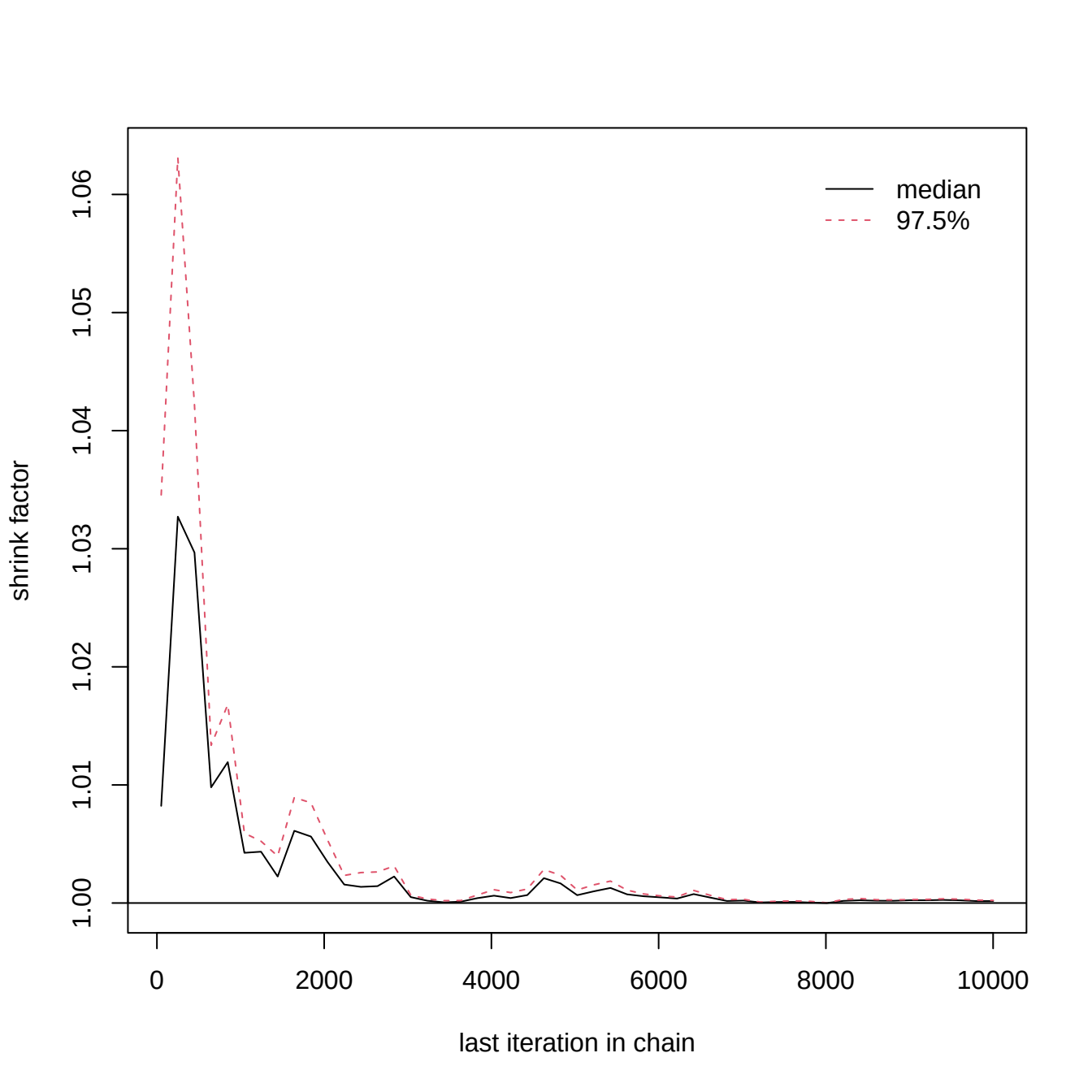
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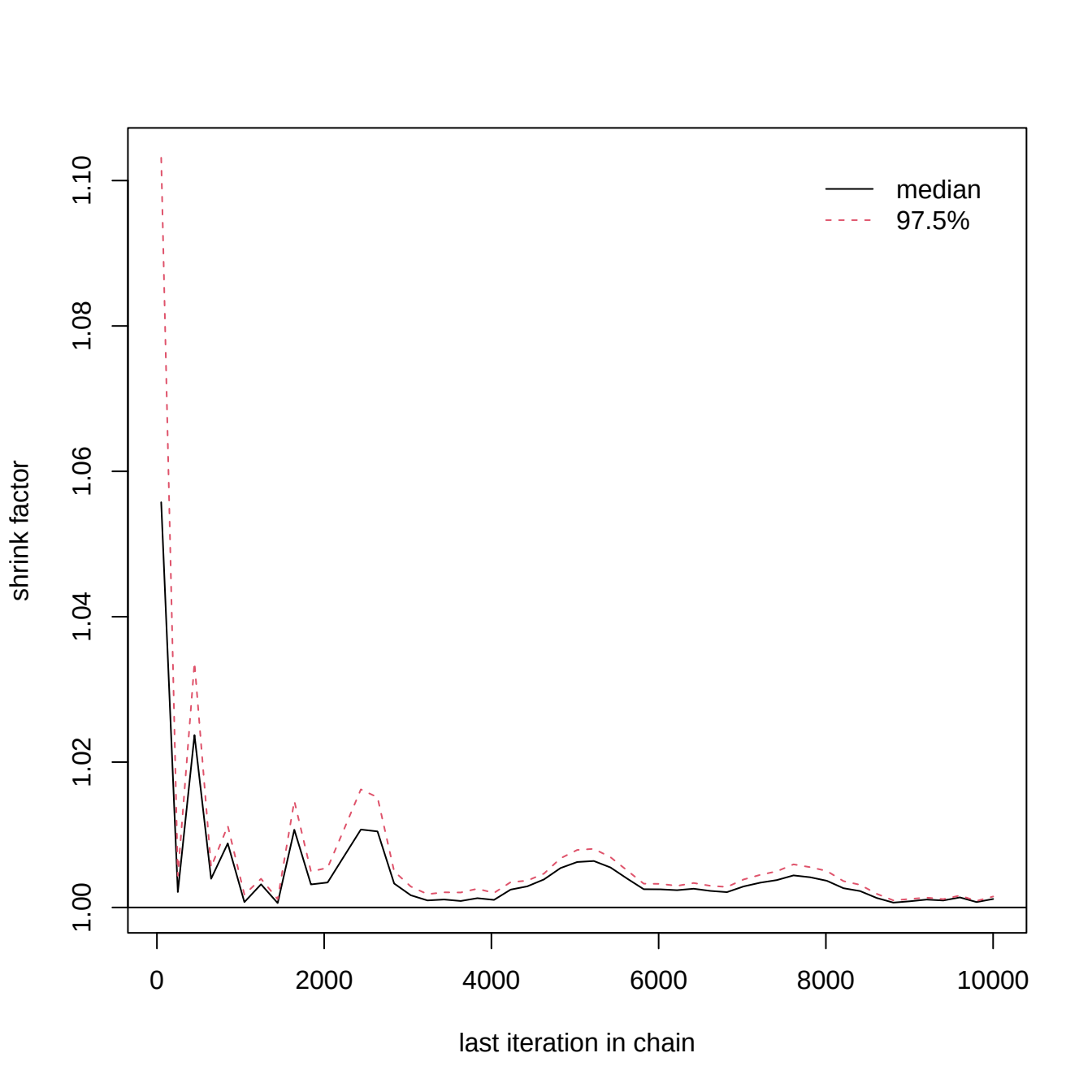
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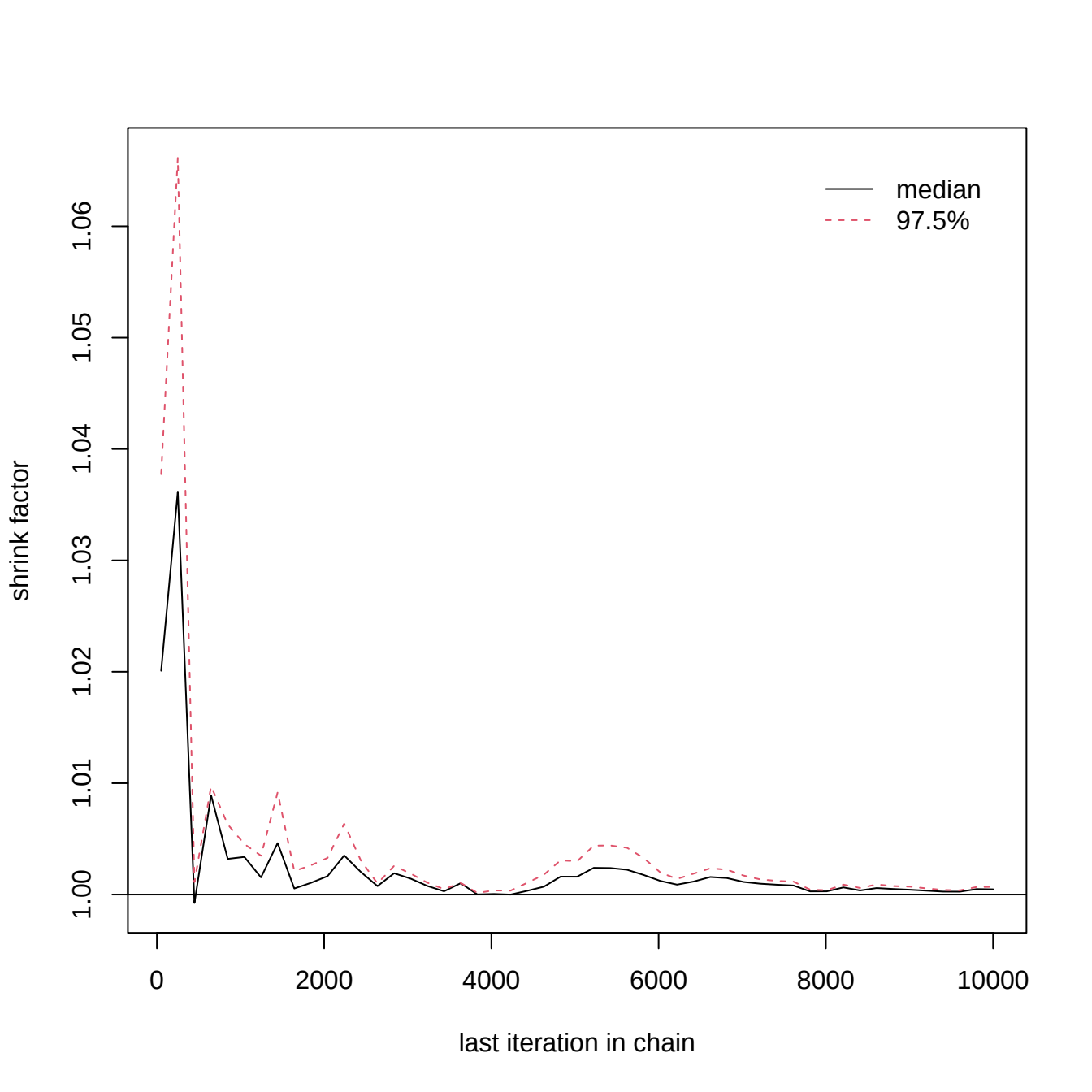
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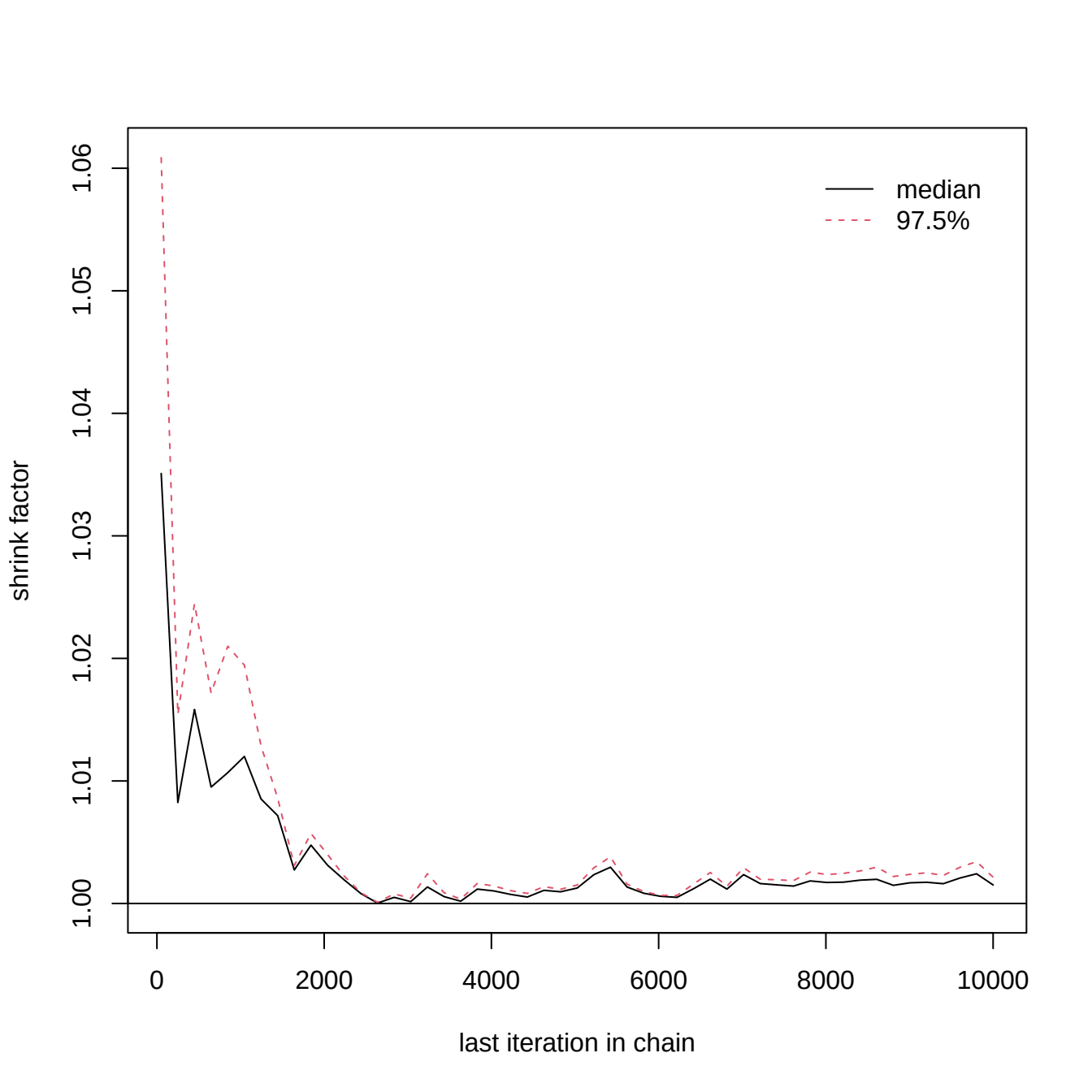
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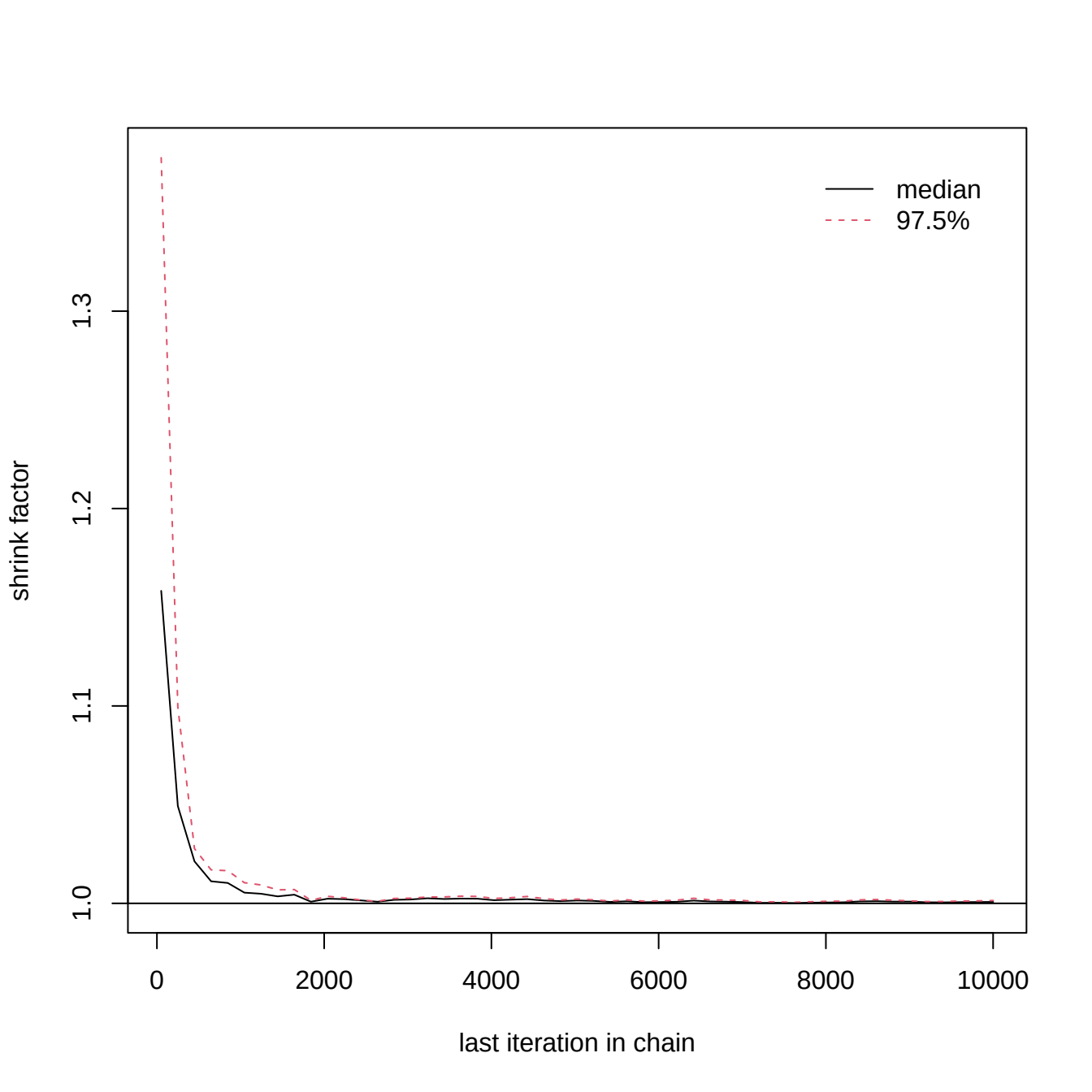
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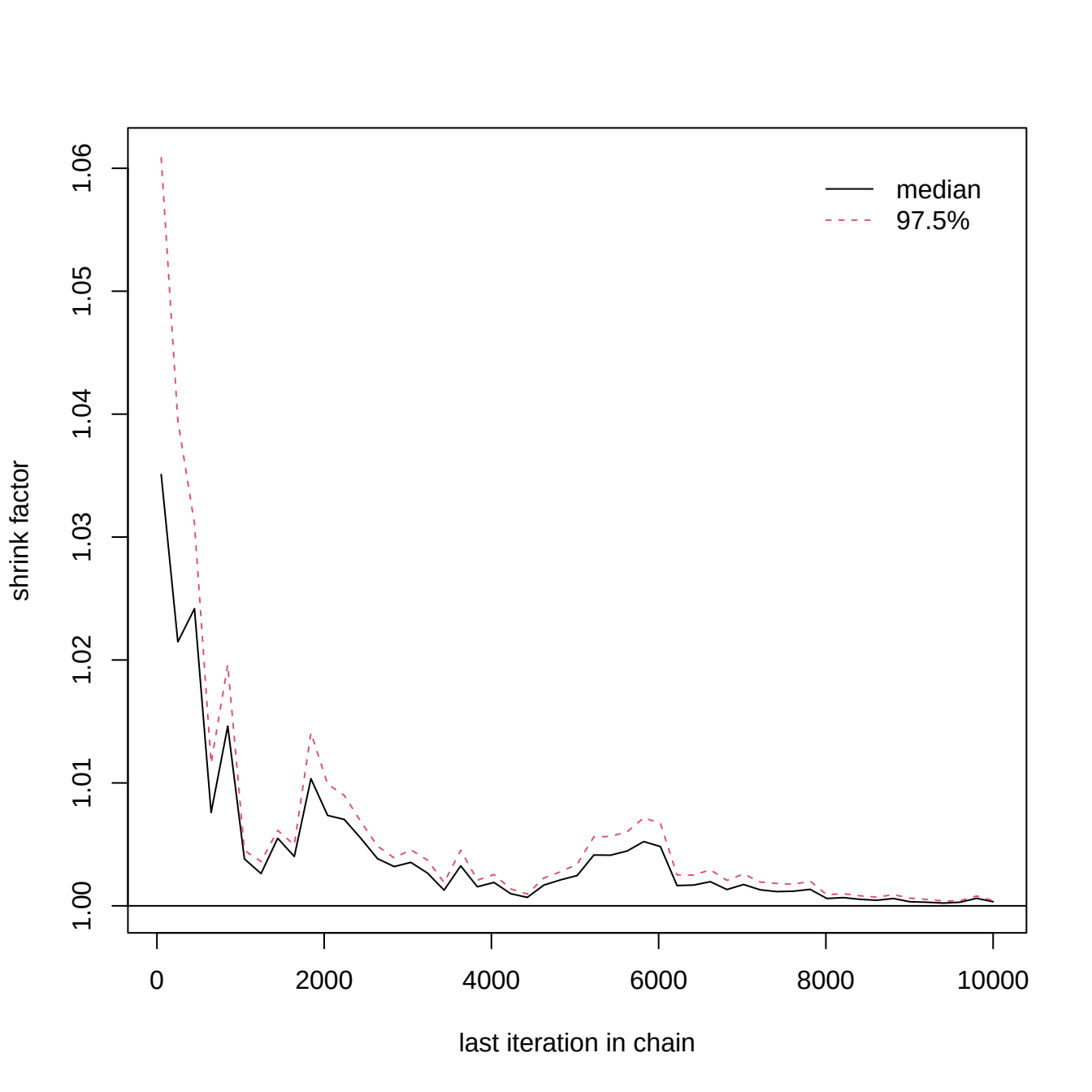
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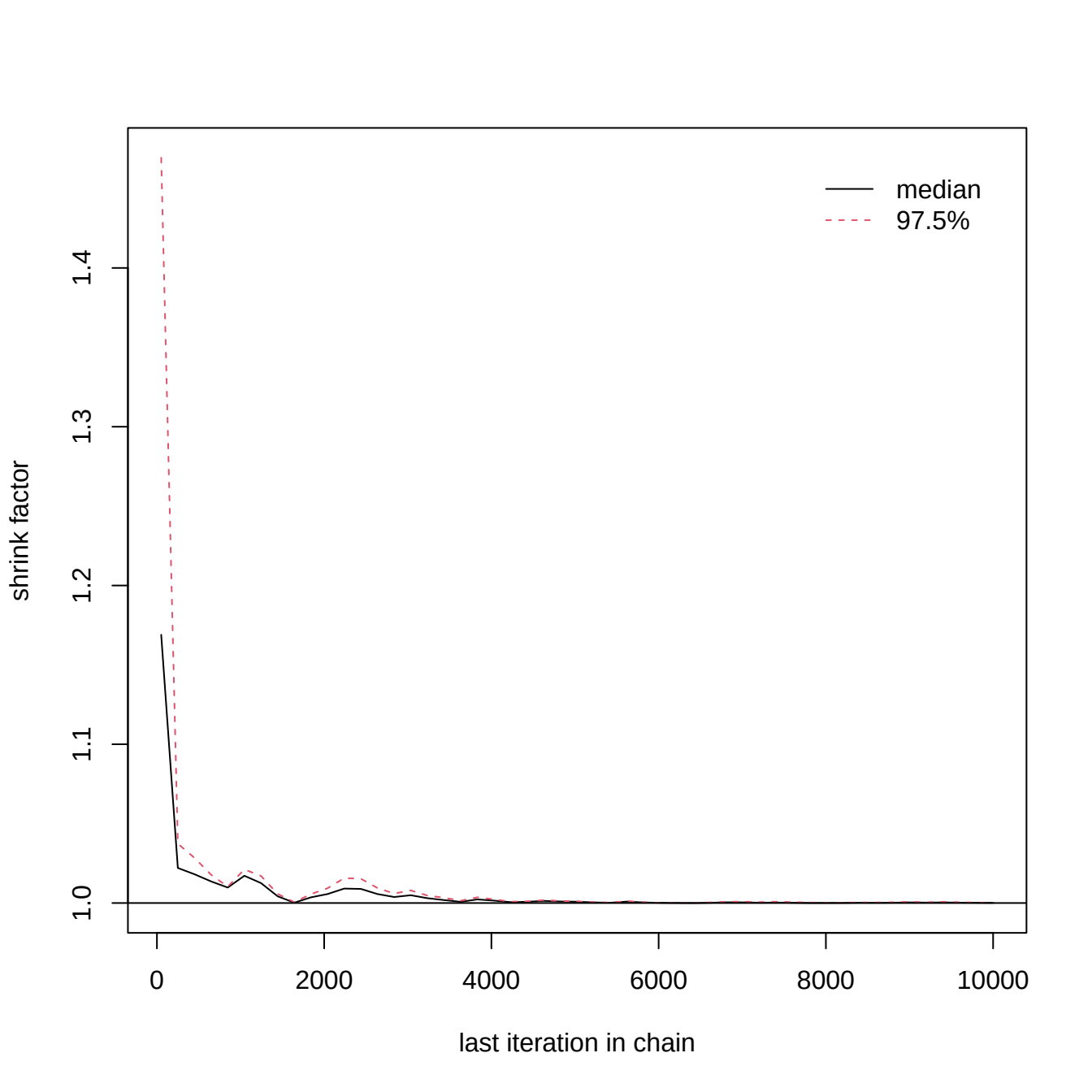
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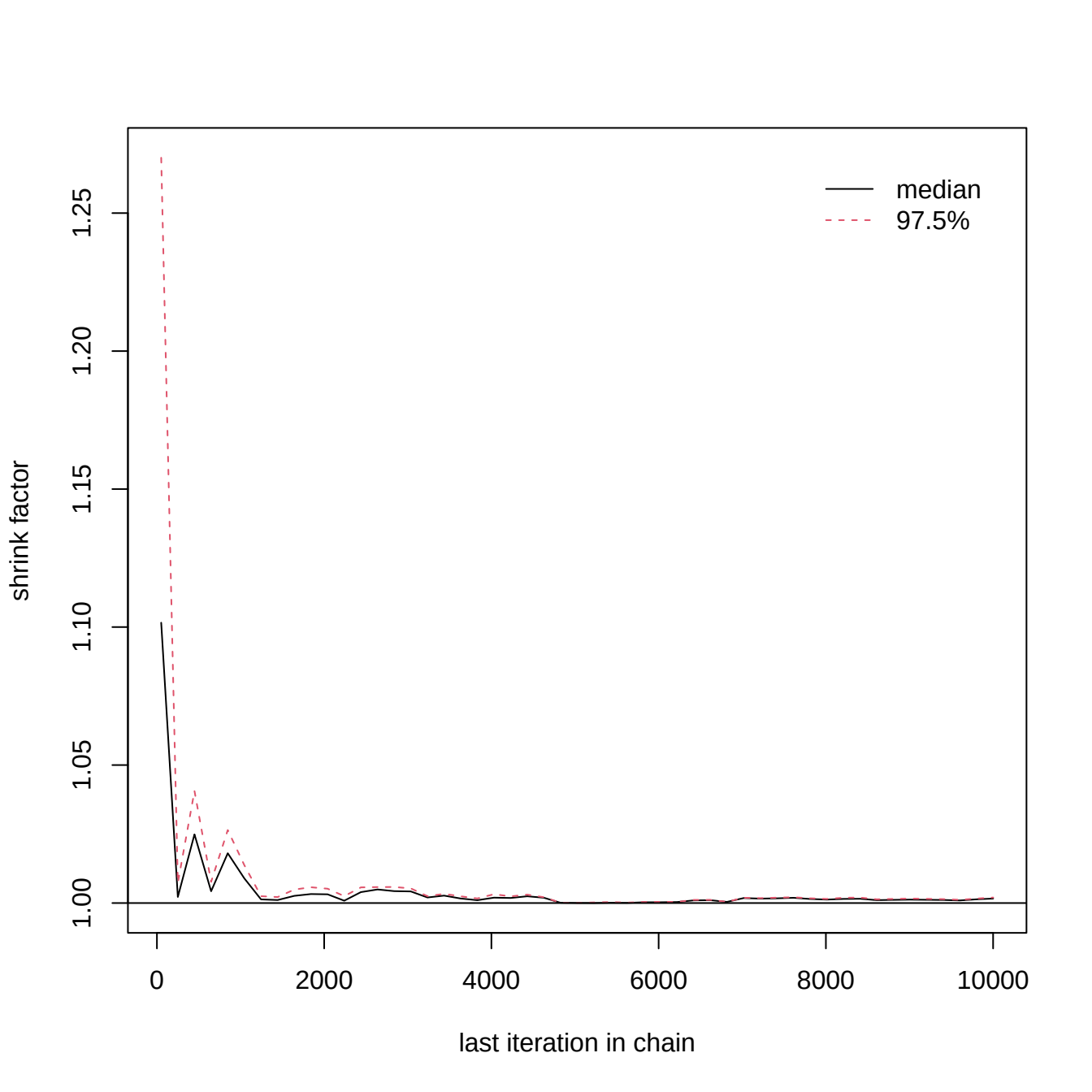
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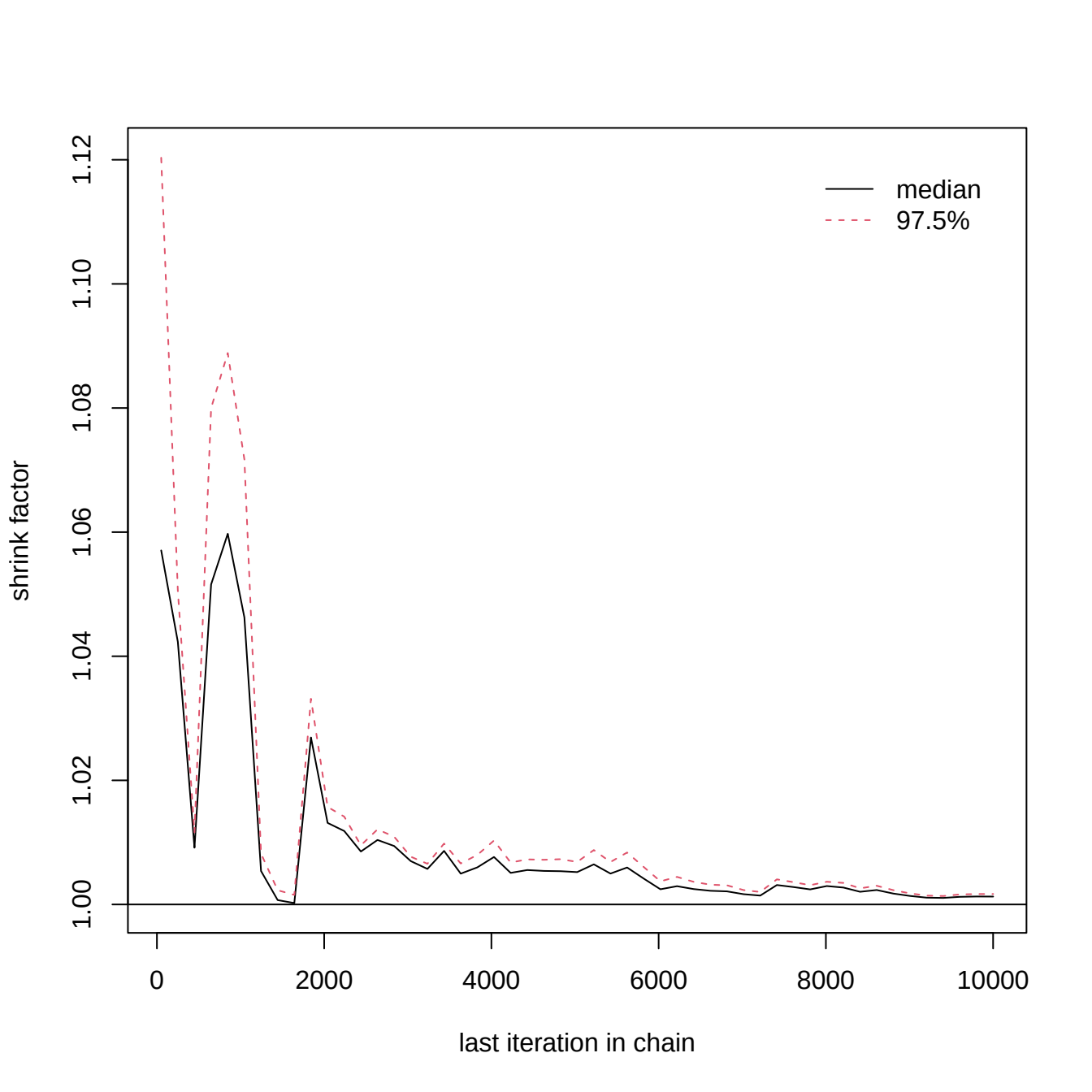
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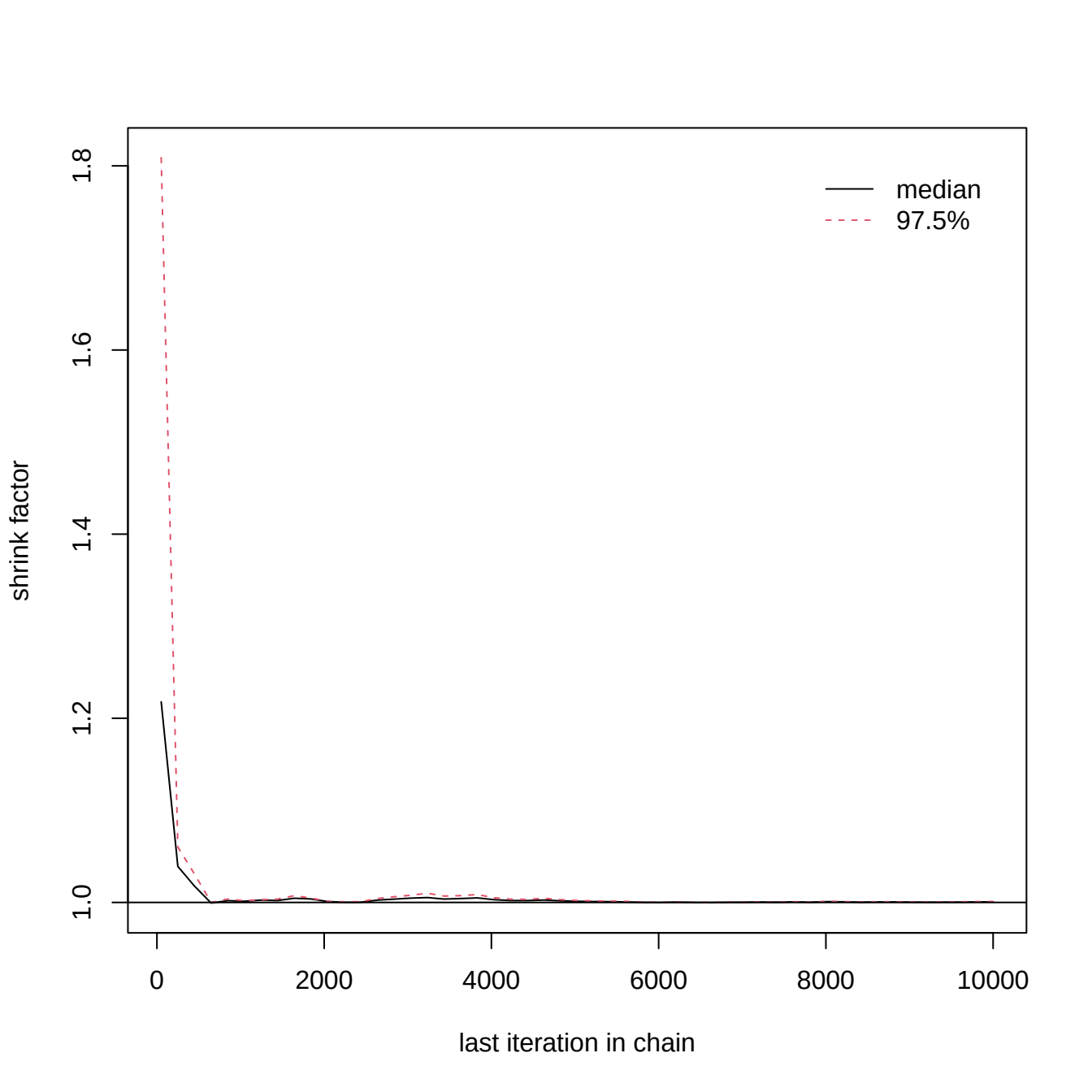
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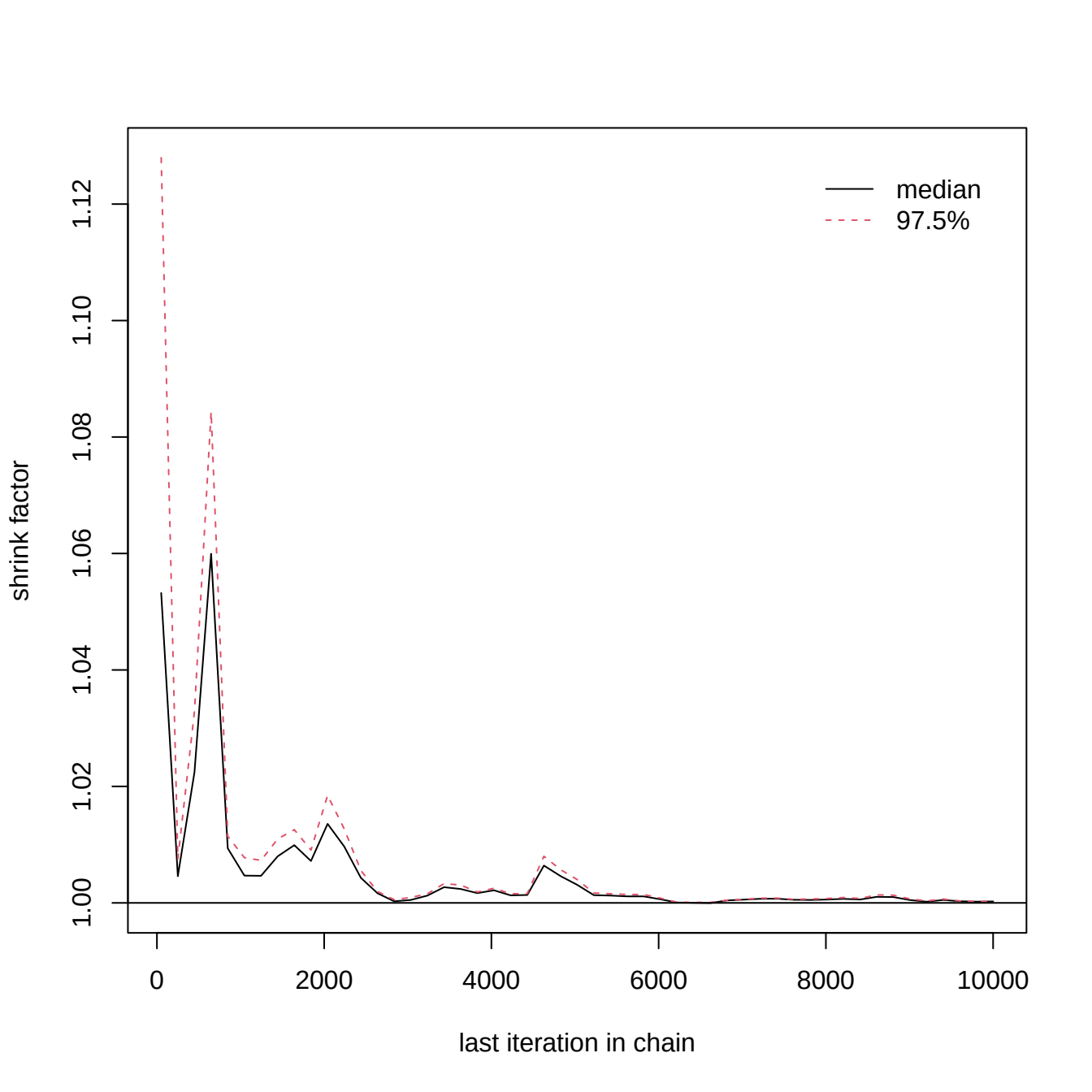
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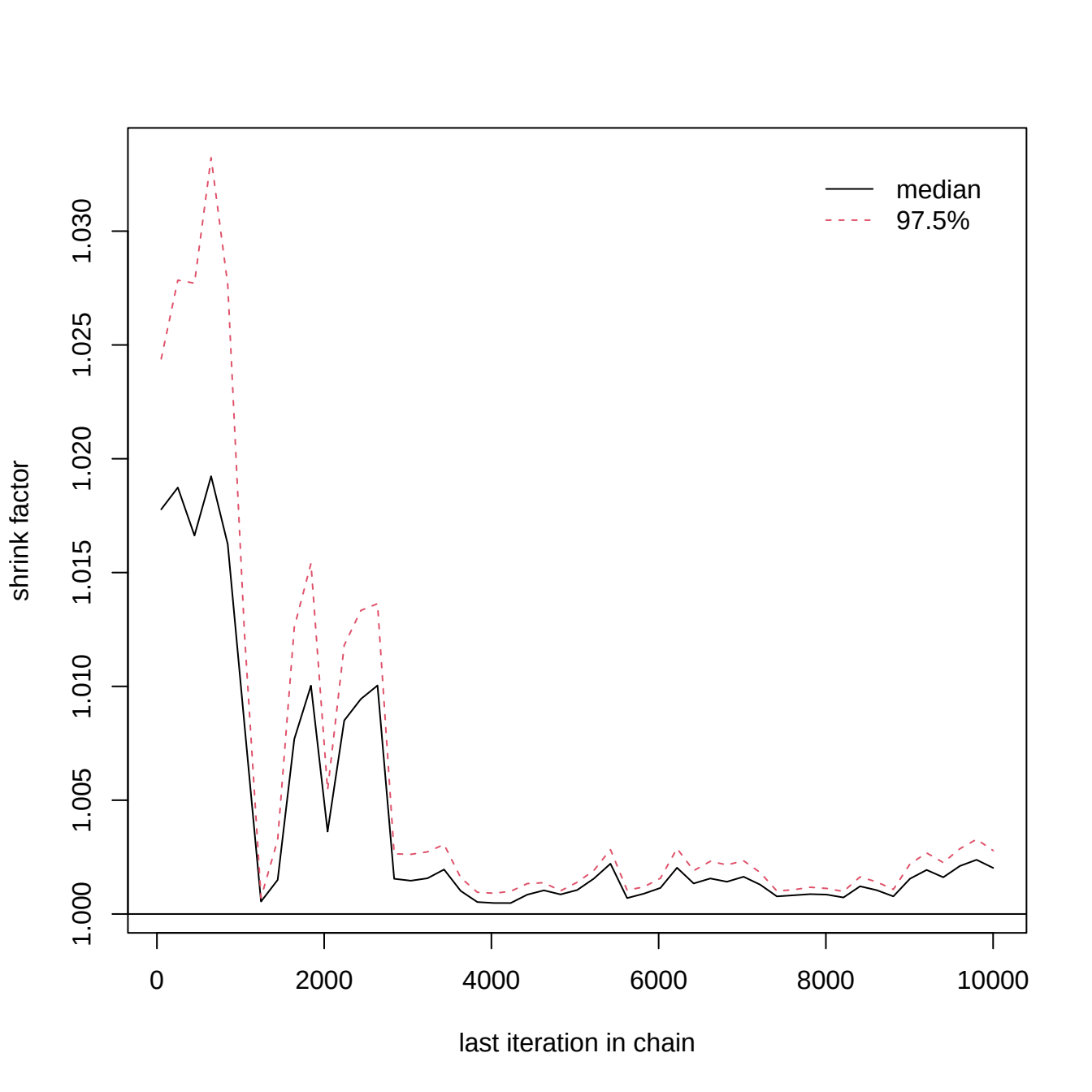
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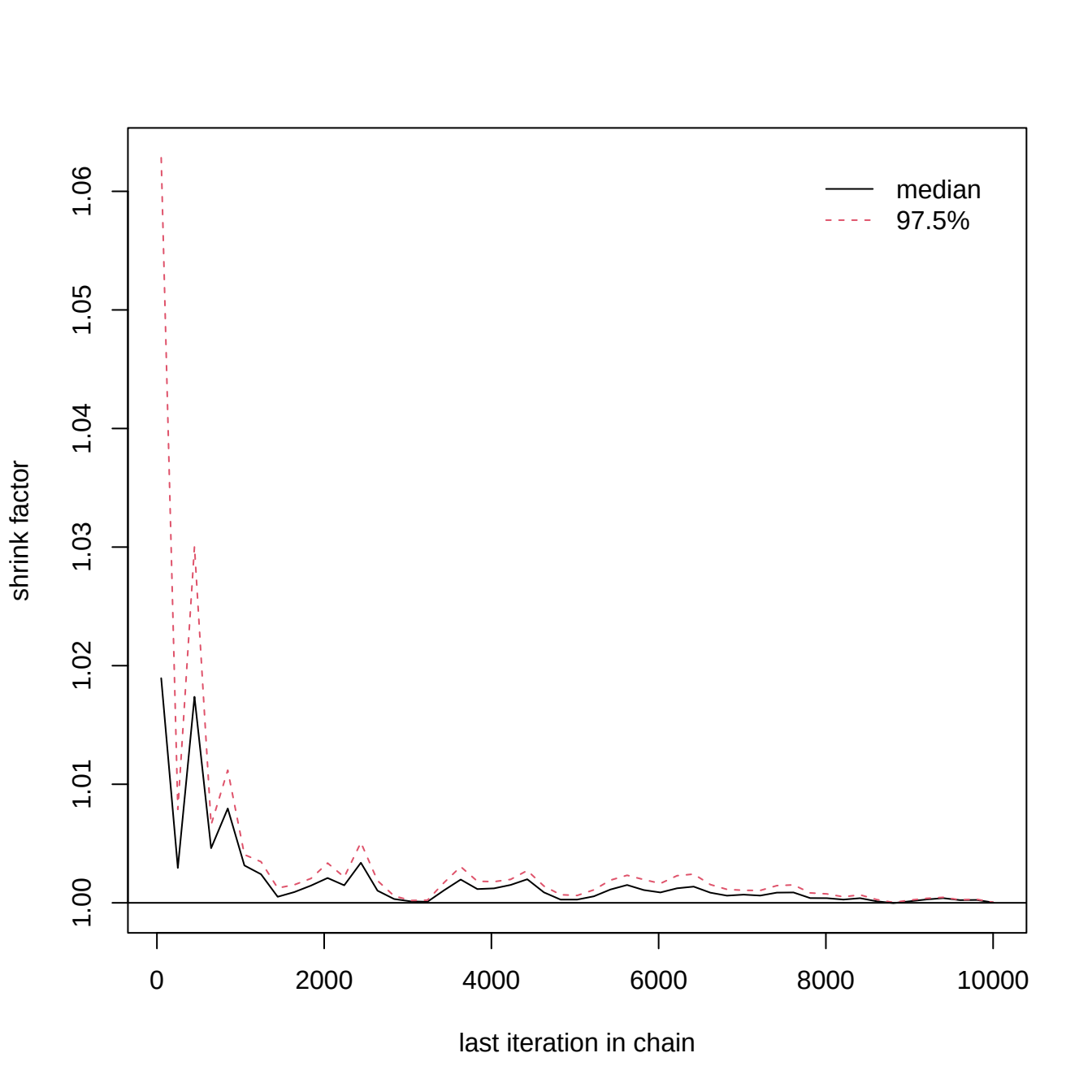
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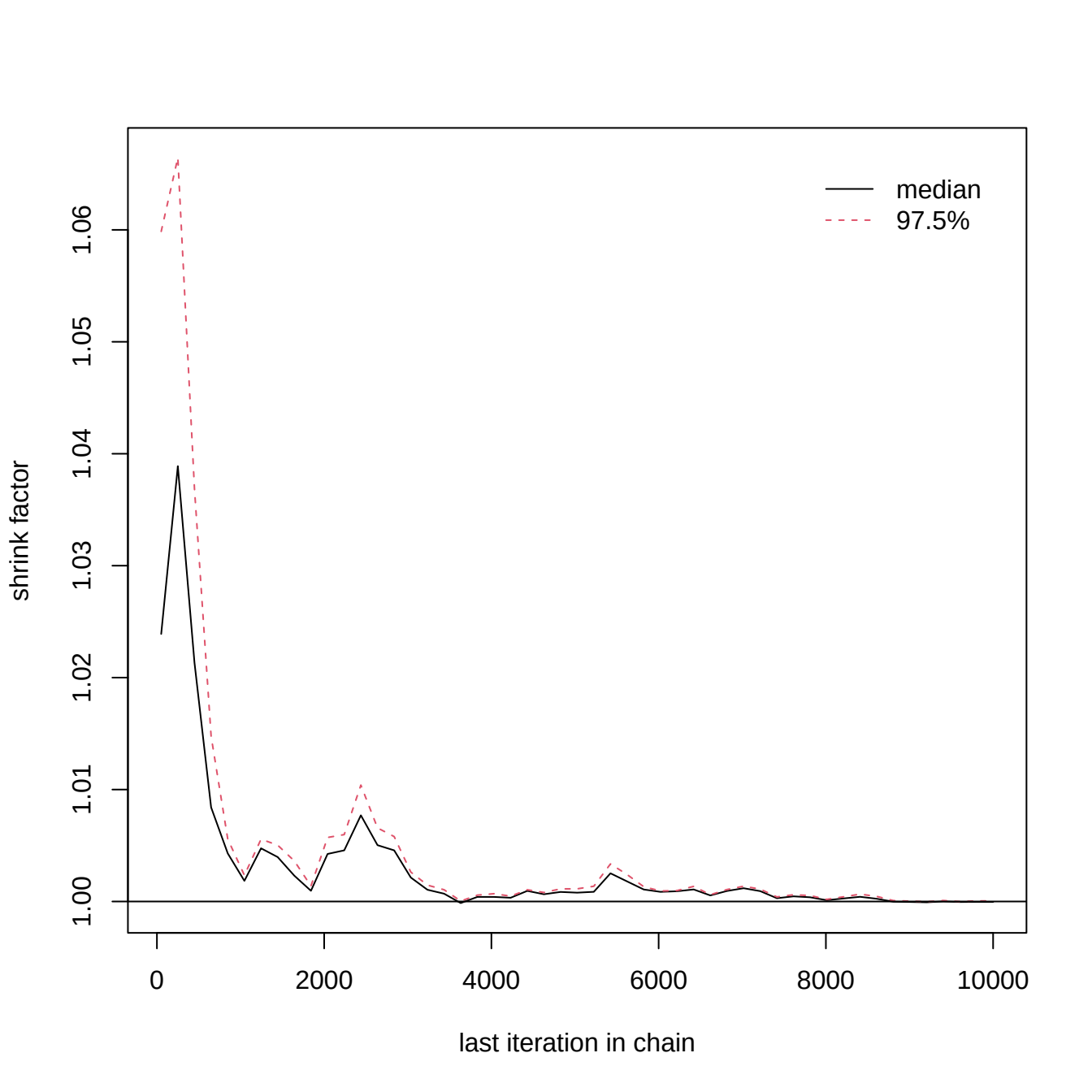
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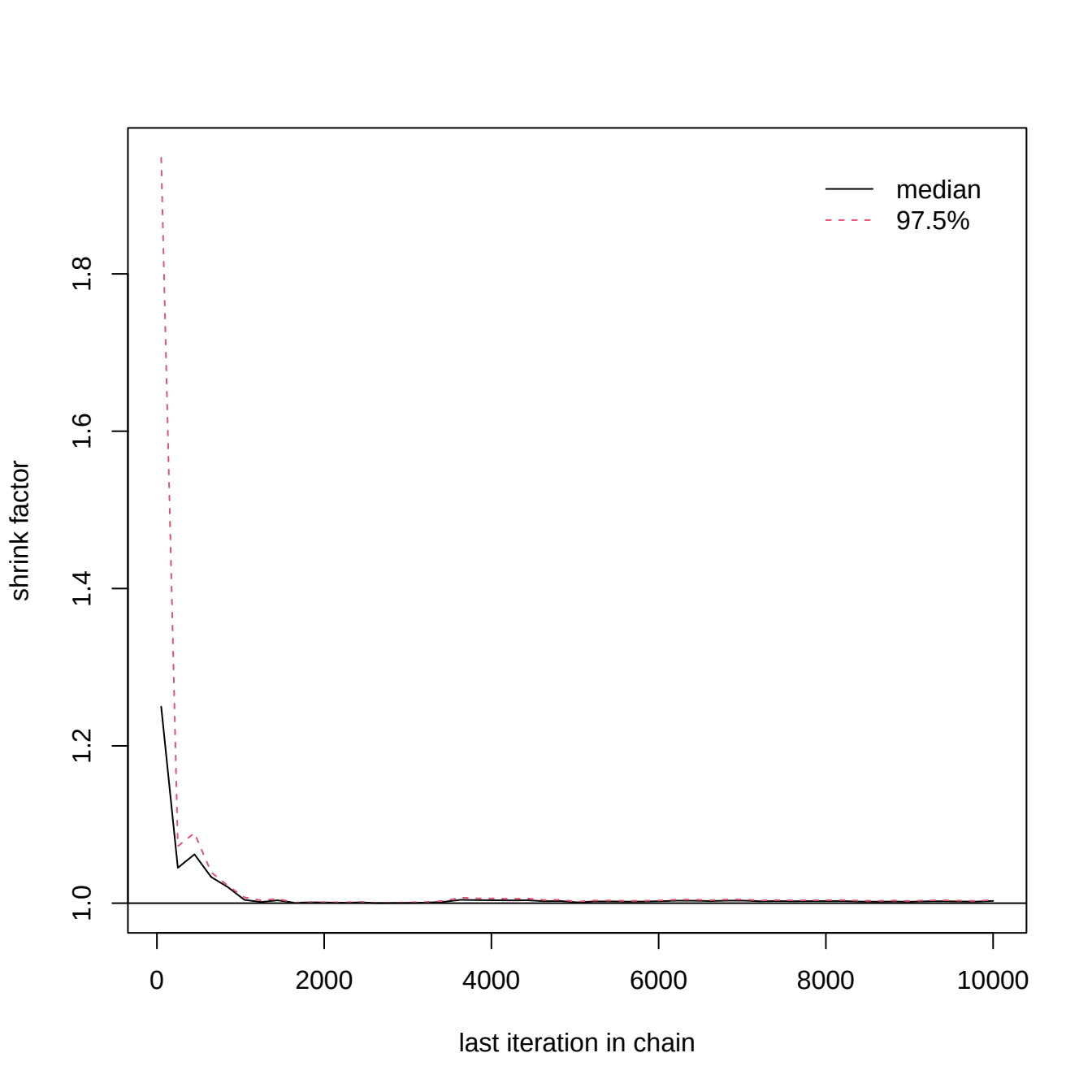
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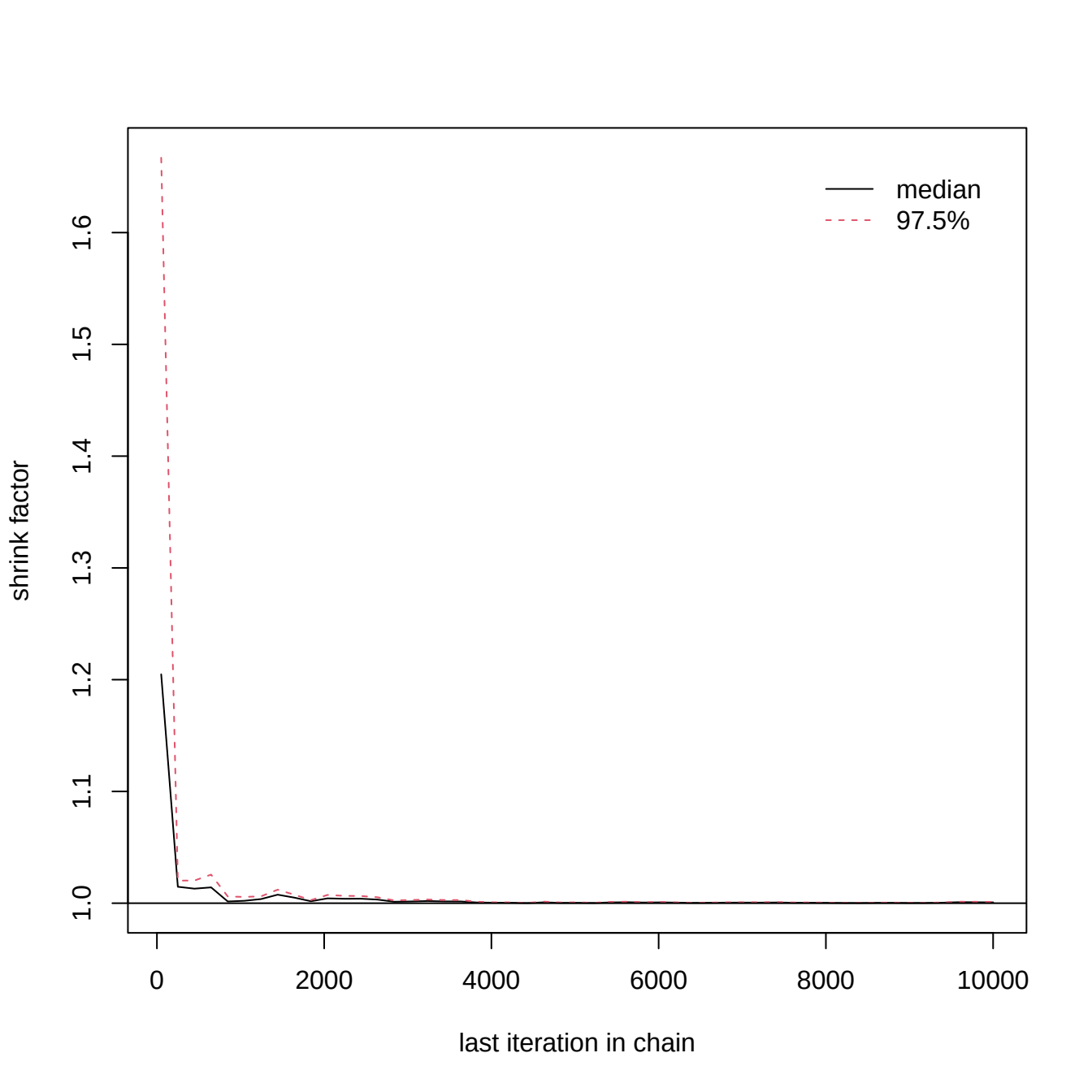
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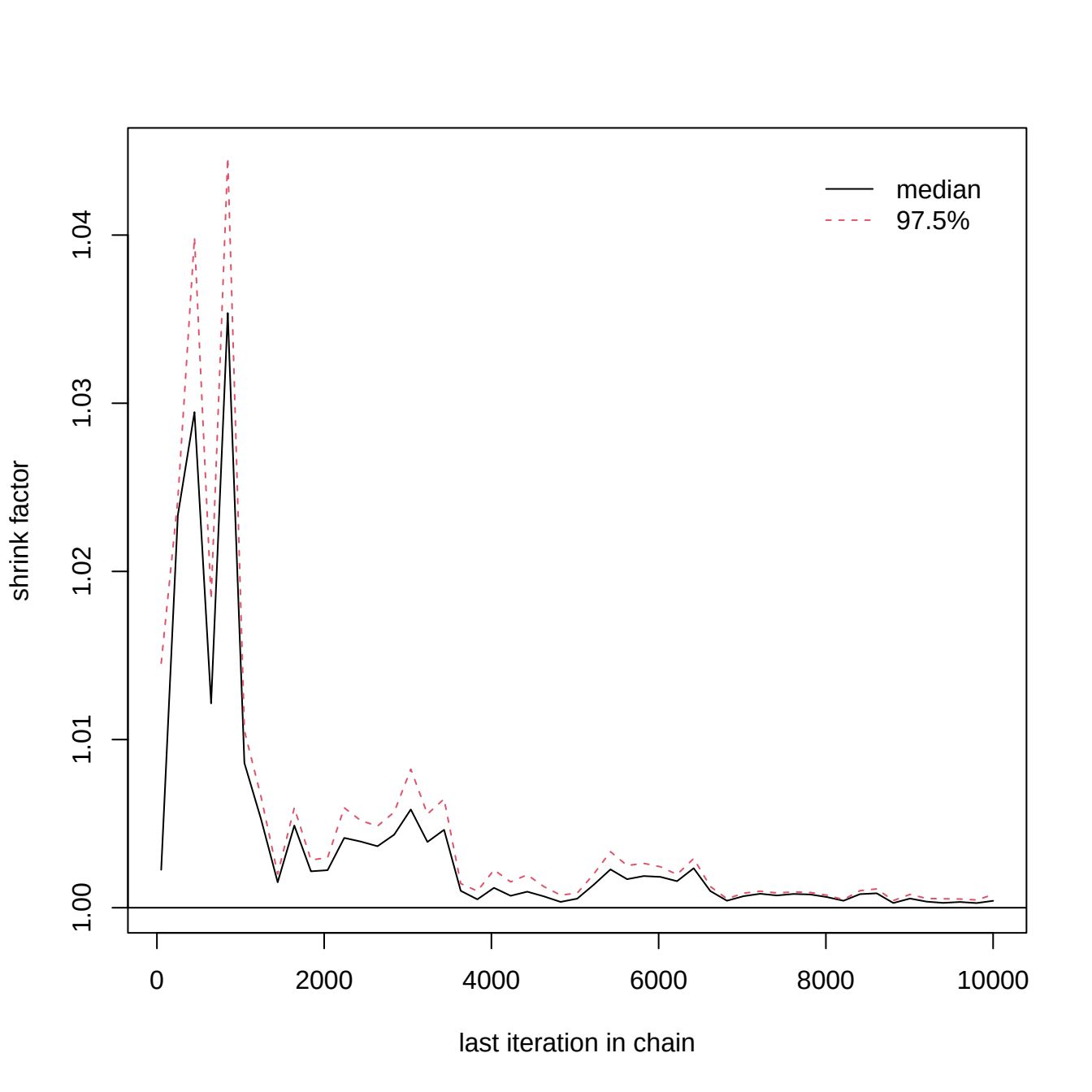
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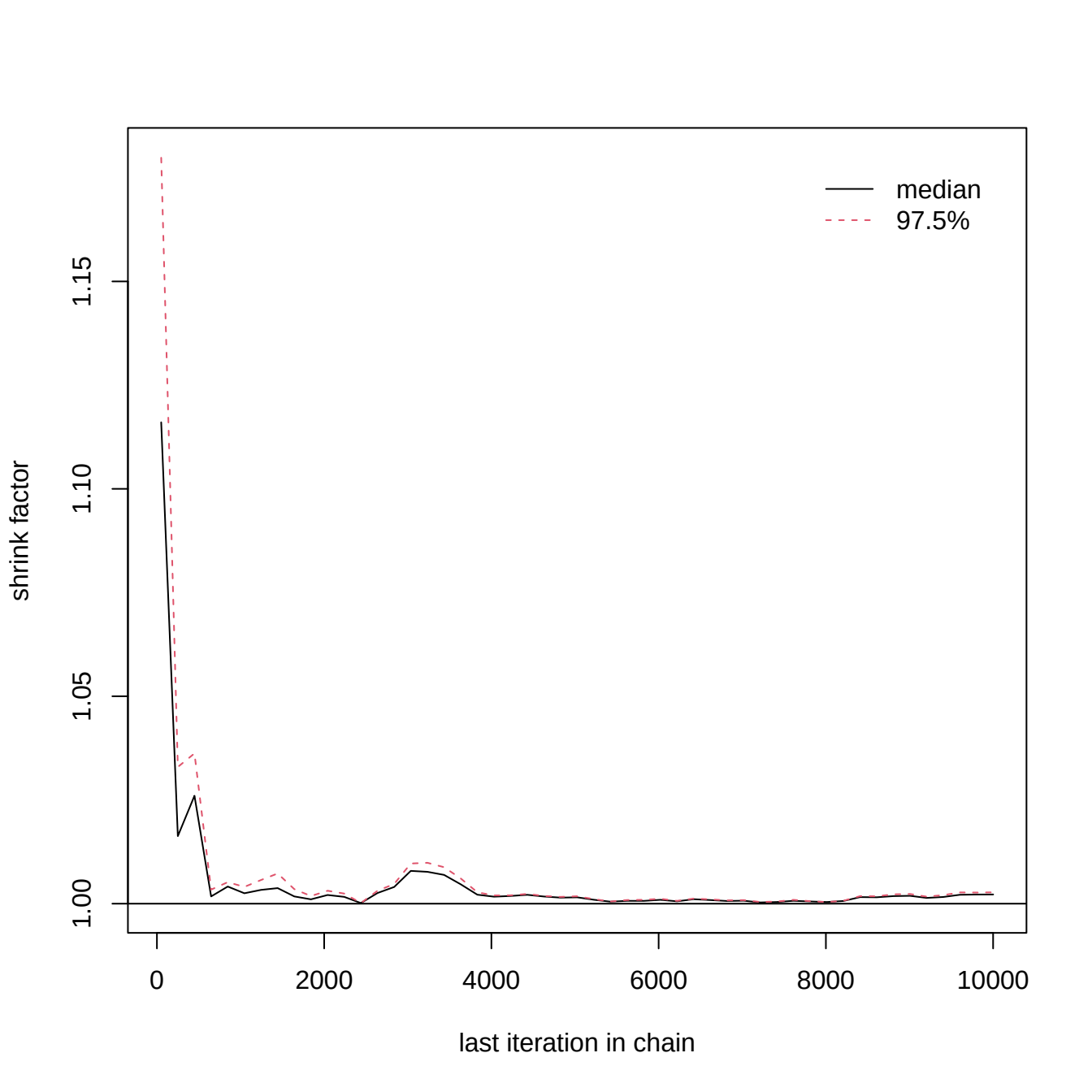
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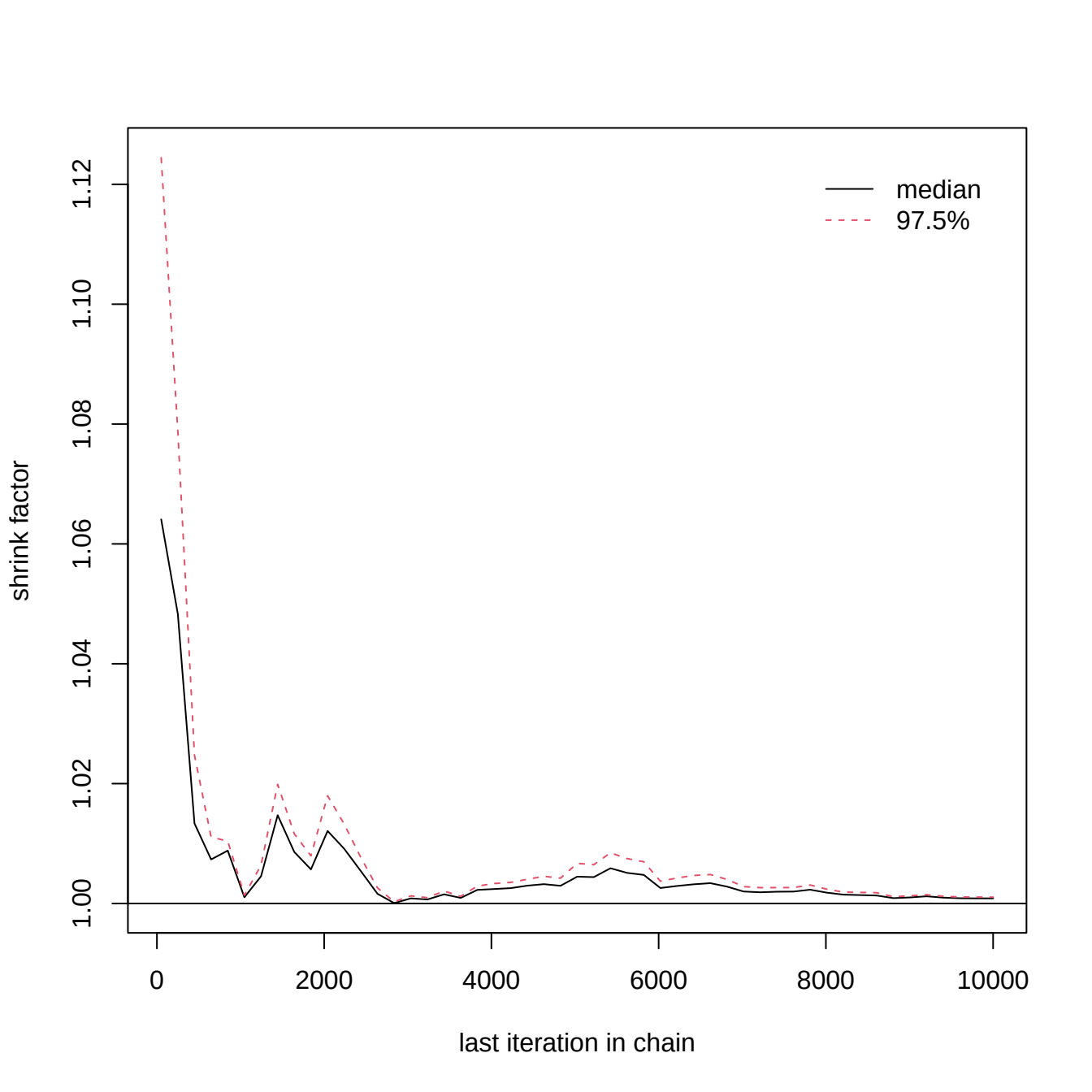
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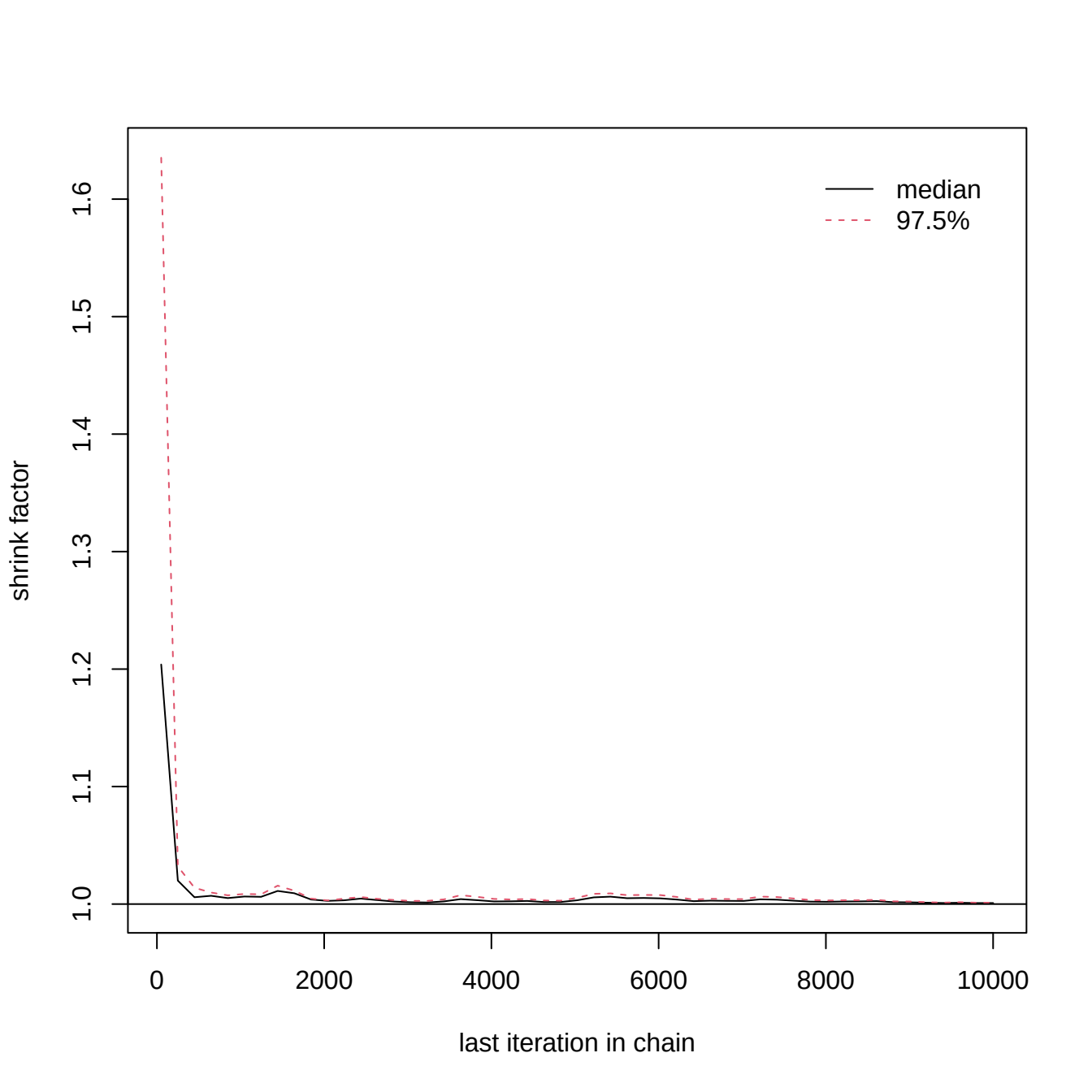
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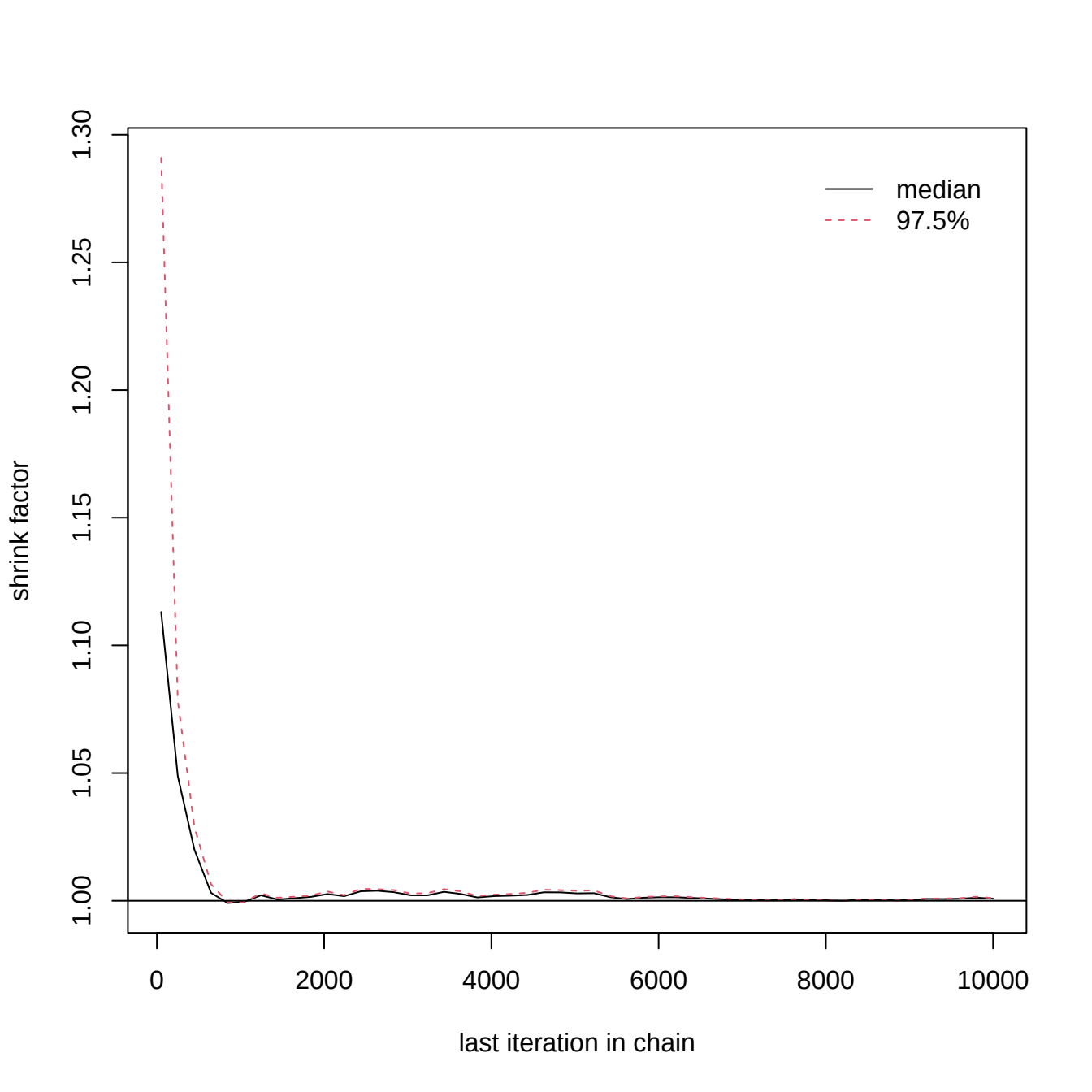
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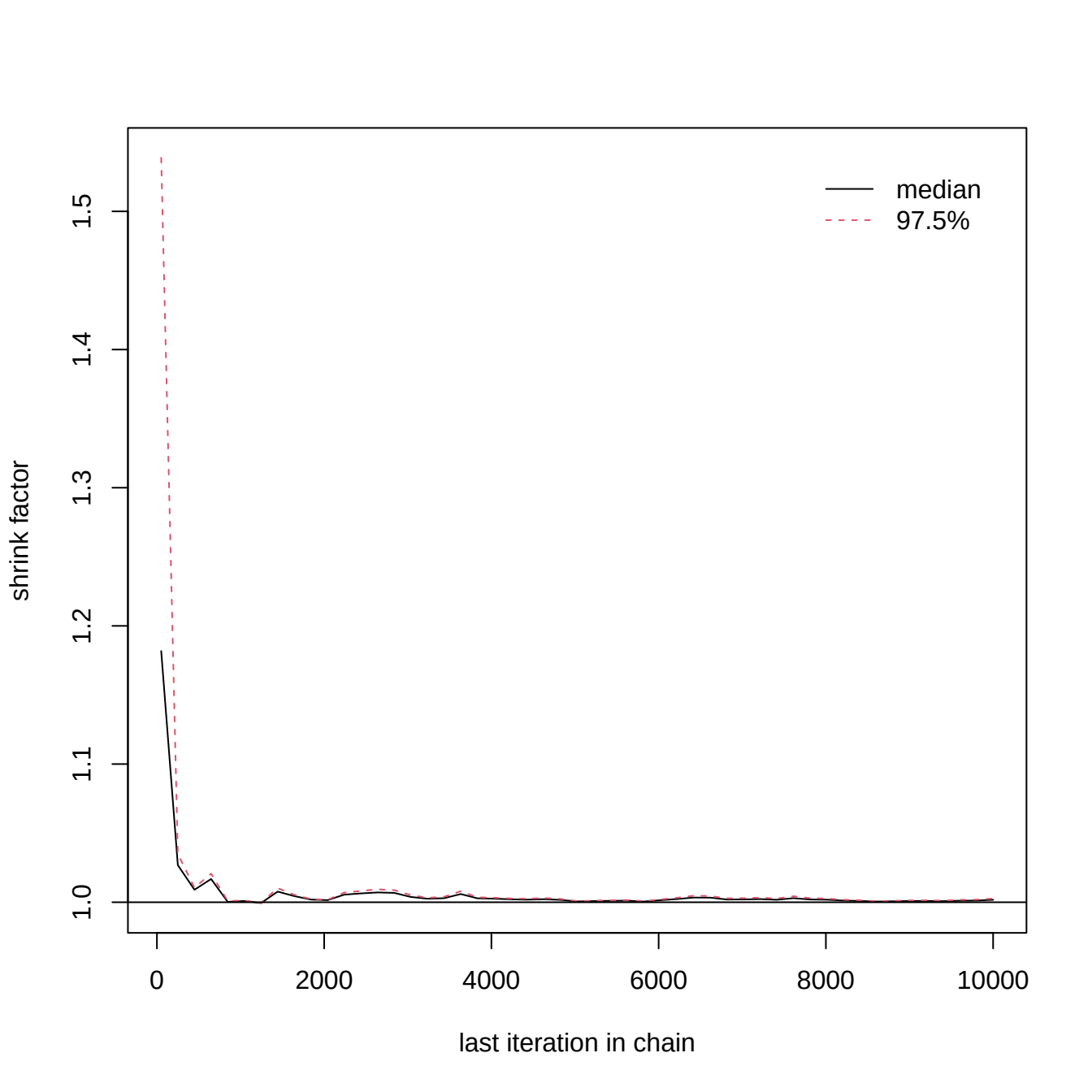
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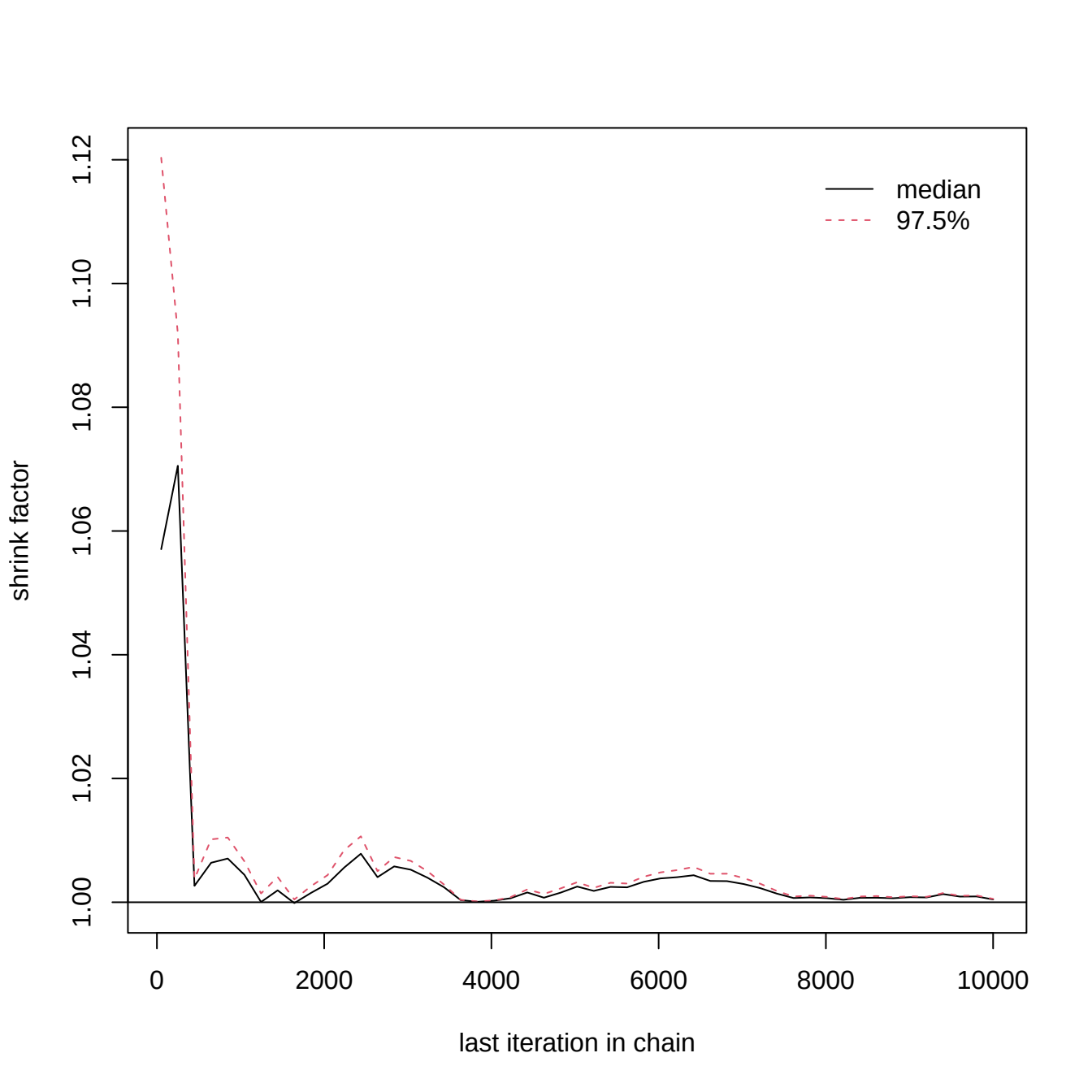
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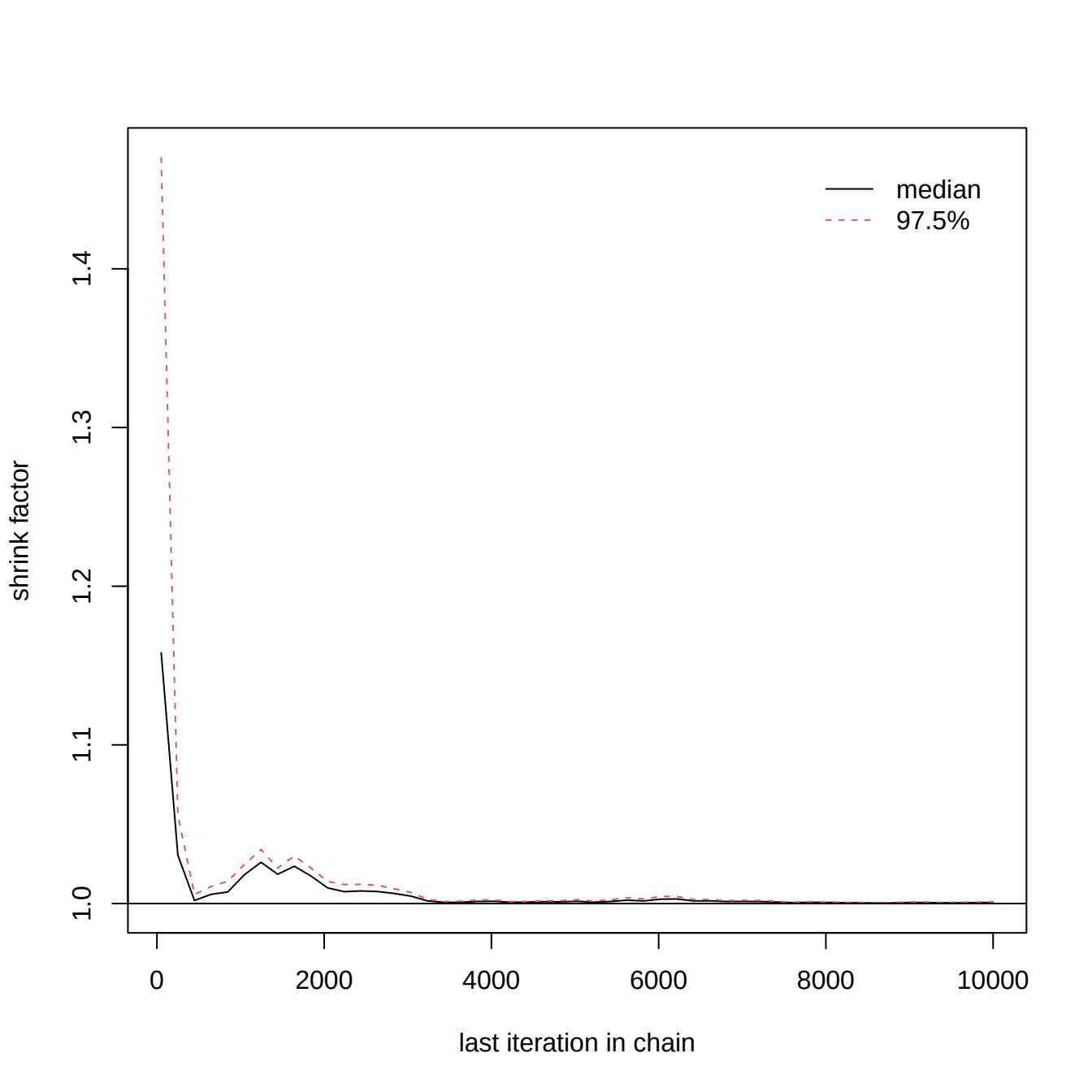
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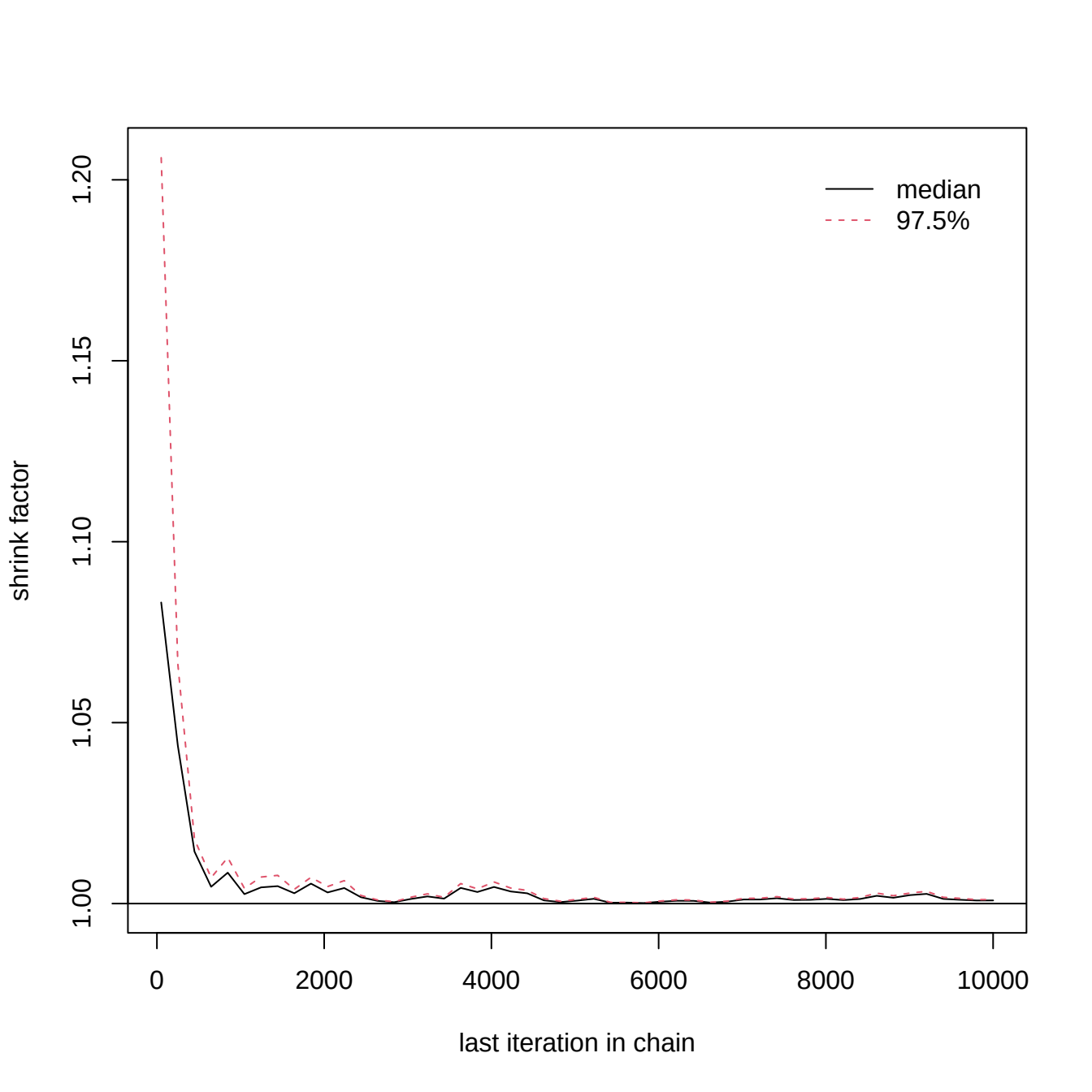
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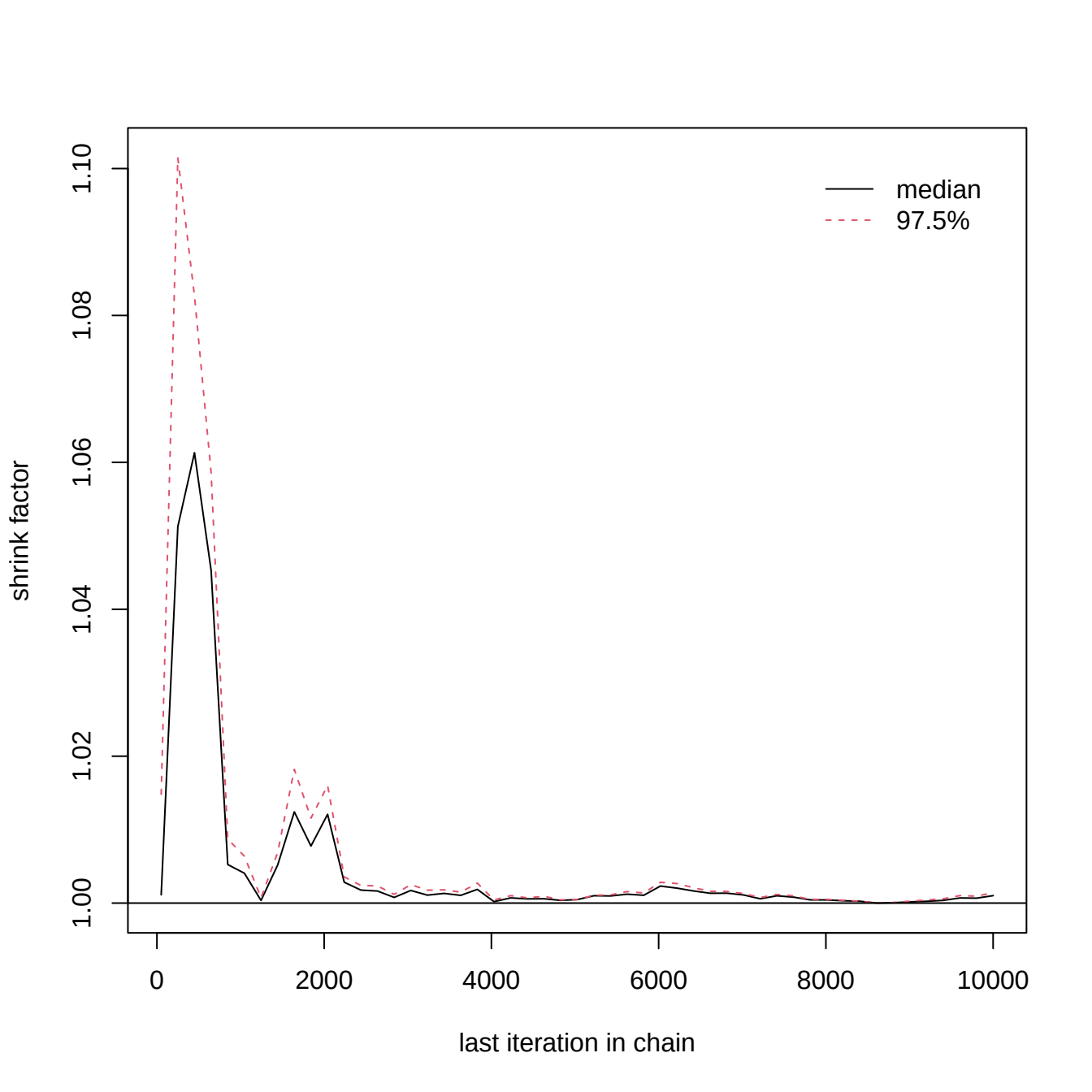
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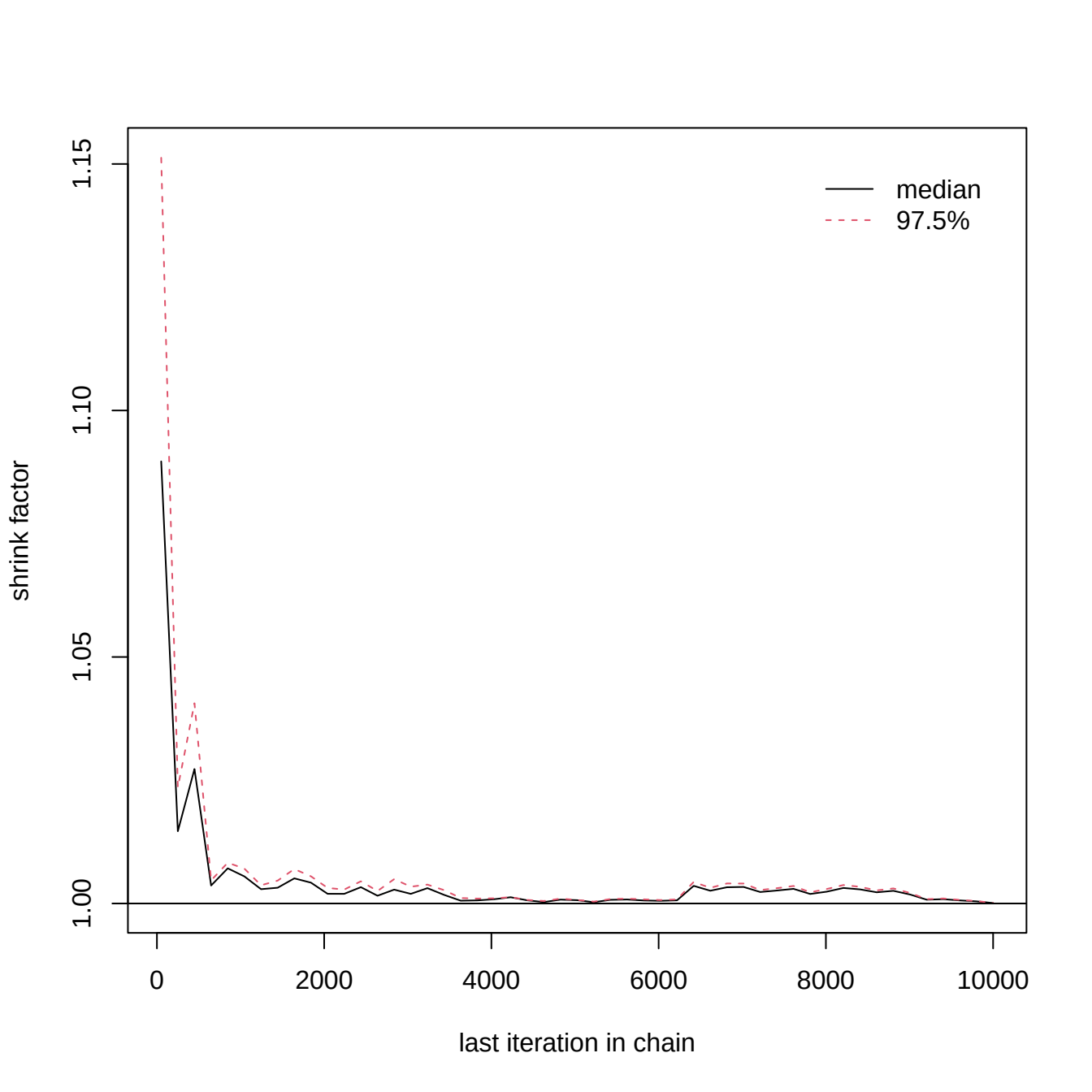
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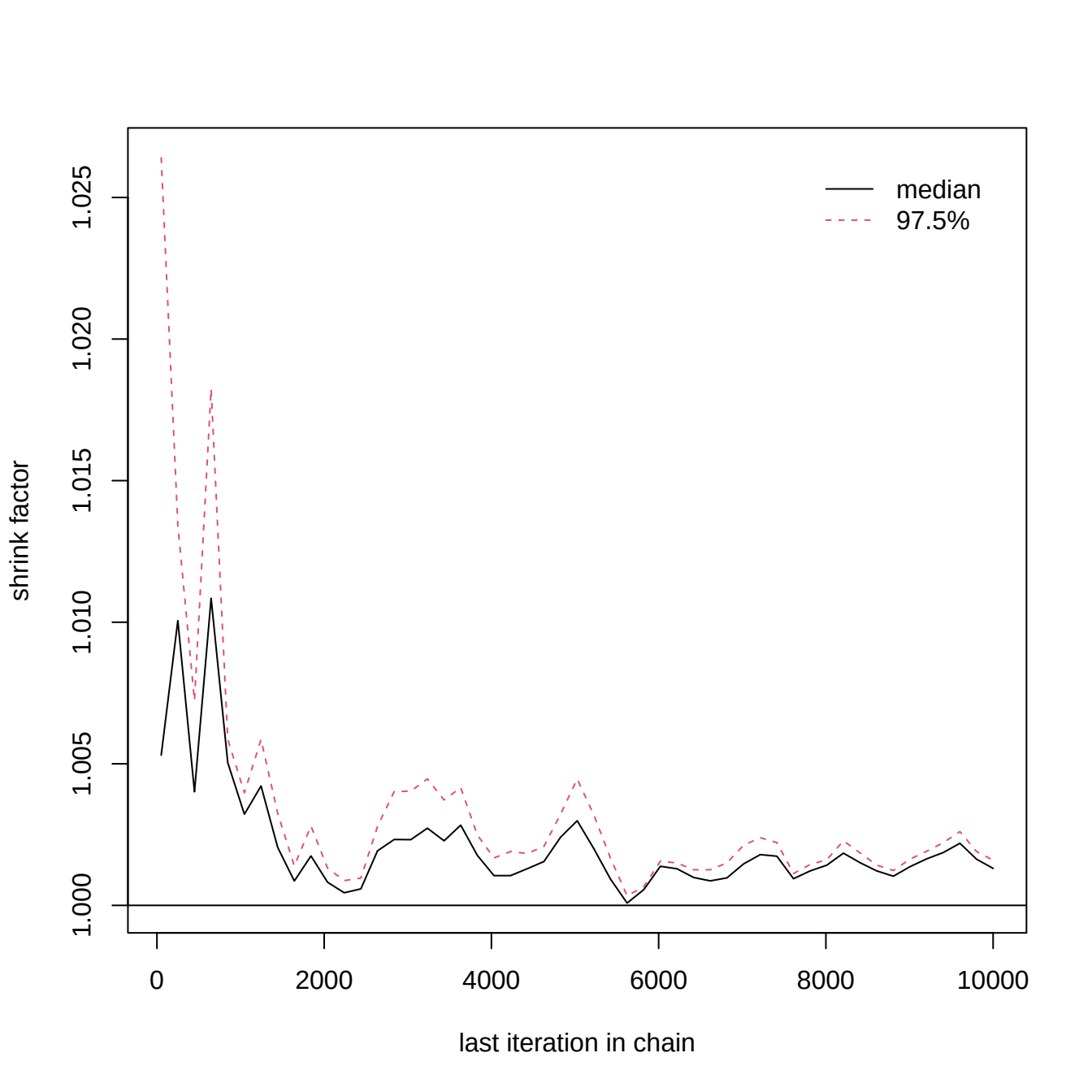
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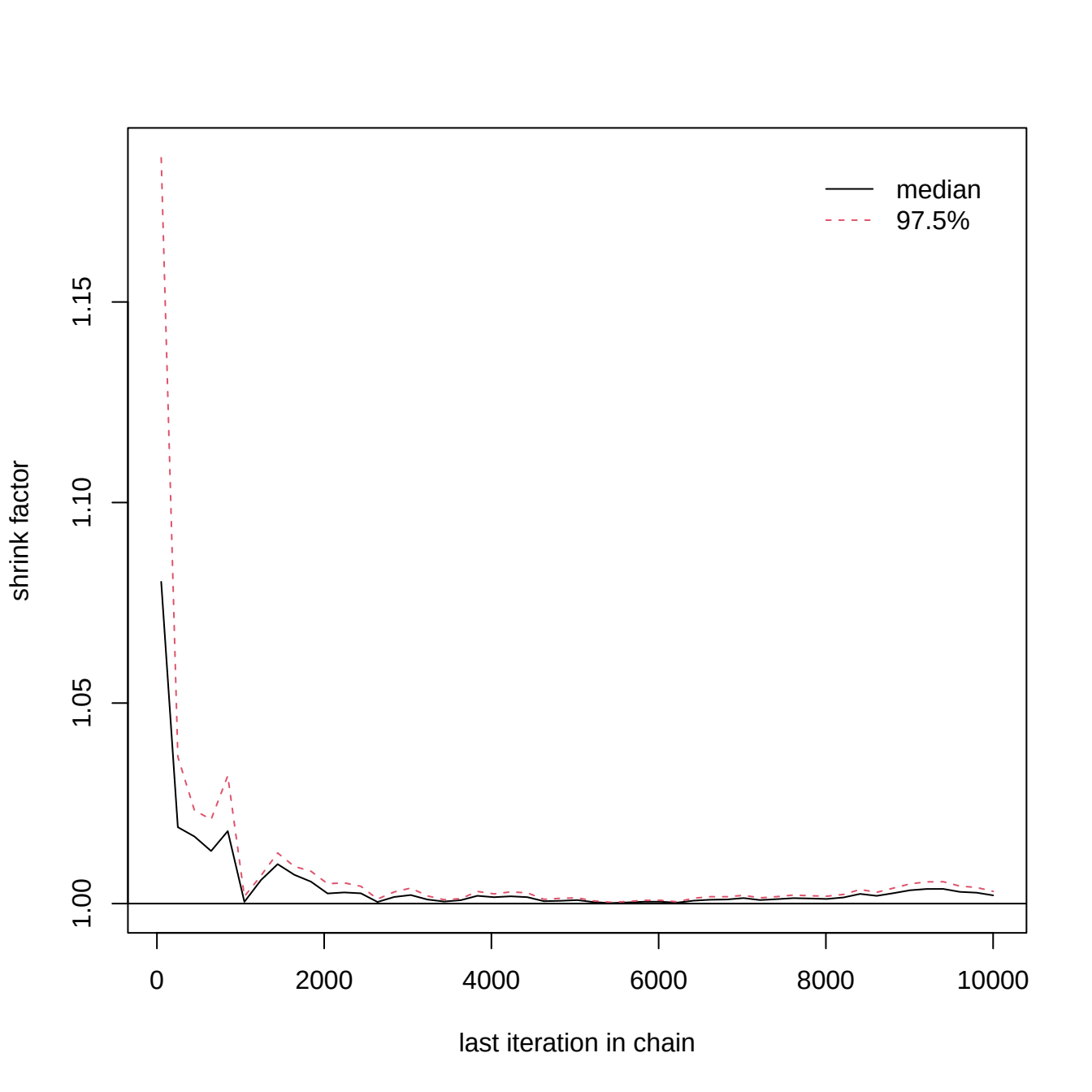
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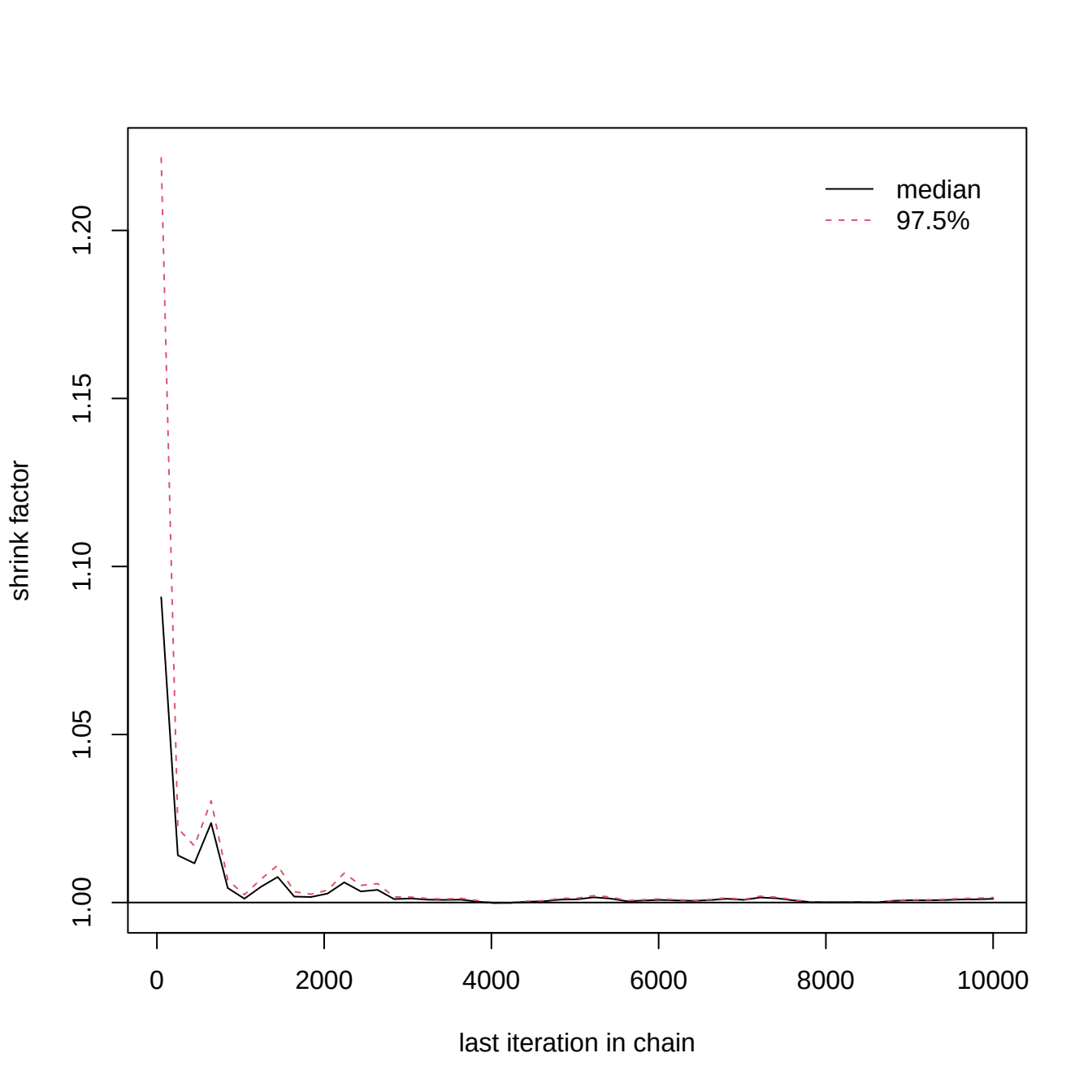
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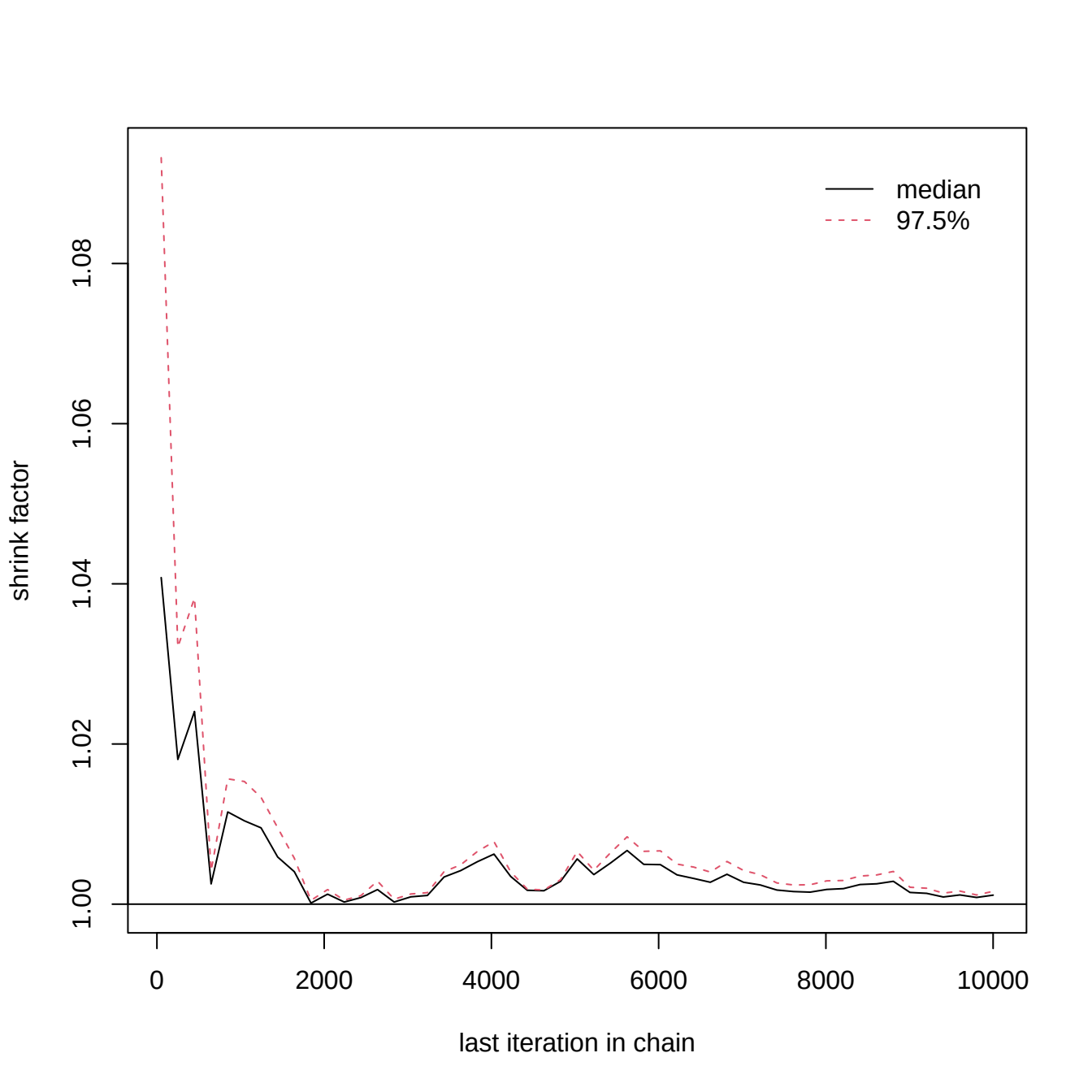
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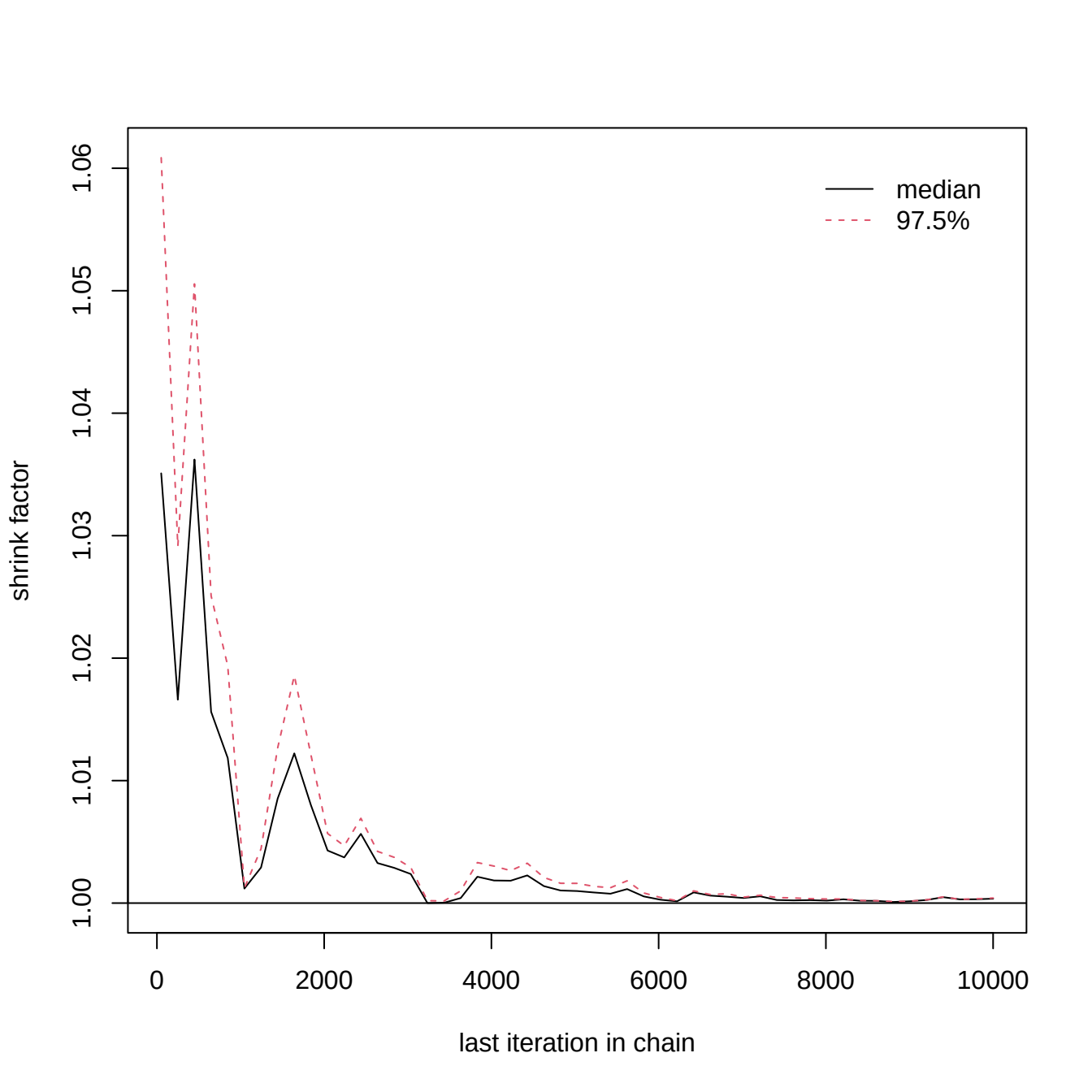
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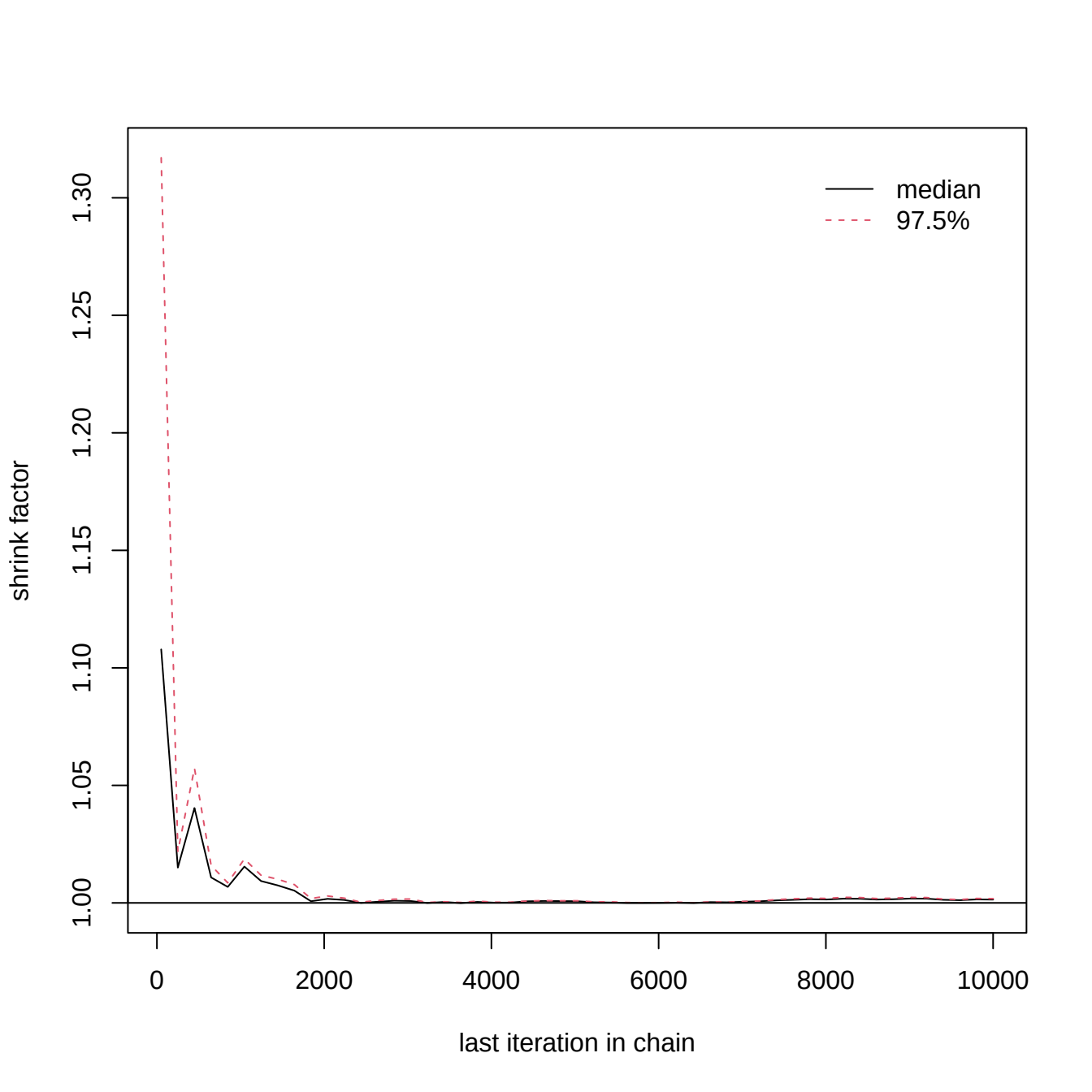
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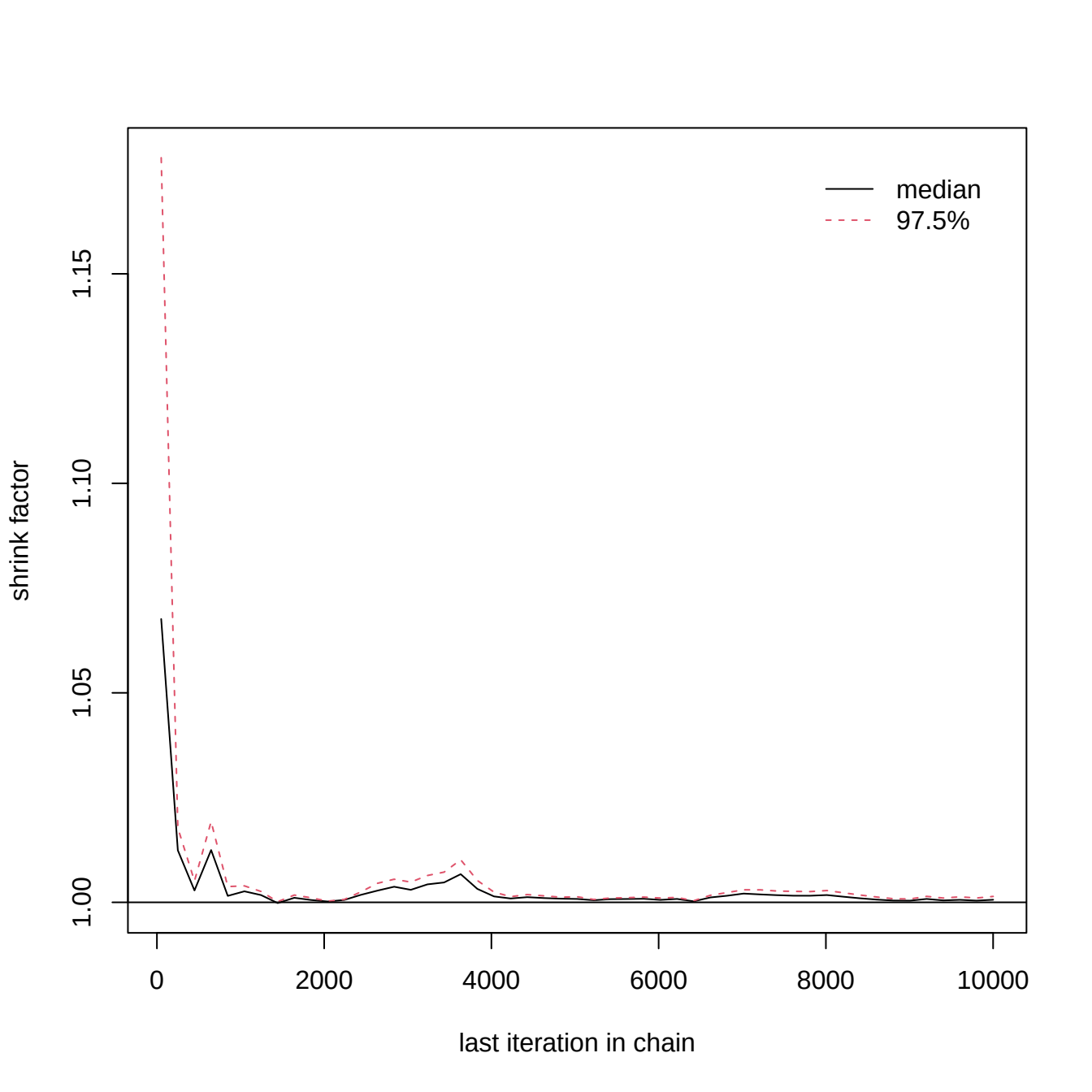
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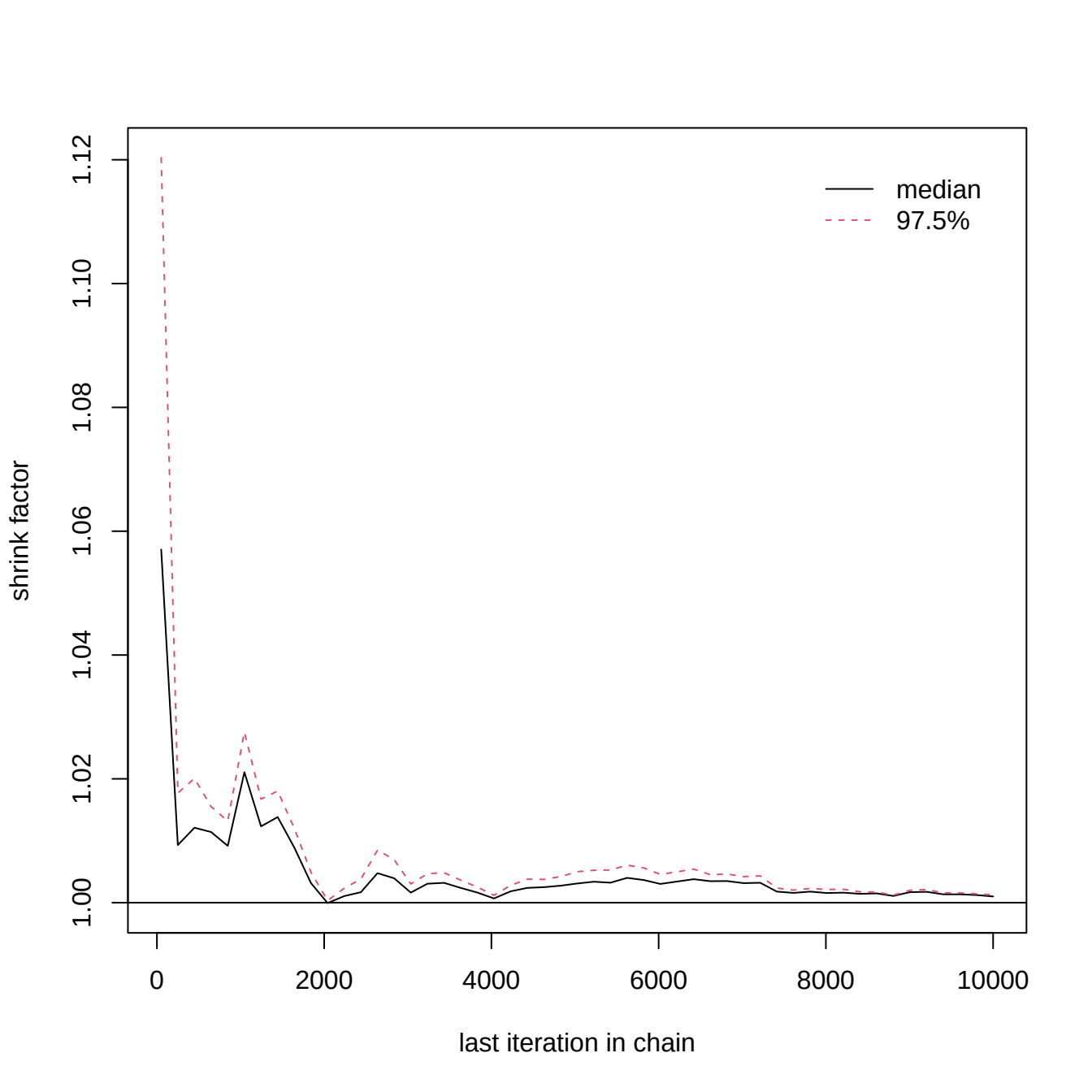
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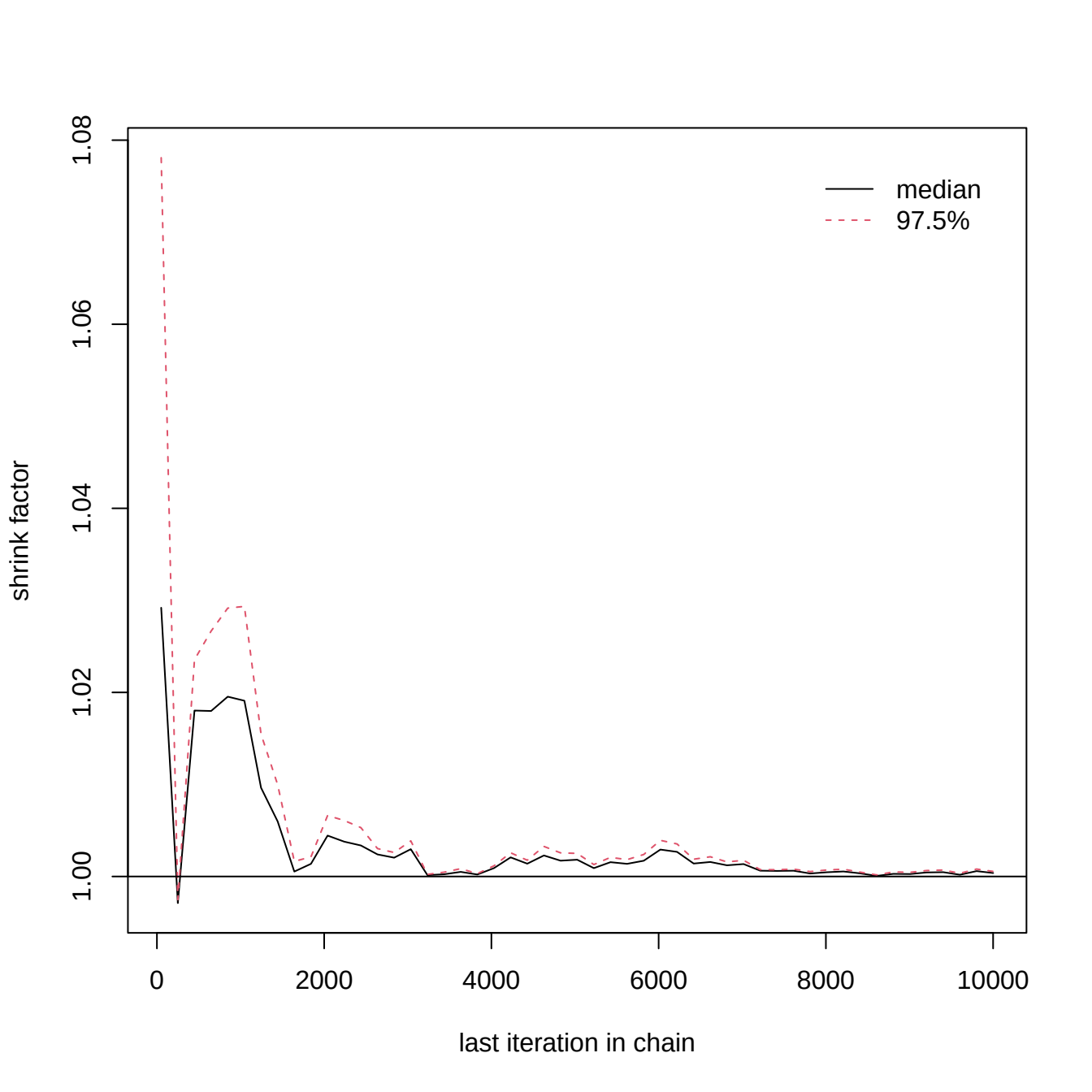
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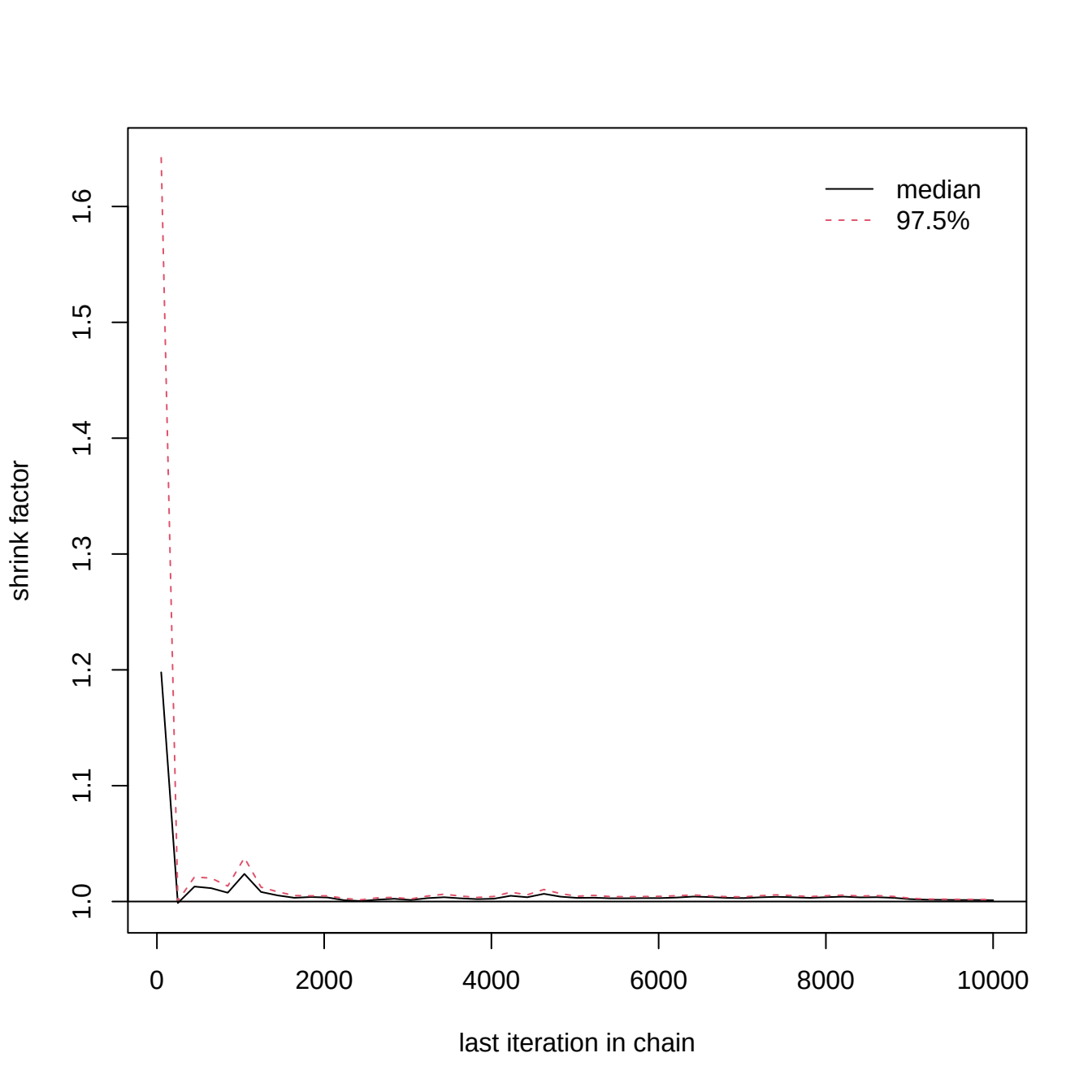
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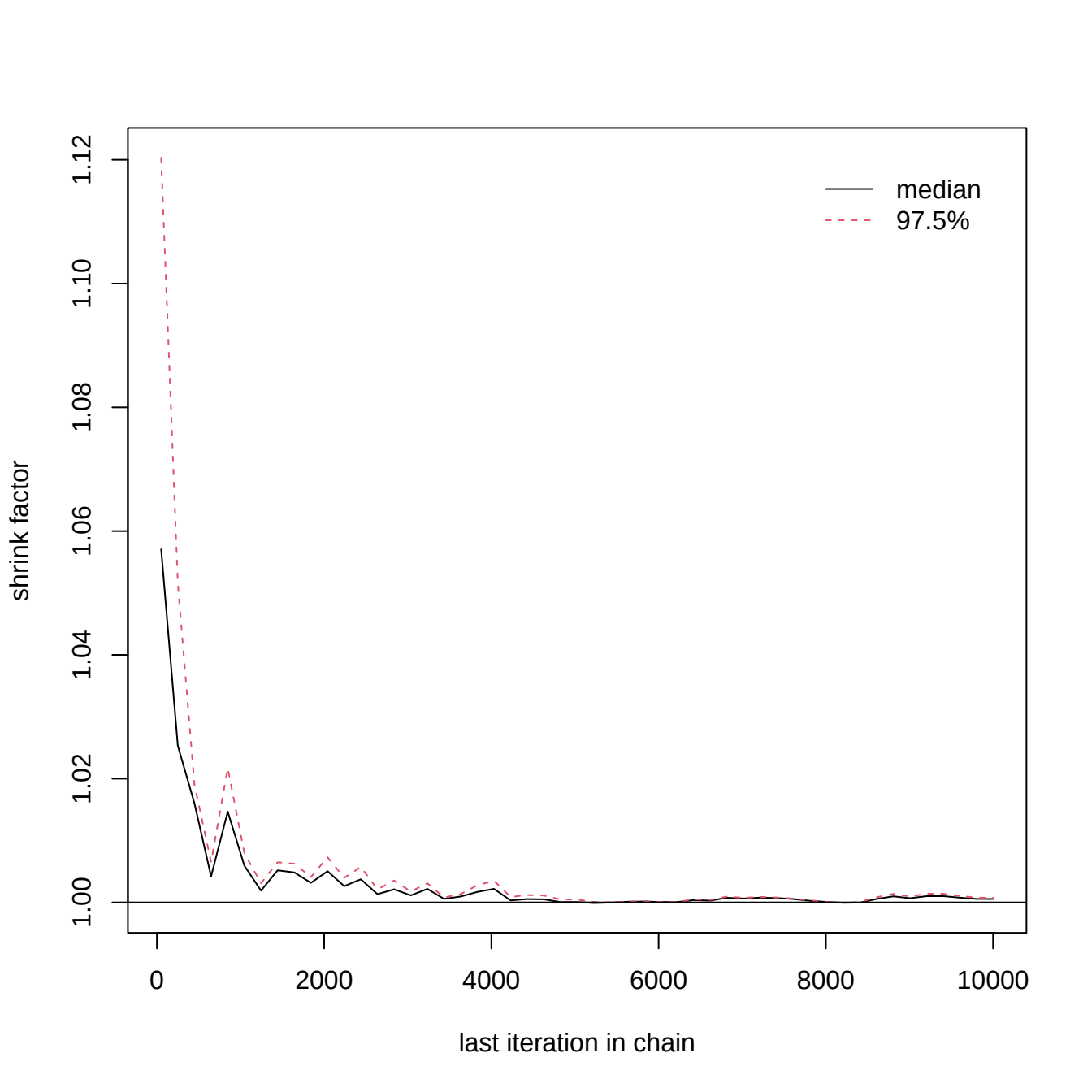
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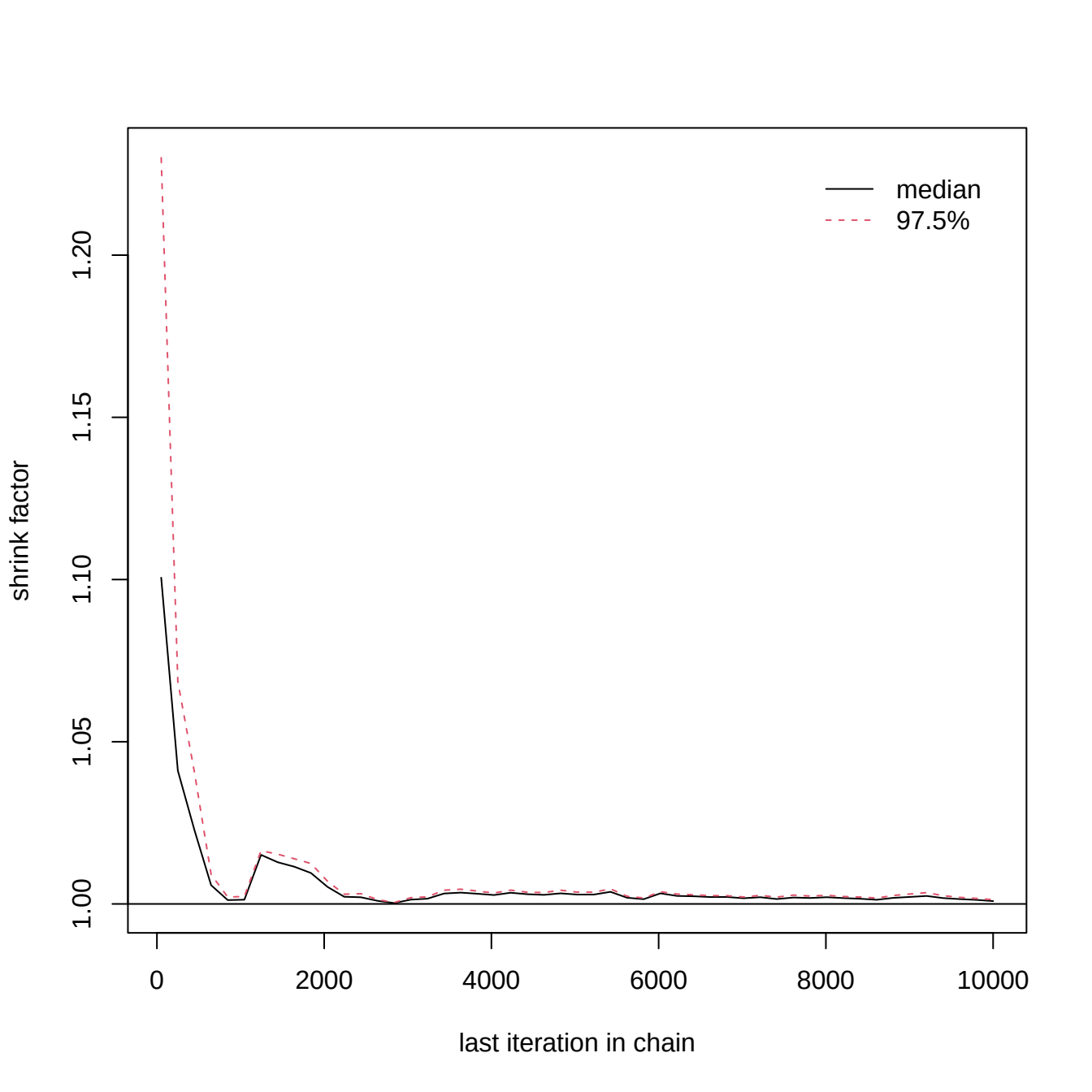
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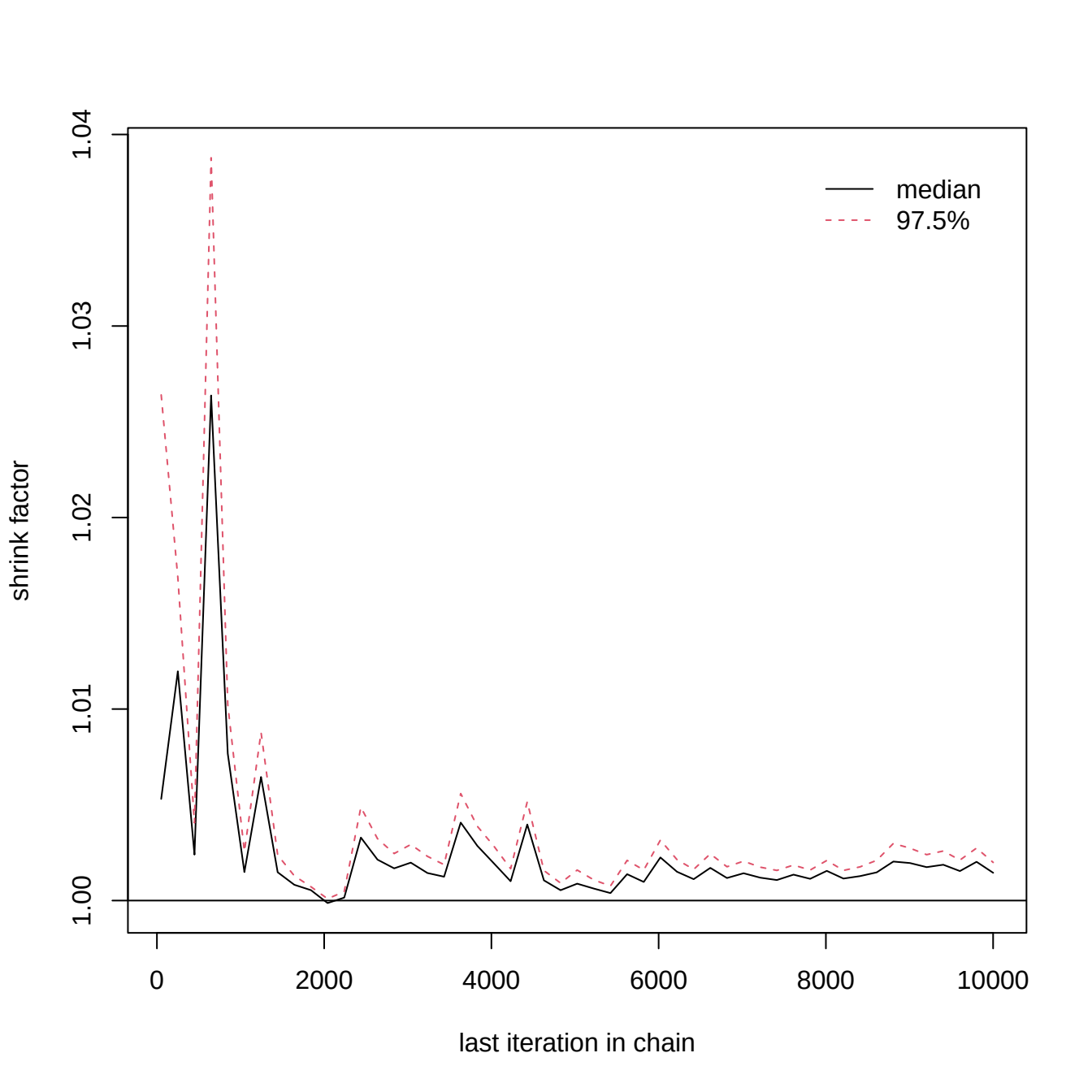
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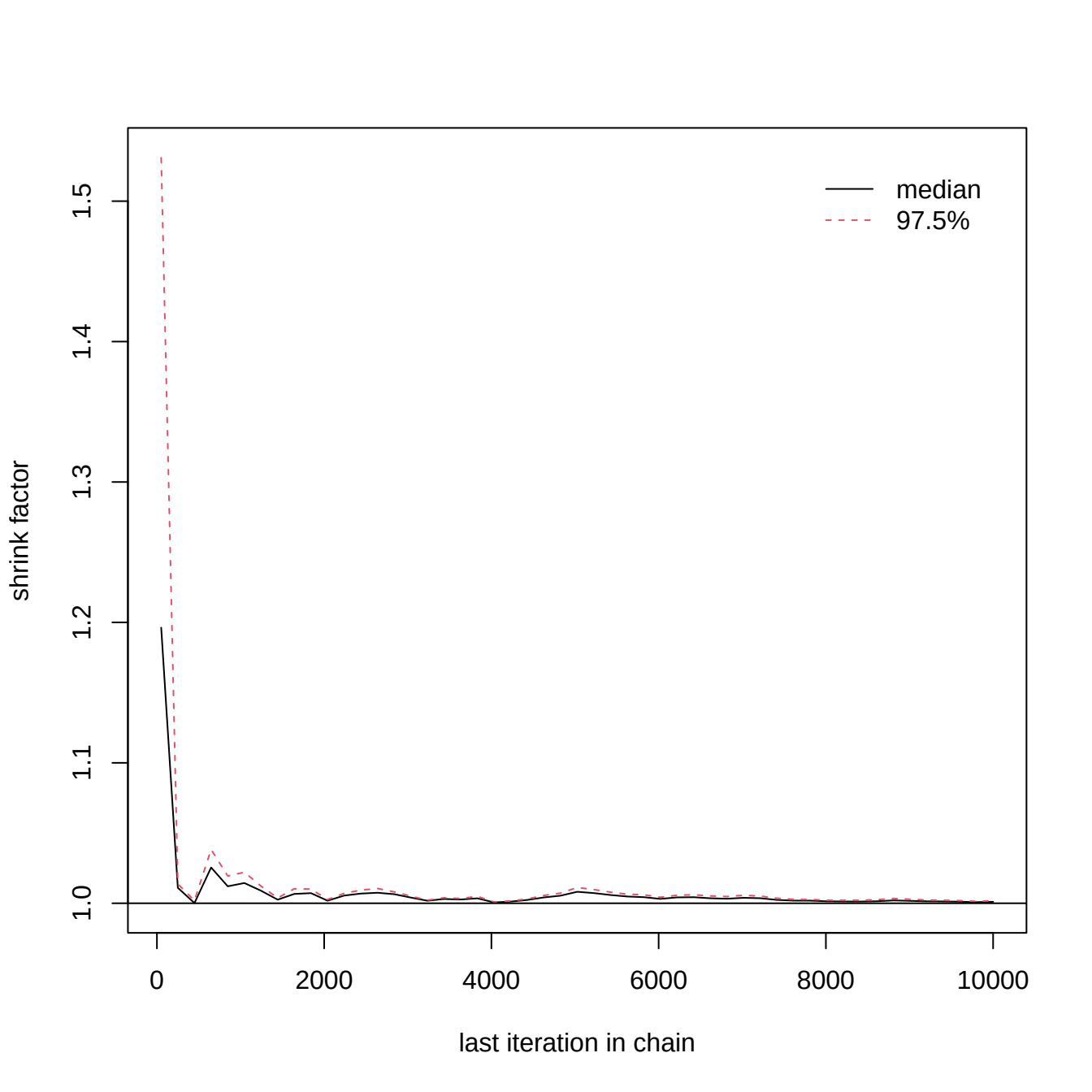
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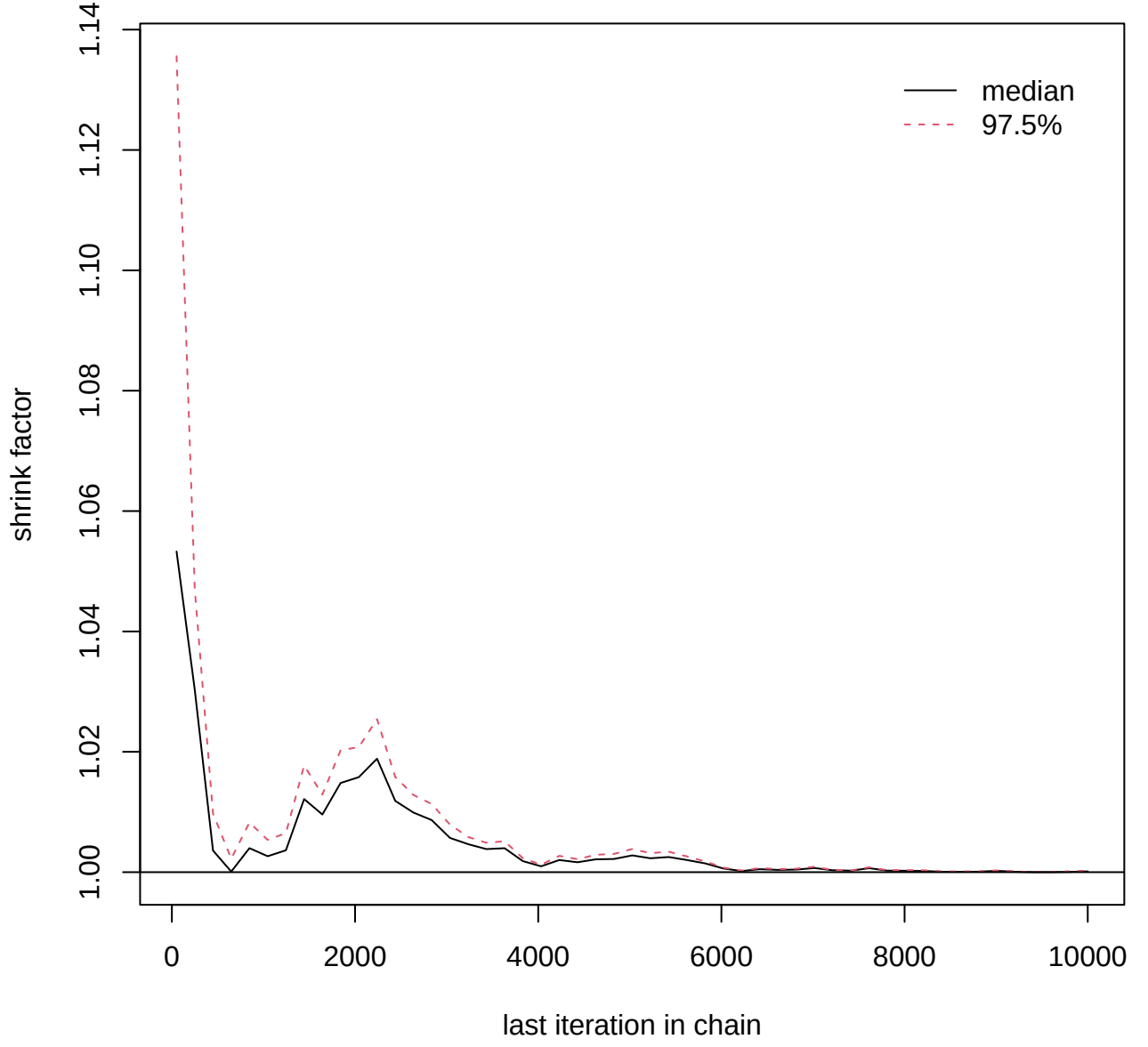
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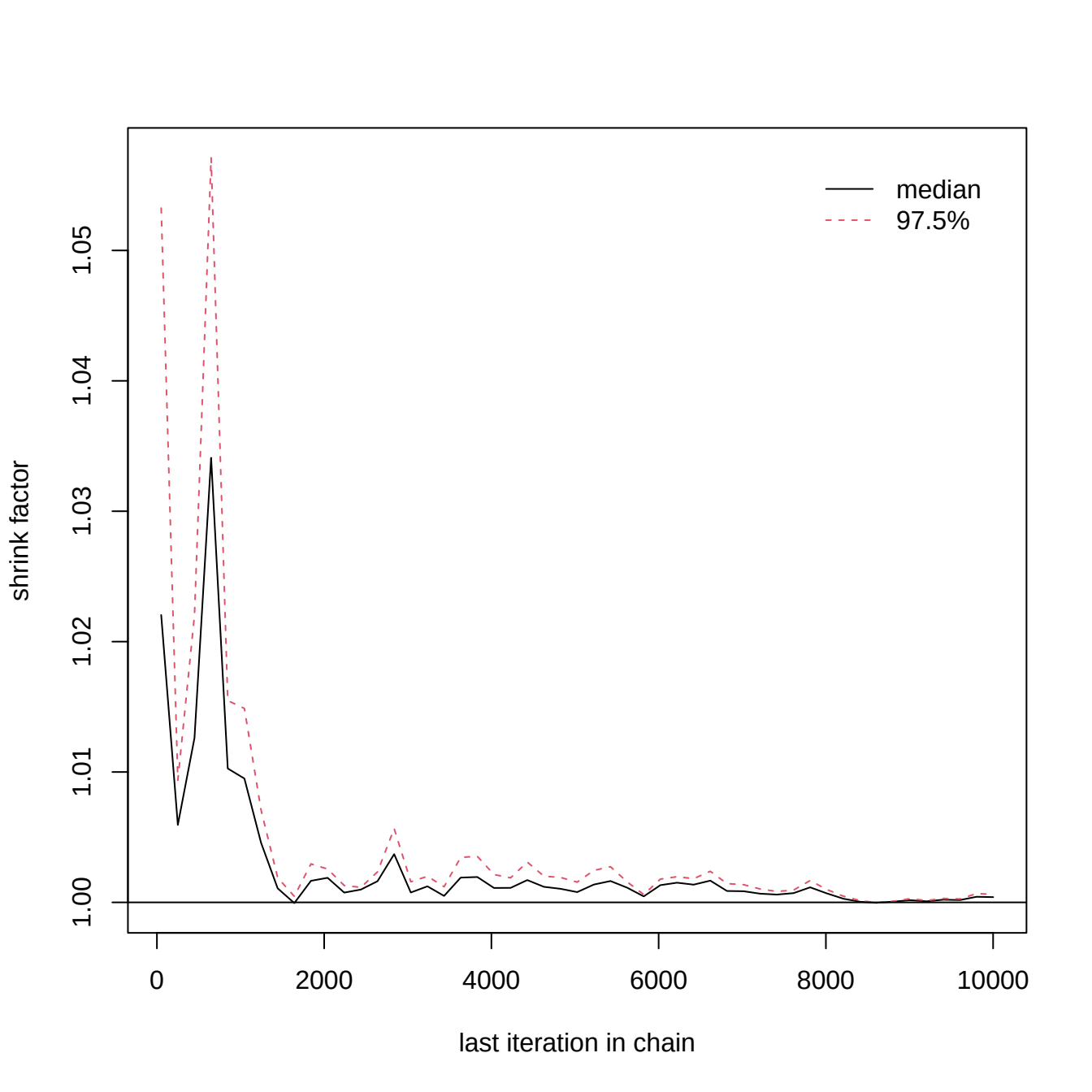
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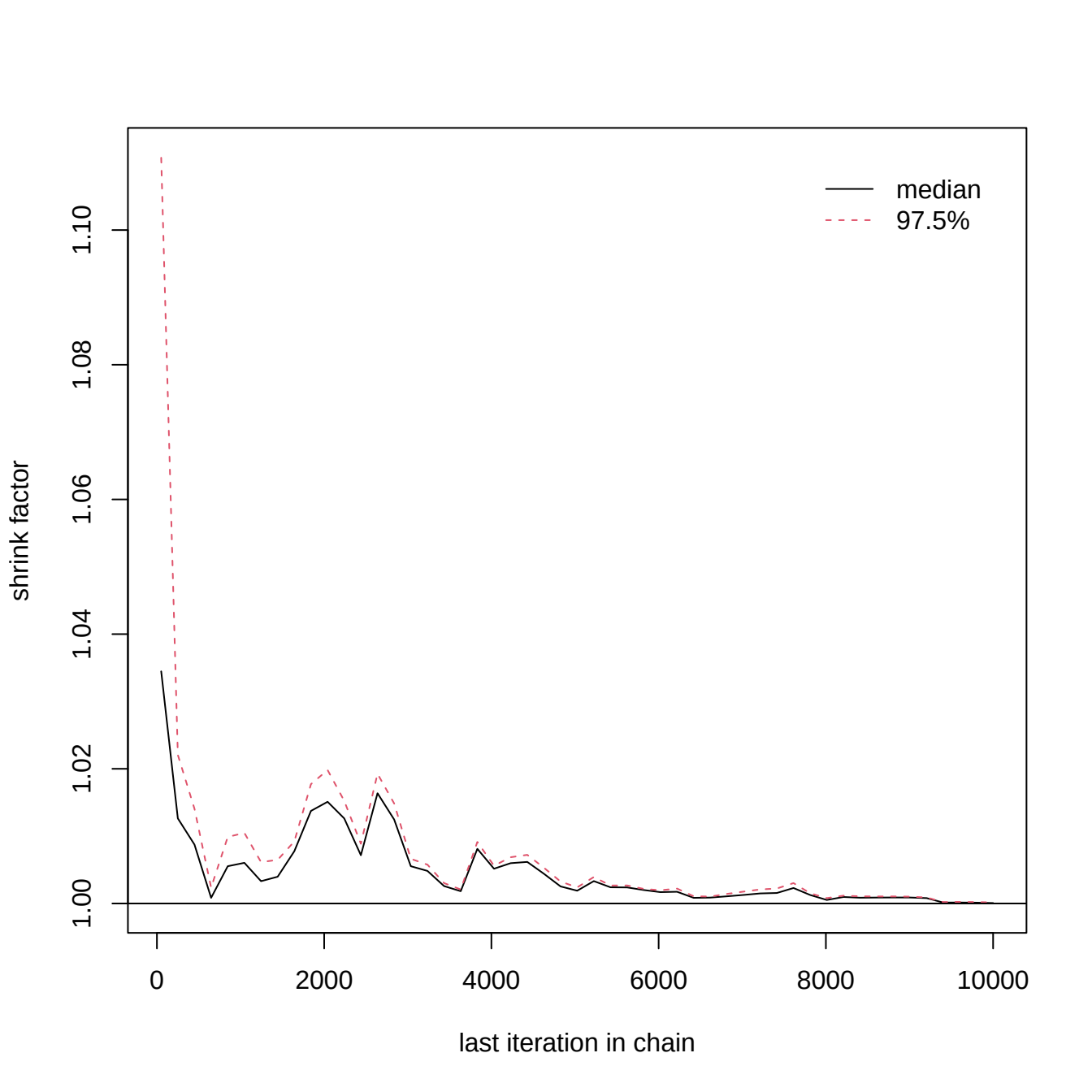
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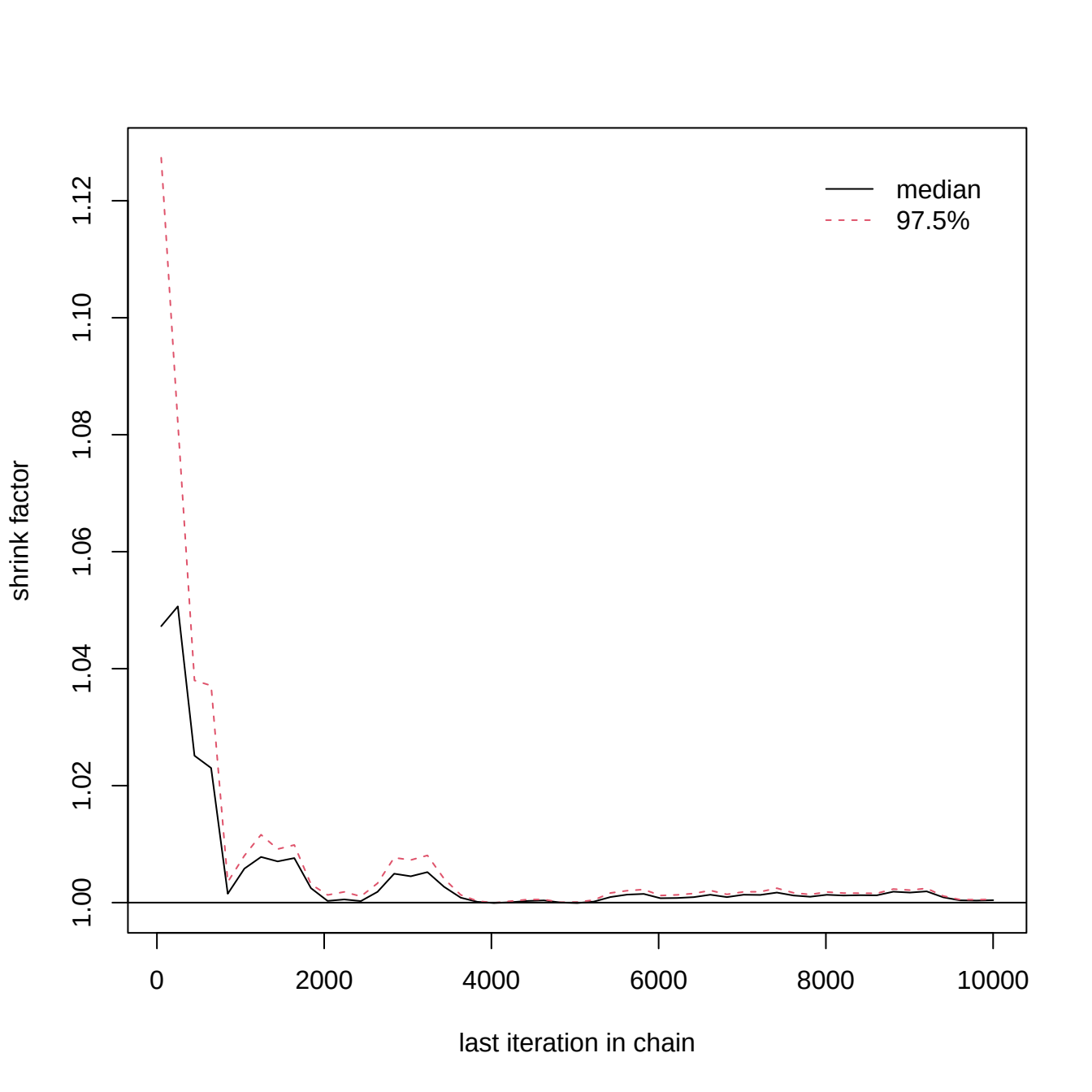
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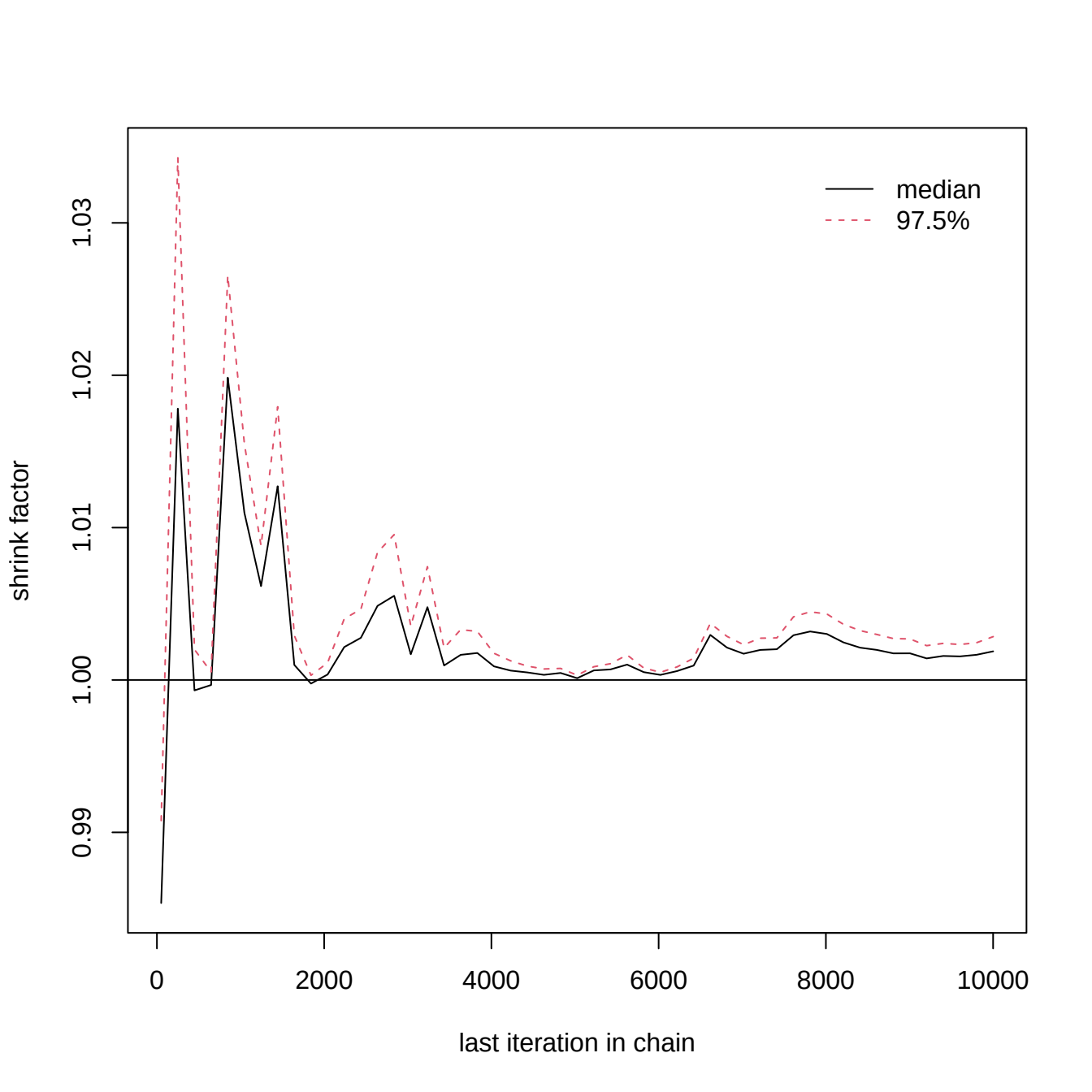
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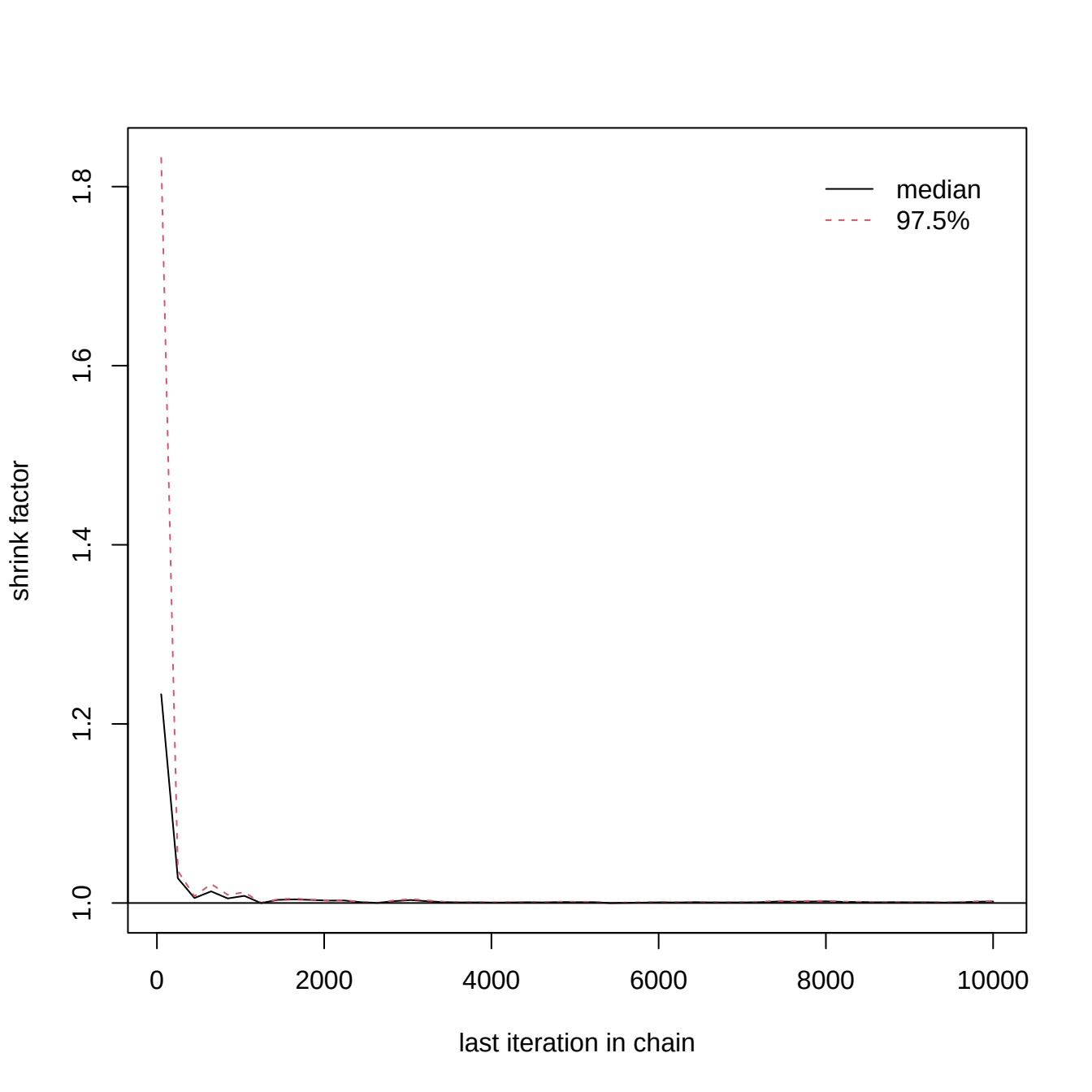
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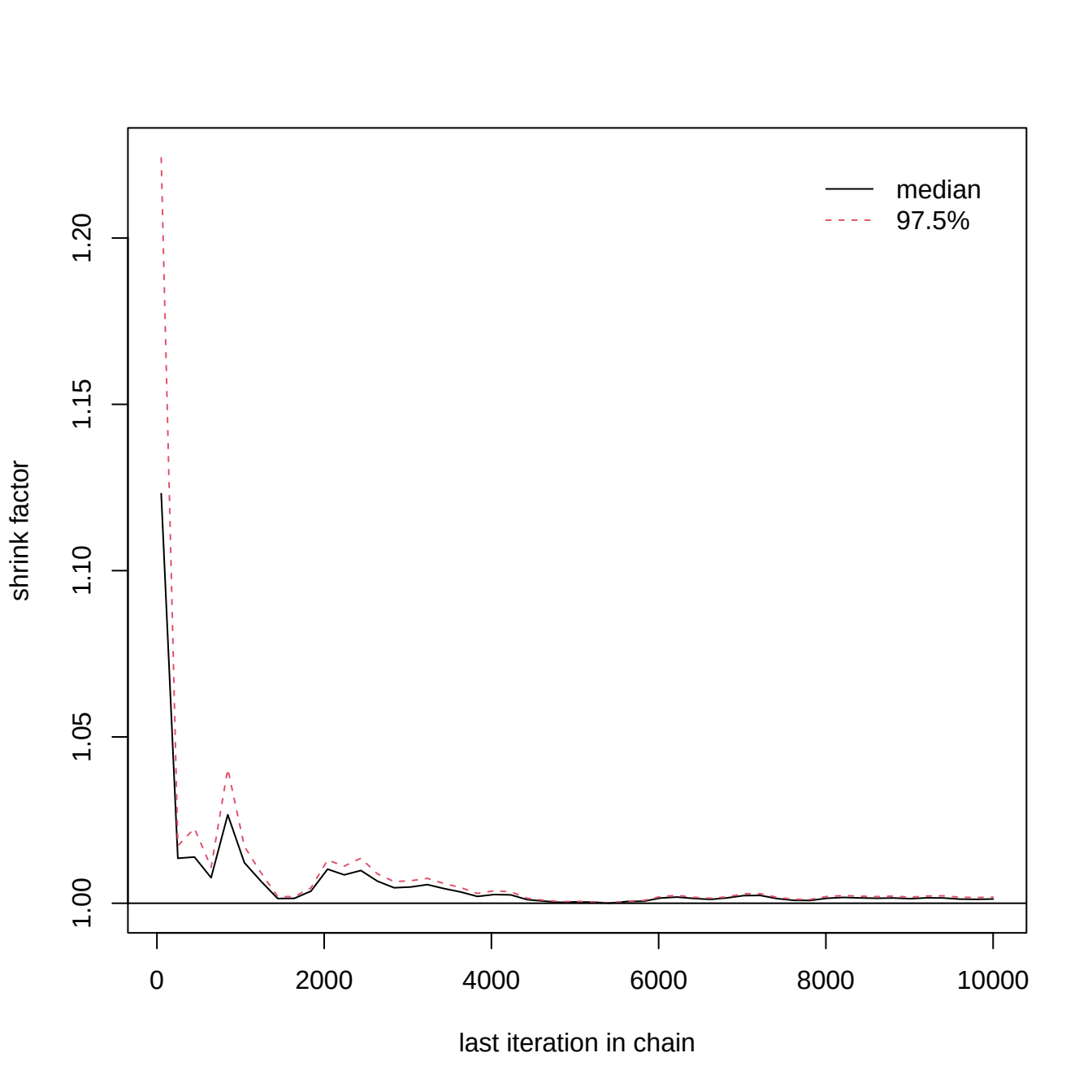
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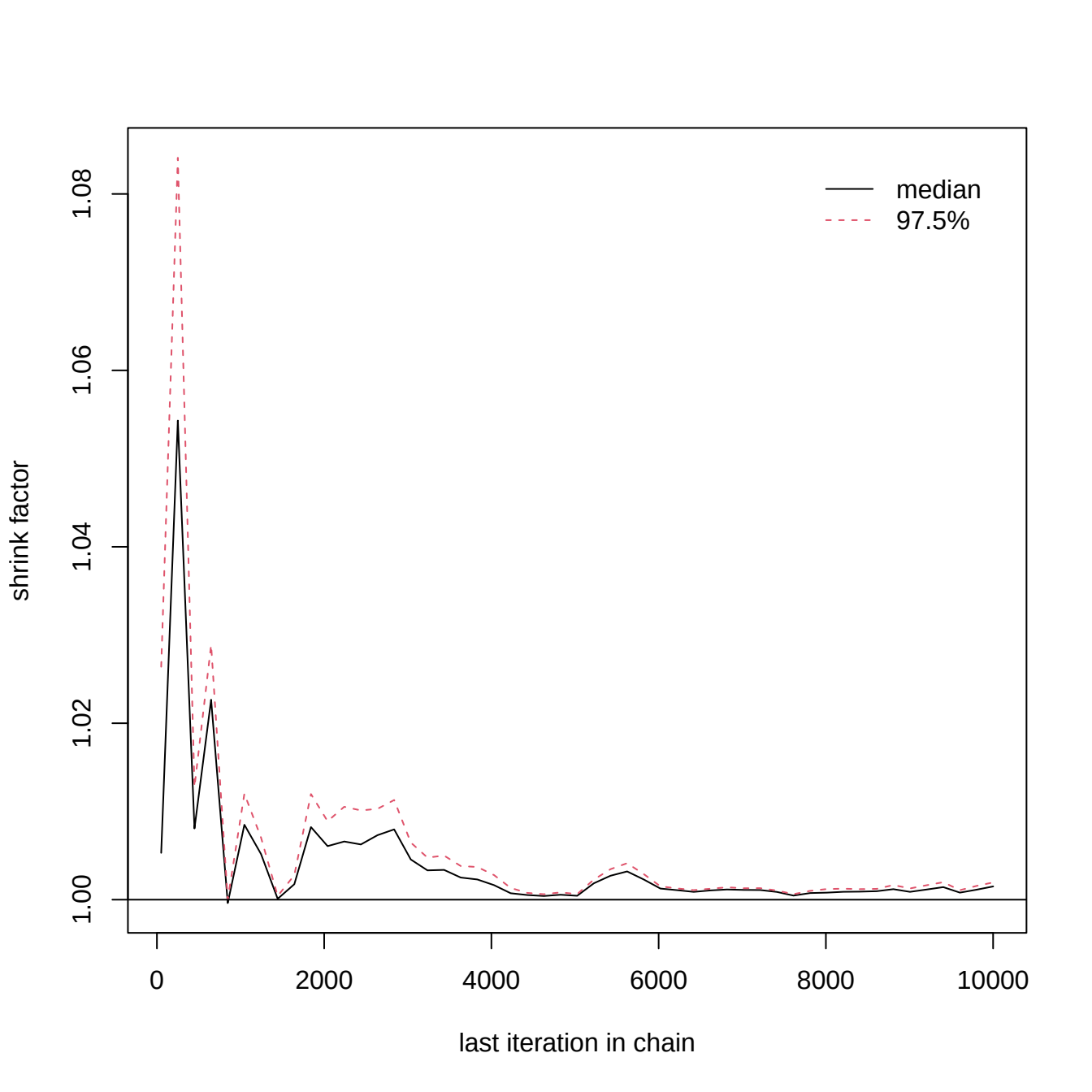
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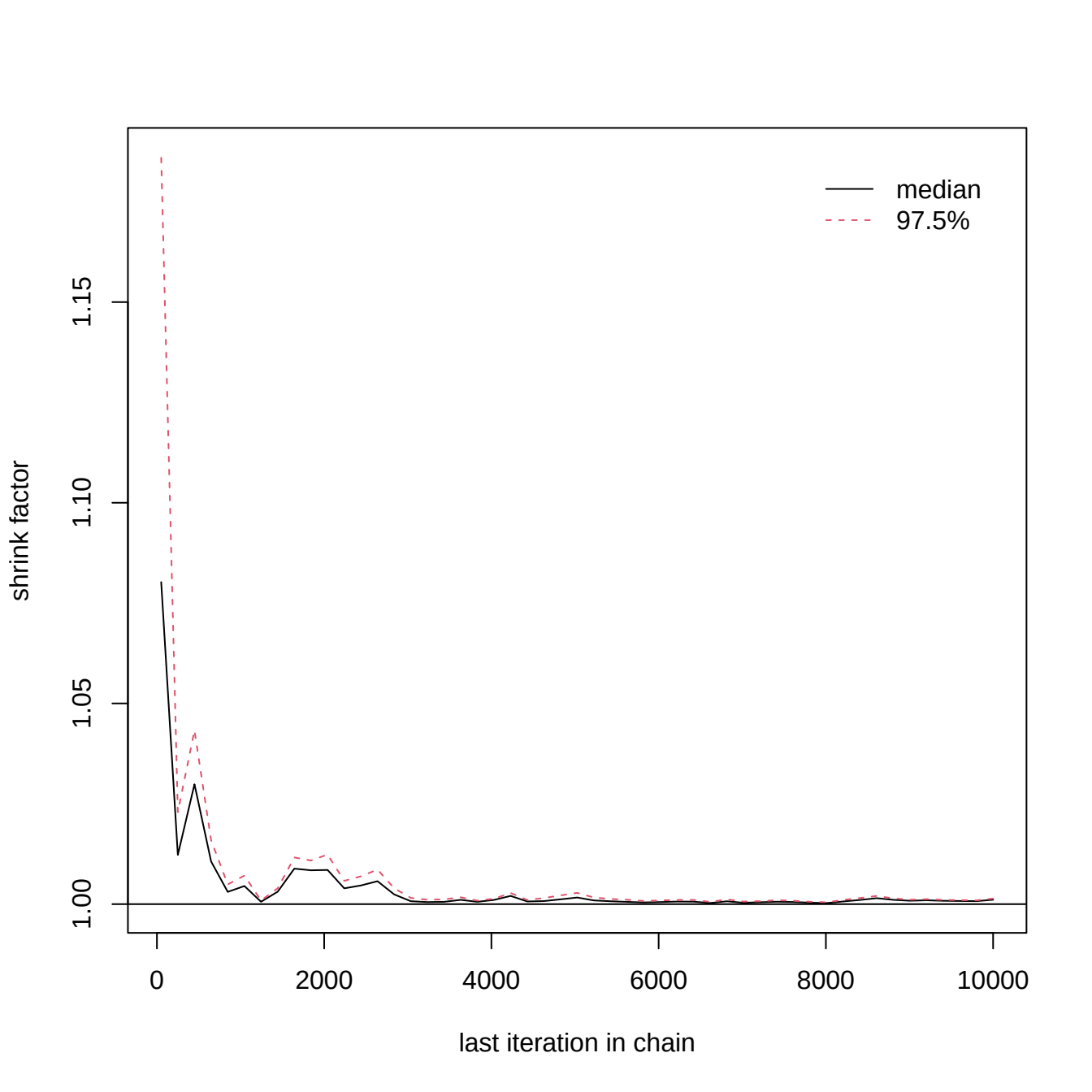
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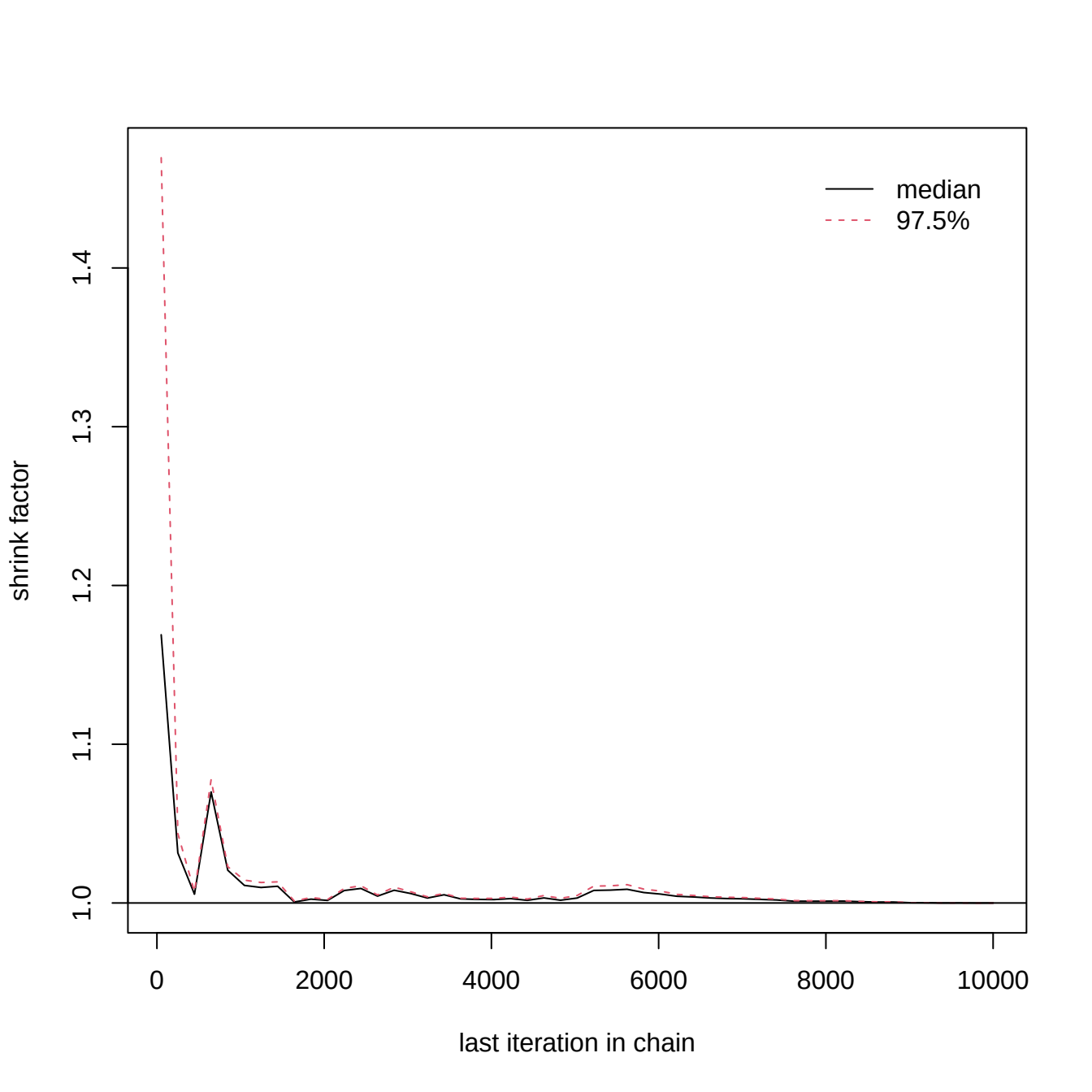
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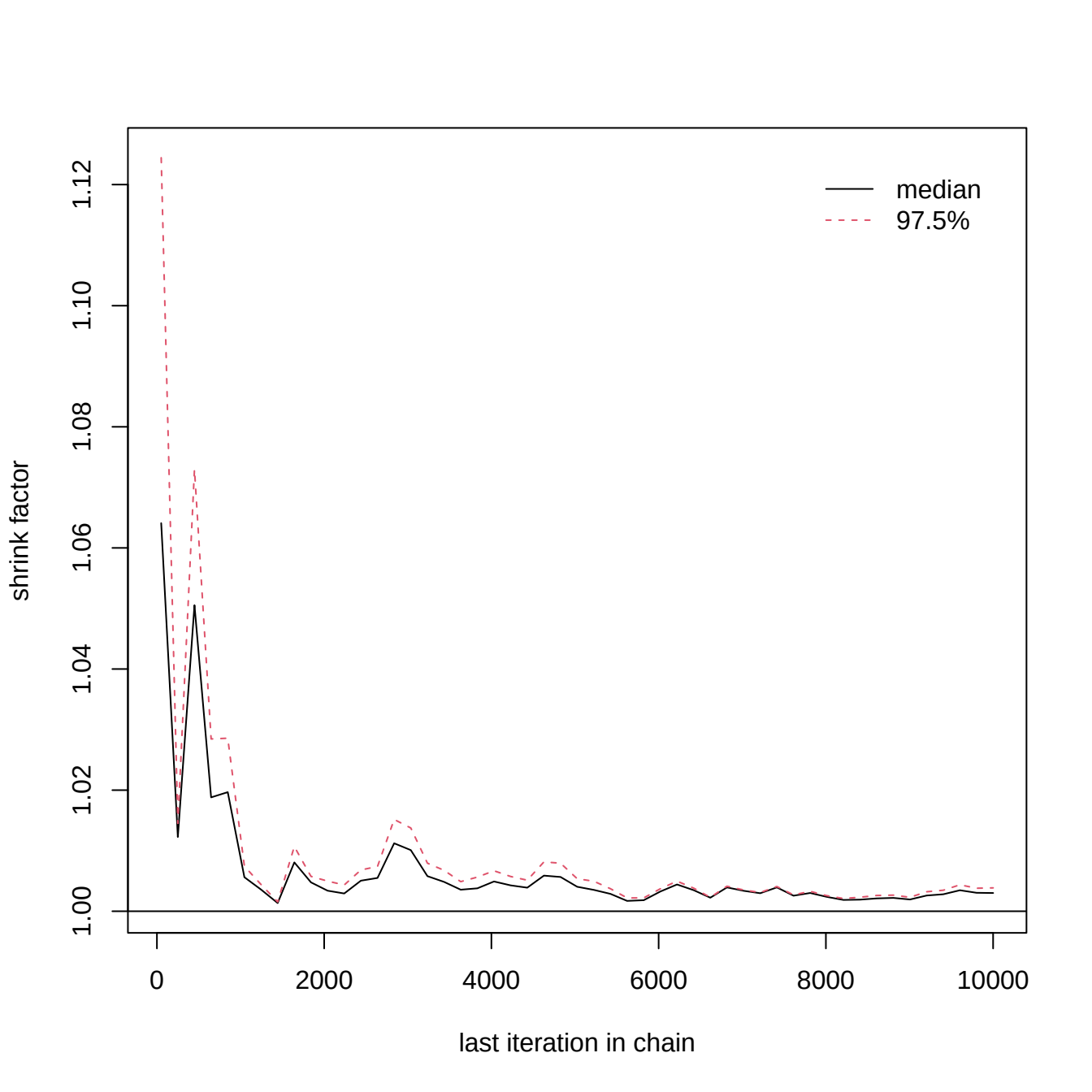
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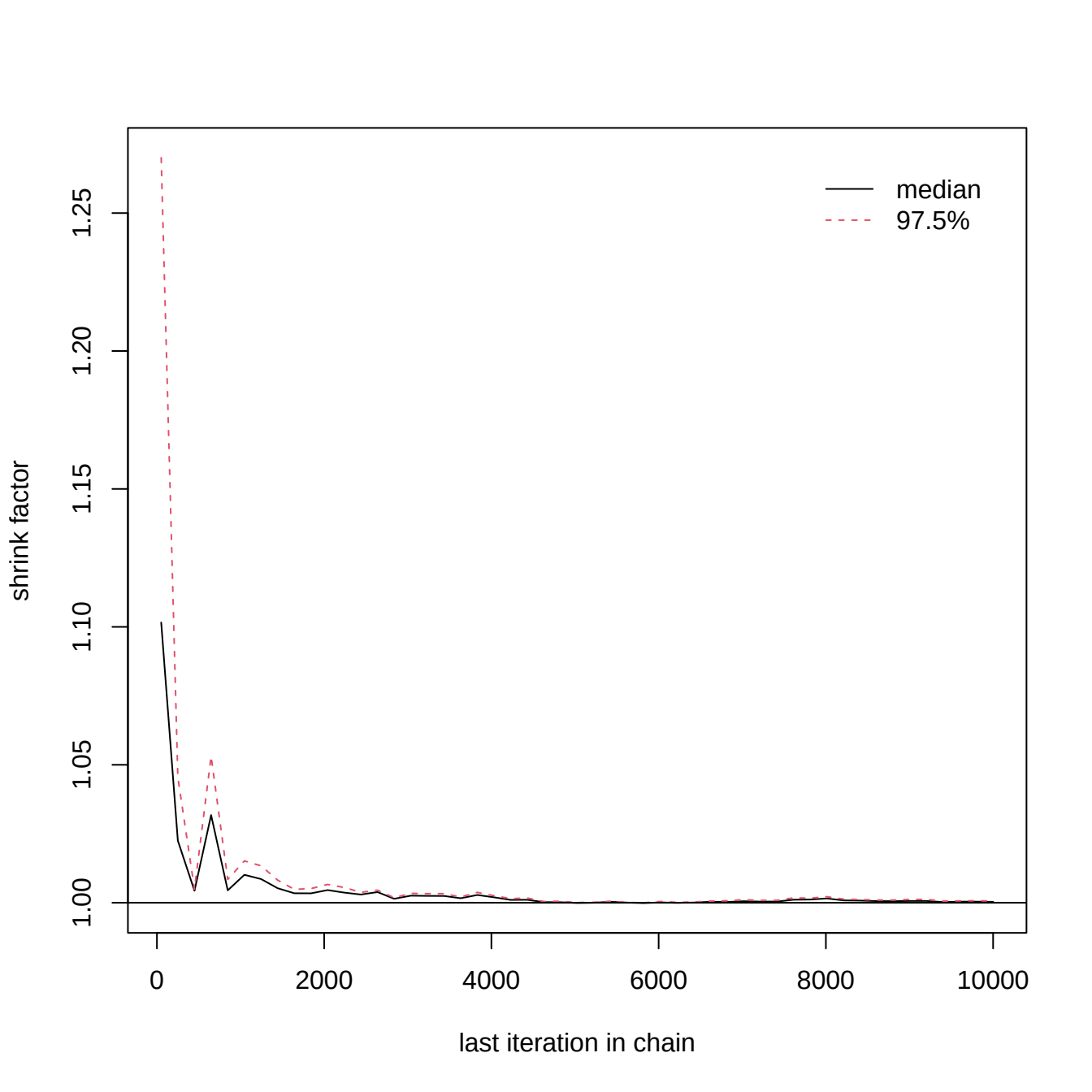
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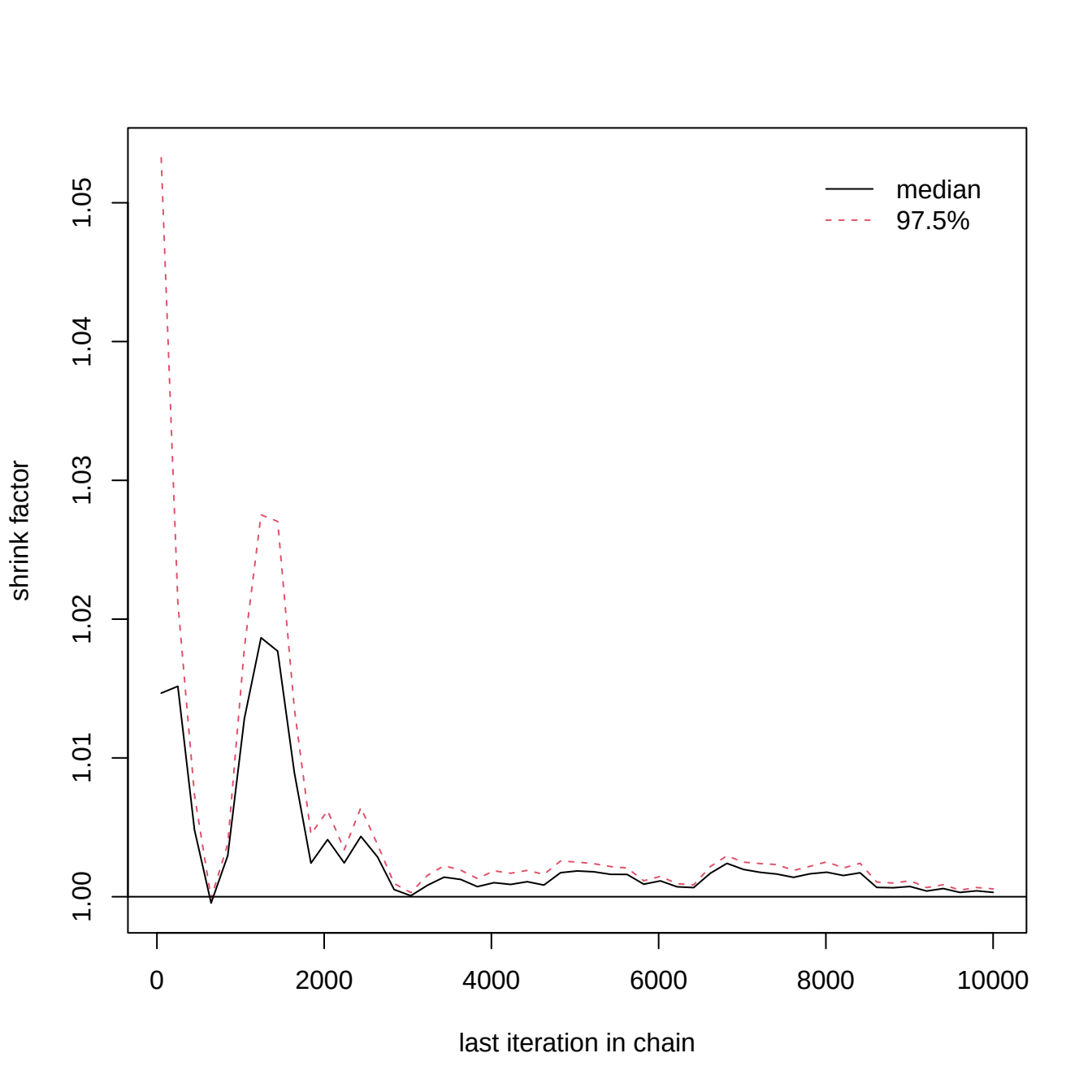
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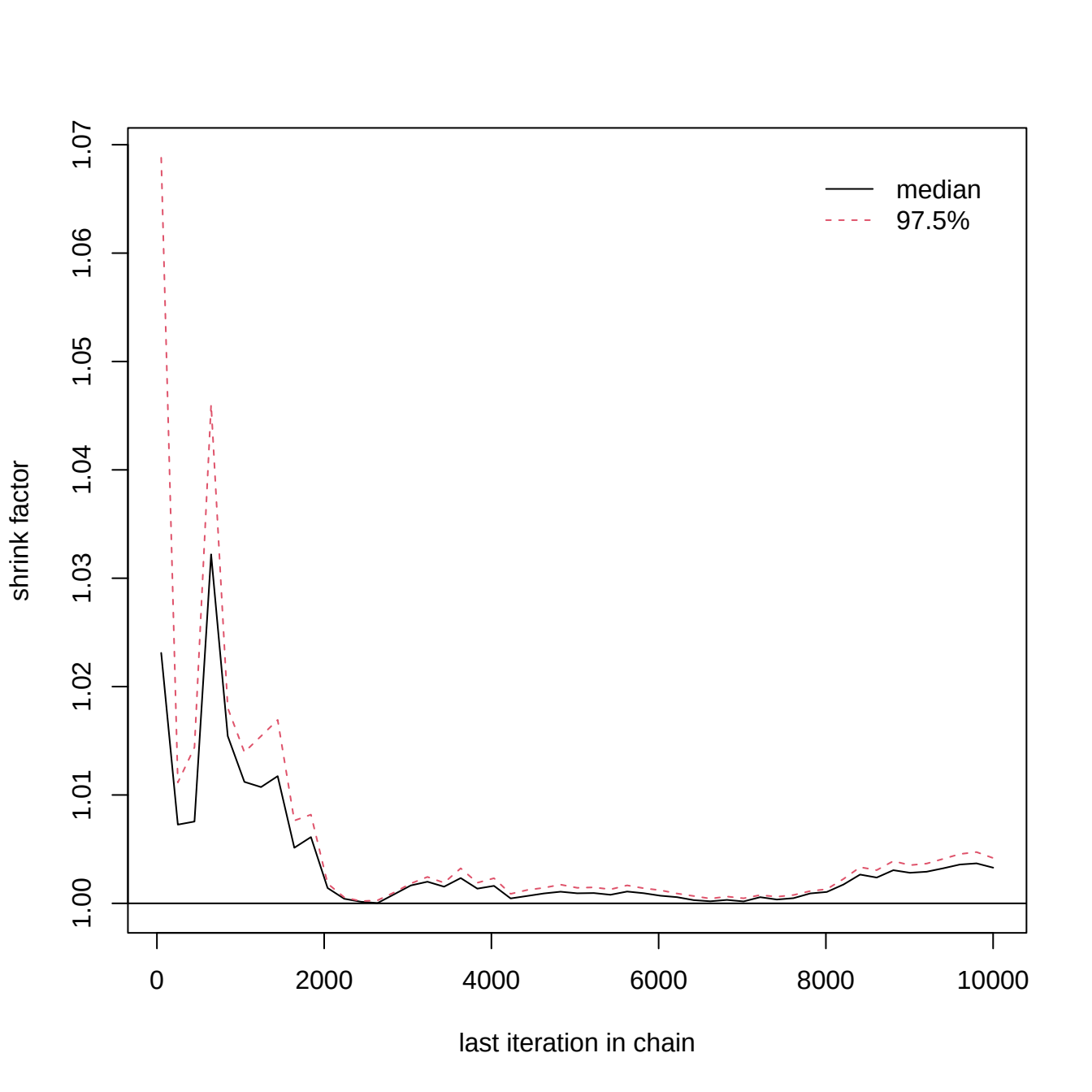
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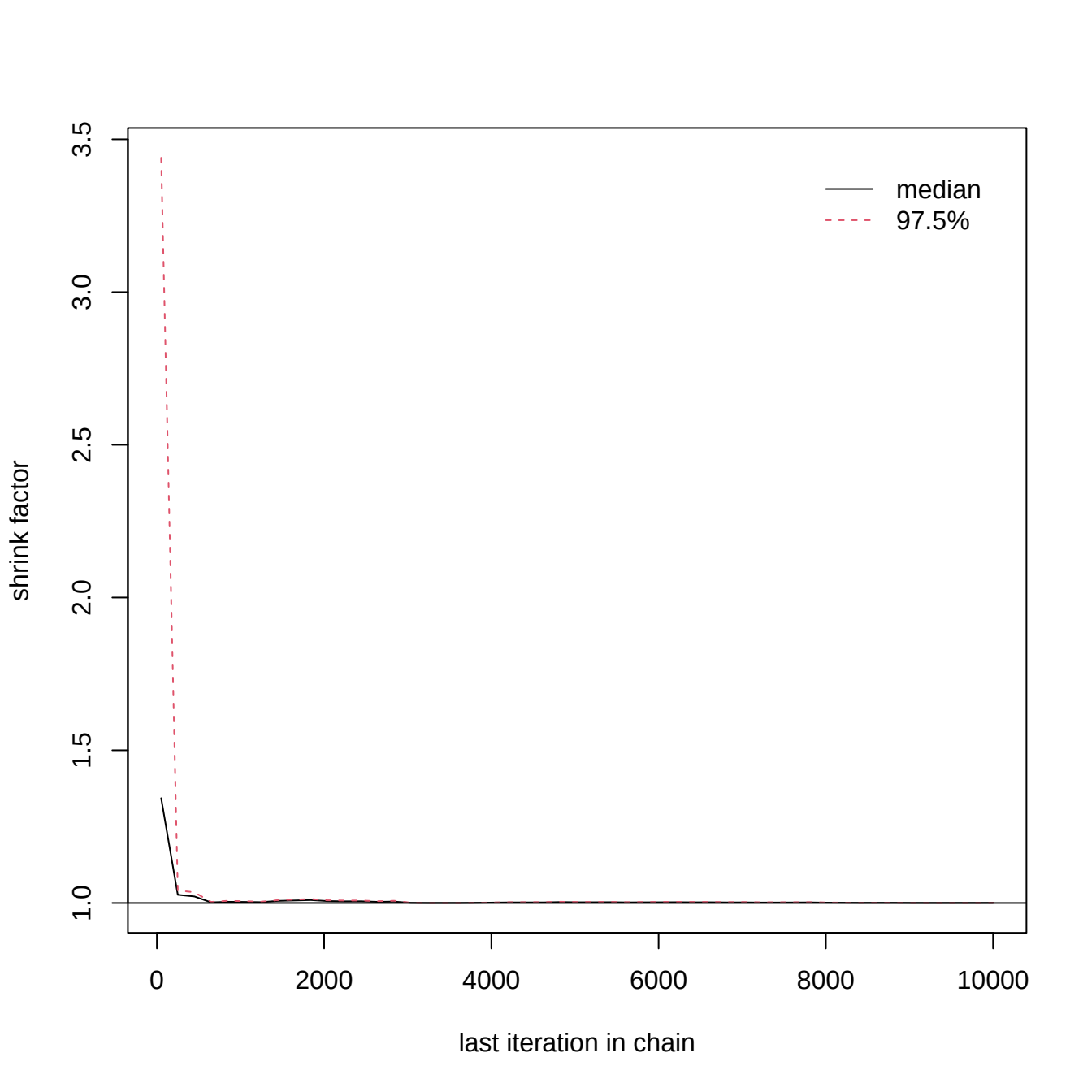
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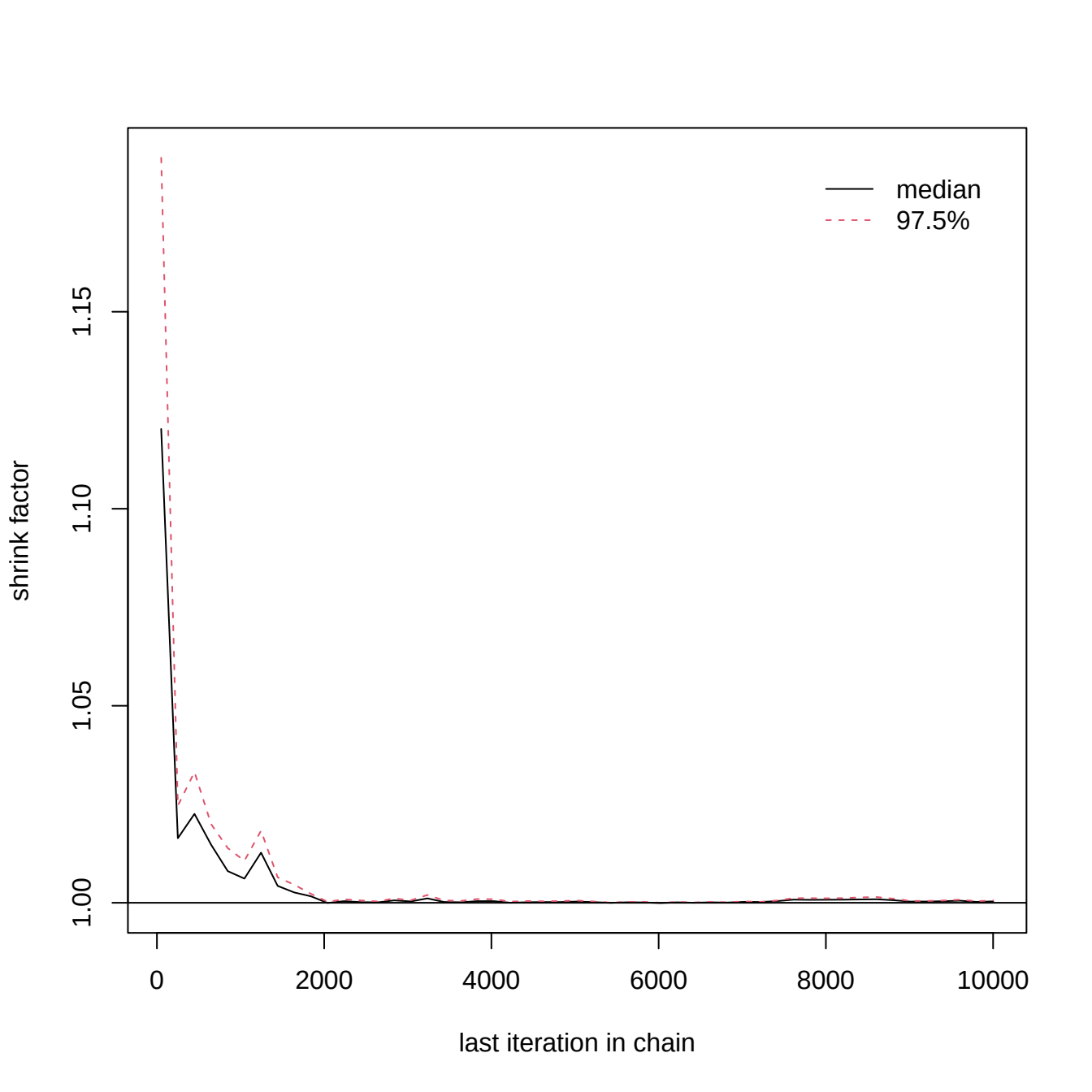
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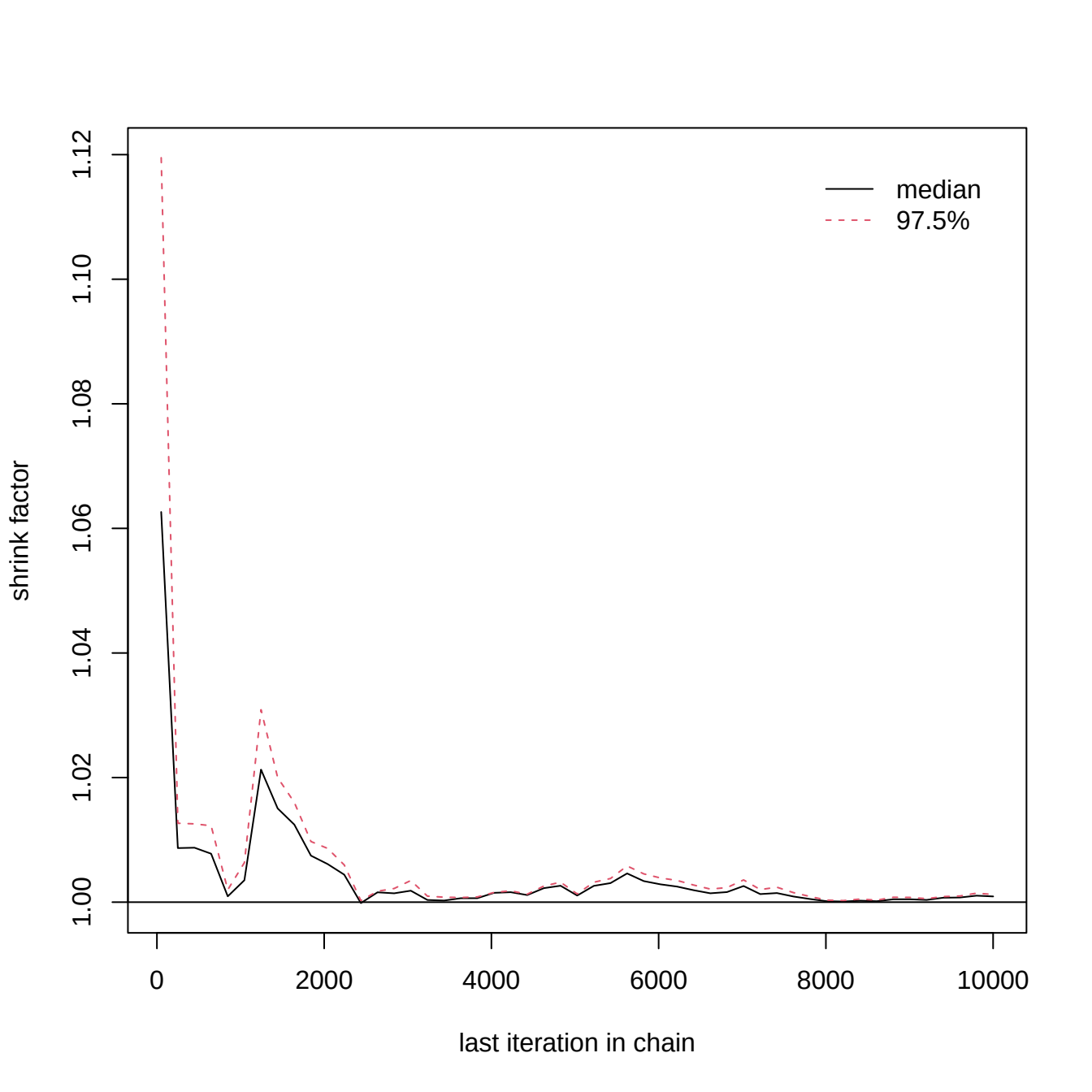
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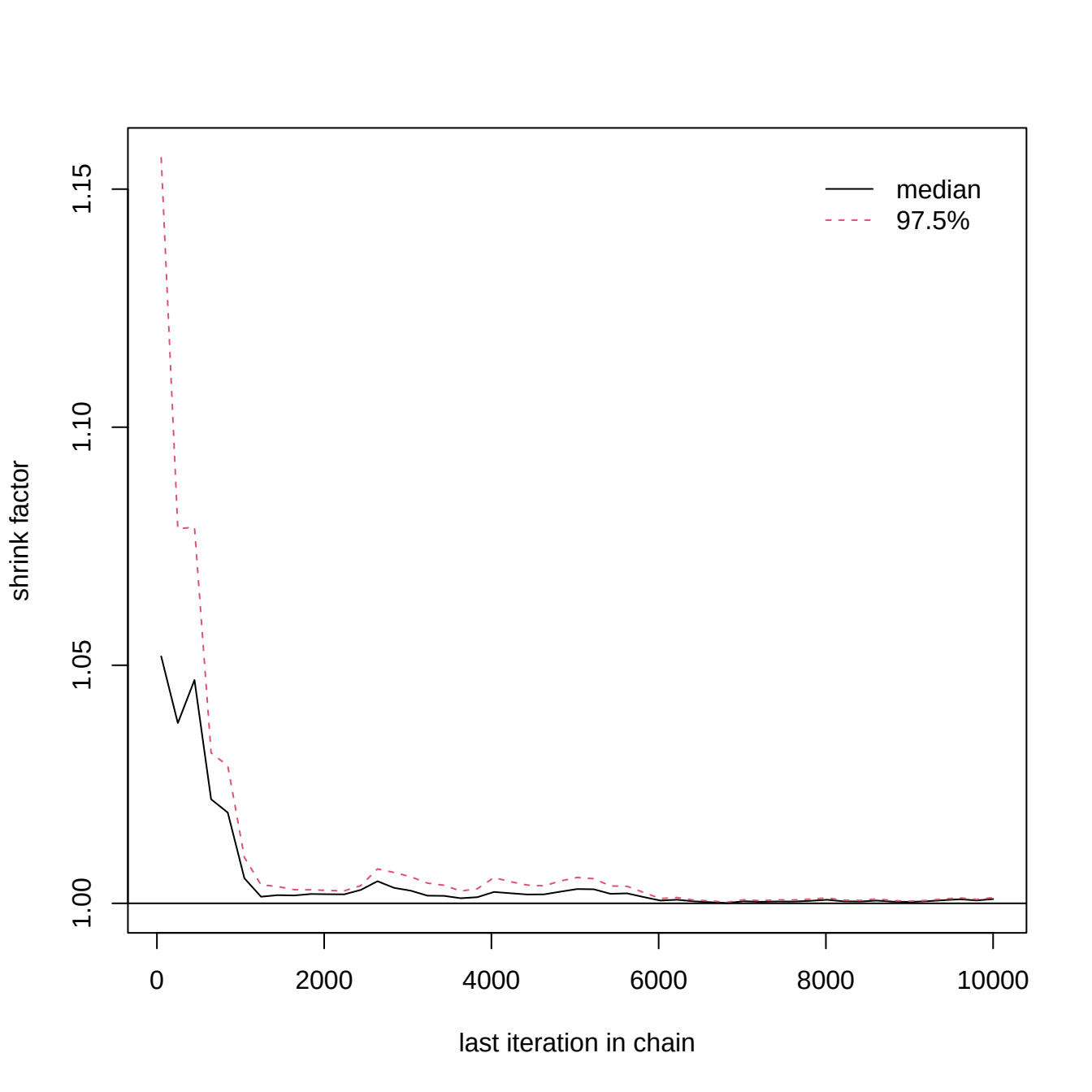
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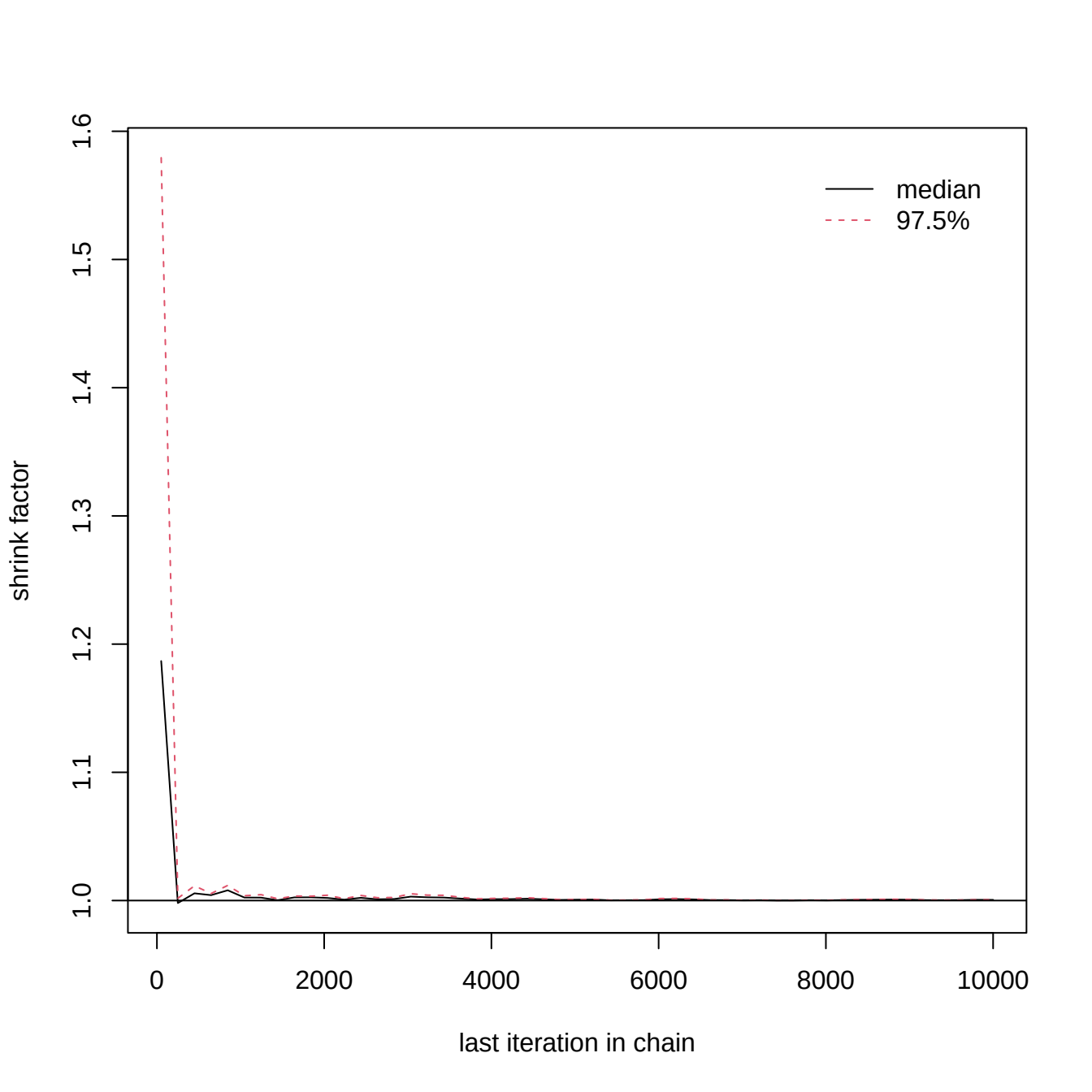
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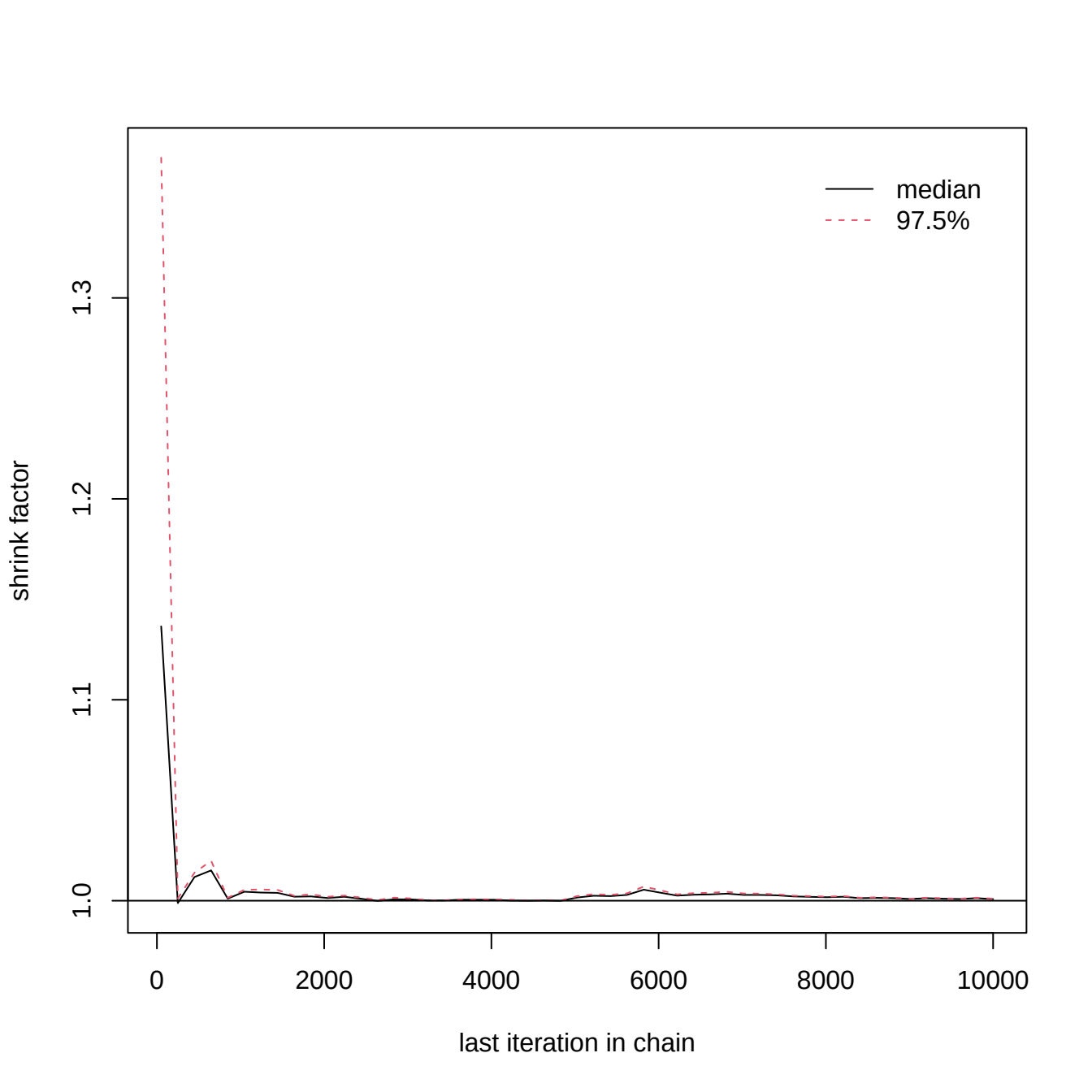
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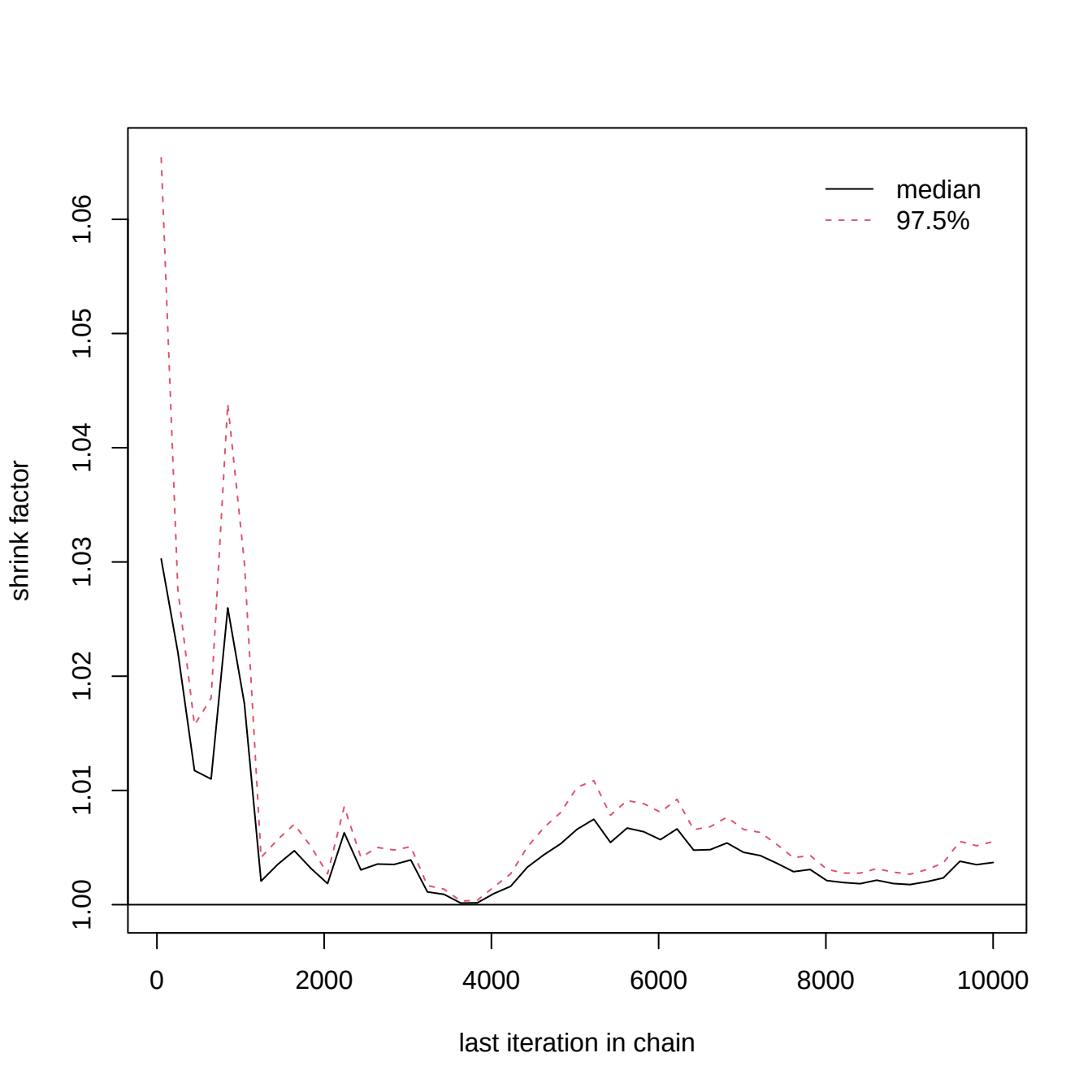
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