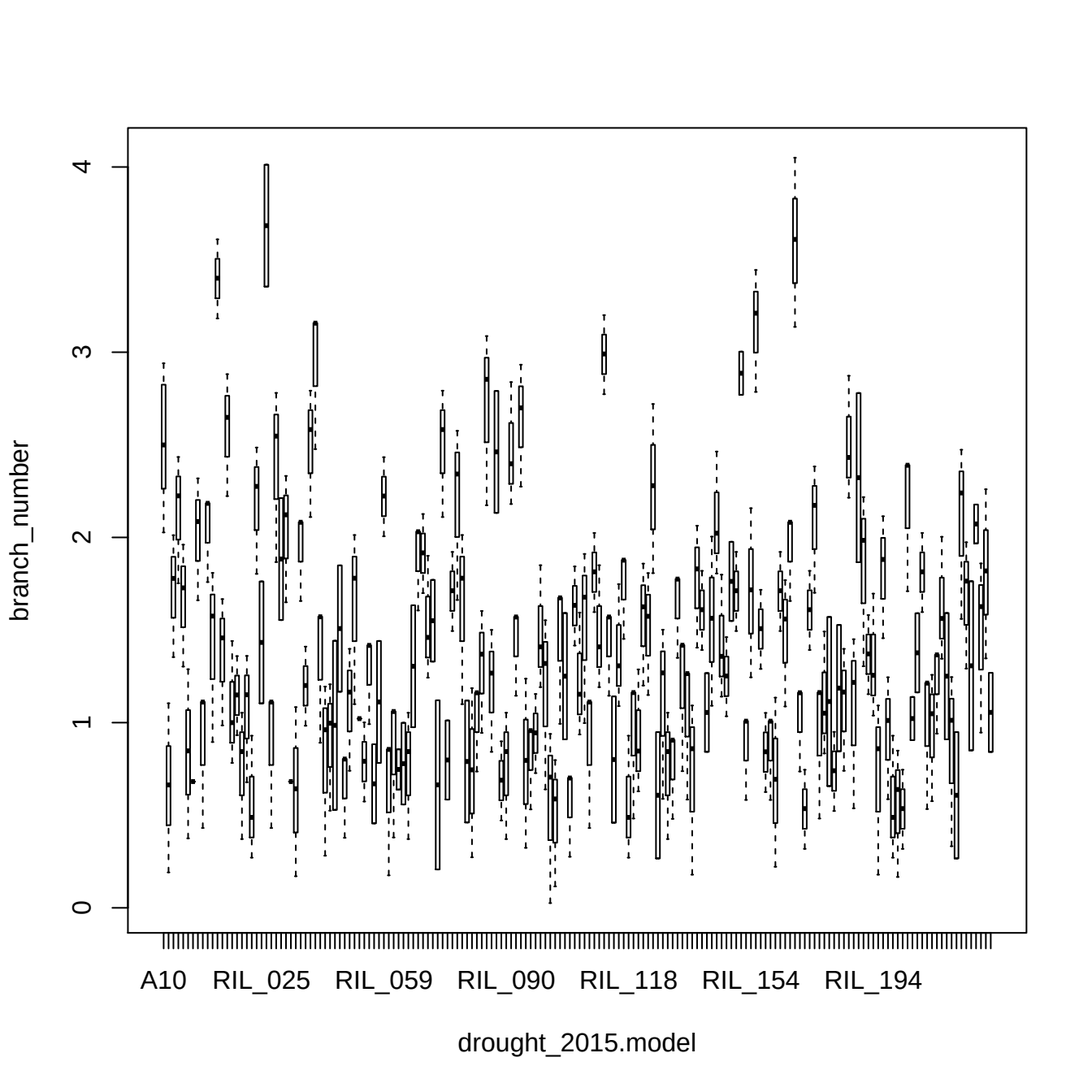
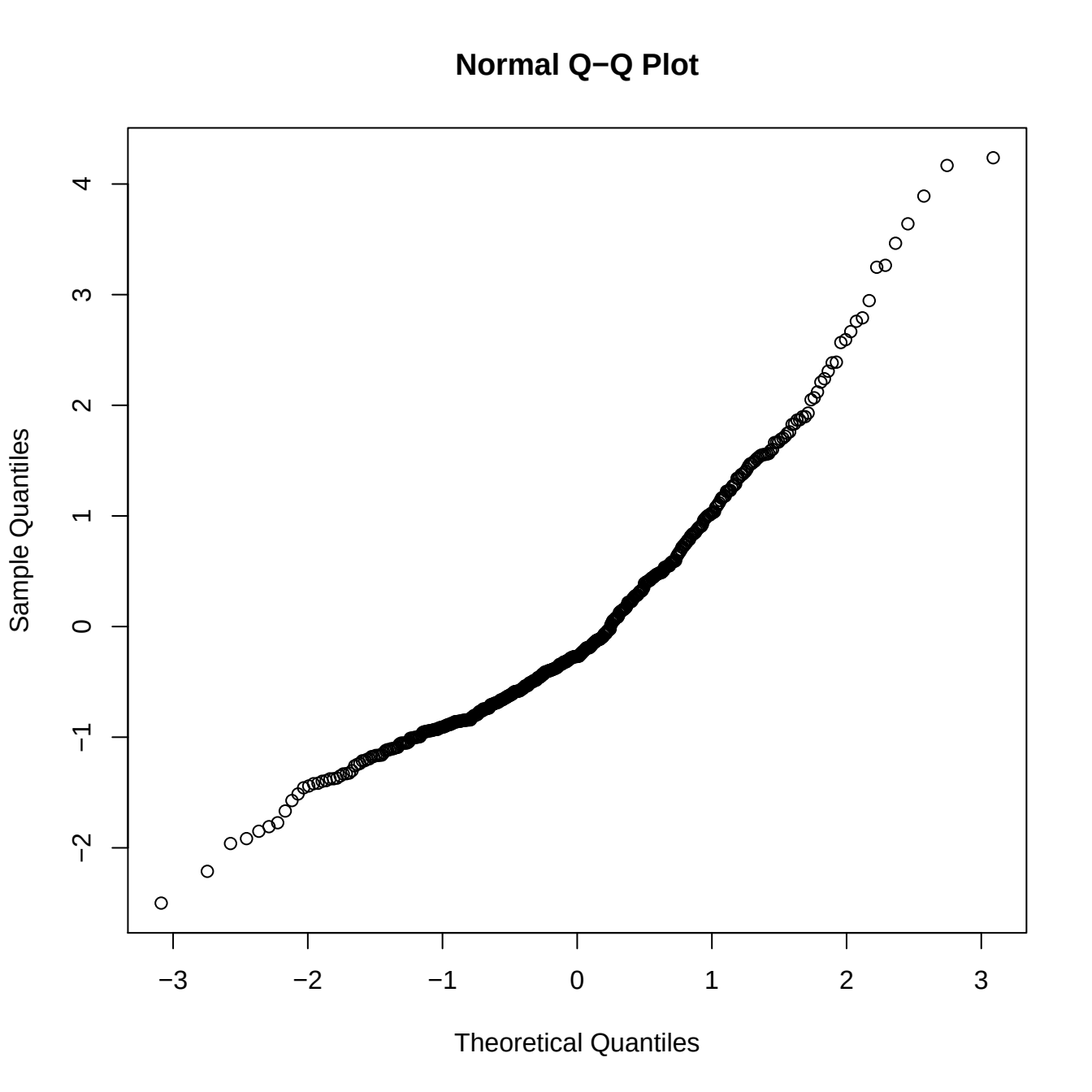
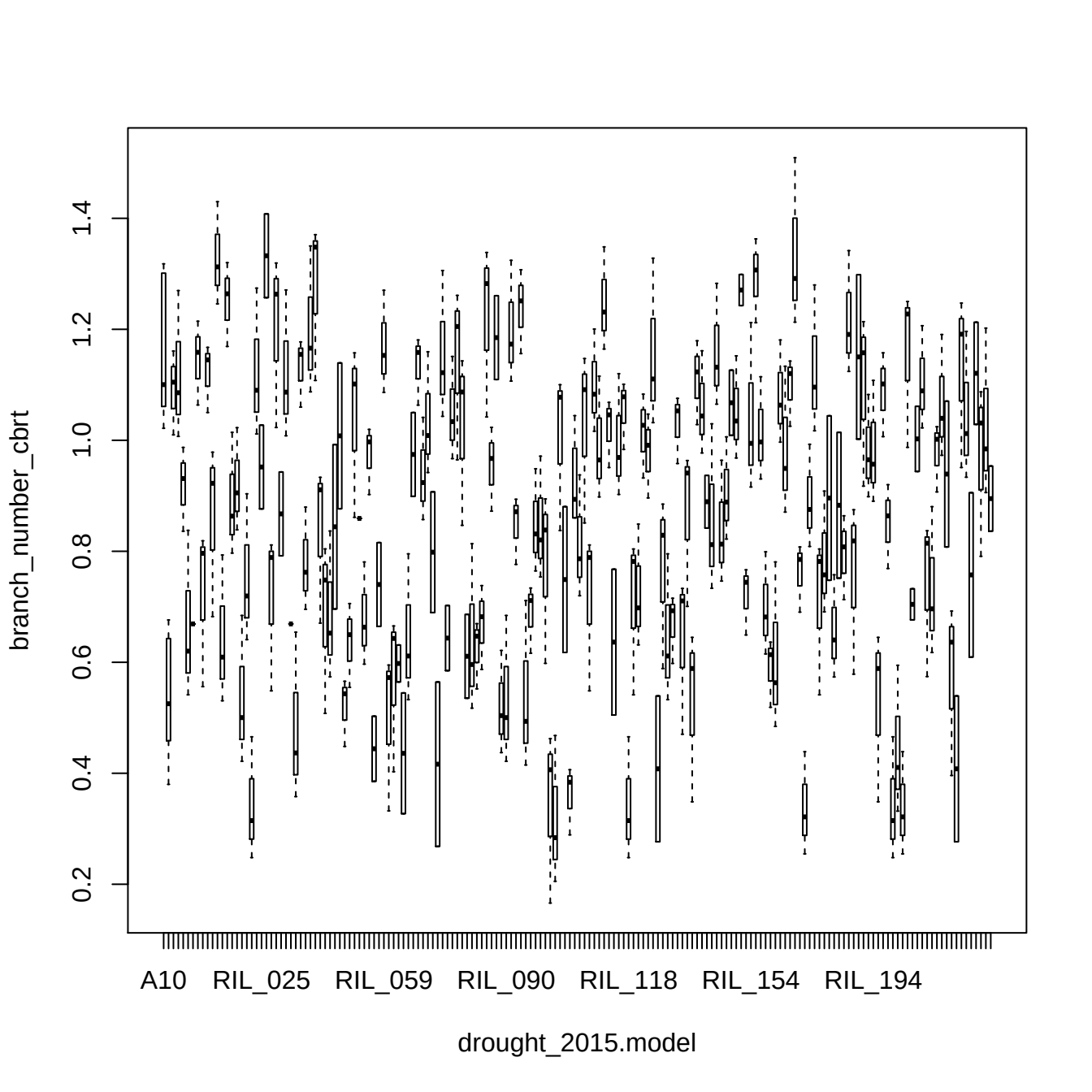
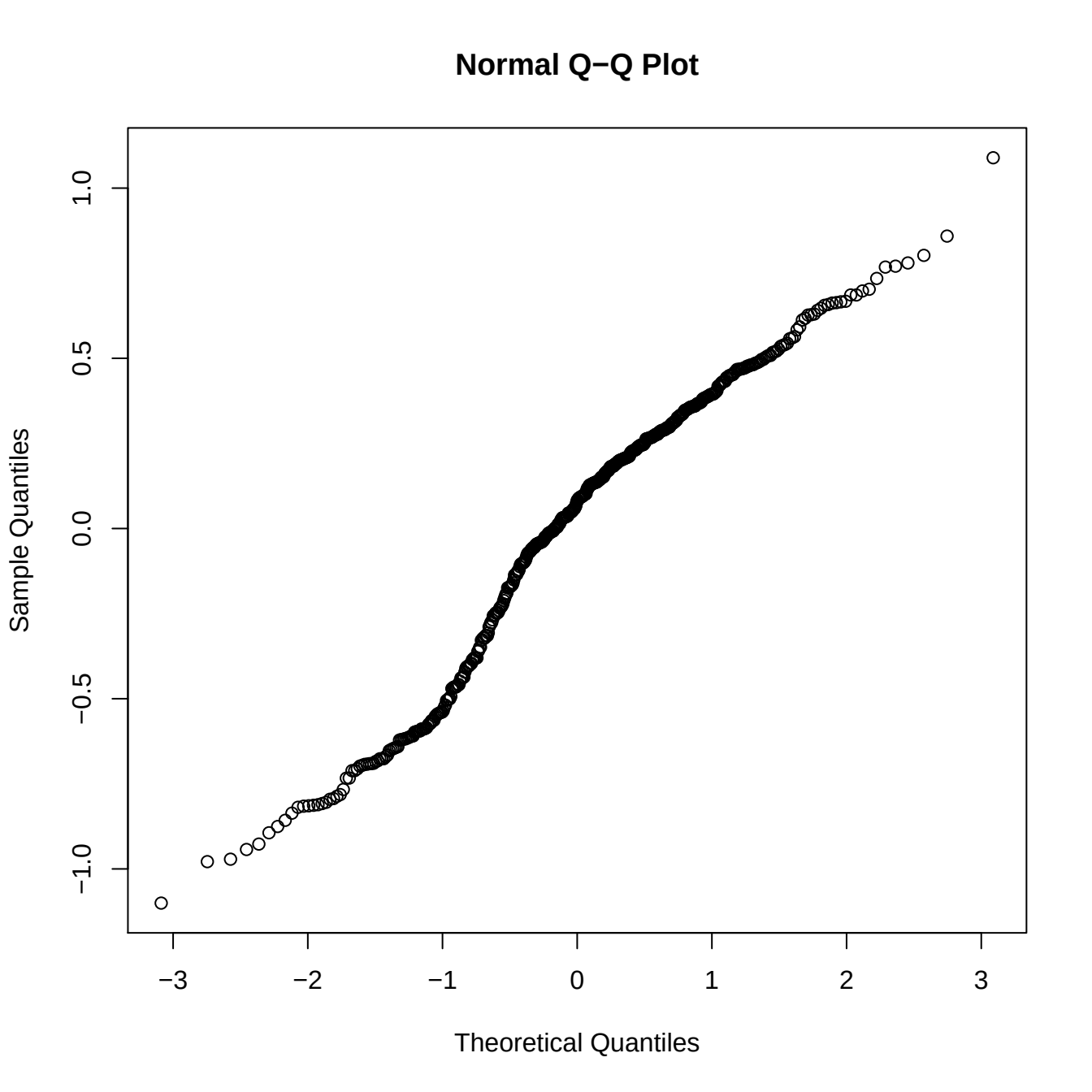
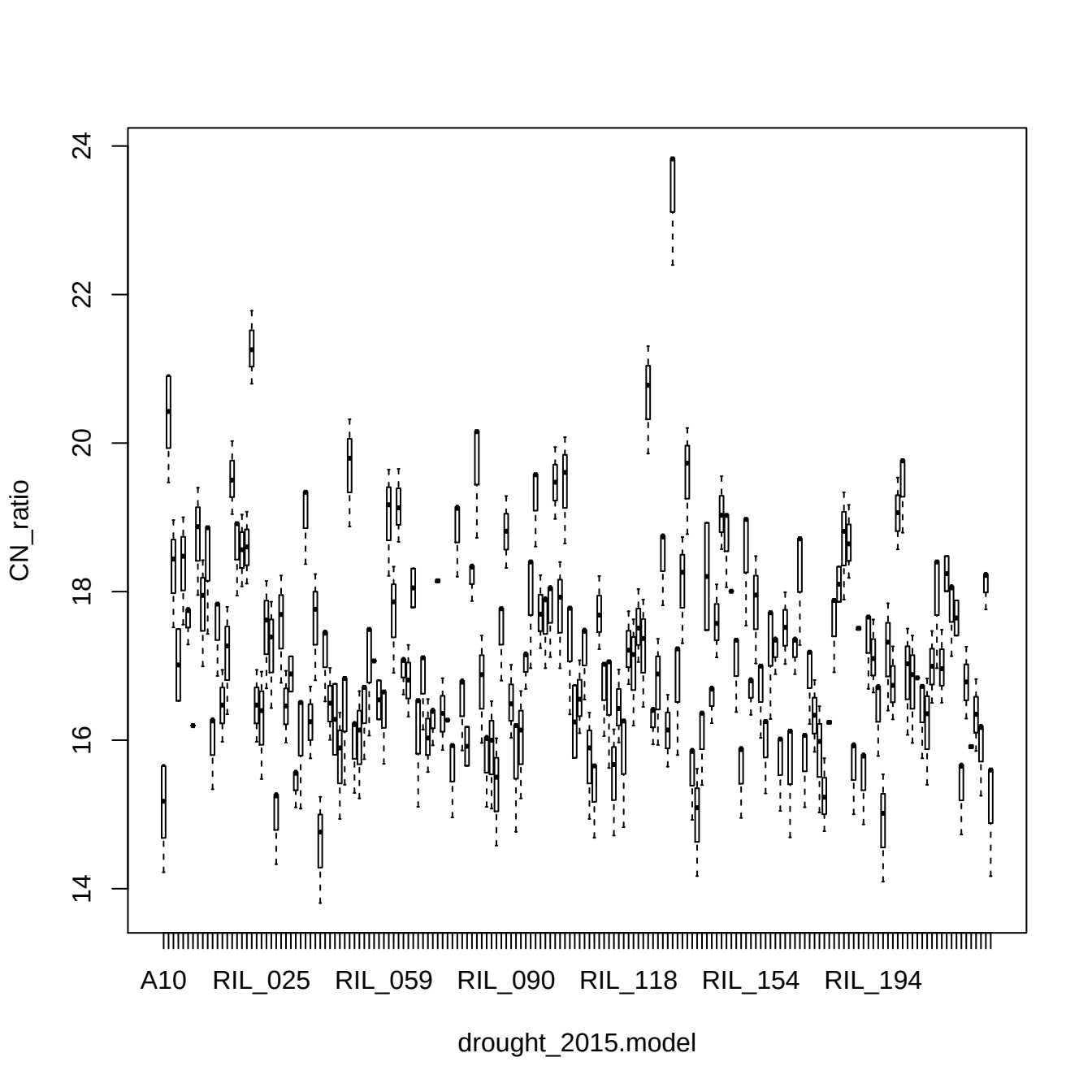
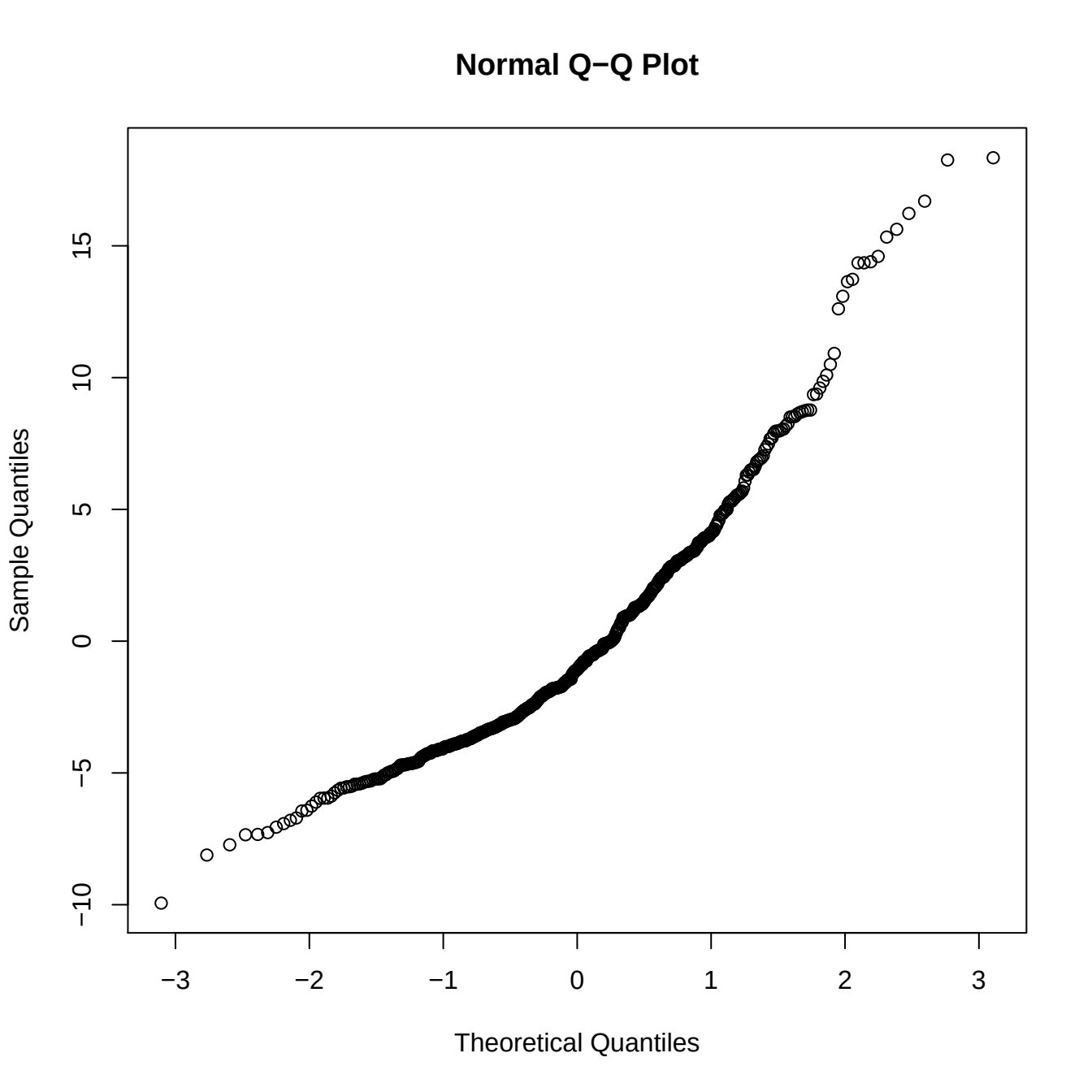

branch_number
0
1
2
3
4
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

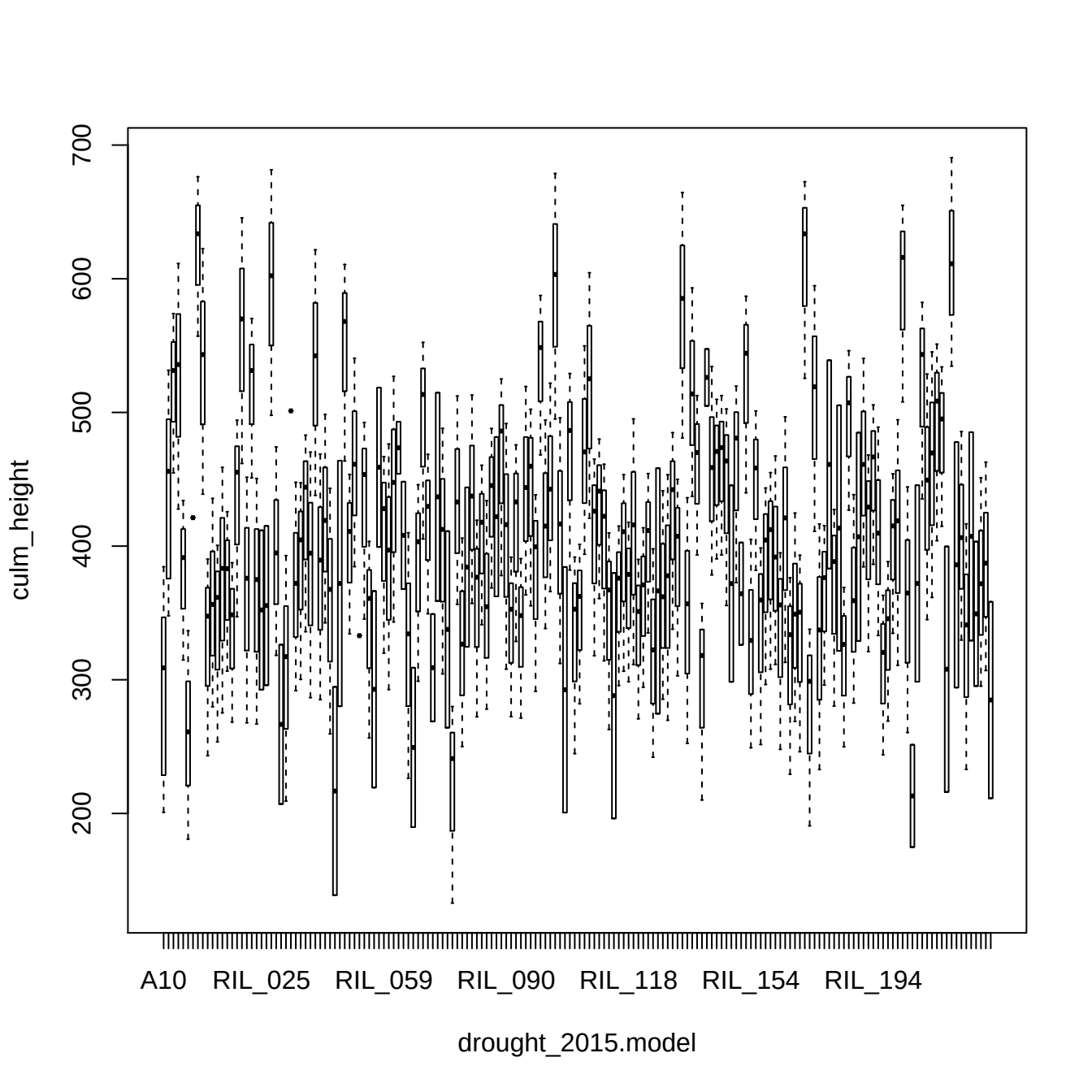

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−3
−2
−1
0
1
2
3
4

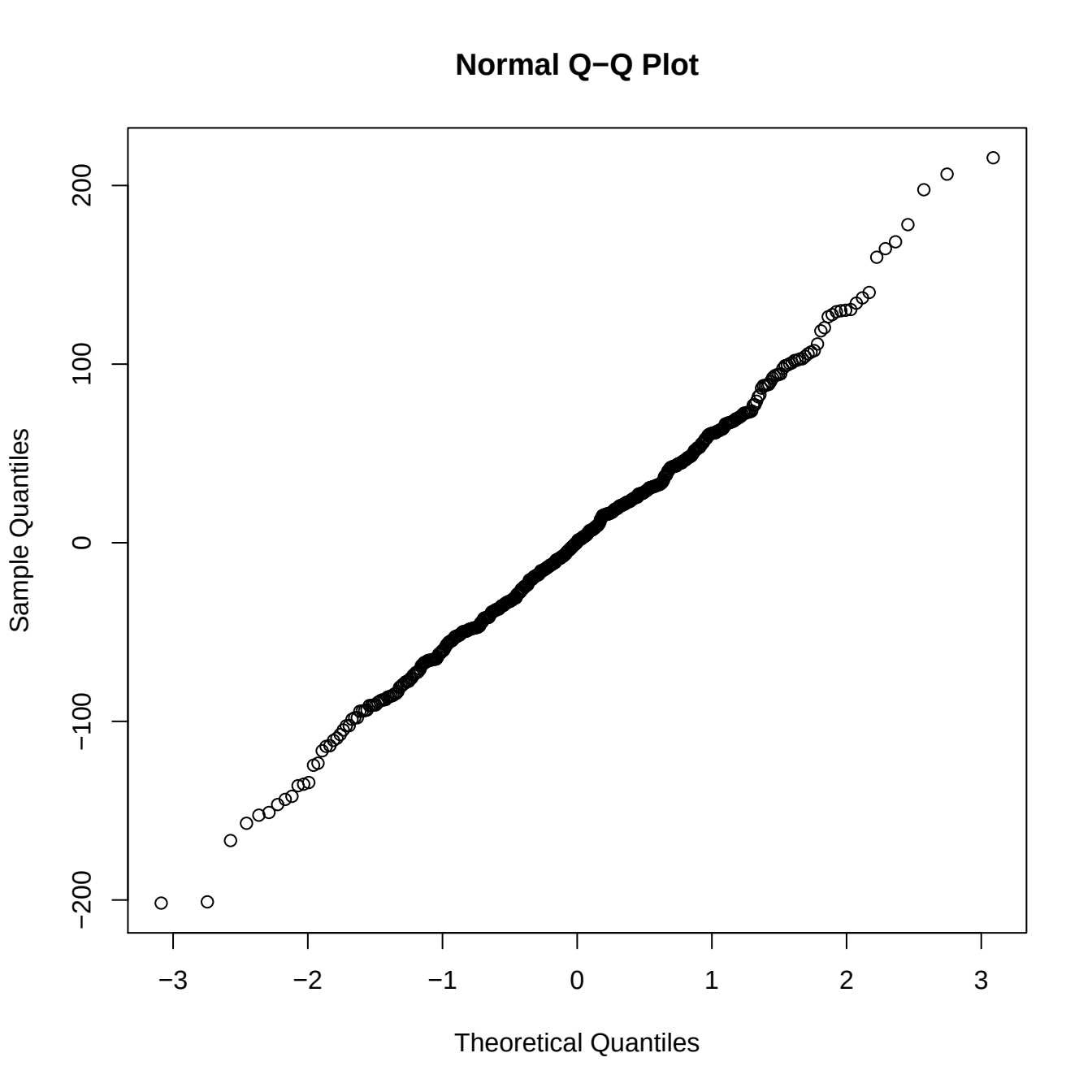

branch_number_cbrt
0.2
0.4
0.6
0.8
1.0
1.2
1.4
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

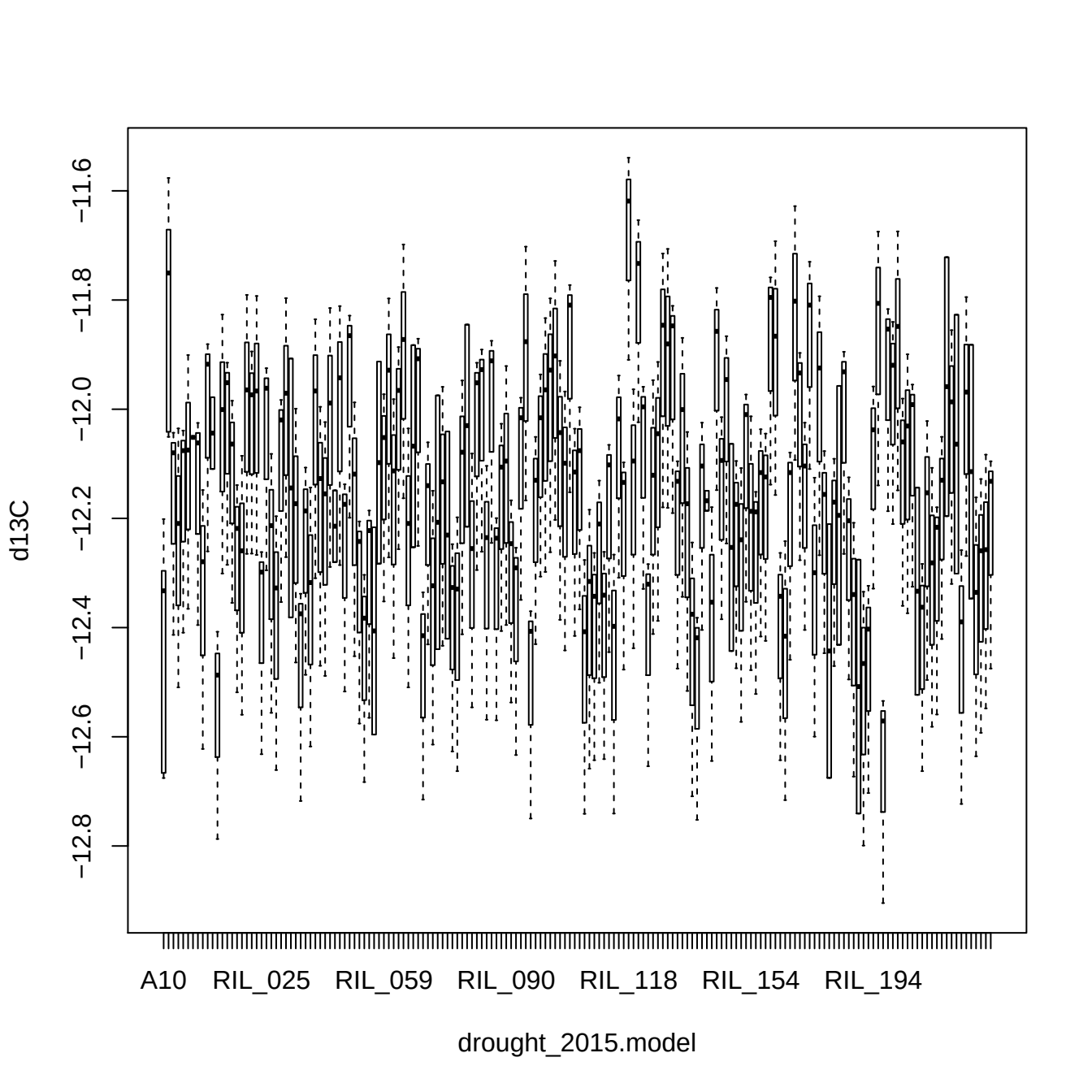

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−1.0
−3
−2
−1
0
1
2
3

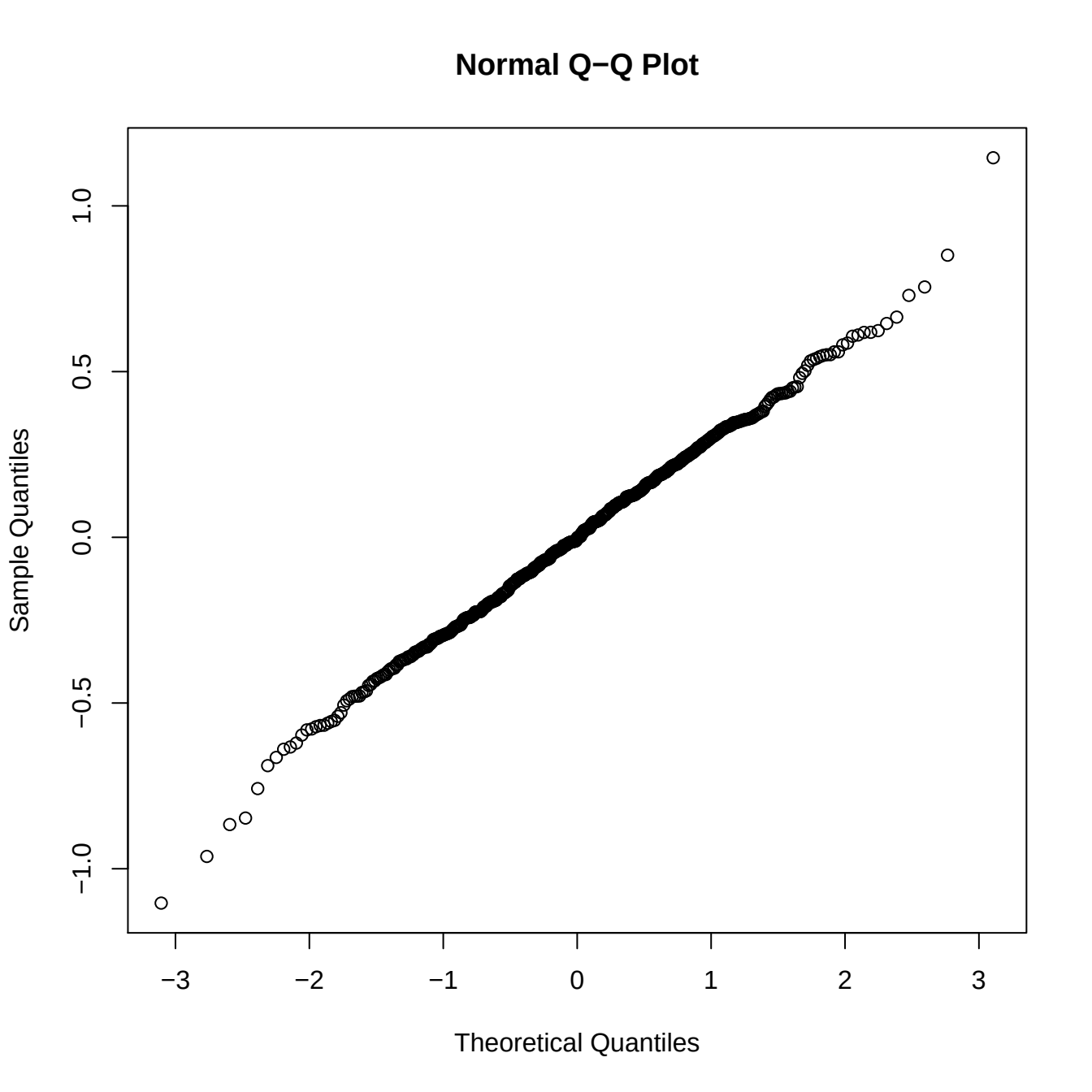

CN_ratio
14
16
18
20
22
24
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

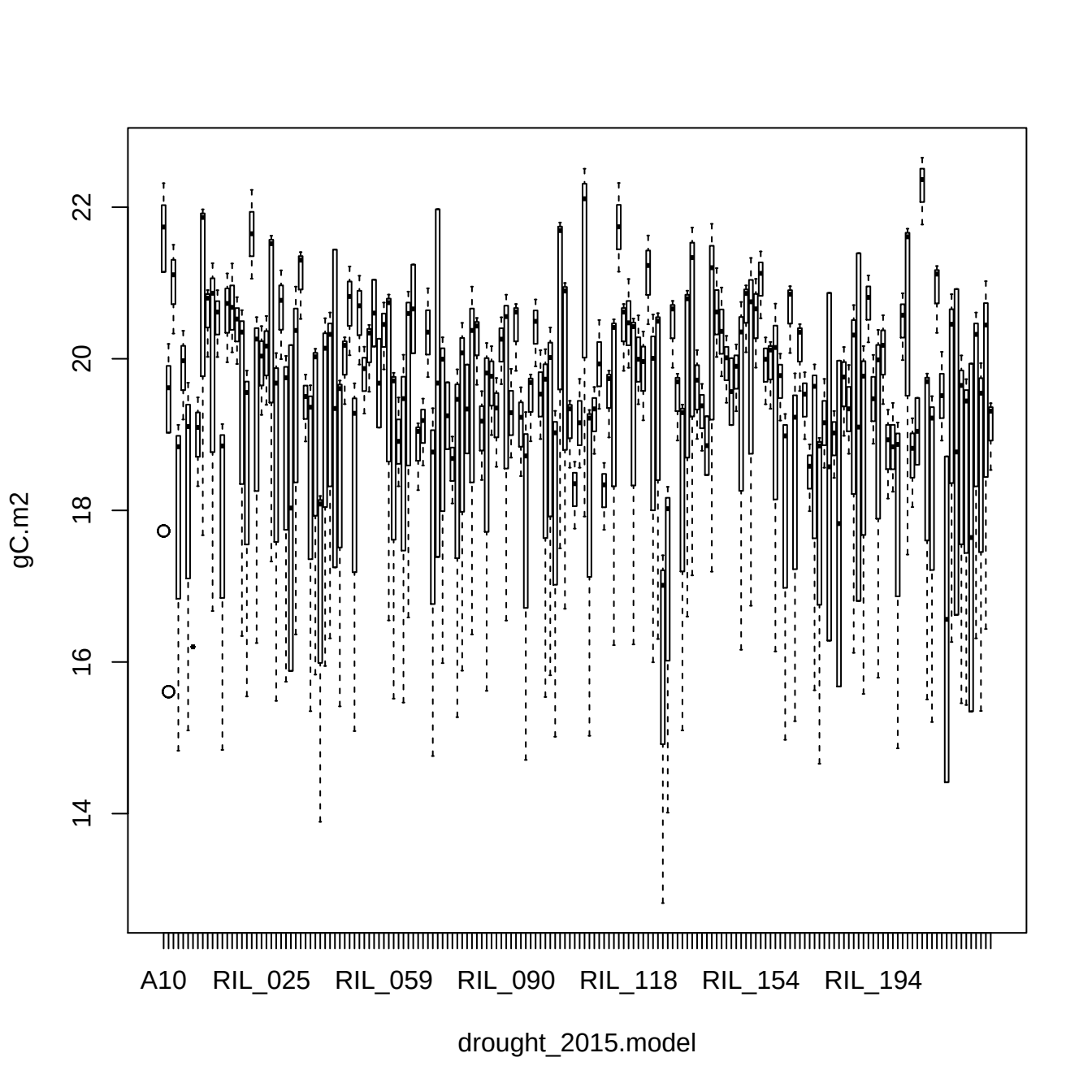

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−10
−5
0
5
10
15
−3
−2
−1
0
1
2
3

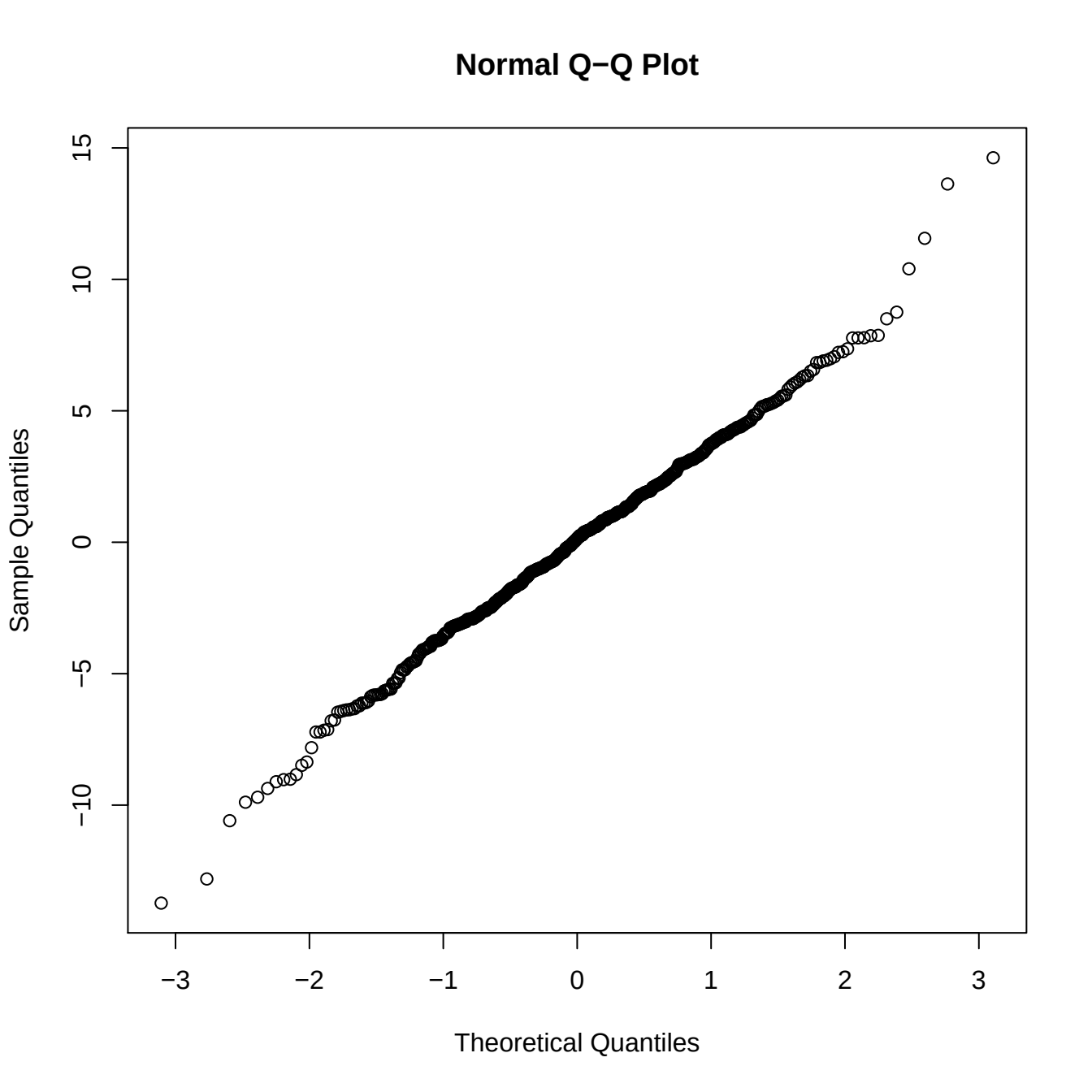

culm_height
700
600
500
400
300
200
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

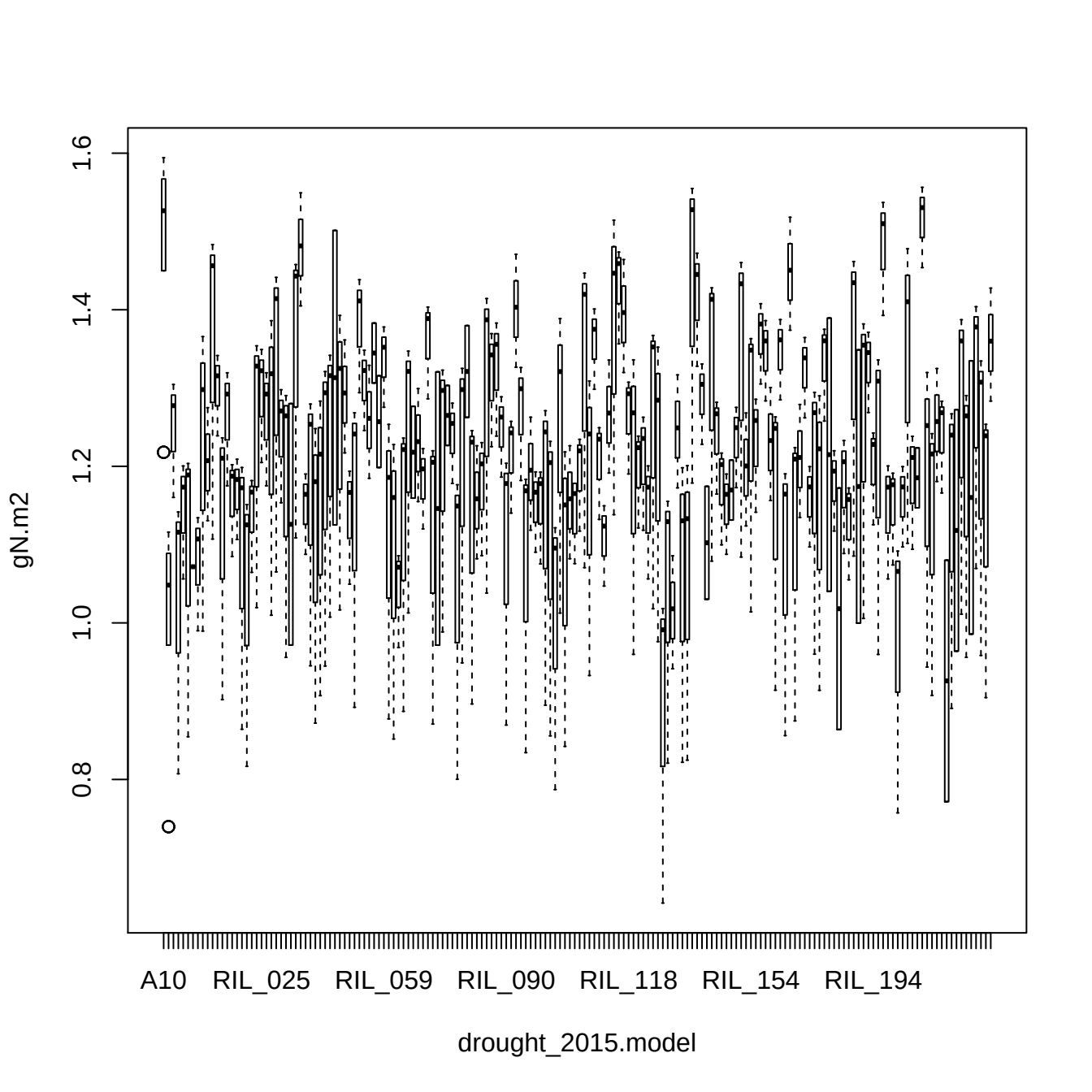

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
200
100
0
−100
−200
−3
−2
−1
0
1
2
3

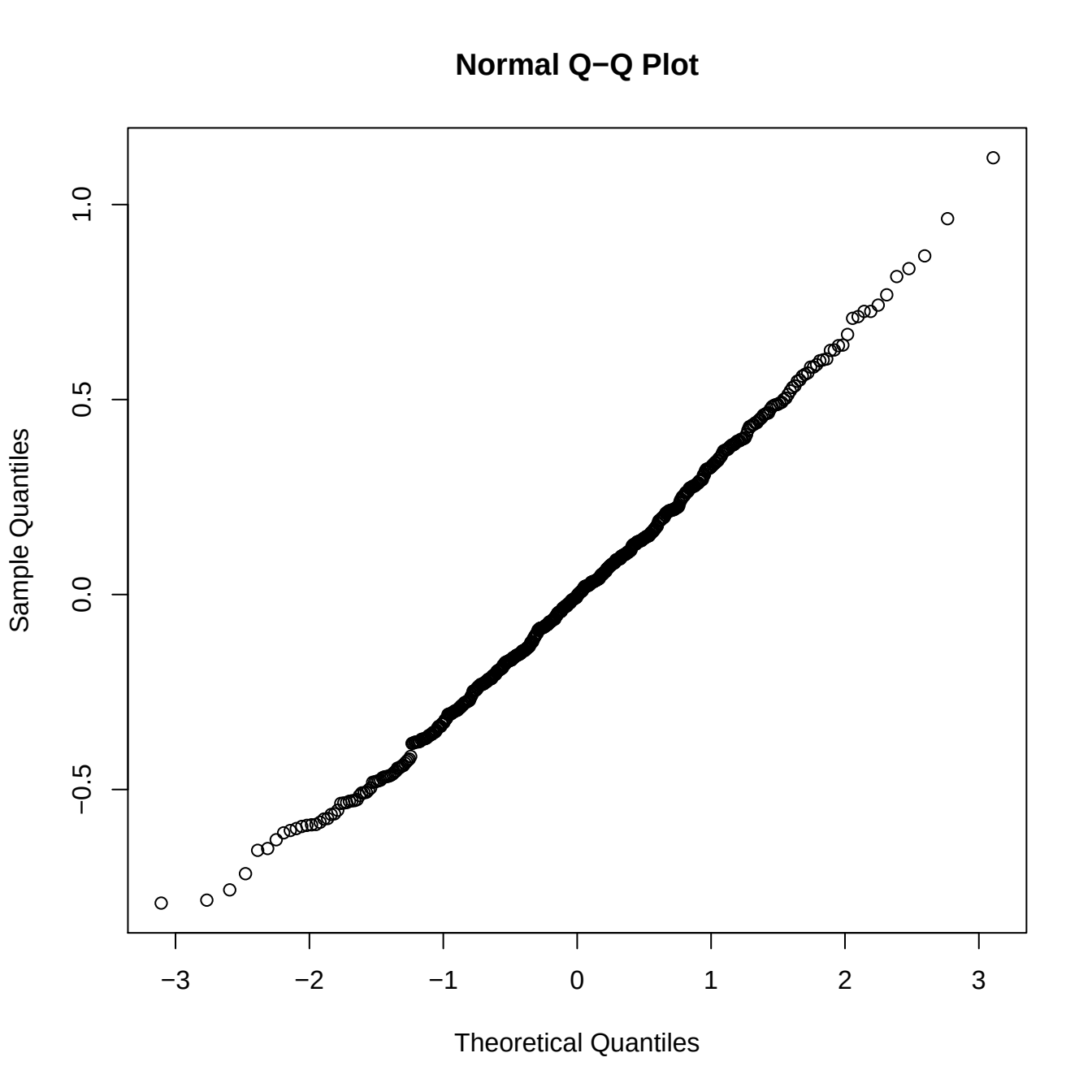

d13C
−11.6
−11.8
−12.0
−12.2
−12.4
−12.6
−12.8
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

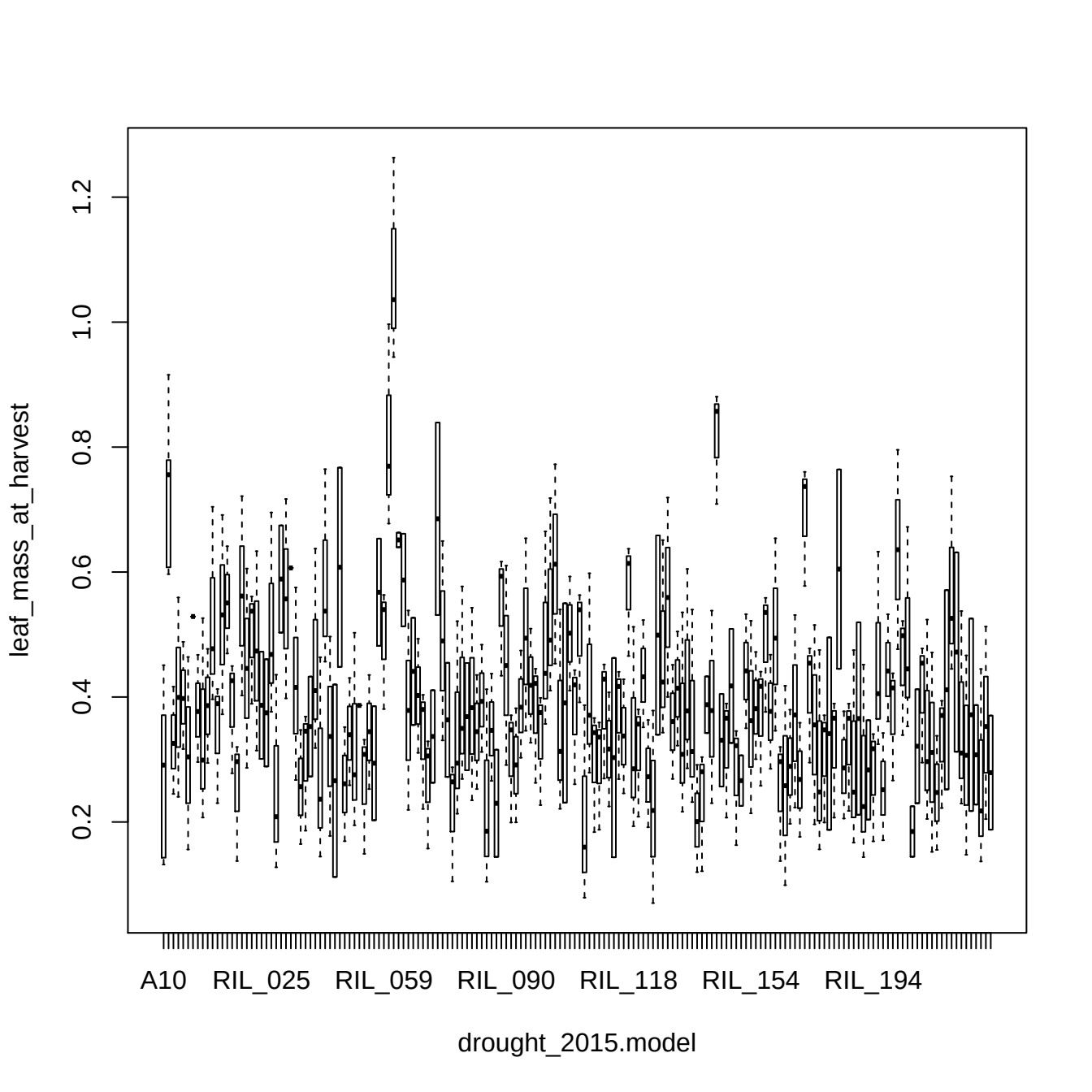

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−1.0
−3
−2
−1
0
1
2
3

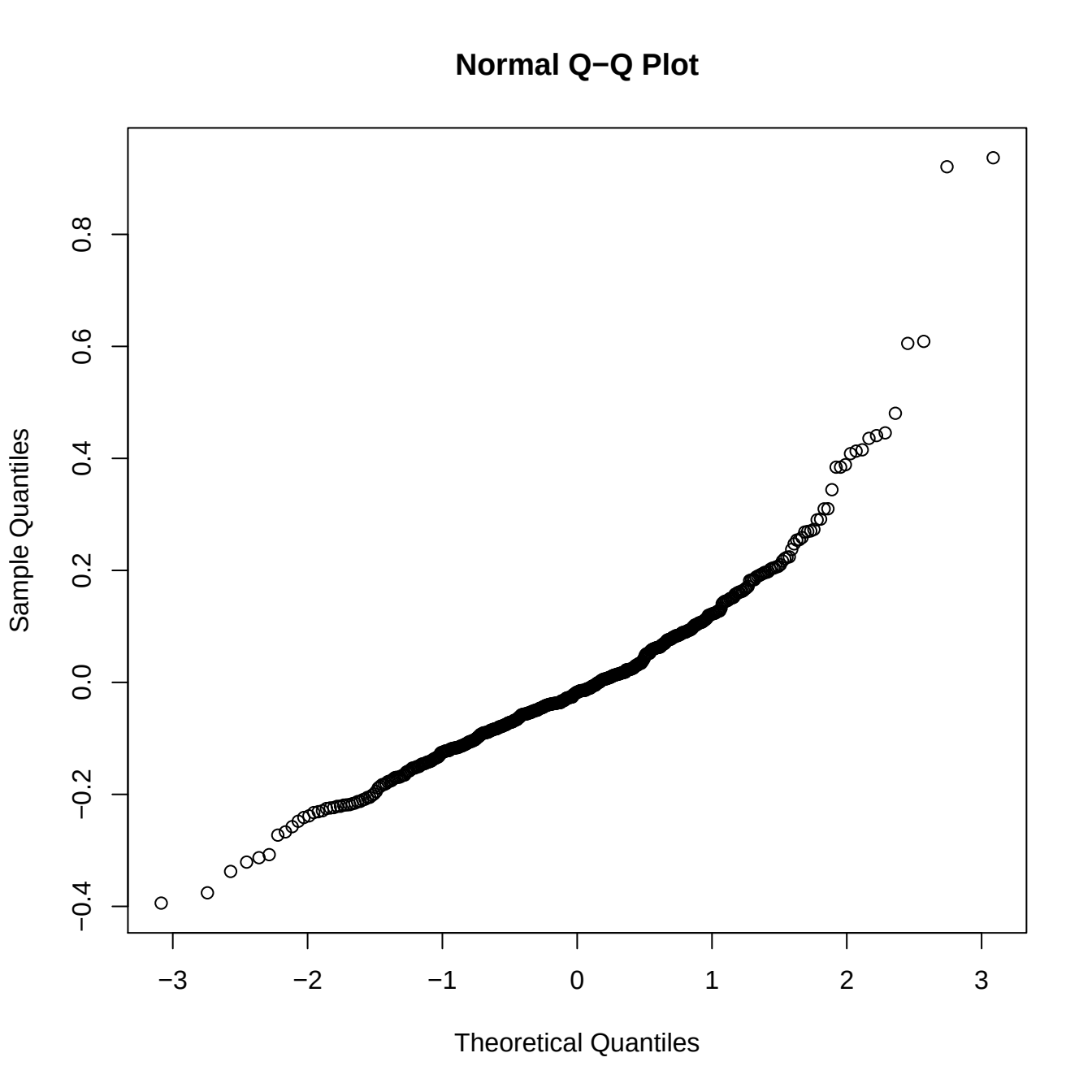

gC.m2
14
16
18
20
22
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

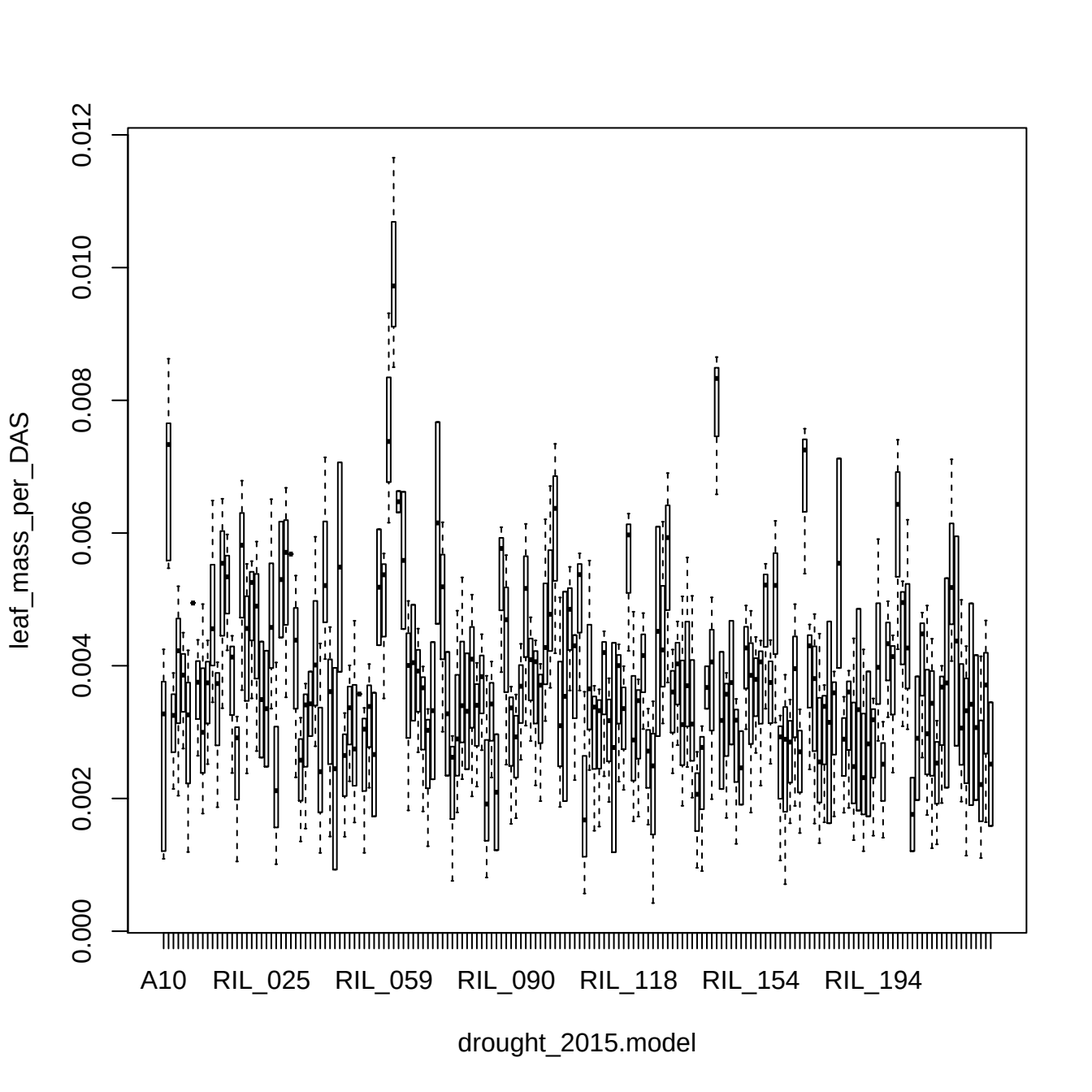

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
15
10
5
0
−5
−10
−3
−2
−1
0
1
2
3

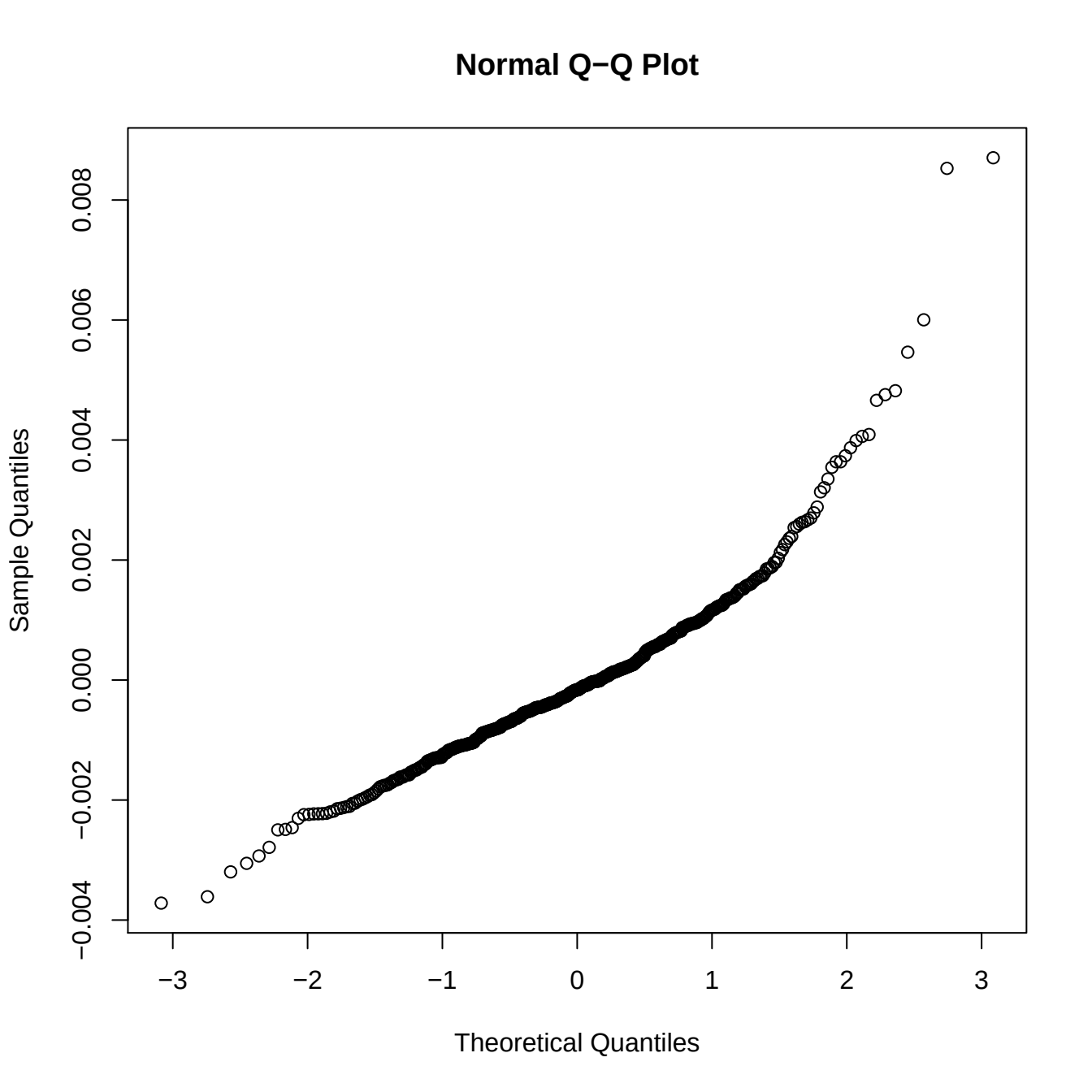

gN.m2
0.8
1.0
1.2
1.4
1.6
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

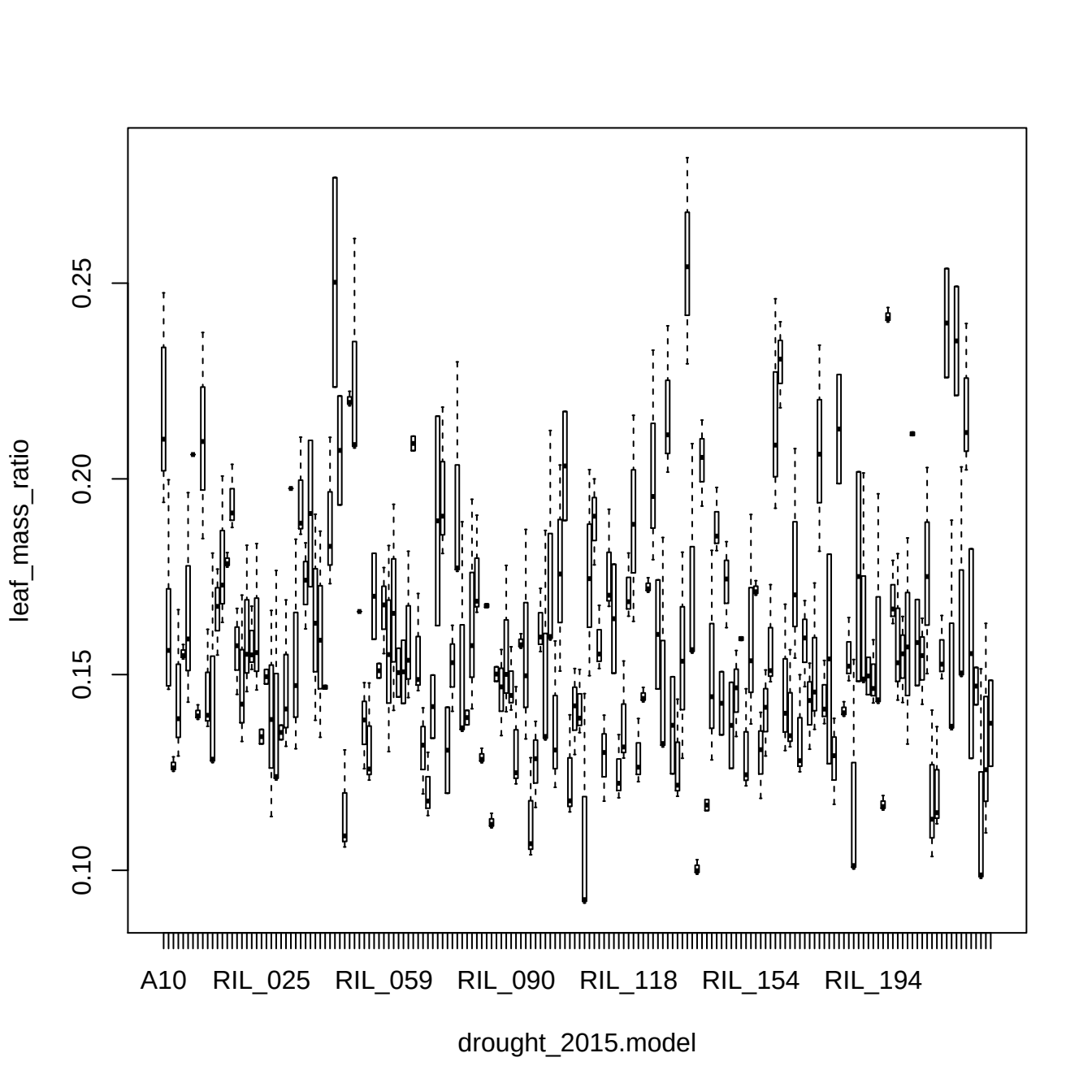

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−3
−2
−1
0
1
2
3

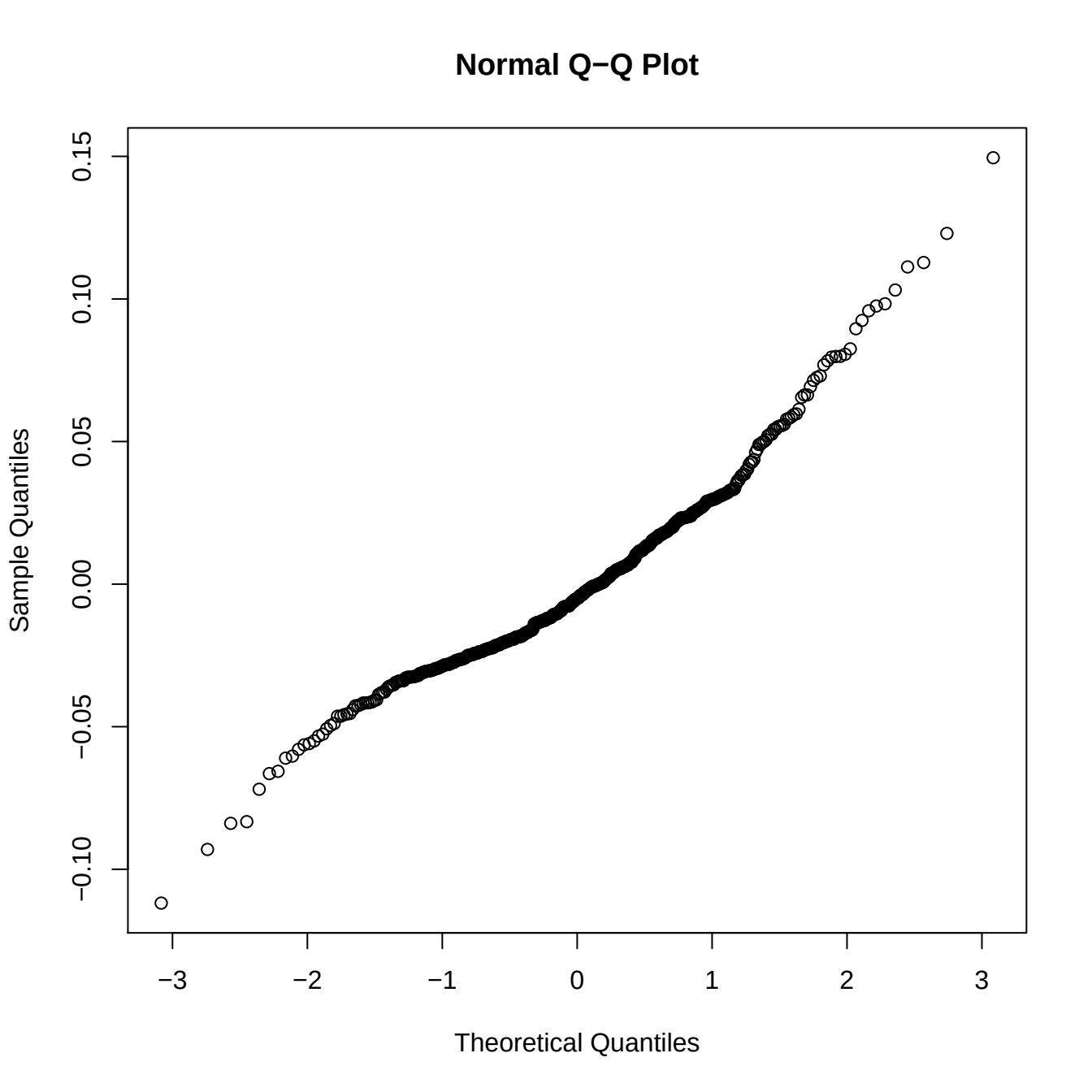

leaf_mass_at_harvest
0.2
0.4
0.6
0.8
1.0
1.2
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

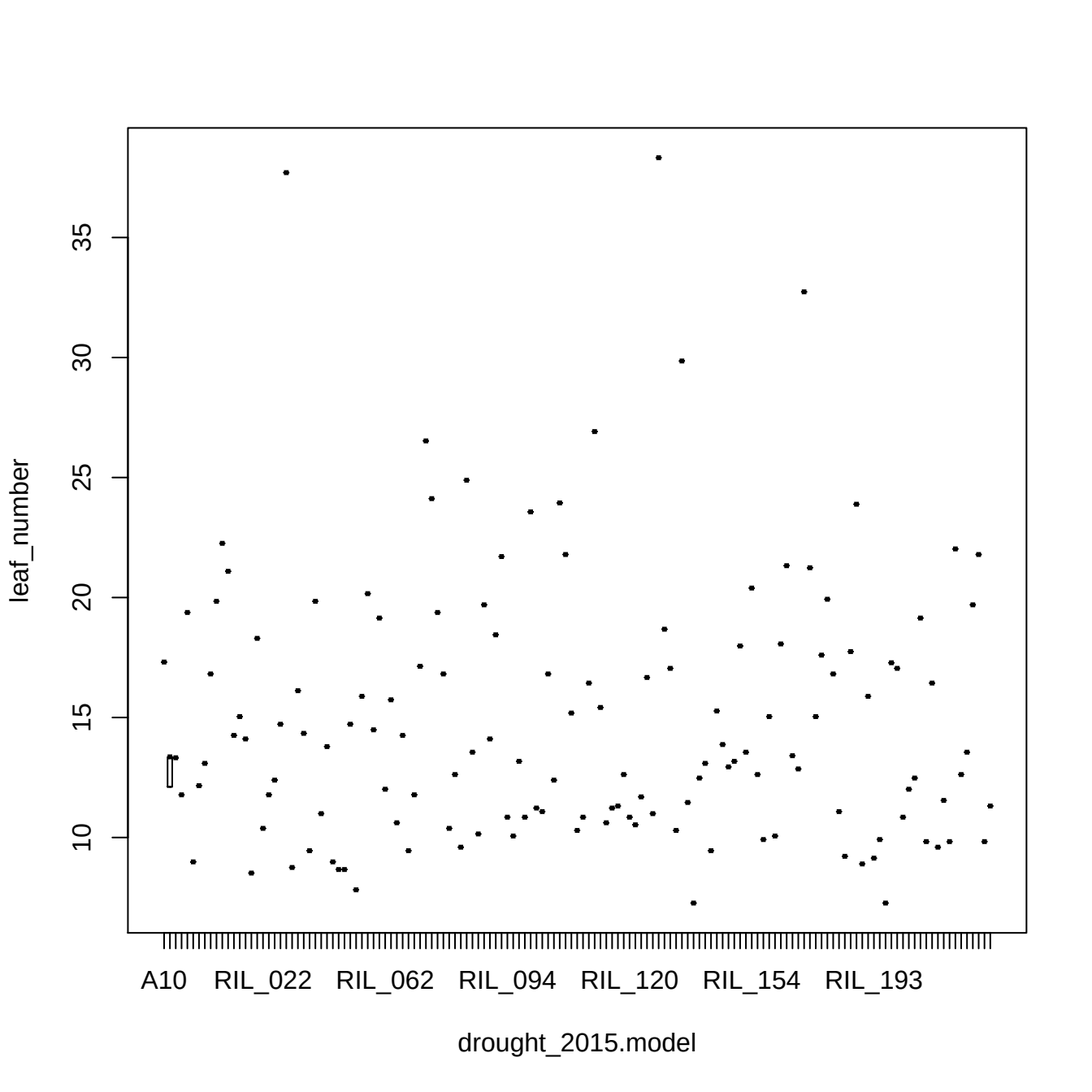

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8
−3
−2
−1
0
1
2
3

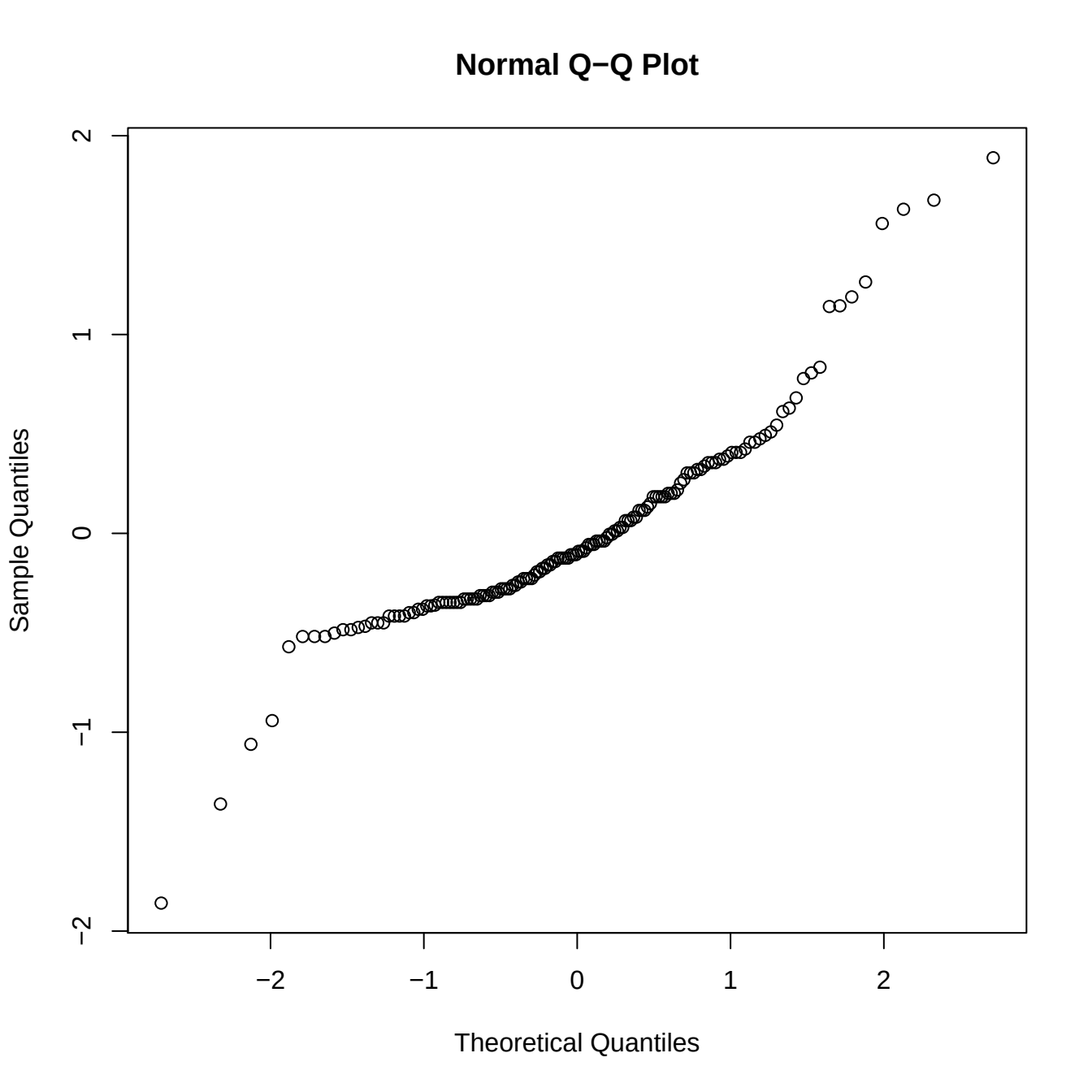

leaf_mass_per_DAS
0.000
0.002
0.004
0.006
0.008
0.010
0.012
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

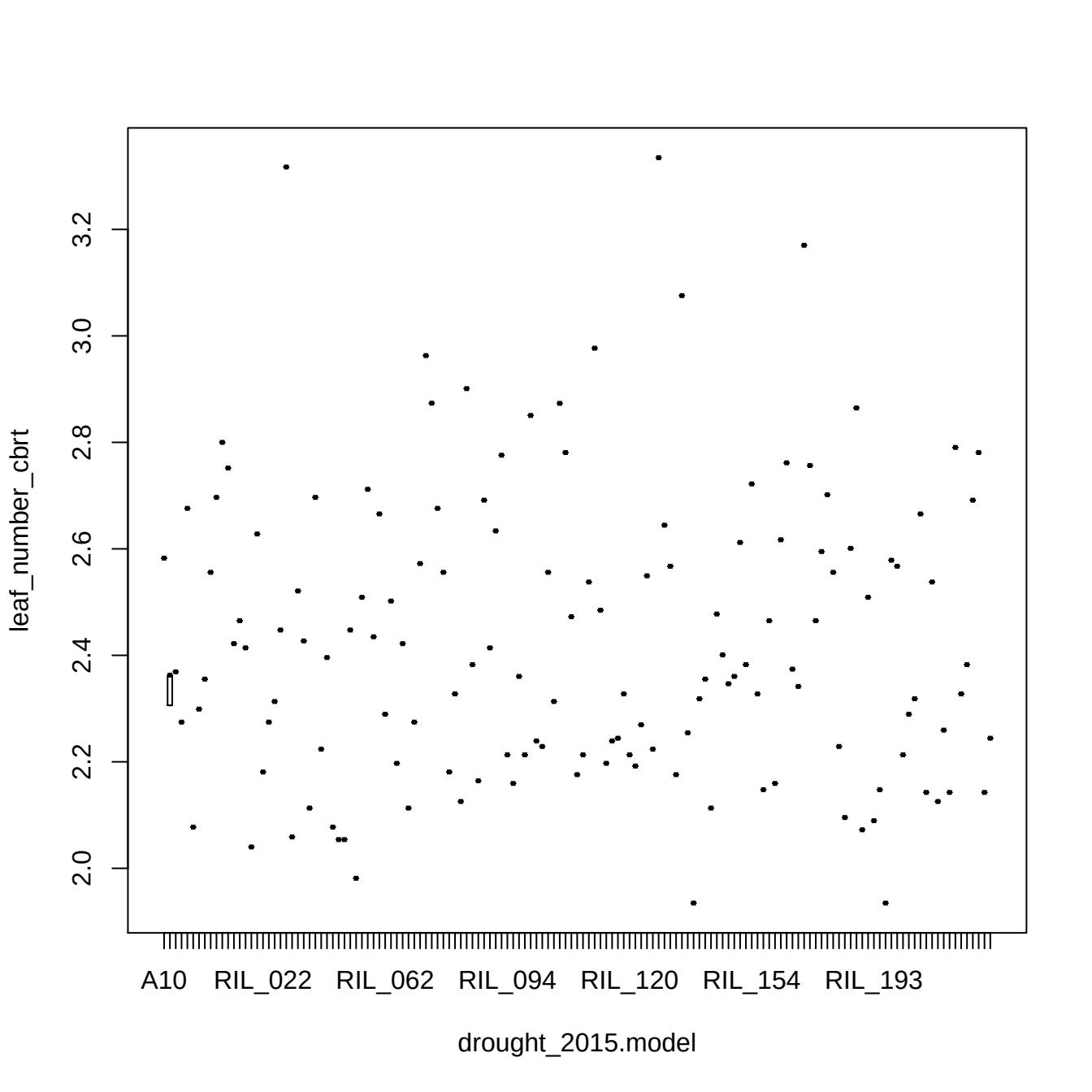

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.008
0.006
0.004
0.002
0.000
−0.002
−0.004
−3
−2
−1
0
1
2
3

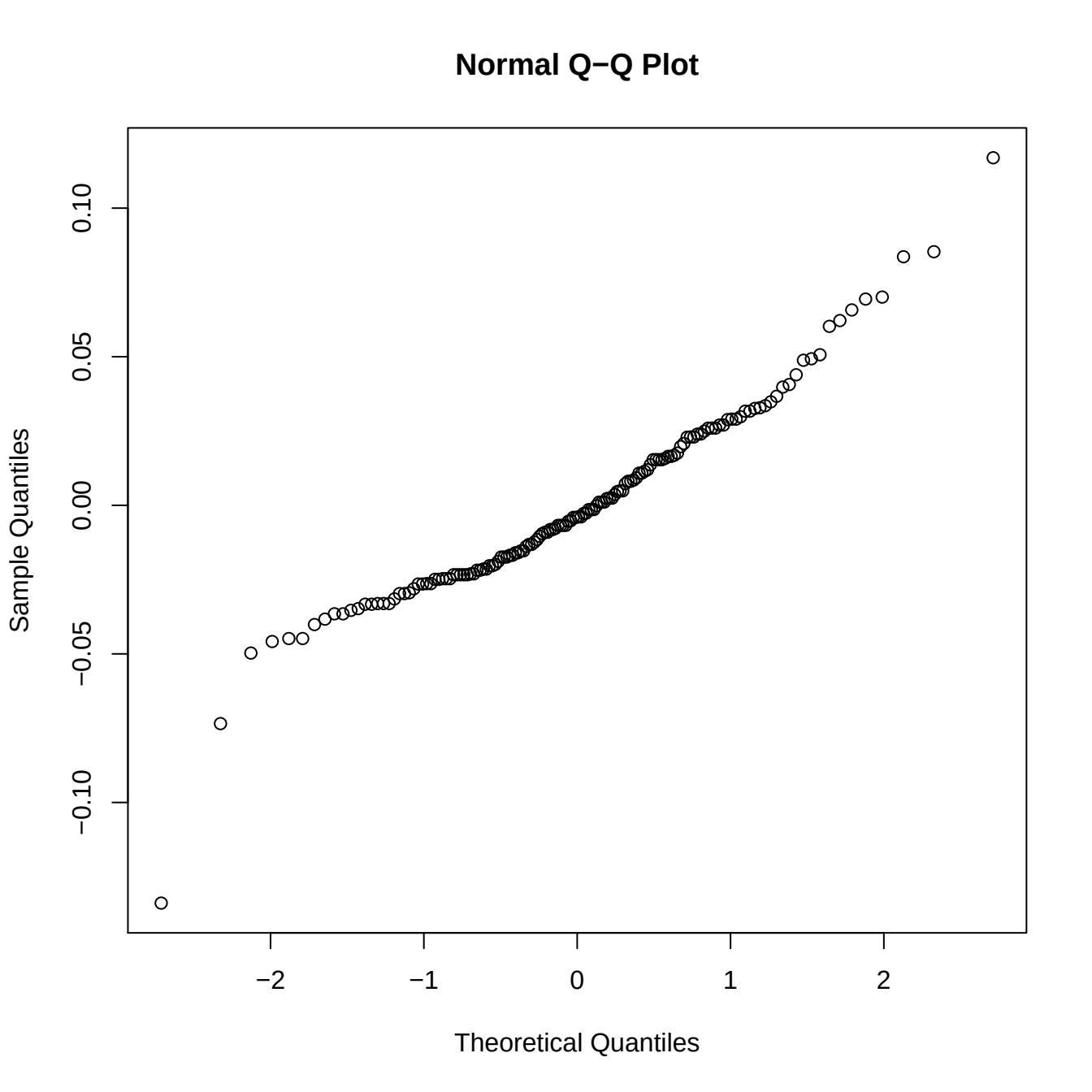

leaf_mass_ratio
0.10
0.15
0.20
0.25
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

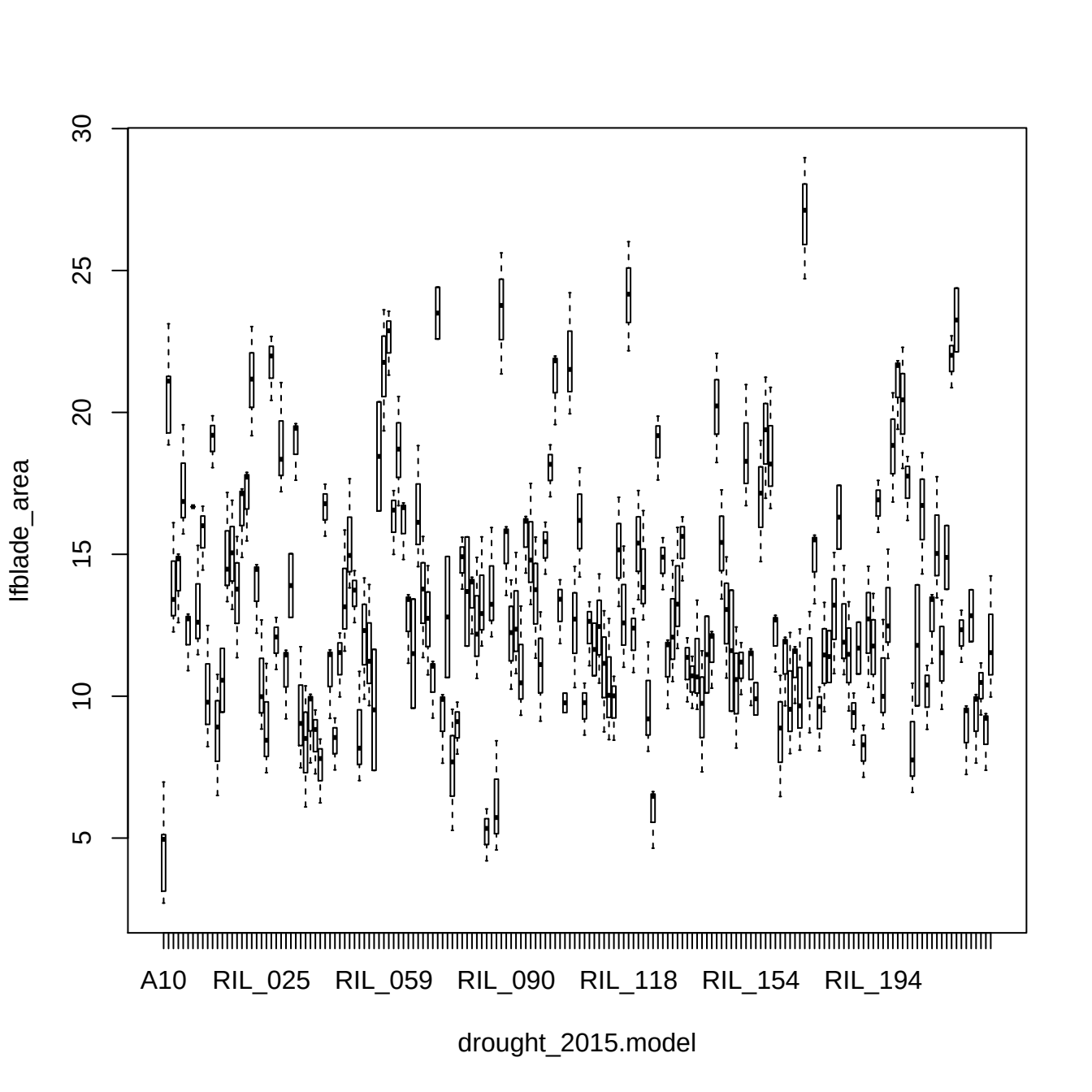

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.15
0.10
0.05
0.00
−0.05
−0.10
−3
−2
−1
0
1
2
3

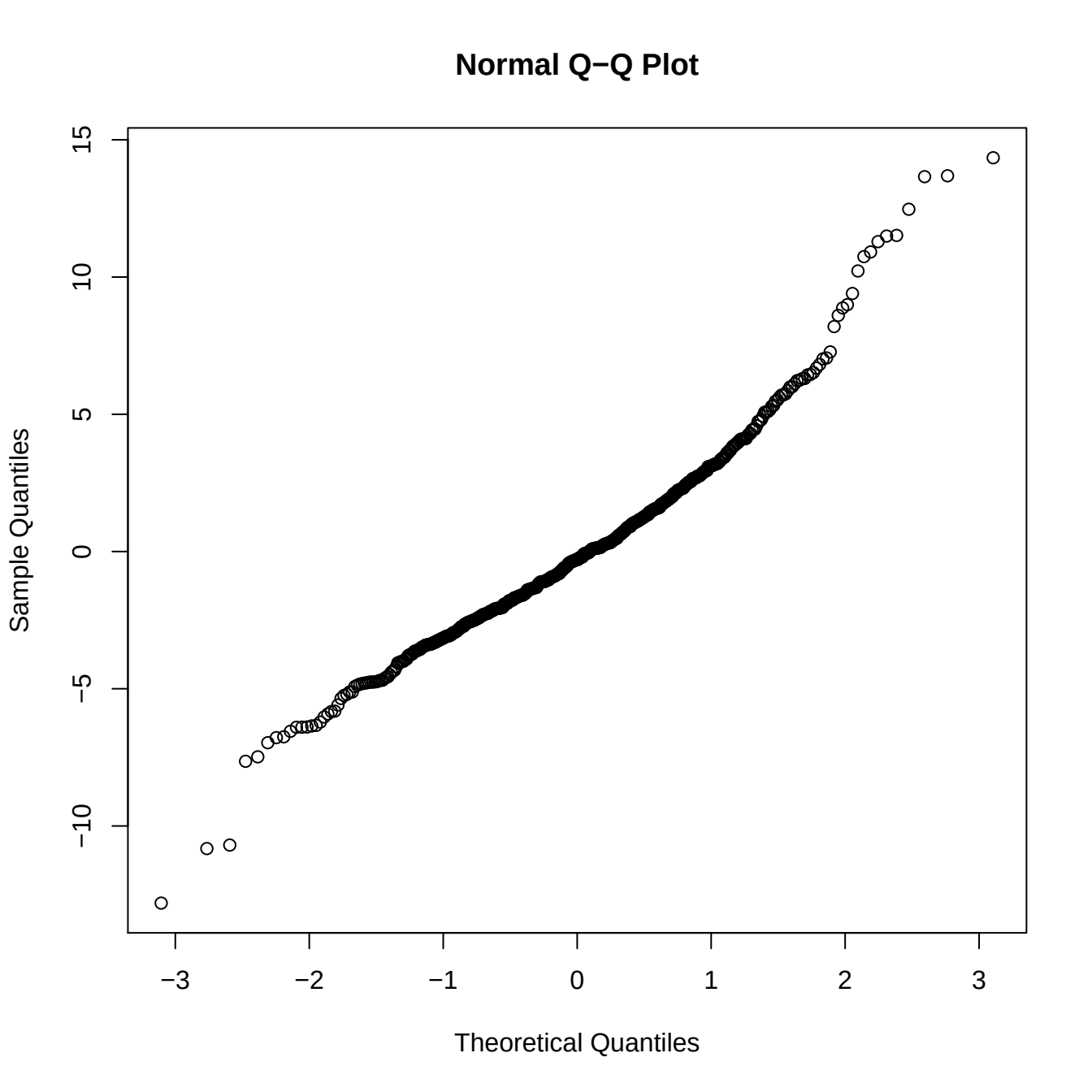

leaf_number
10
15
20
25
30
35
A10
RIL_022
RIL_062
RIL_094
RIL_120
RIL_154
RIL_193
drought_2015.model

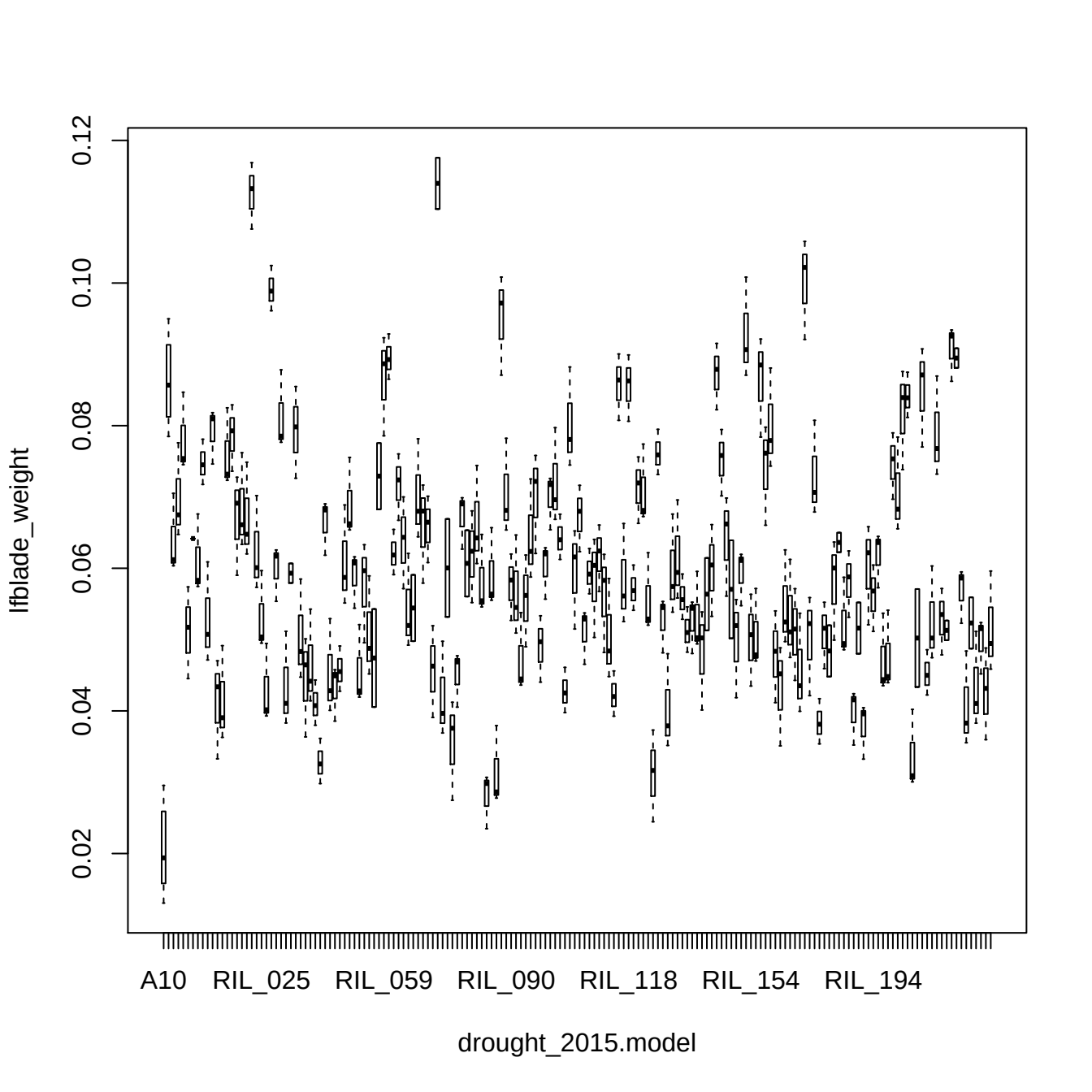

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
2
1
0
−1
−2
−2
−1
0
1
2

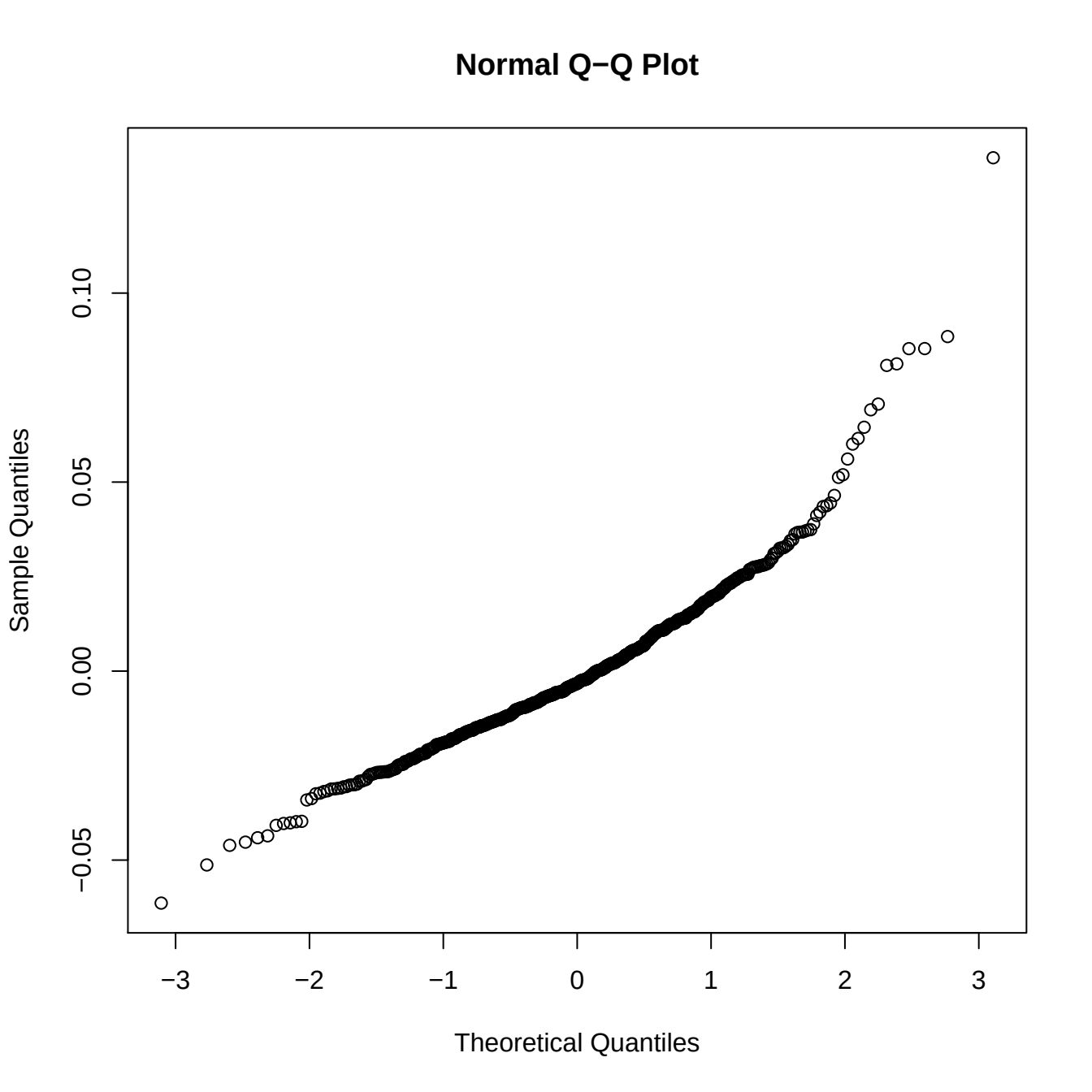

leaf_number_cbrt
2.0
2.2
2.4
2.6
2.8
3.0
3.2
A10
RIL_022
RIL_062
RIL_094
RIL_120
RIL_154
RIL_193
drought_2015.model

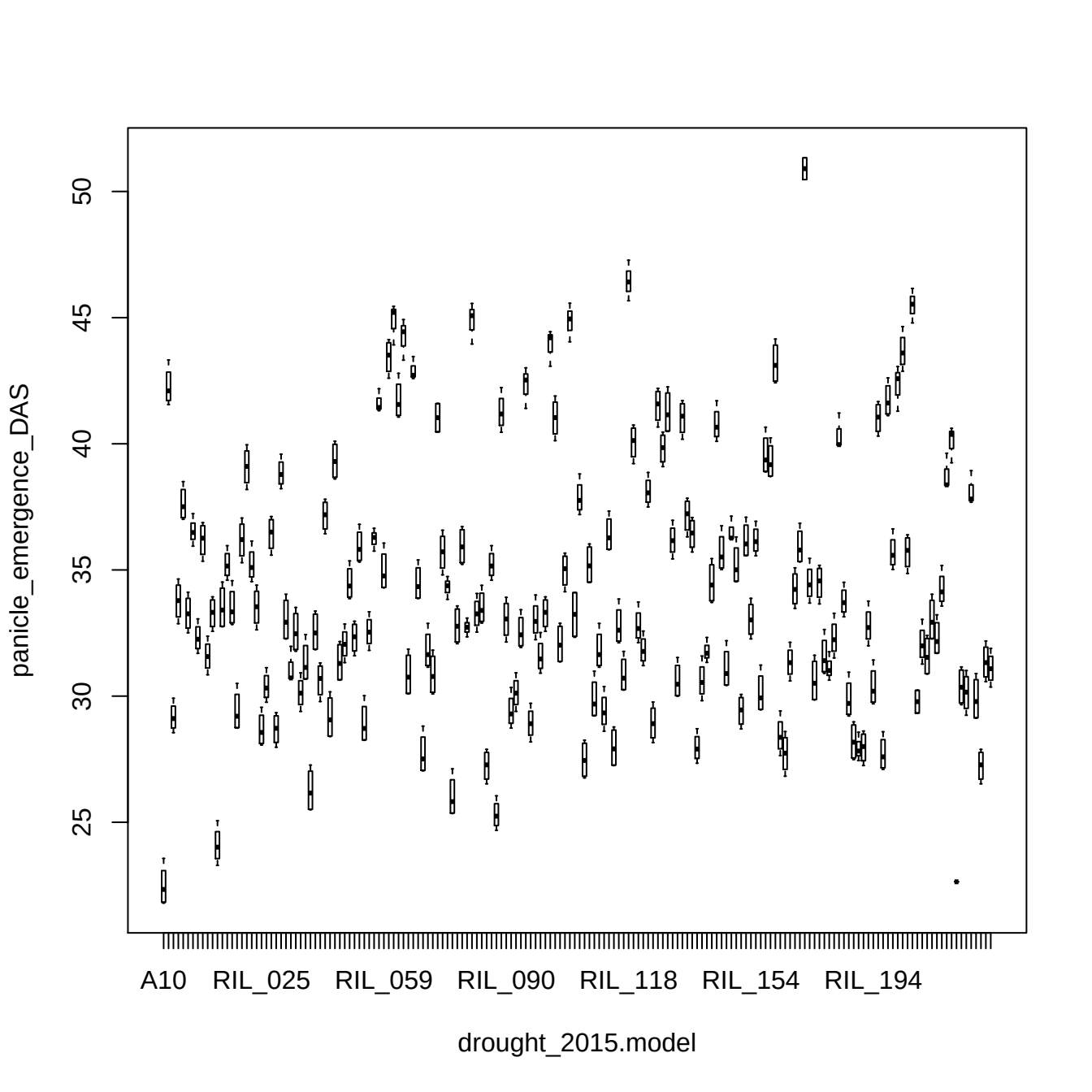

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.10
0.05
0.00
−0.05
−0.10
−2
−1
0
1
2

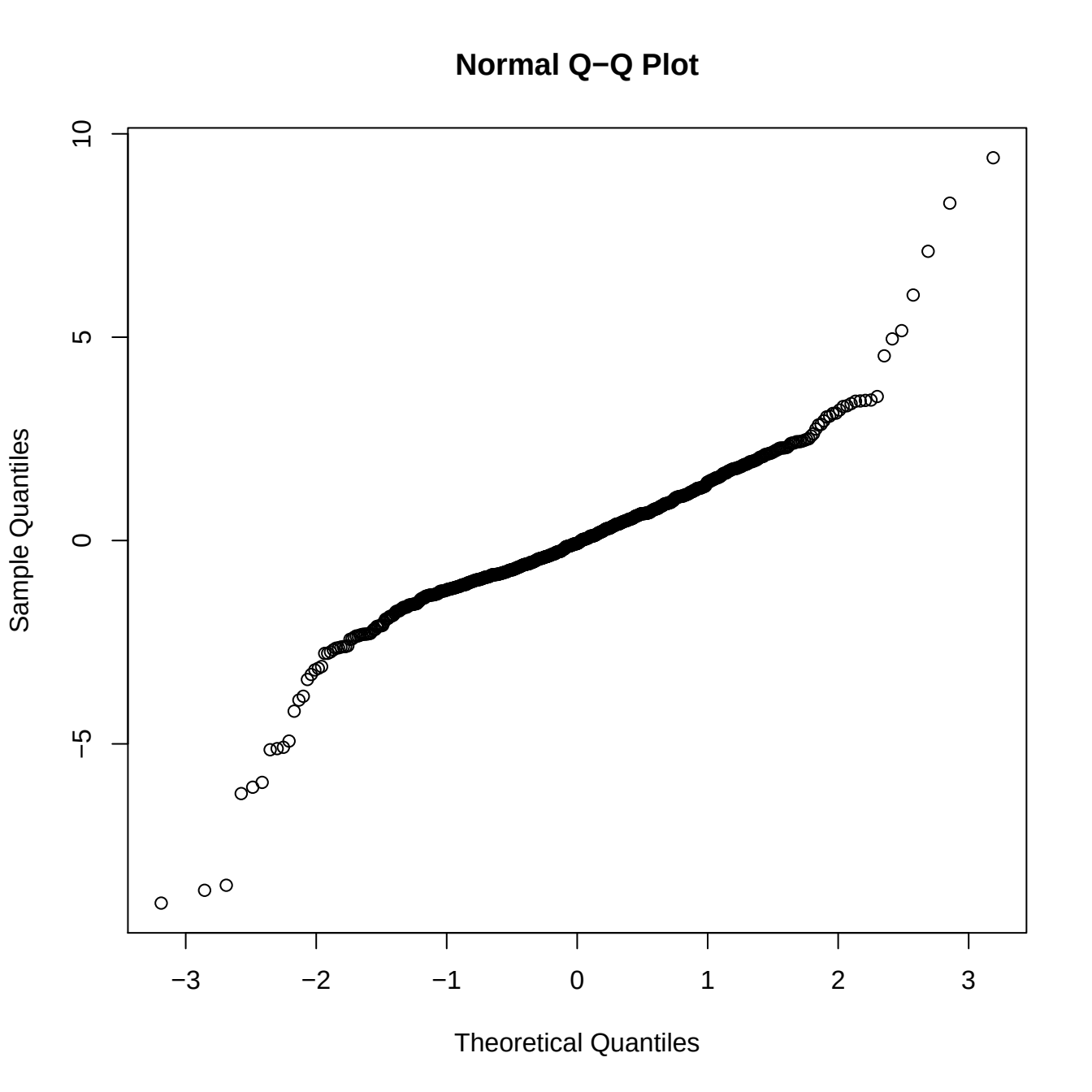

lfblade_area
30
25
20
15
10
5
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

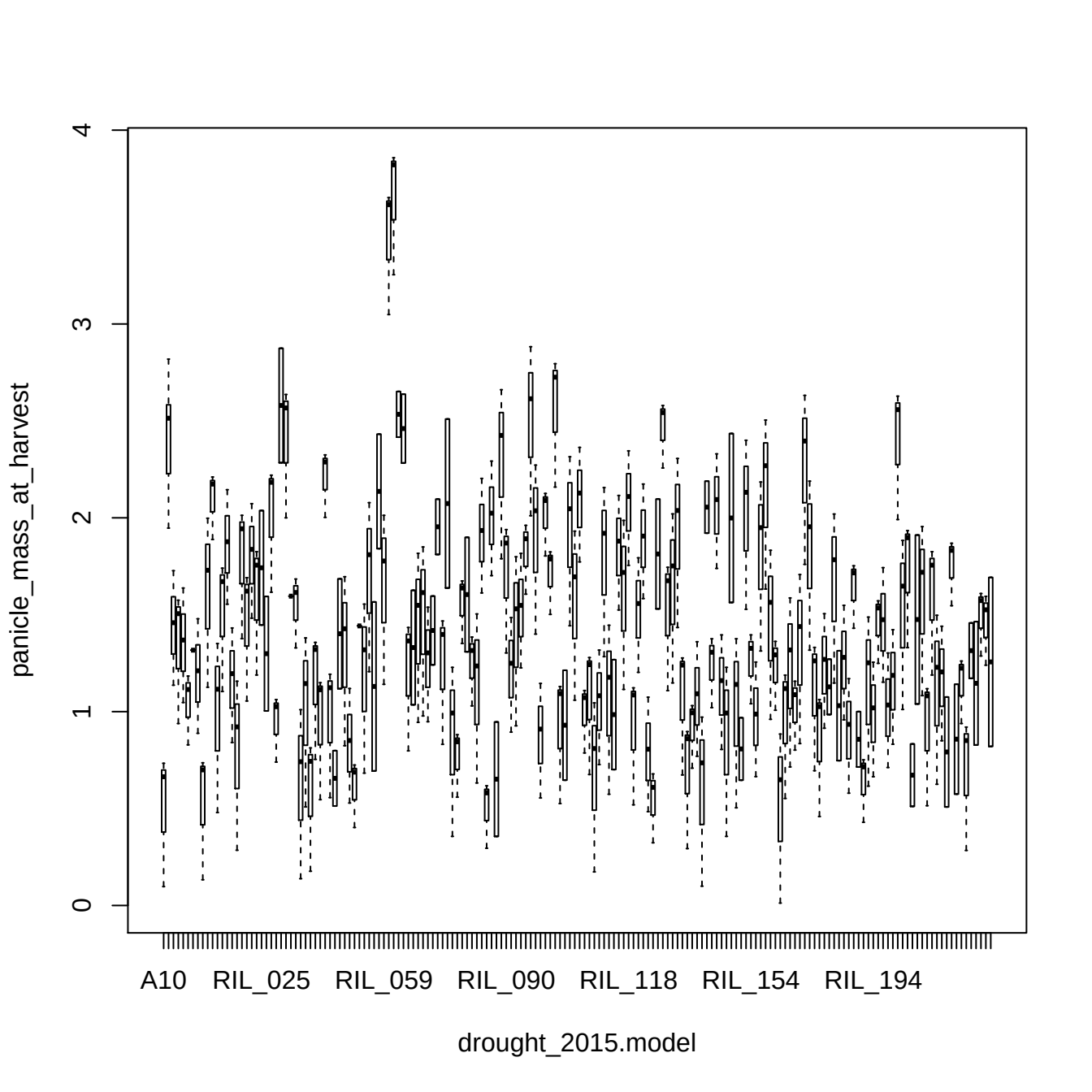

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
15
10
5
0
−5
−10
−3
−2
−1
0
1
2
3

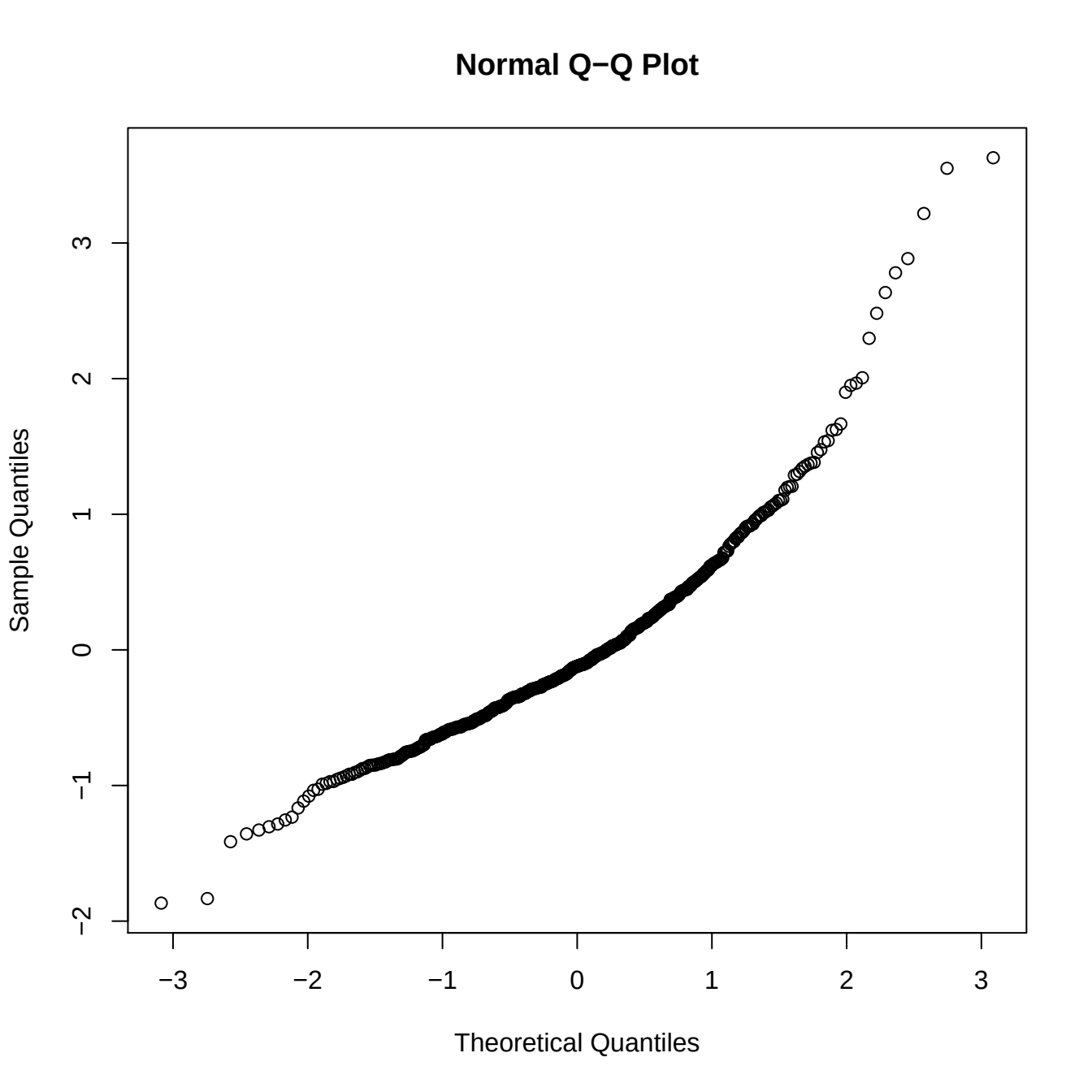

lfblade_weight
0.02
0.04
0.06
0.08
0.10
0.12
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

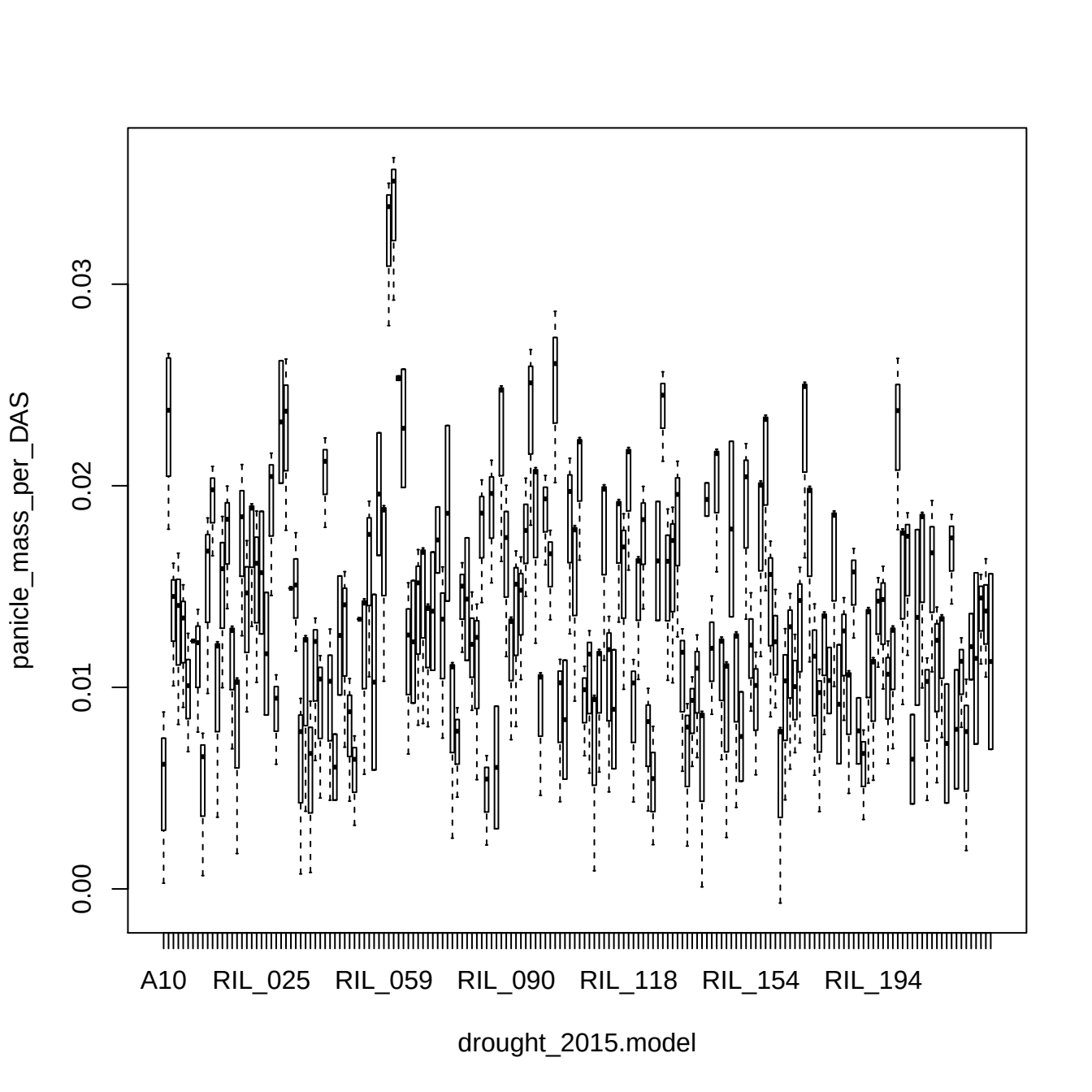

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.10
0.05
0.00
−0.05
−3
−2
−1
0
1
2
3

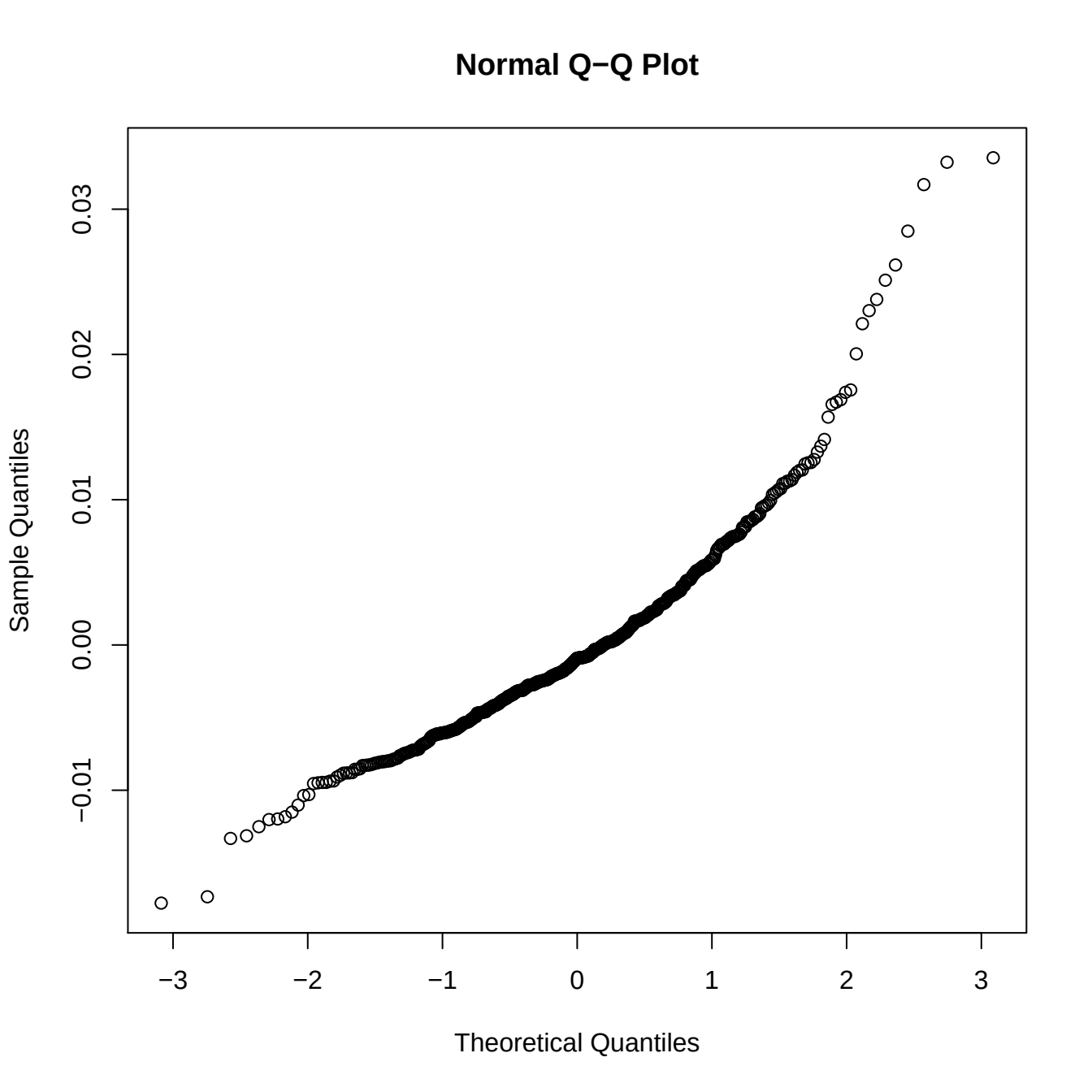

panicle_emergence_DAS
25
30
35
40
45
50
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

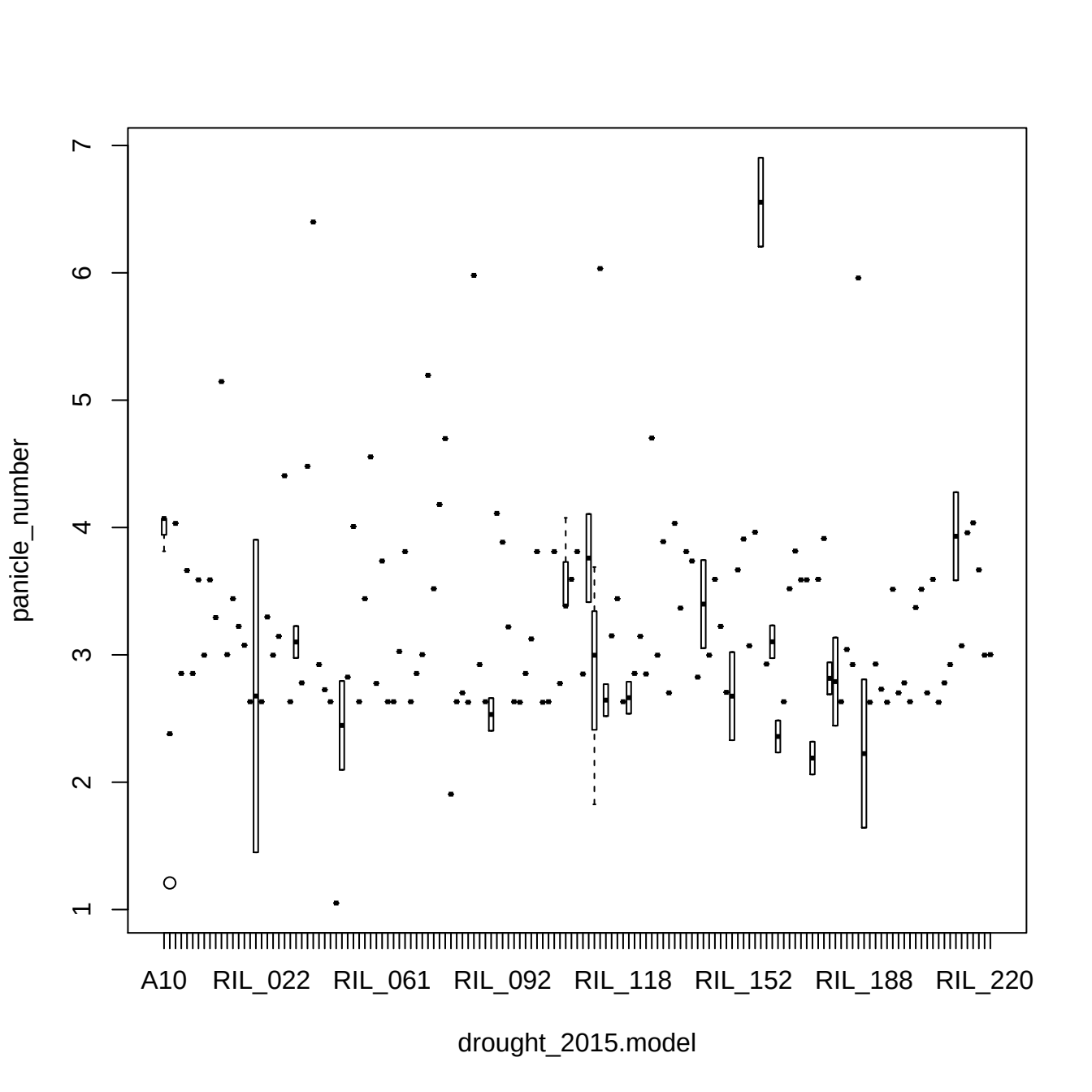

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
10
5
0
−5
−3
−2
−1
0
1
2
3

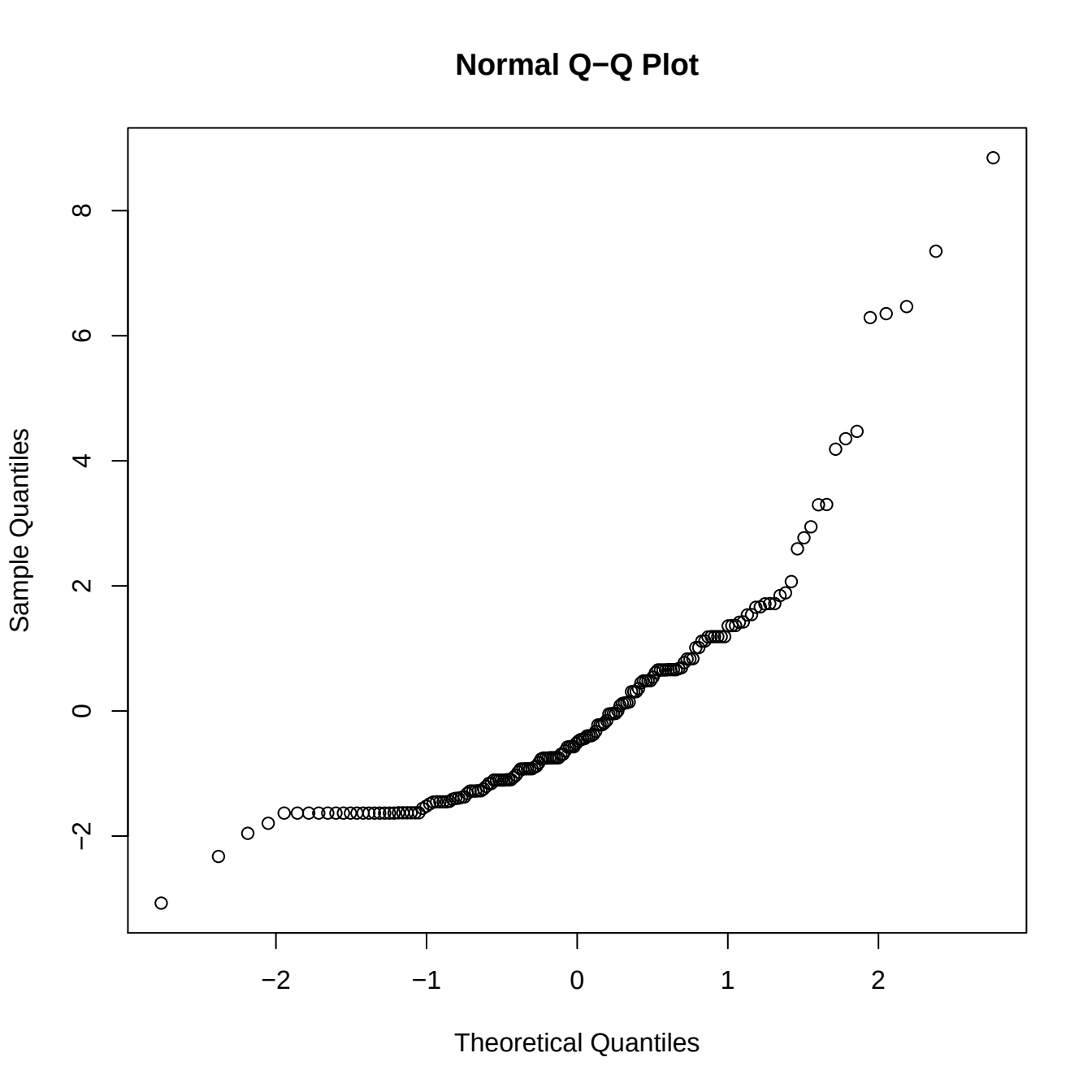

panicle_mass_at_harvest
0
1
2
3
4
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

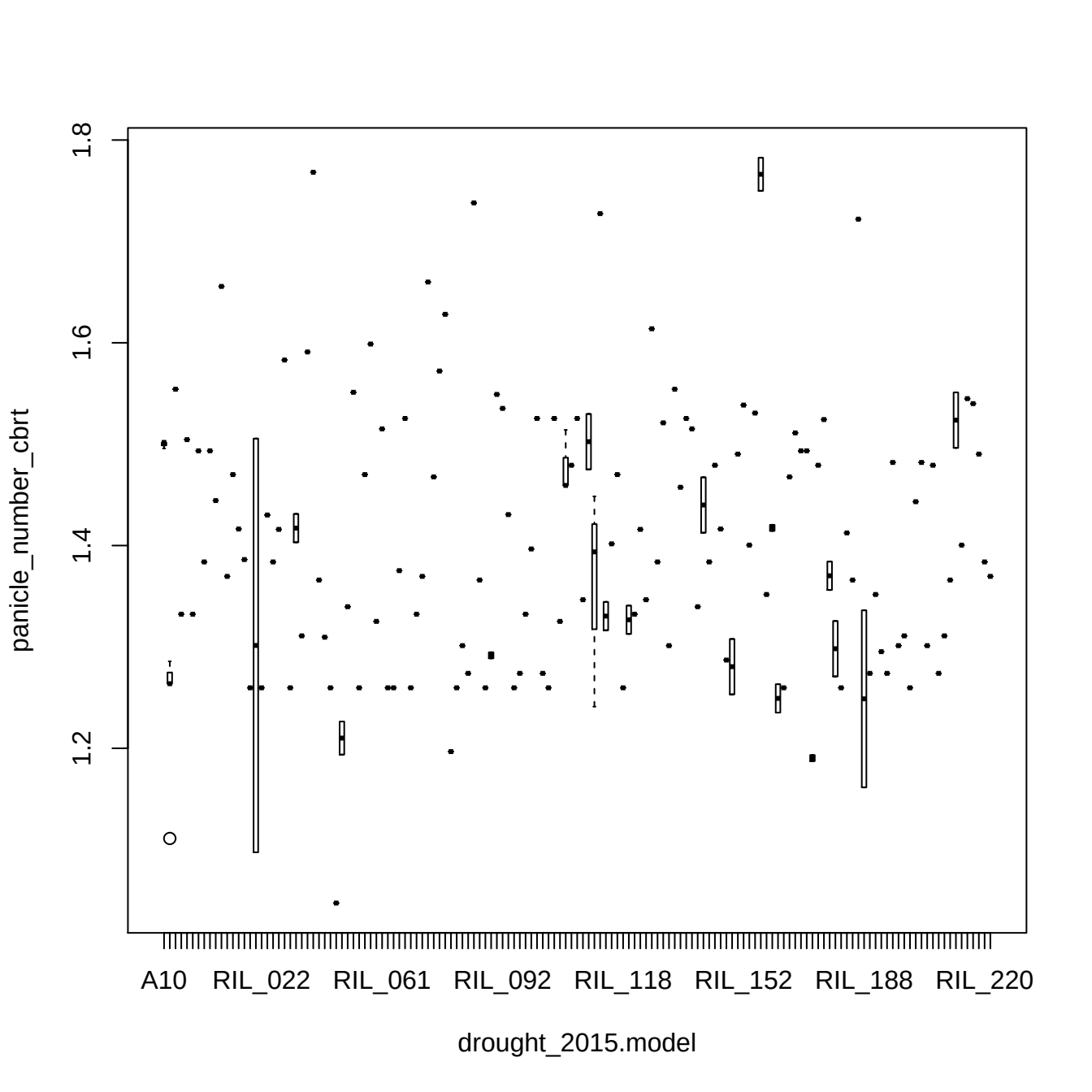

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−3
−2
−1
0
1
2
3
−2
−1
0
1
2
3

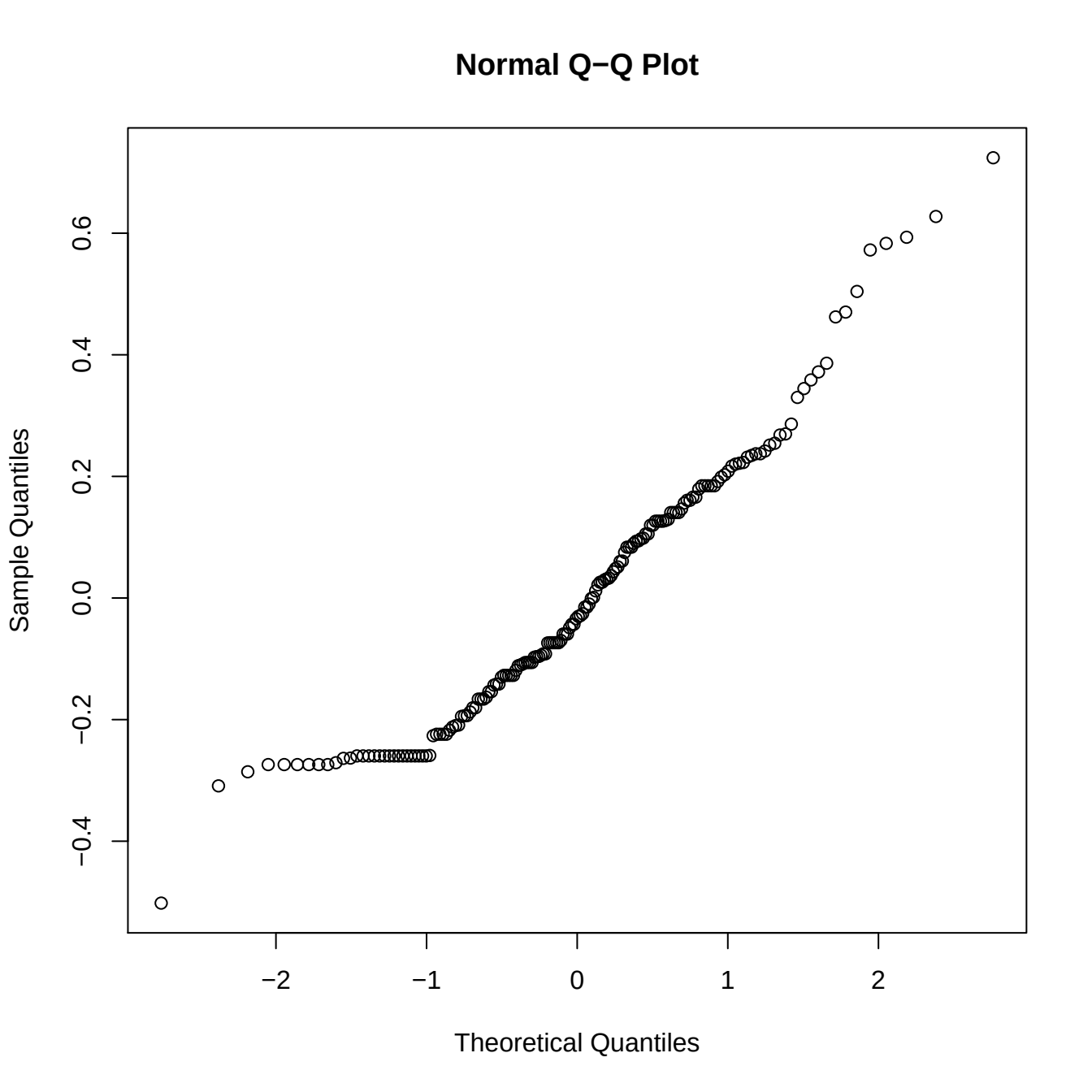

panicle_mass_per_DAS
0.00
0.01
0.02
0.03
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

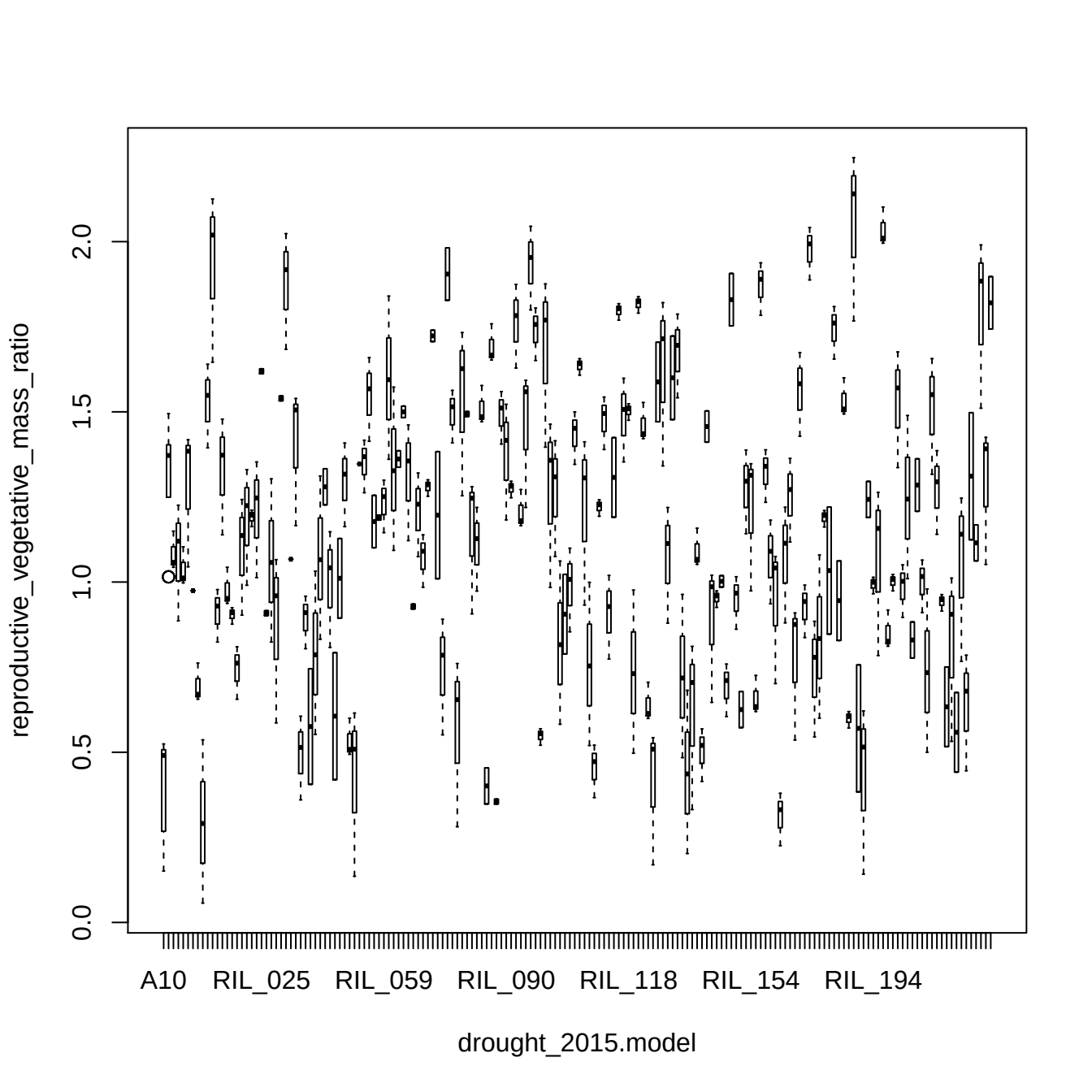

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.03
0.02
0.01
0.00
−0.01
−3
−2
−1
0
1
2
3

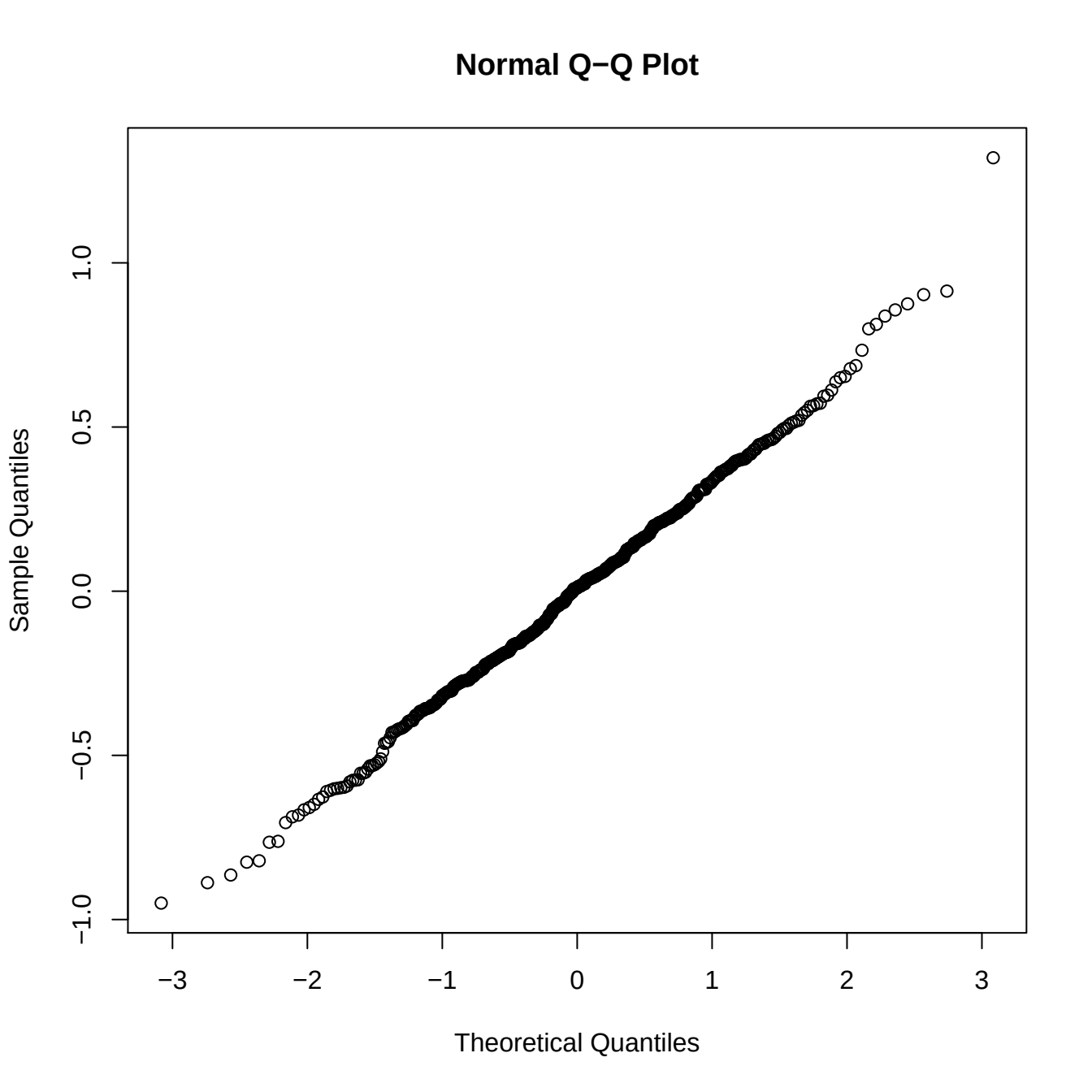

panicle_number
1
2
3
4
5
6
7
A10
RIL_022
RIL_061
RIL_092
RIL_118
RIL_152
RIL_188
RIL_220
drought_2015.model

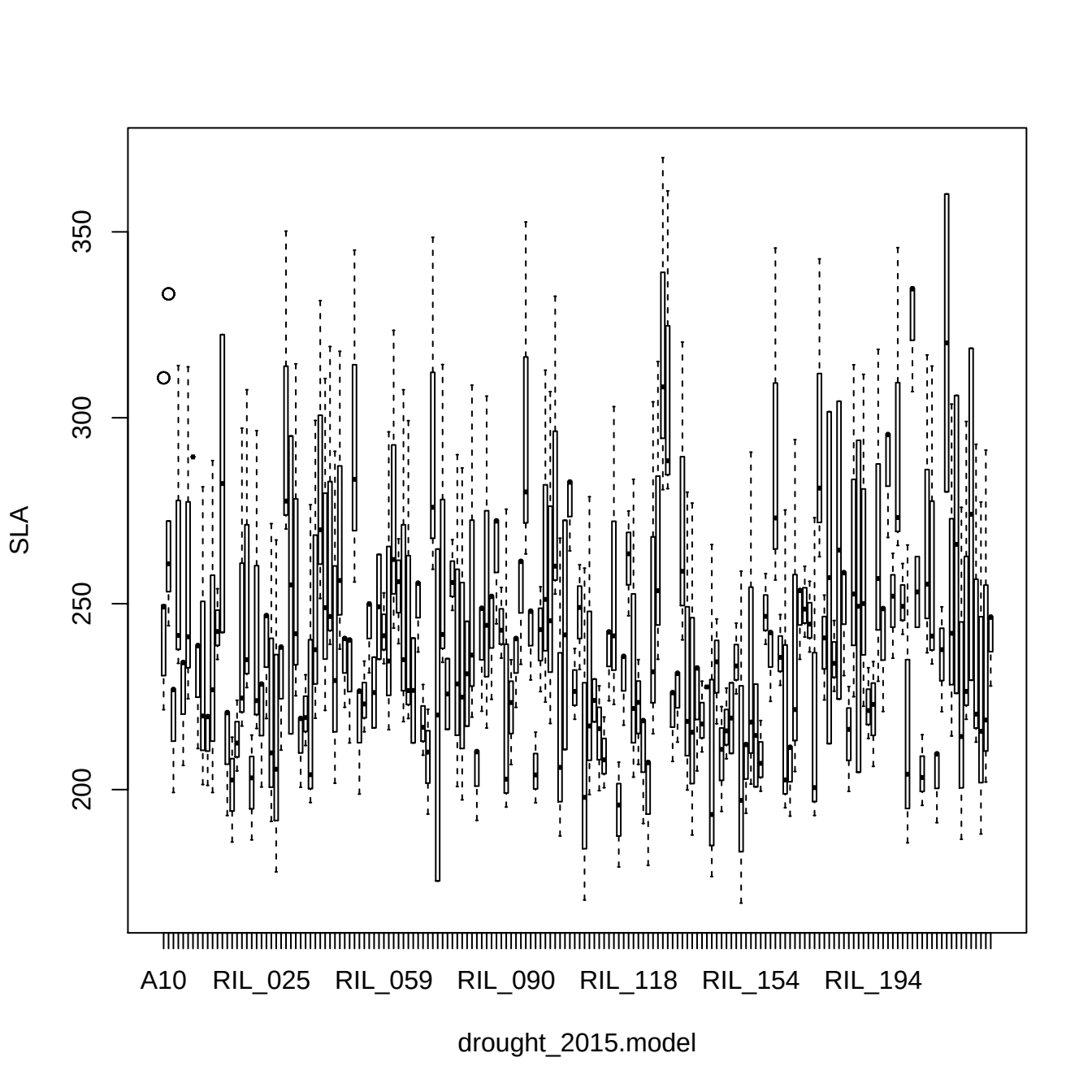

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−2
0
2
4
6
8
−2
−1
0
1
2

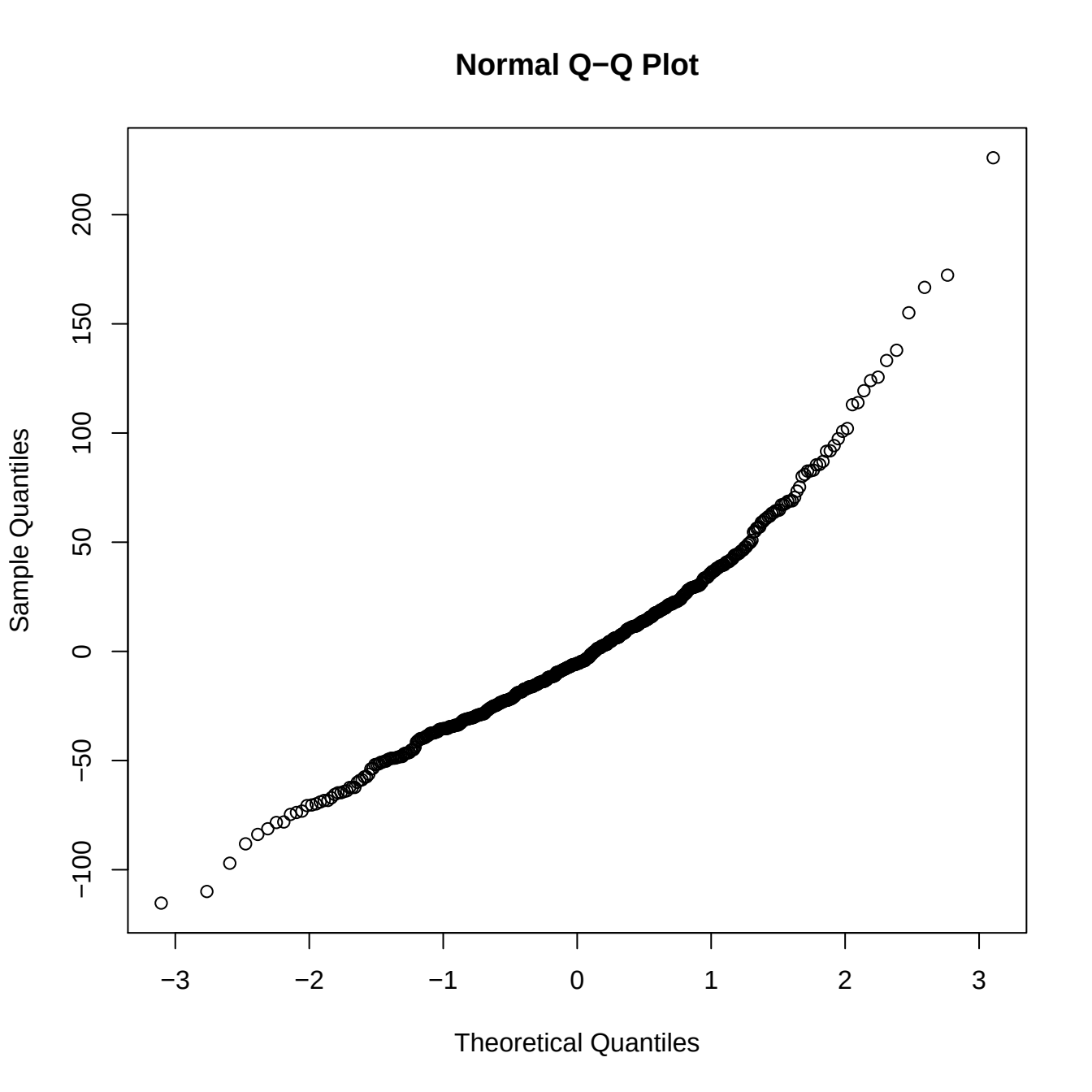

panicle_number_cbrt
1.2
1.4
1.6
1.8
A10
RIL_022
RIL_061
RIL_092
RIL_118
RIL_152
RIL_188
RIL_220
drought_2015.model

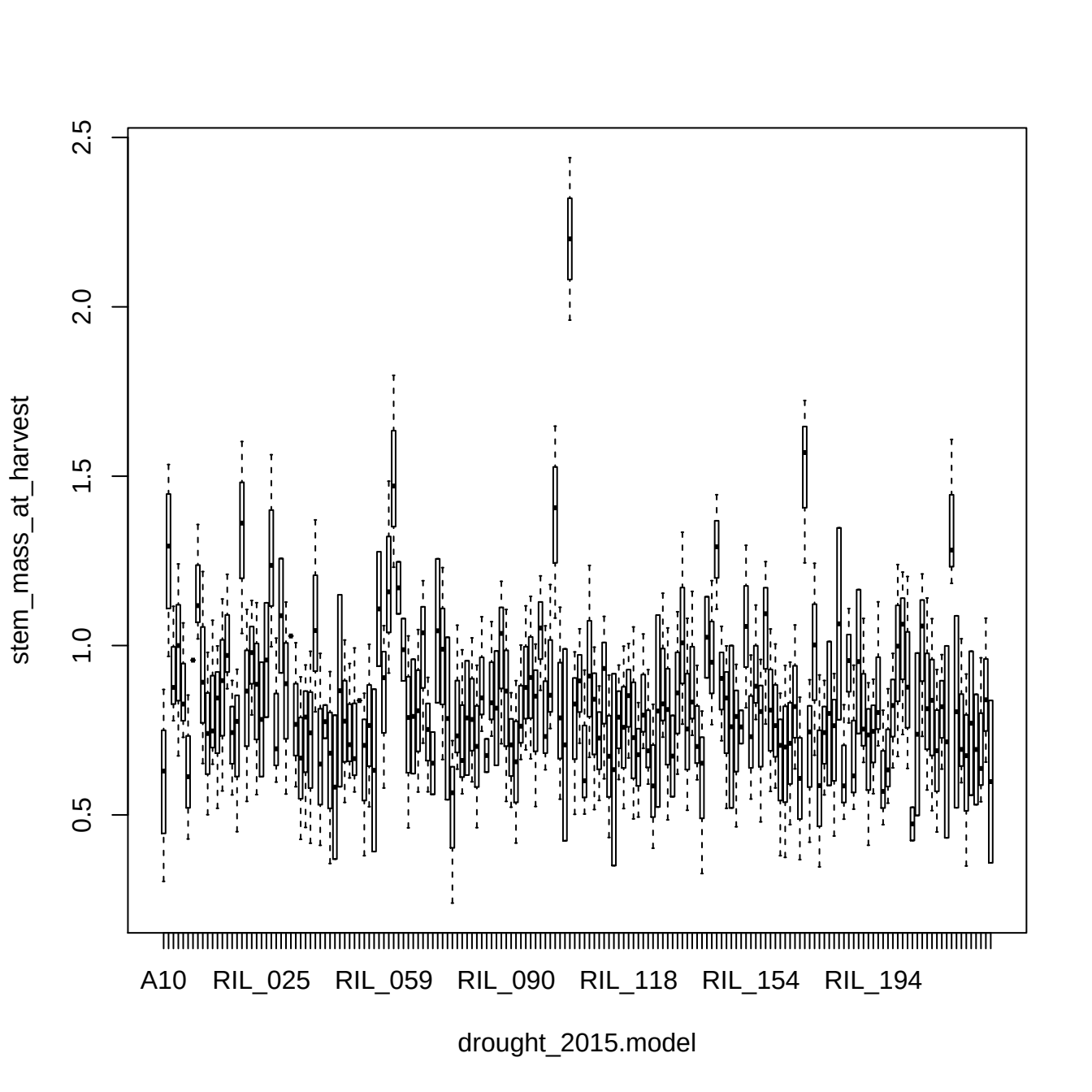

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.6
0.4
0.2
0.0
−0.2
−0.4
−2
−1
0
1
2

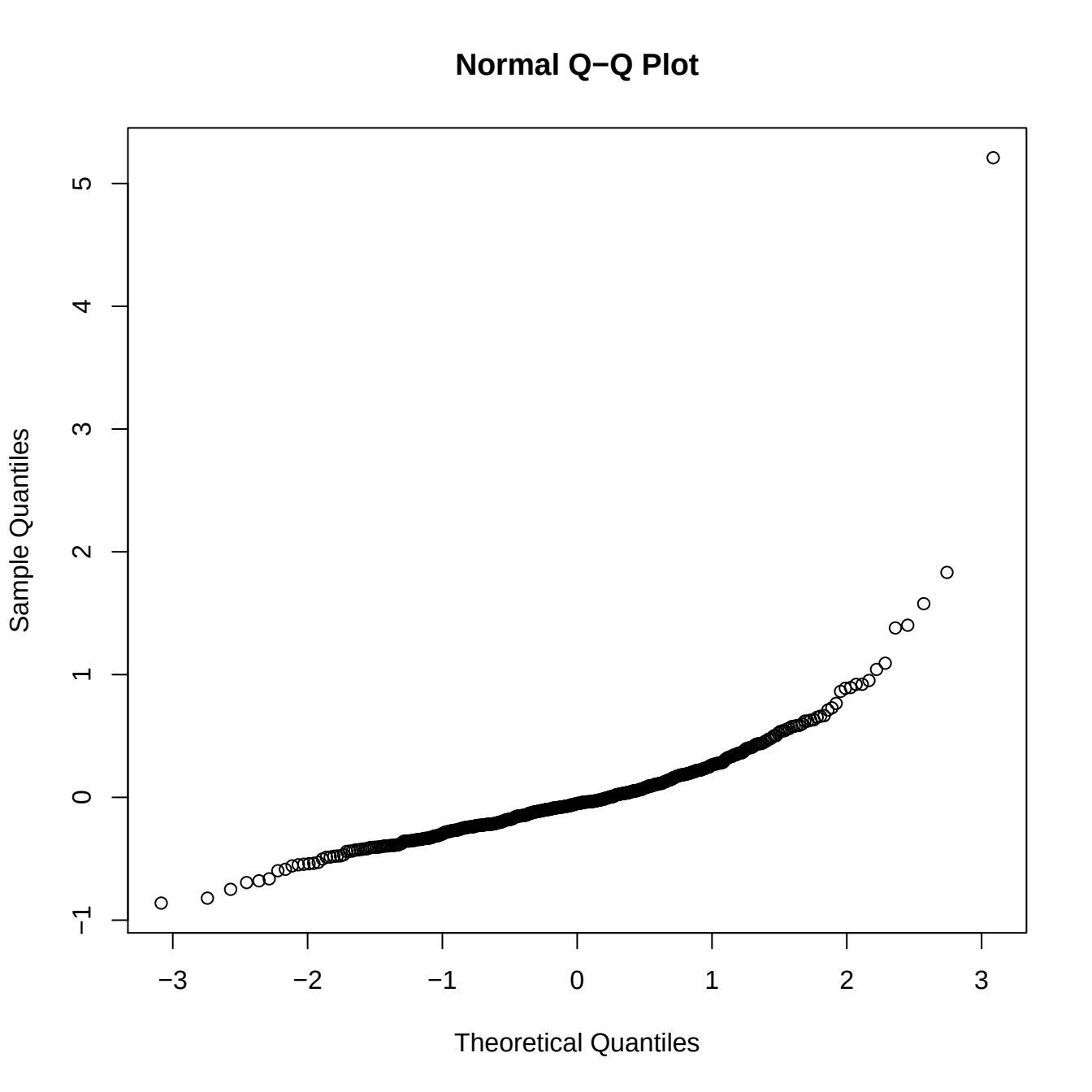

reproductive_vegetative_mass_ratio
0.0
0.5
1.0
1.5
2.0
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

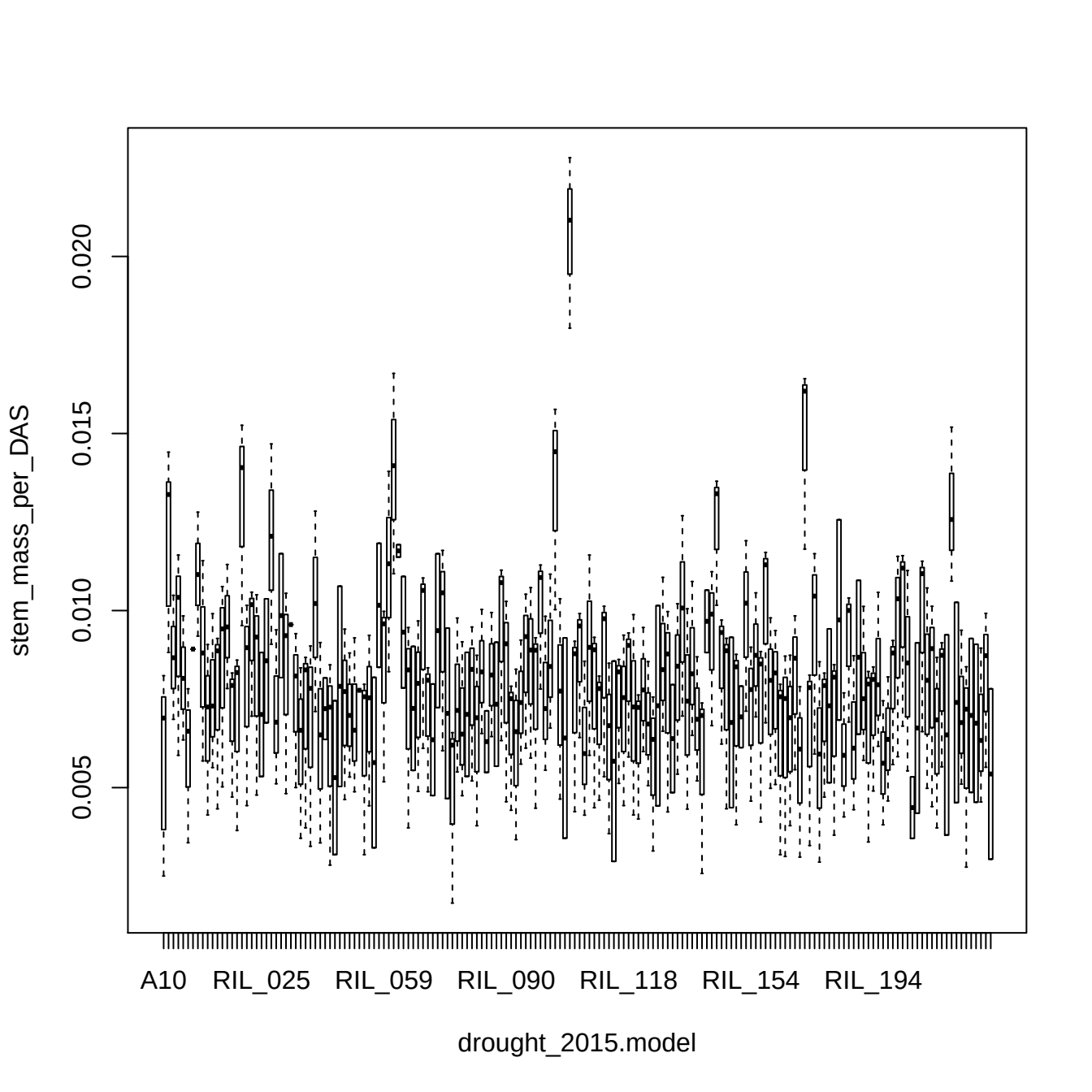

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−1.0
−0.5
0.0
0.5
1.0
−3
−2
−1
0
1
2
3

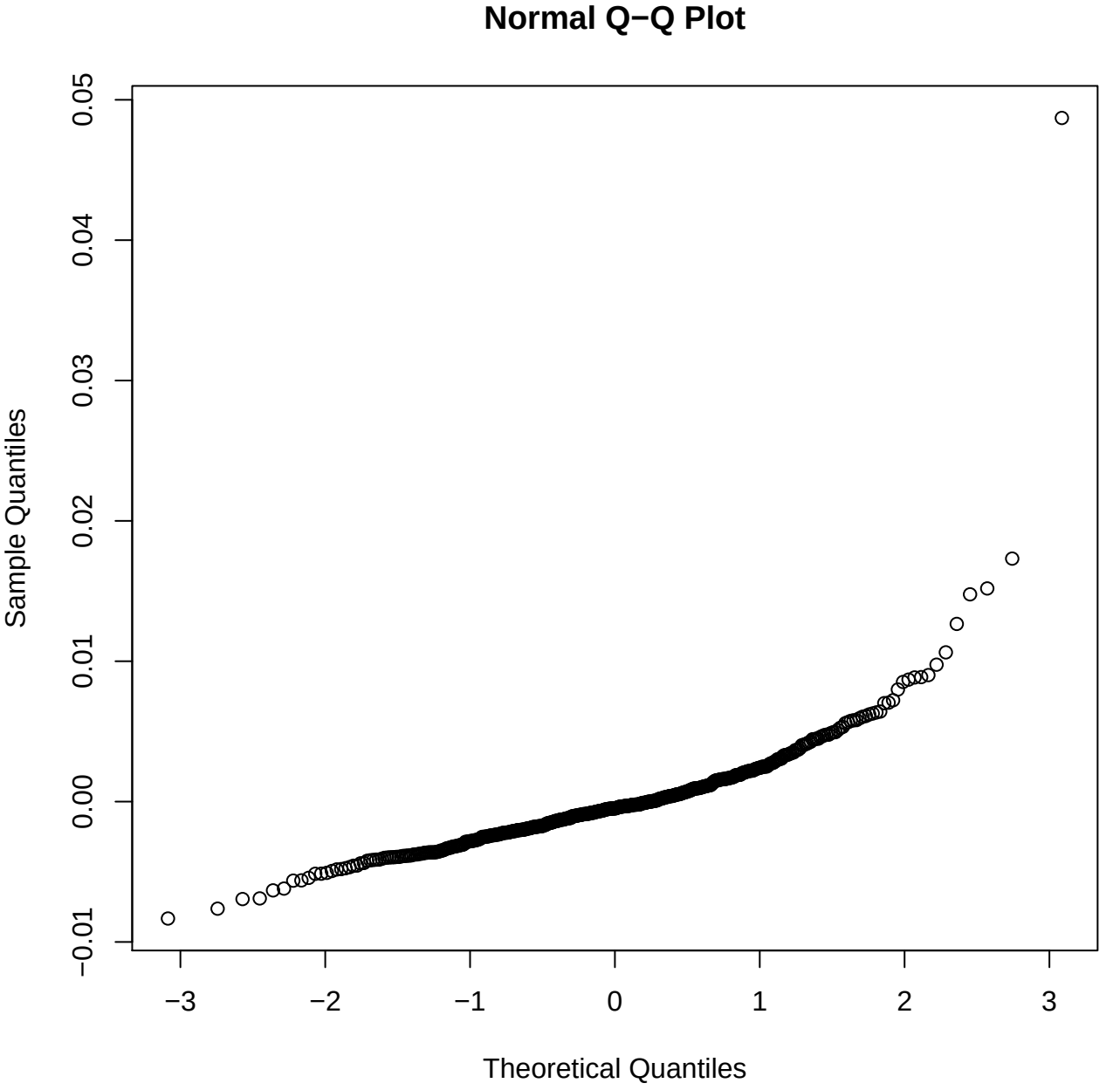

SLA
200
250
300
350
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

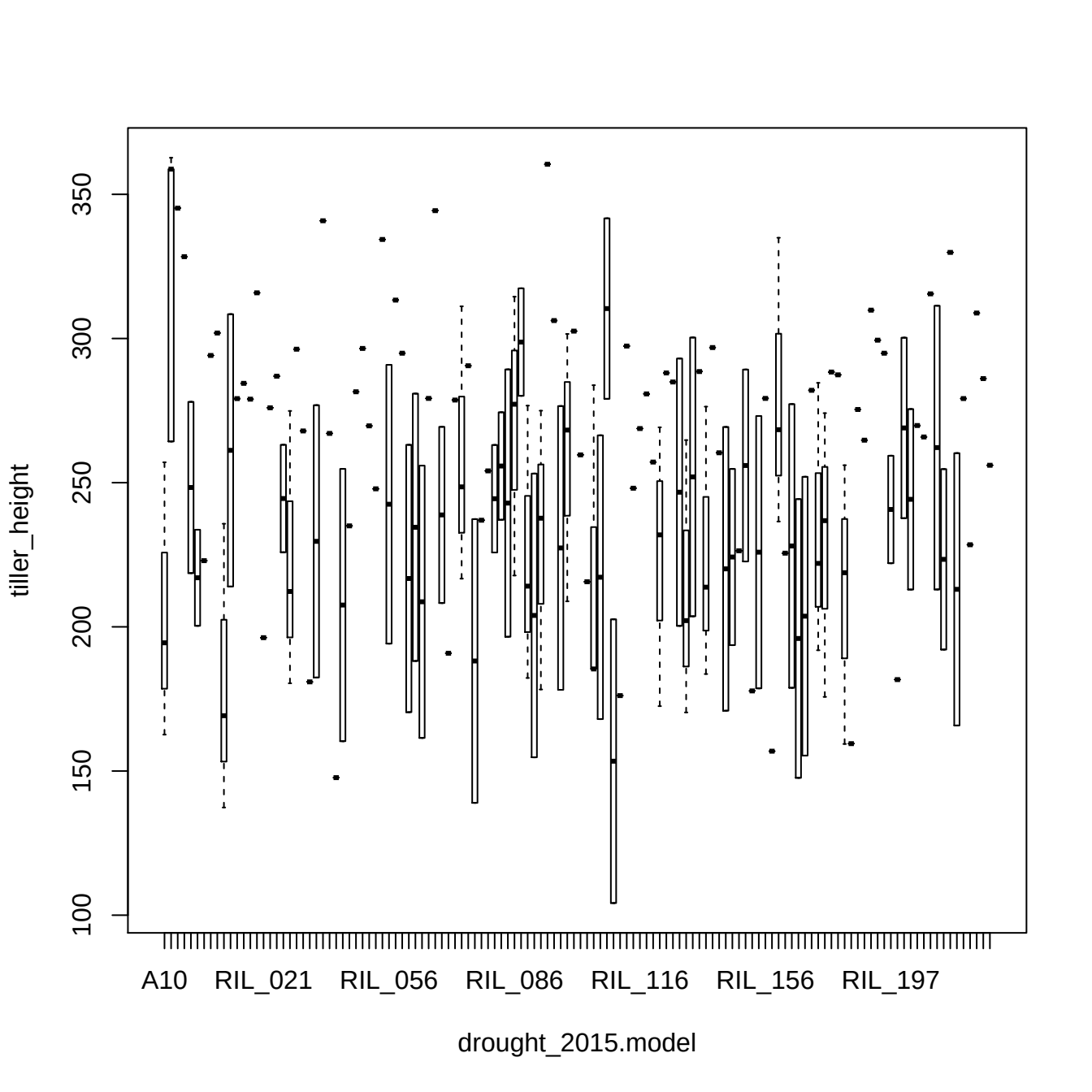

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−100
−50
0
50
100
150
200
−3
−2
−1
0
1
2
3

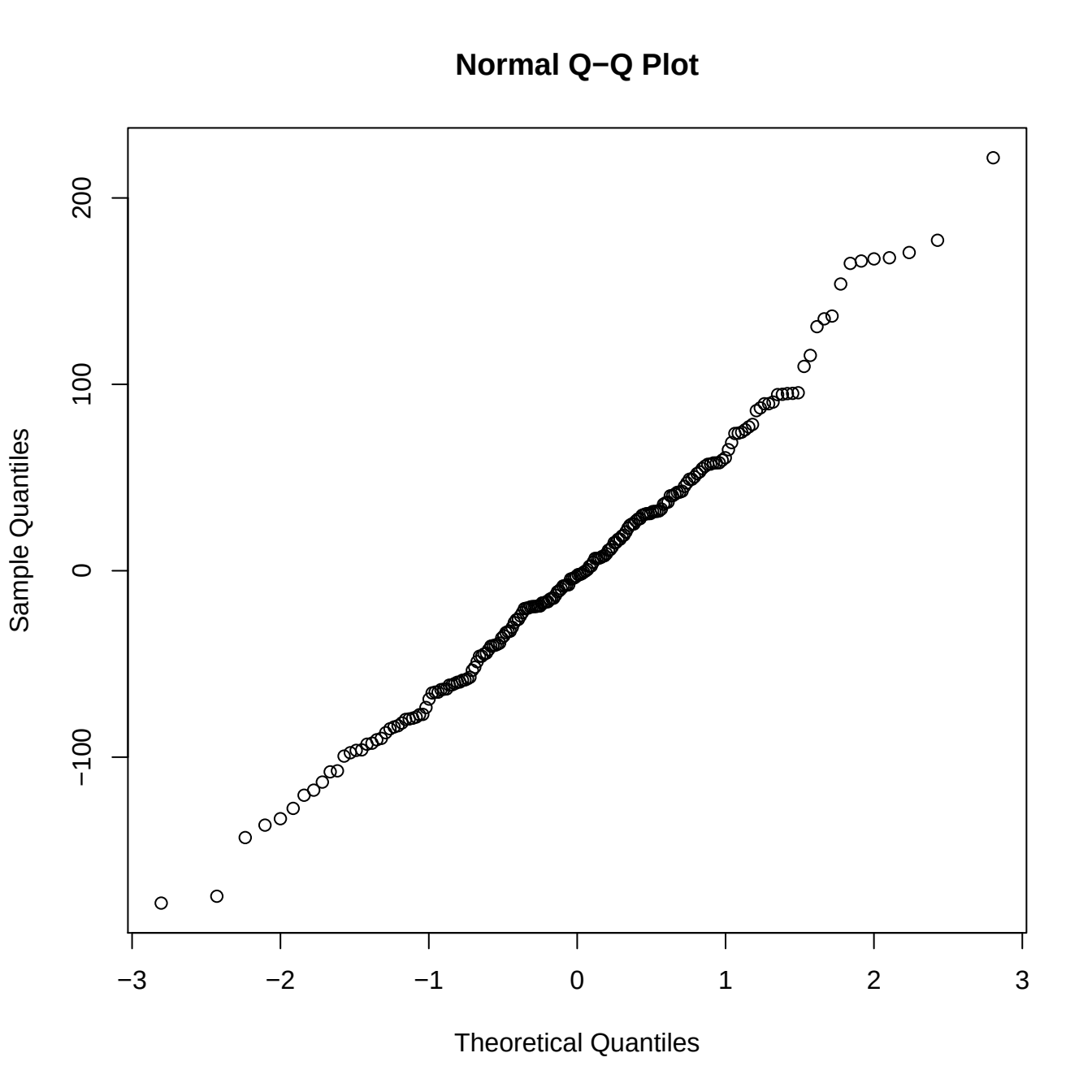

stem_mass_at_harvest
0.5
1.0
1.5
2.0
2.5
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

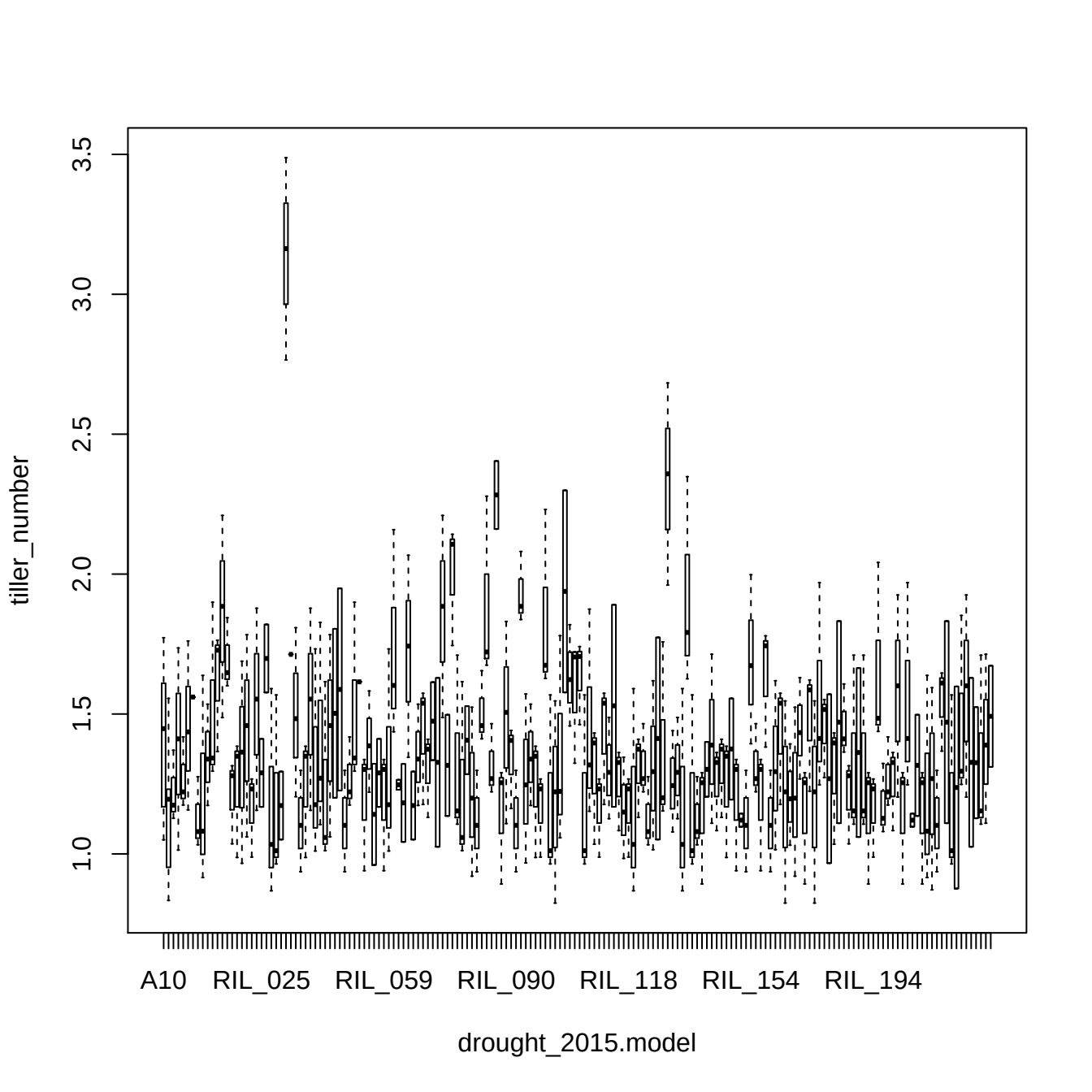

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−1
0
1
2
3
4
5
−3
−2
−1
0
1
2
3

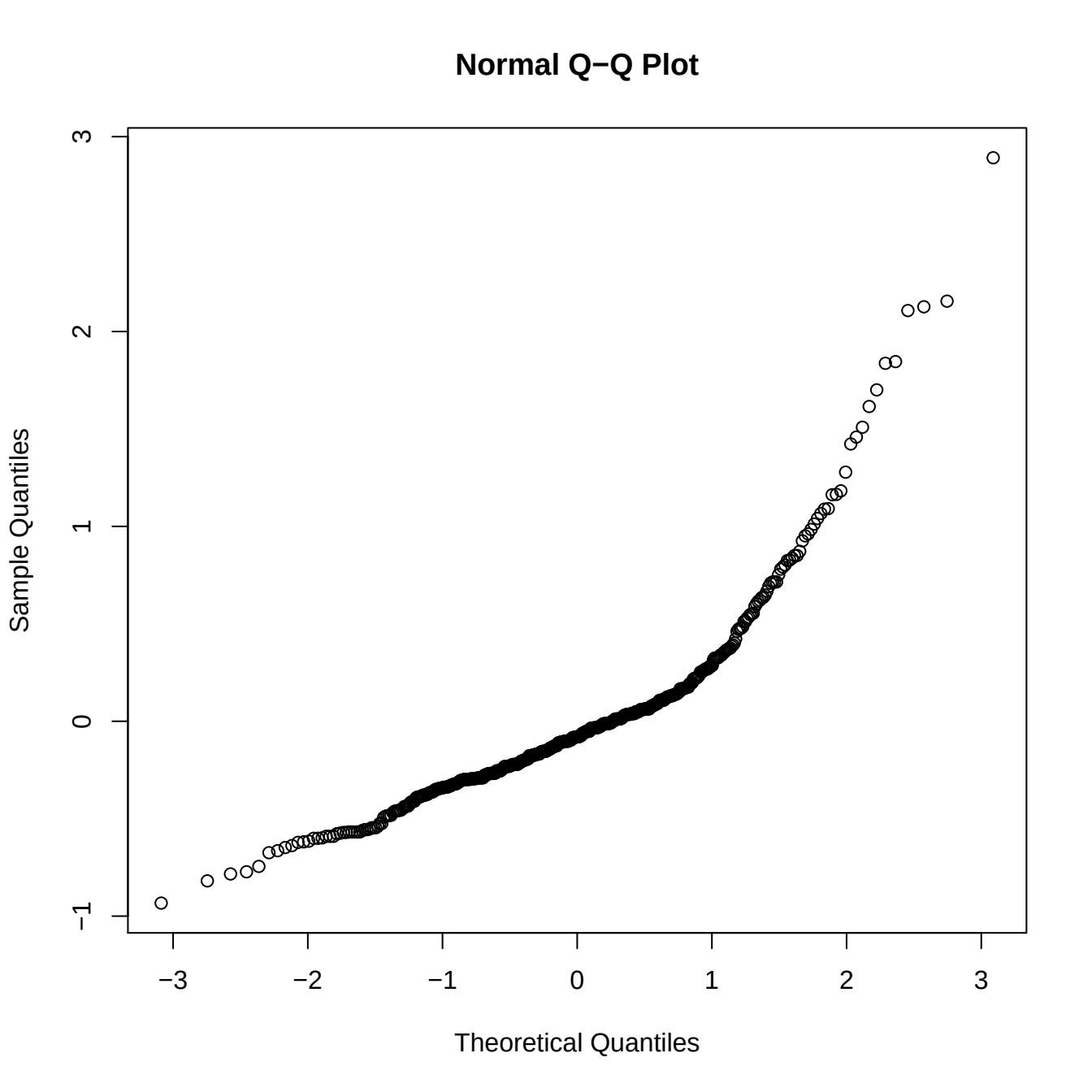

stem_mass_per_DAS
0.005
0.010
0.015
0.020
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

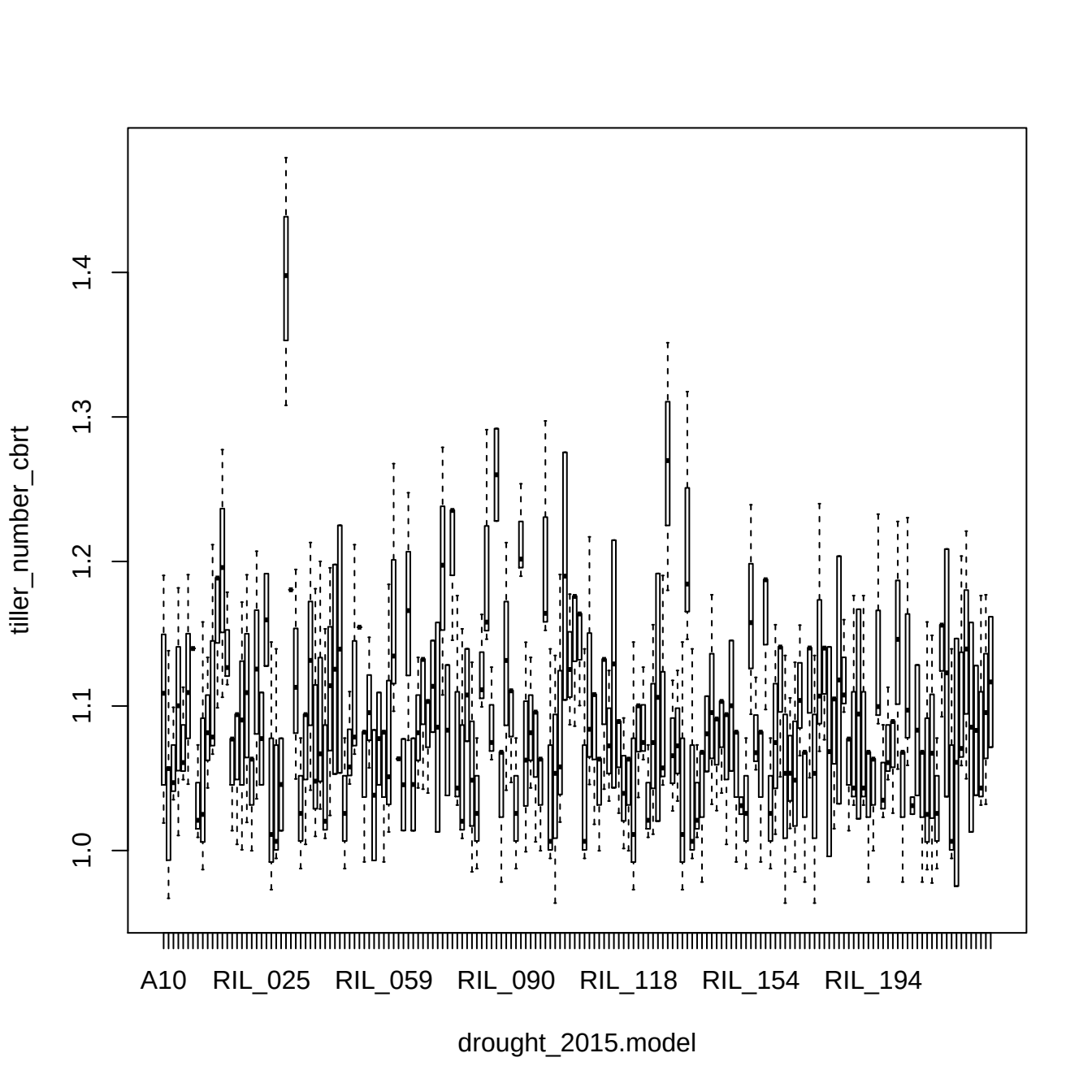

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−3
−2
−1
0
1
2
3

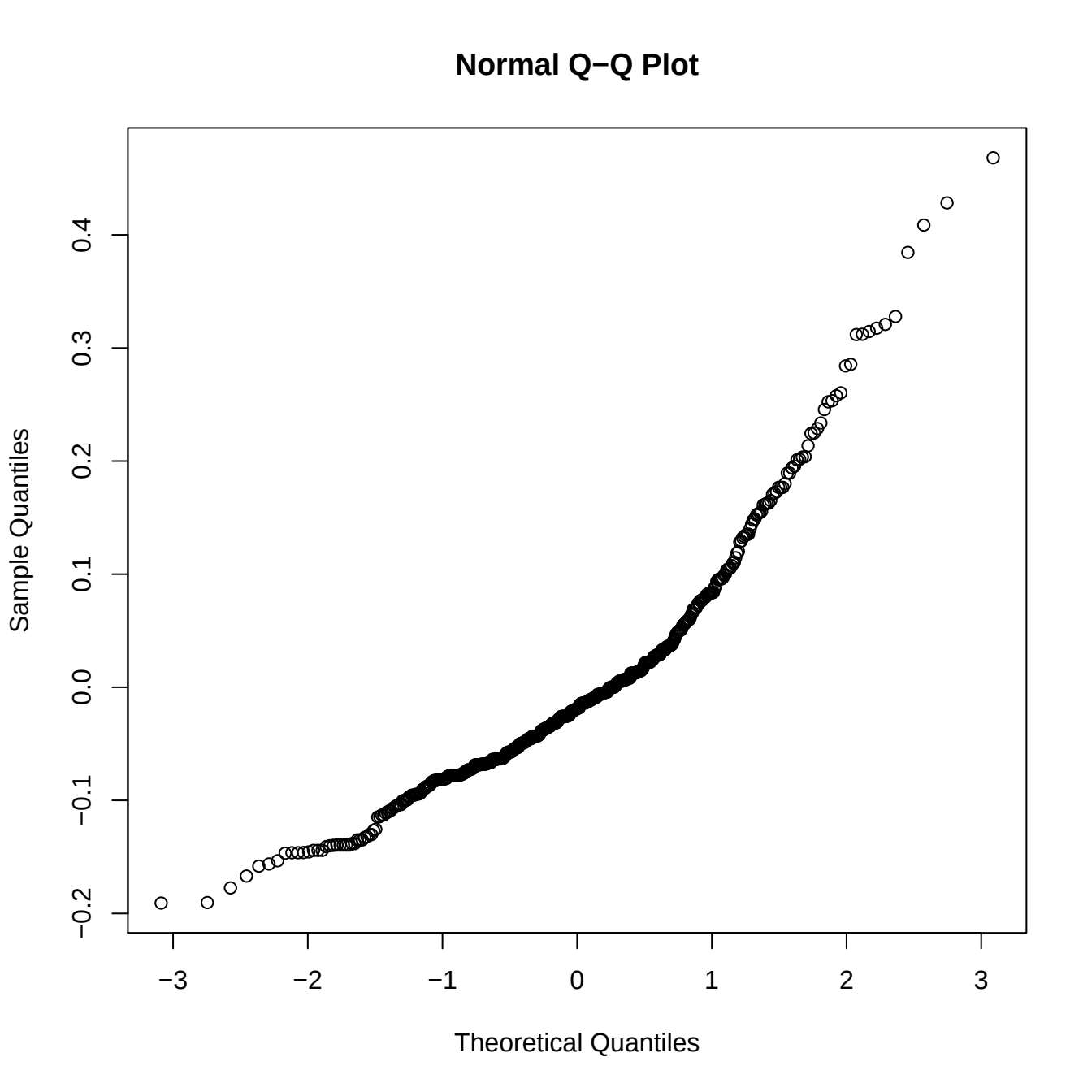

tiller_height
100
150
200
250
300
350
A10
RIL_021
RIL_056
RIL_086
RIL_116
RIL_156
RIL_197
drought_2015.model

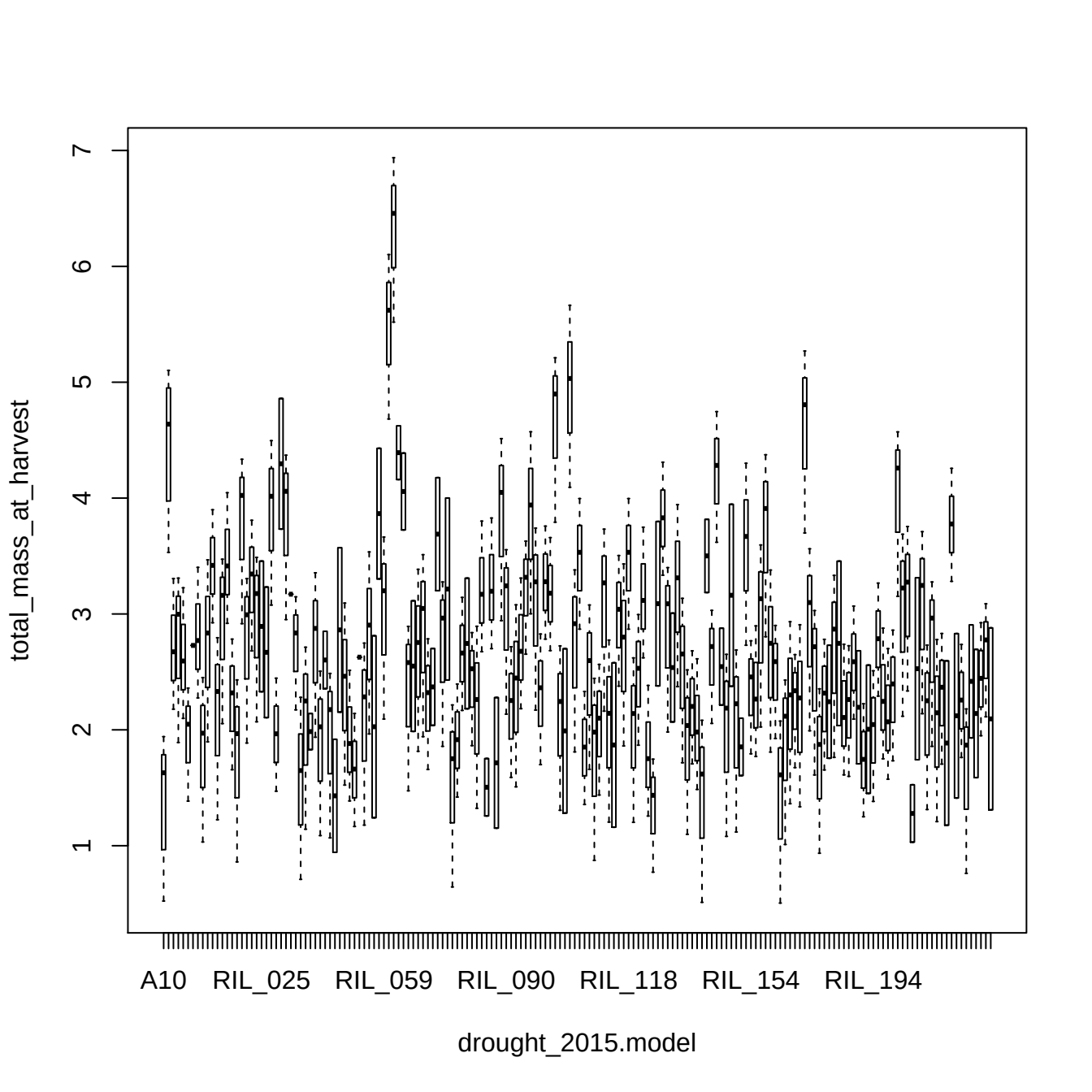

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
200
100
0
−100
−3
−2
−1
0
1
2
3

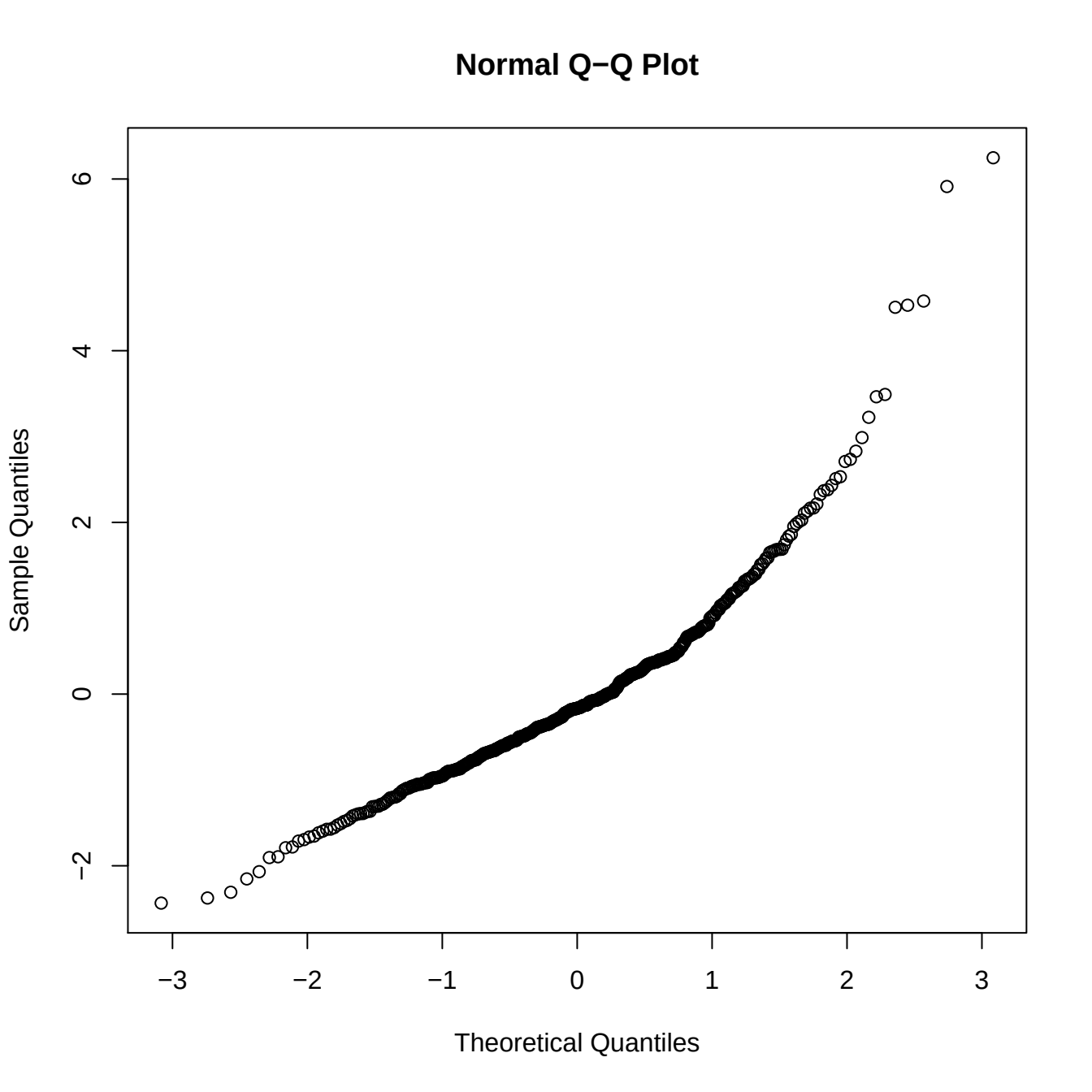

tiller_number
1.0
1.5
2.0
2.5
3.0
3.5
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

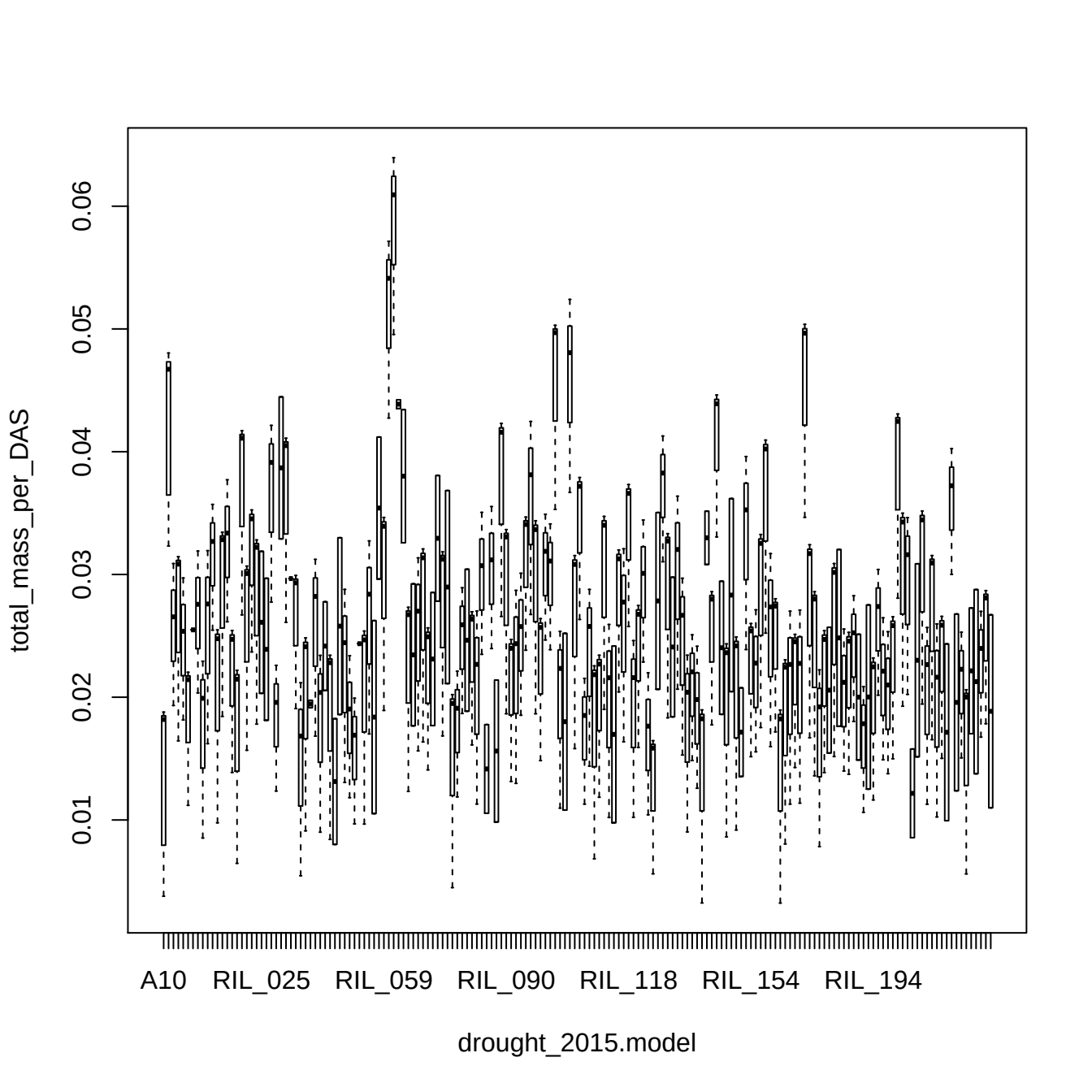

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−3
−2
−1
0
1
2
3
−1
0
1
2
3

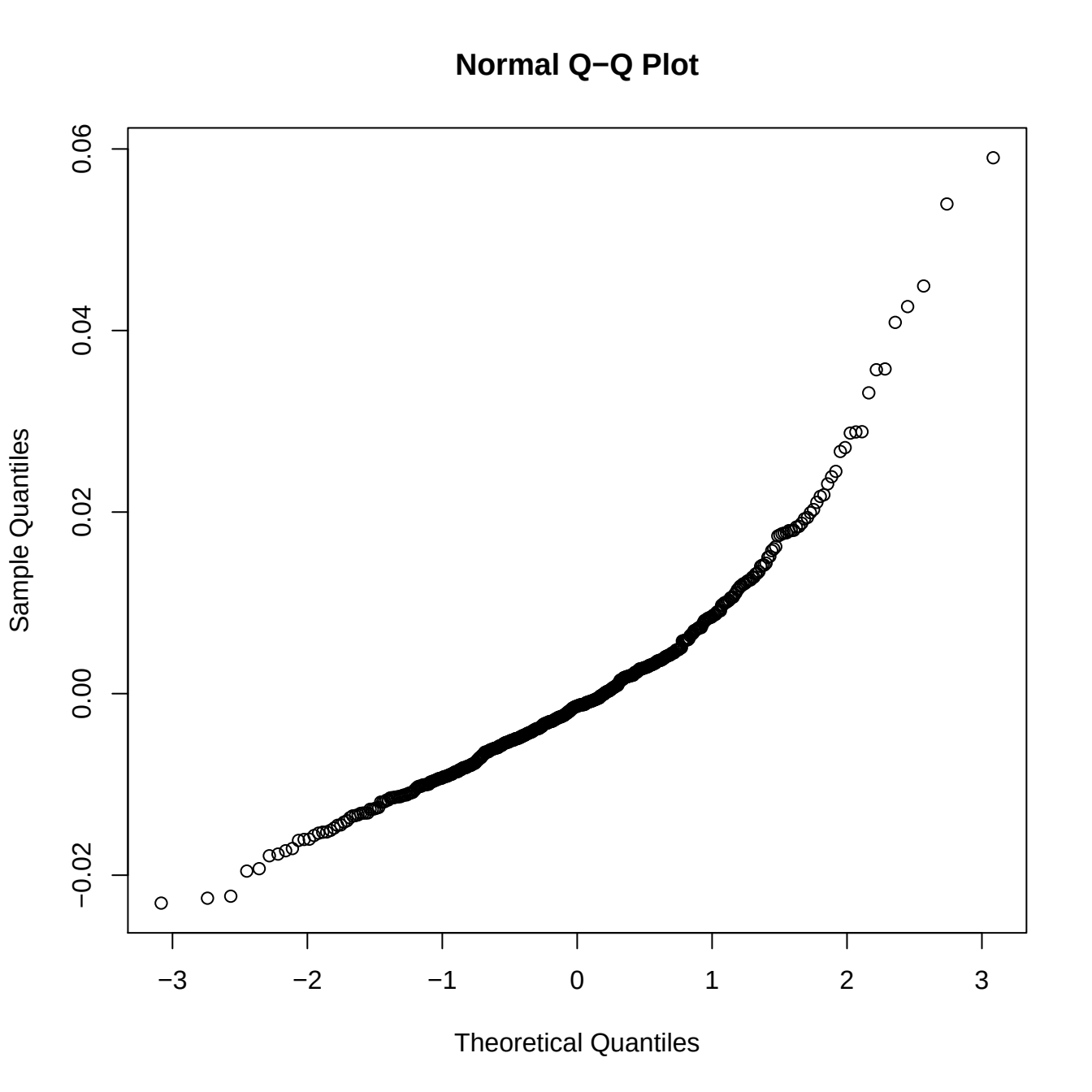

tiller_number_cbrt
1.0
1.1
1.2
1.3
1.4
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

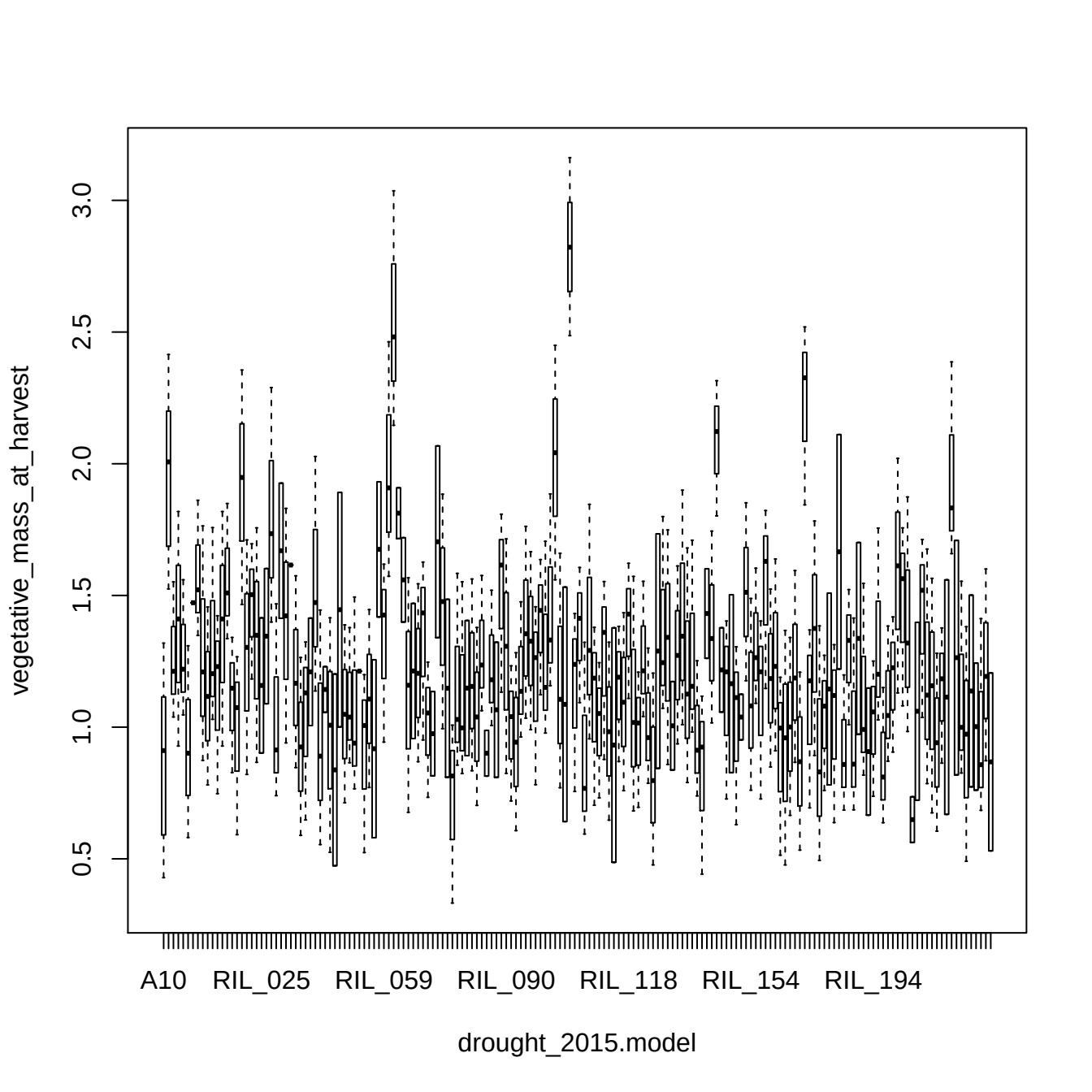

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−0.2
−0.1
0.0
0.1
0.2
0.3
0.4
−3
−2
−1
0
1
2
3

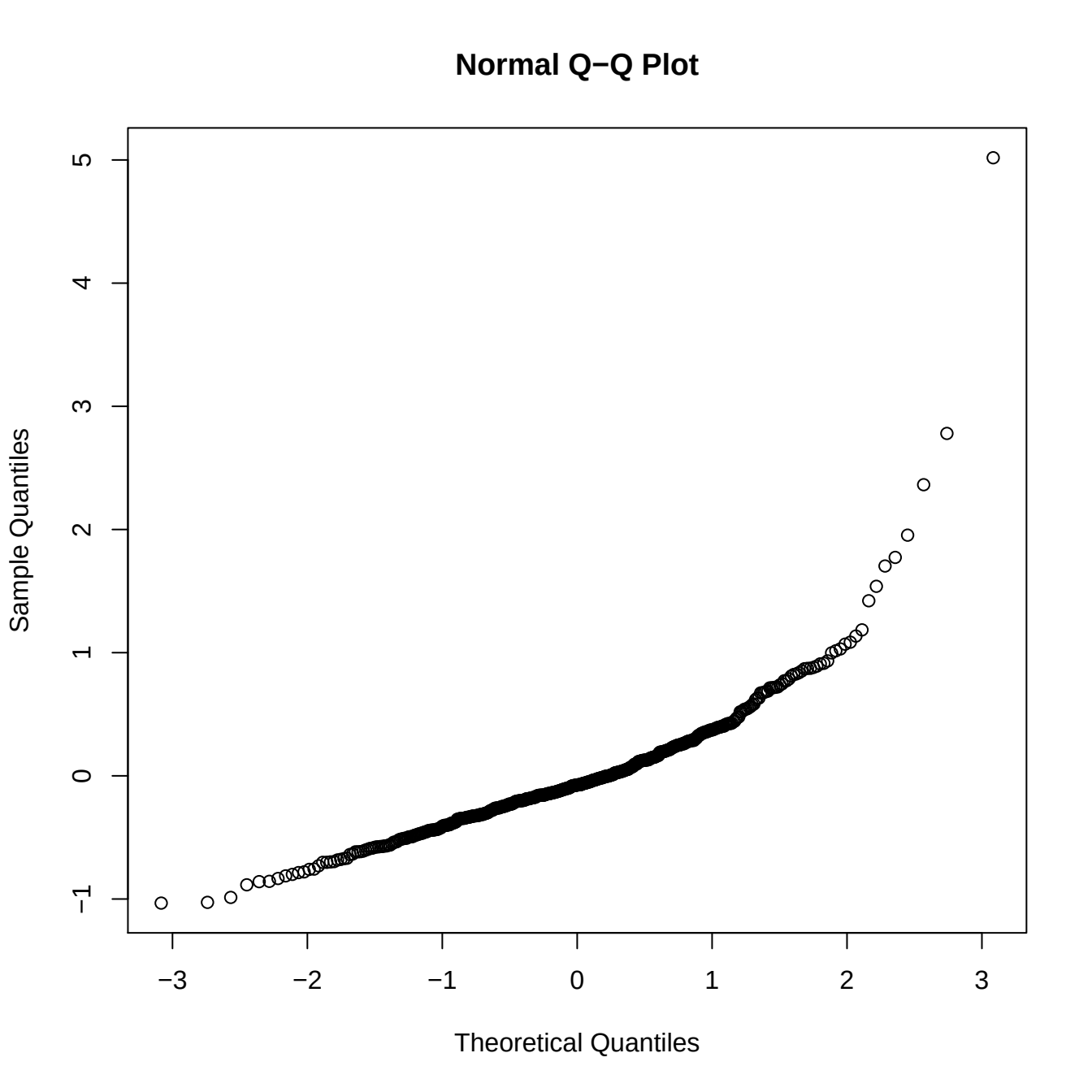

total_mass_at_harvest
1
2
3
4
5
6
7
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model

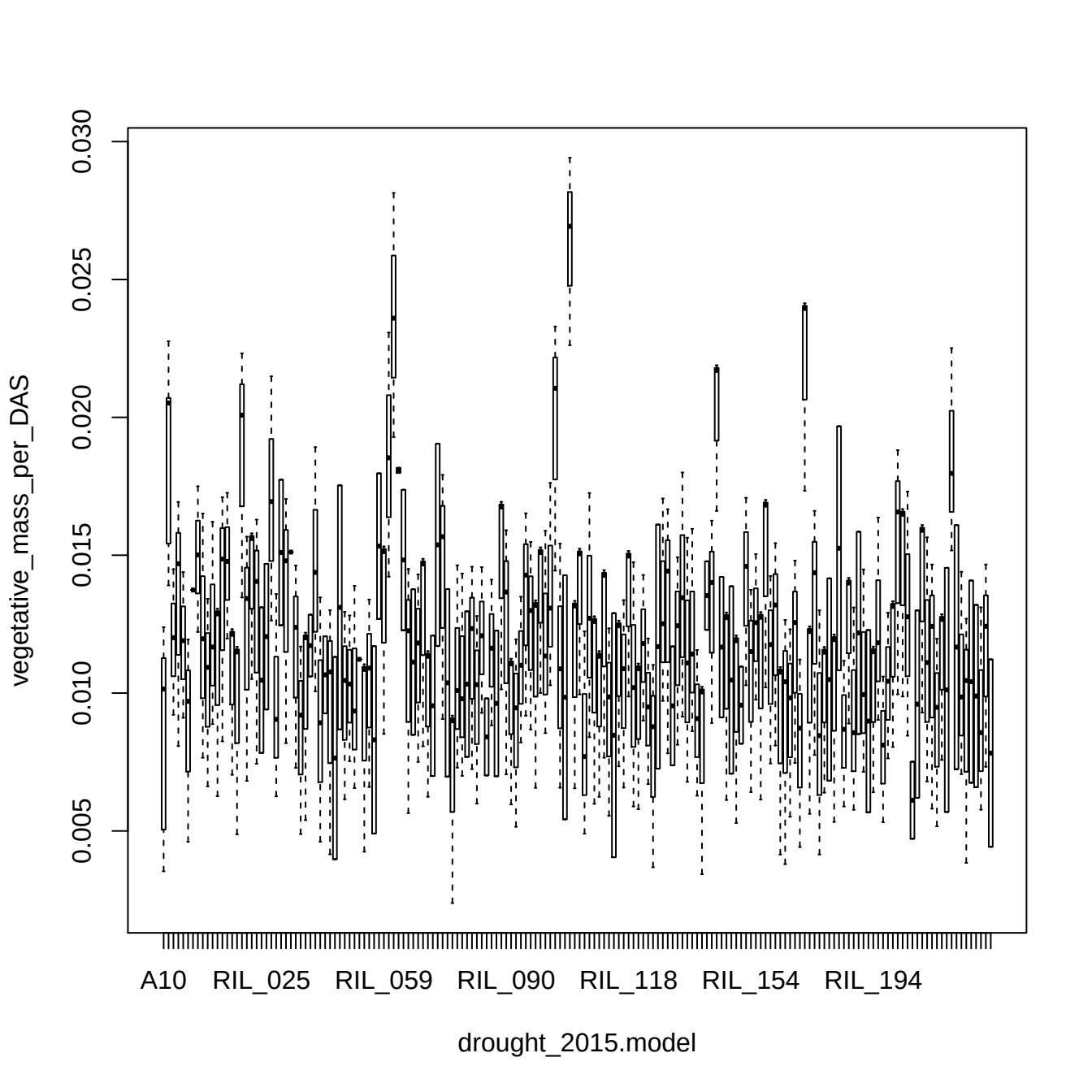

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
6
4
2
0
−2
−3
−2
−1
0
1
2
3

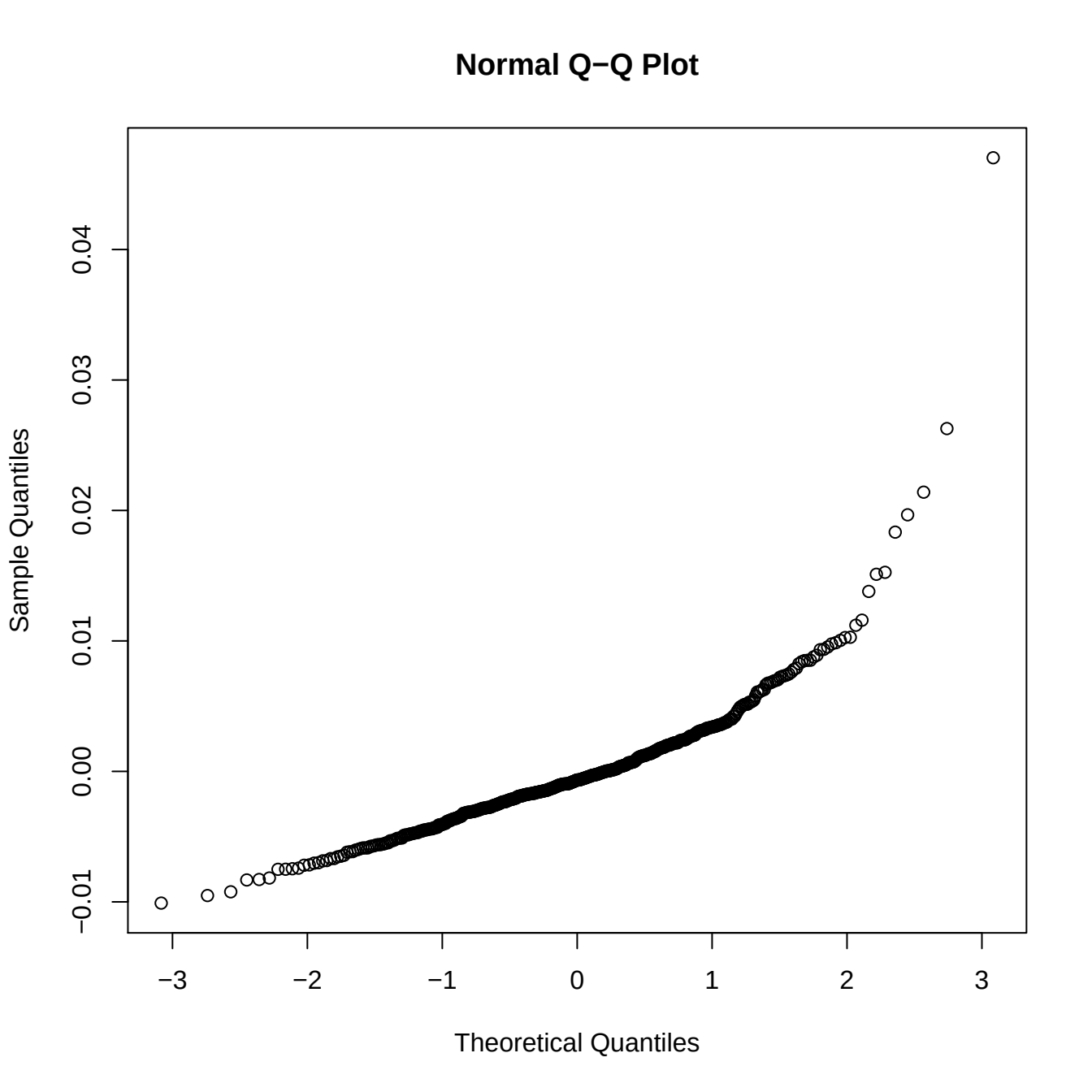

total_mass_per_DAS
0.01
0.02
0.03
0.04
0.05
0.06
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model


Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.06
0.04
0.02
0.00
−0.02
−3
−2
−1
0
1
2
3


vegetative_mass_at_harvest
0.5
1.0
1.5
2.0
2.5
3.0
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model


Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−3
−2
−1
0
1
2
3
−1
0
1
2
3
4
5


vegetative_mass_per_DAS
0.005
0.010
0.015
0.020
0.025
0.030
A10
RIL_025
RIL_059
RIL_090
RIL_118
RIL_154
RIL_194
drought_2015.model


Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−0.01
0.00
0.01
0.02
0.03
0.04
−3
−2
−1
0
1
2
3