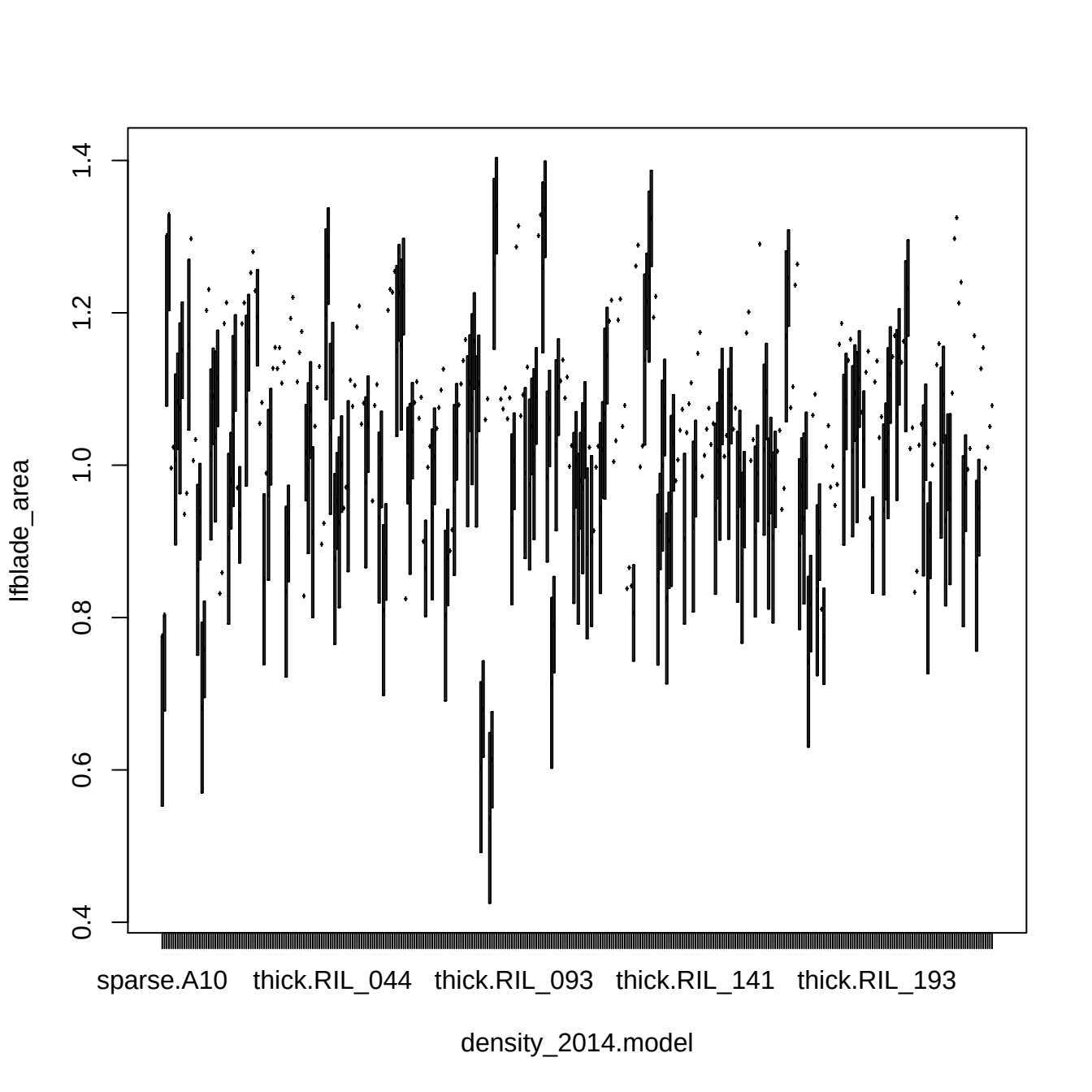
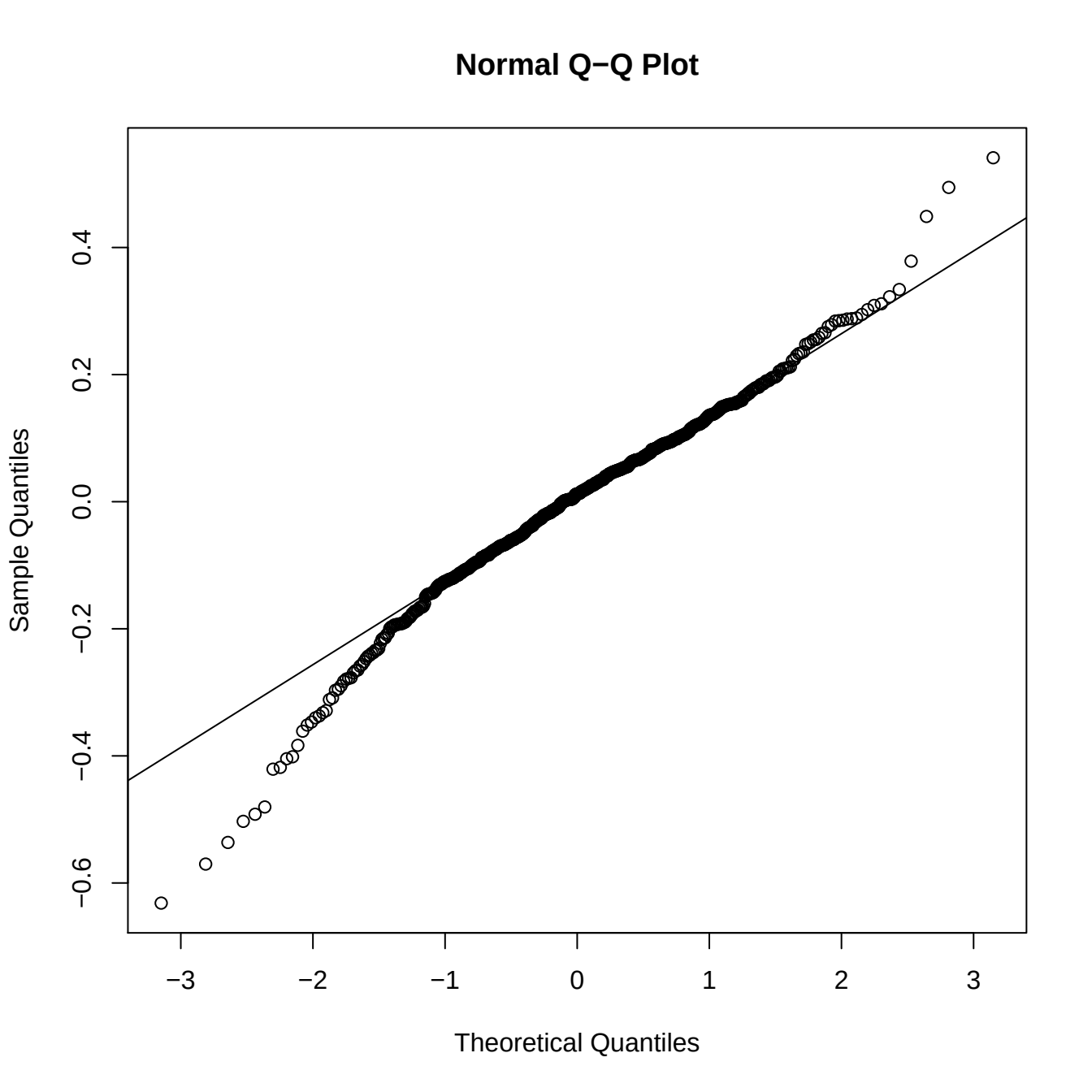
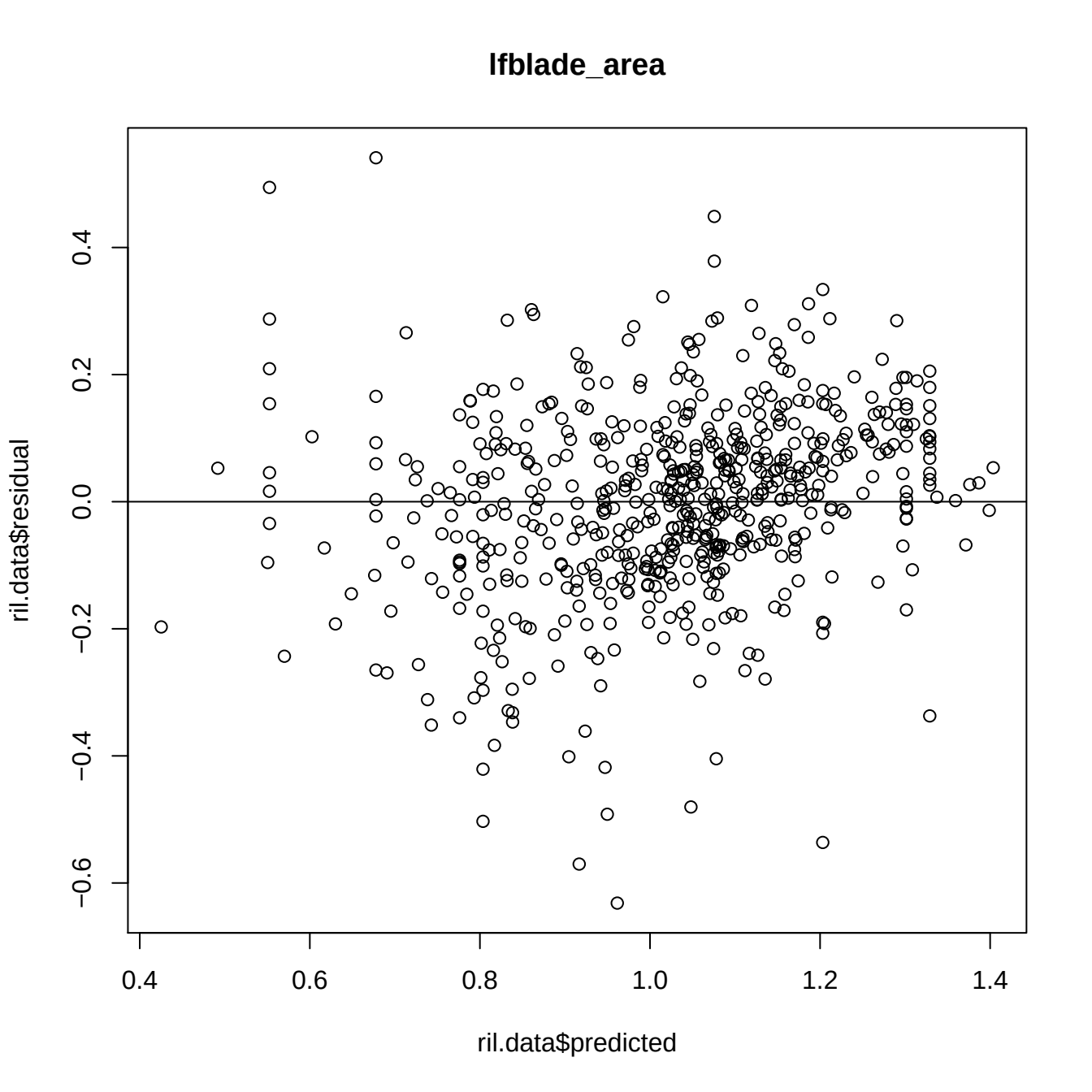
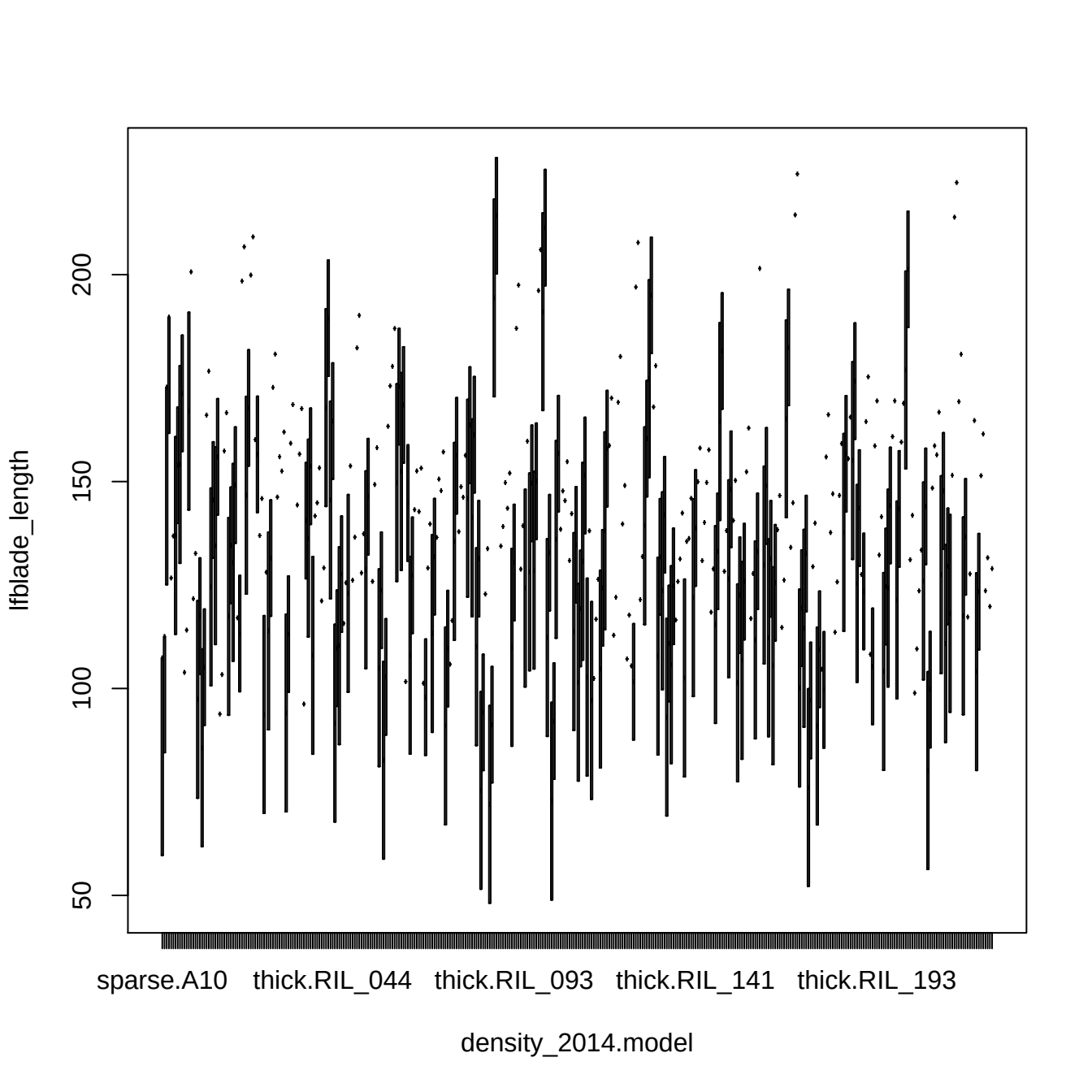
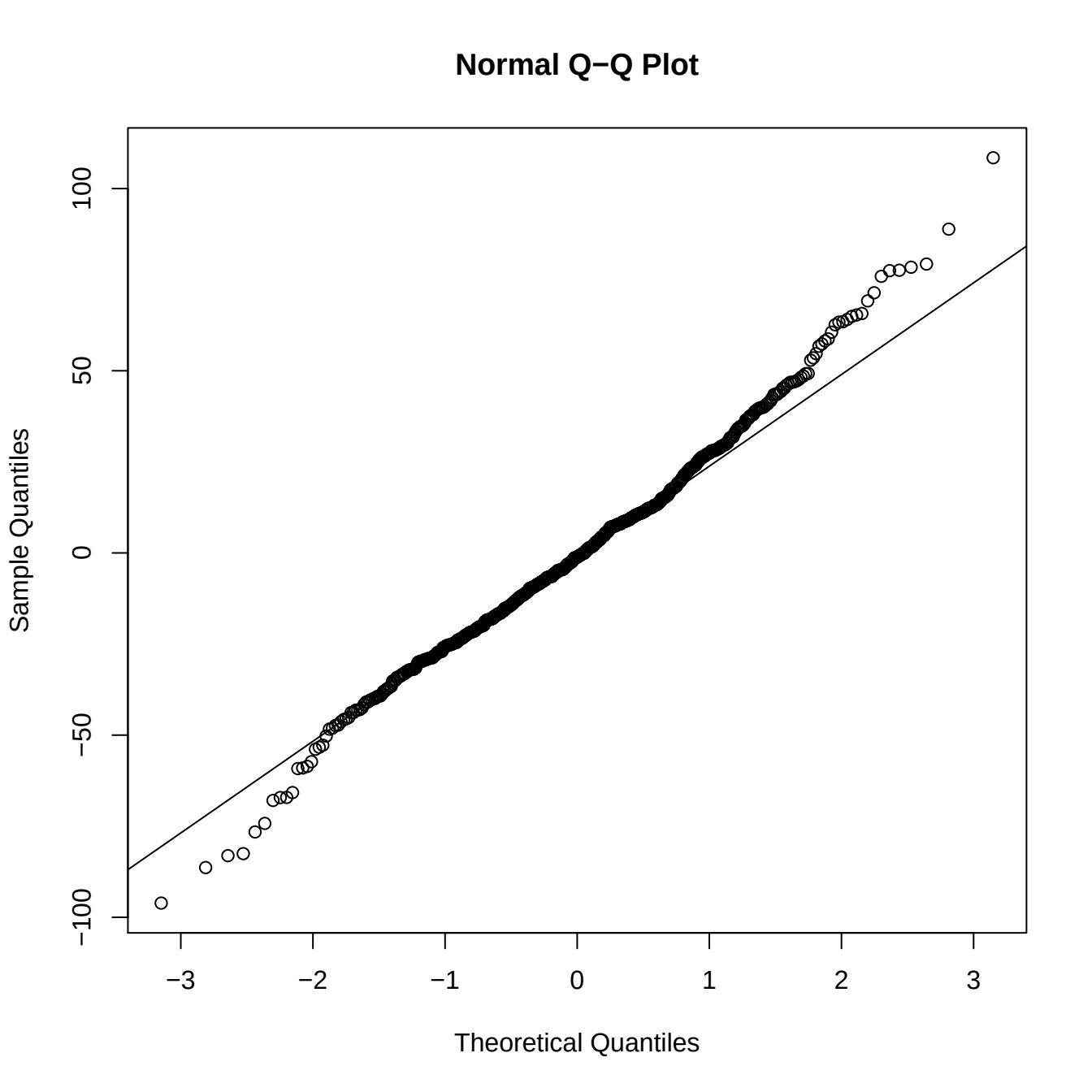
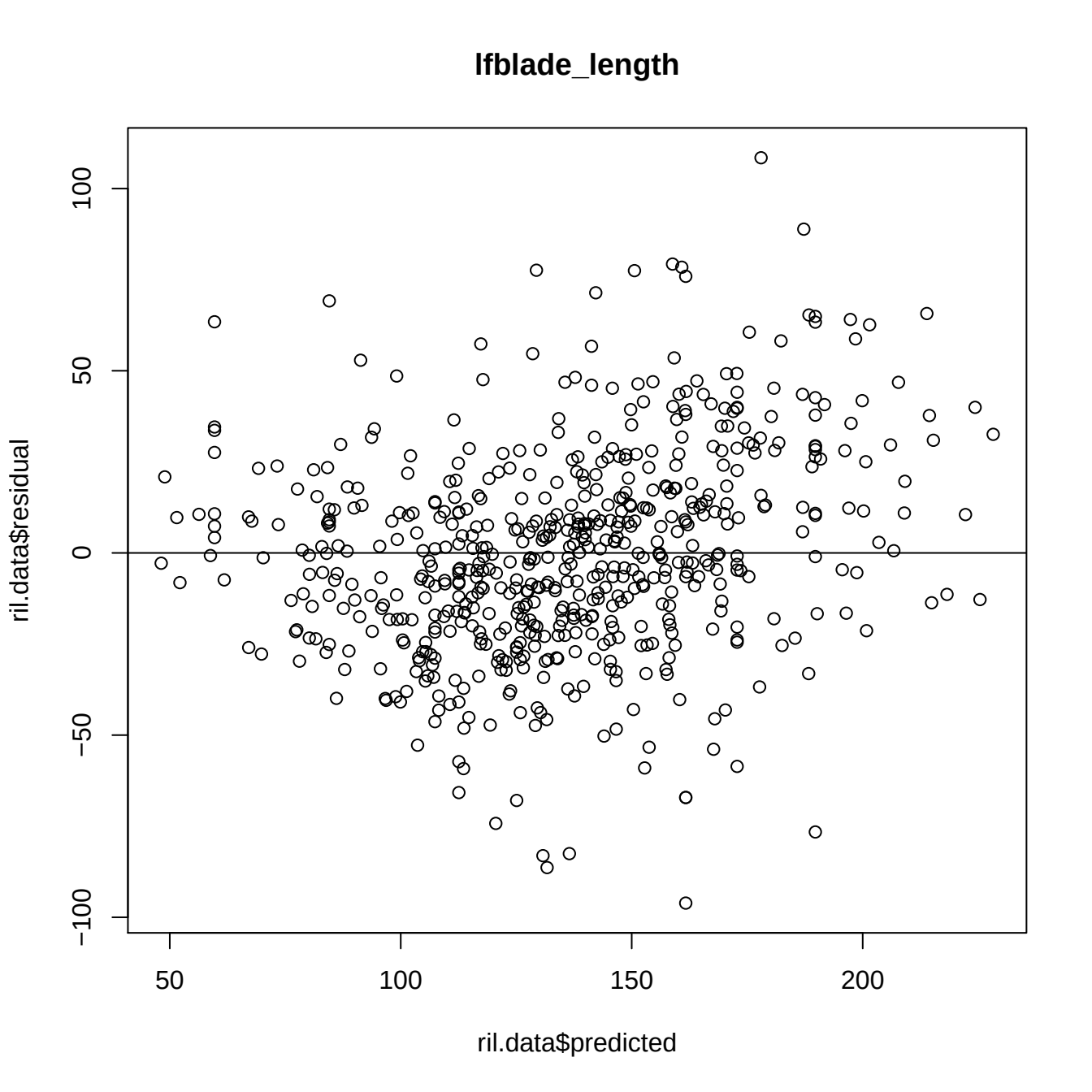

lfblade_area
0.4
0.6
0.8
1.0
1.2
1.4
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

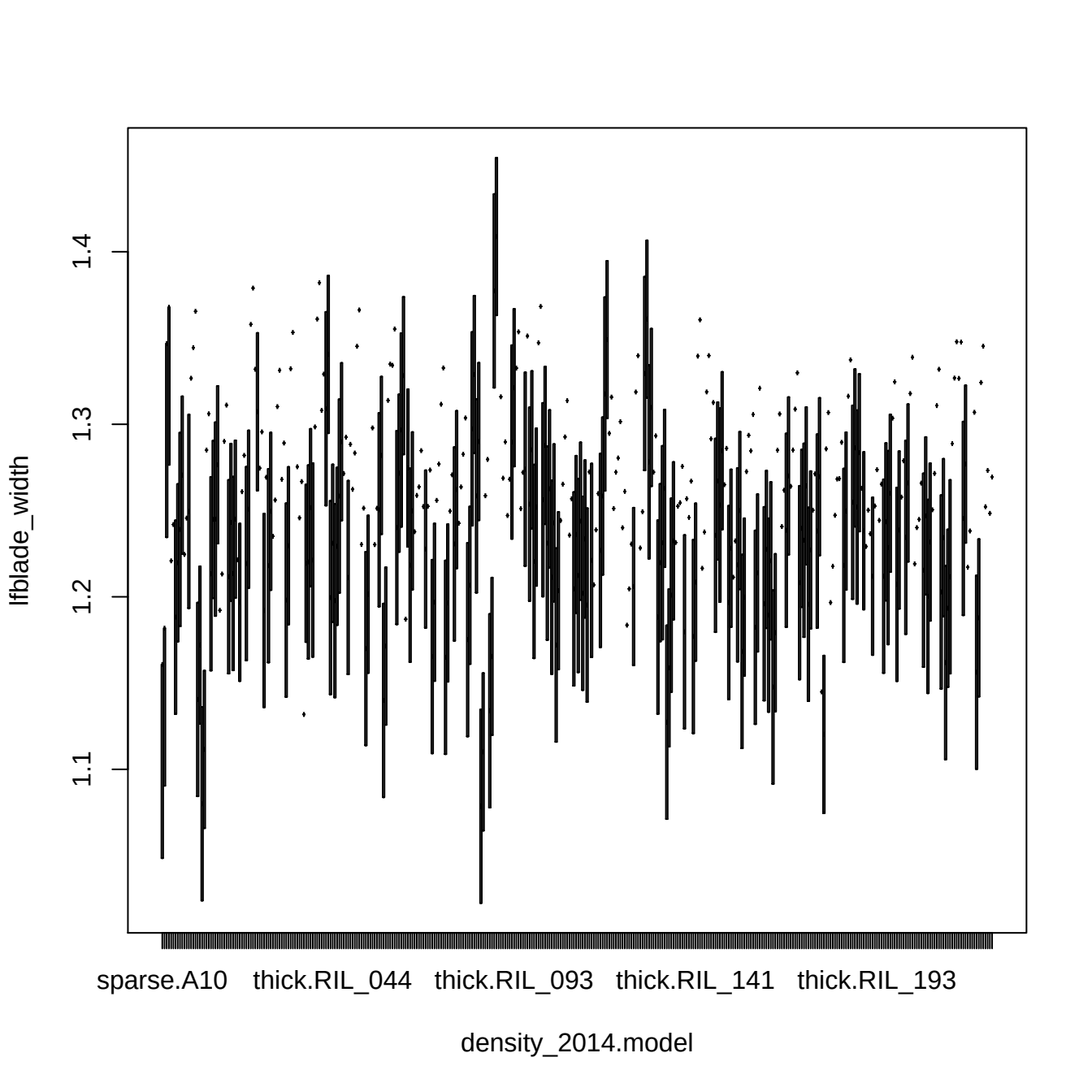

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.4
0.2
0.0
−0.2
−0.4
−0.6
−3
−2
−1
0
1
2
3

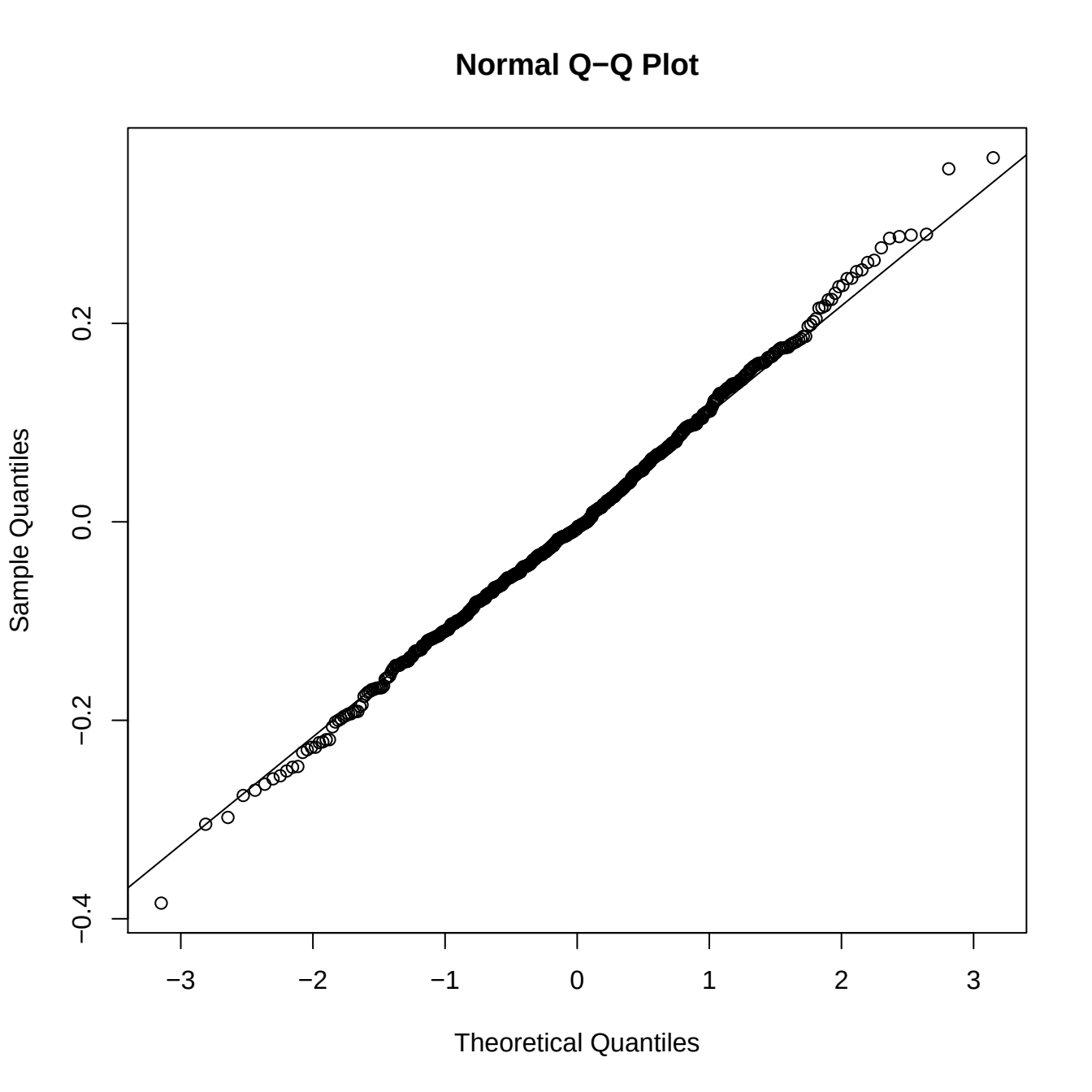

lfblade_area
ril.data$residual
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.4
0.6
0.8
1.0
1.2
1.4
ril.data$predicted

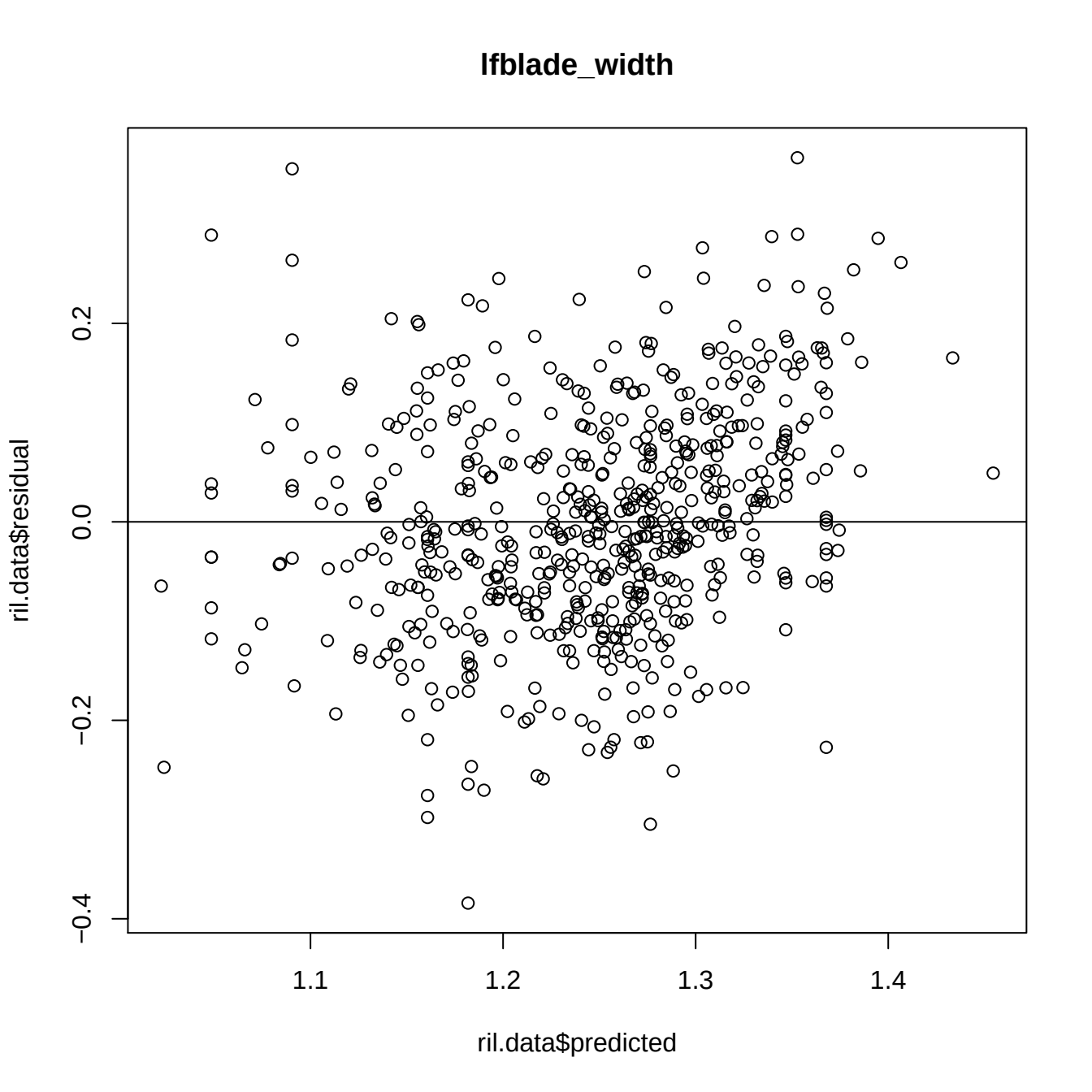

lfblade_length
50
100
150
200
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

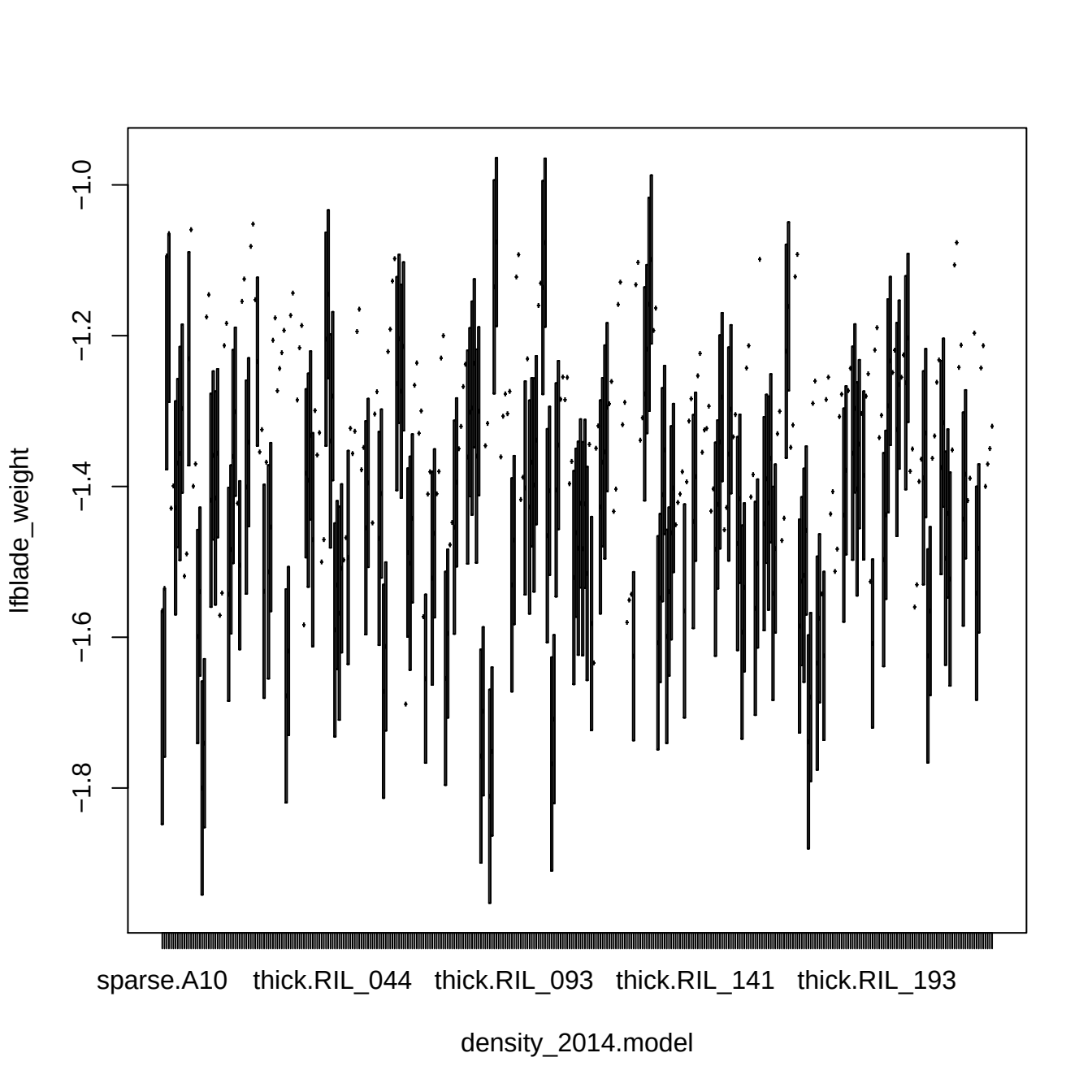

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
100
50
0
−50
−100
−3
−2
−1
0
1
2
3

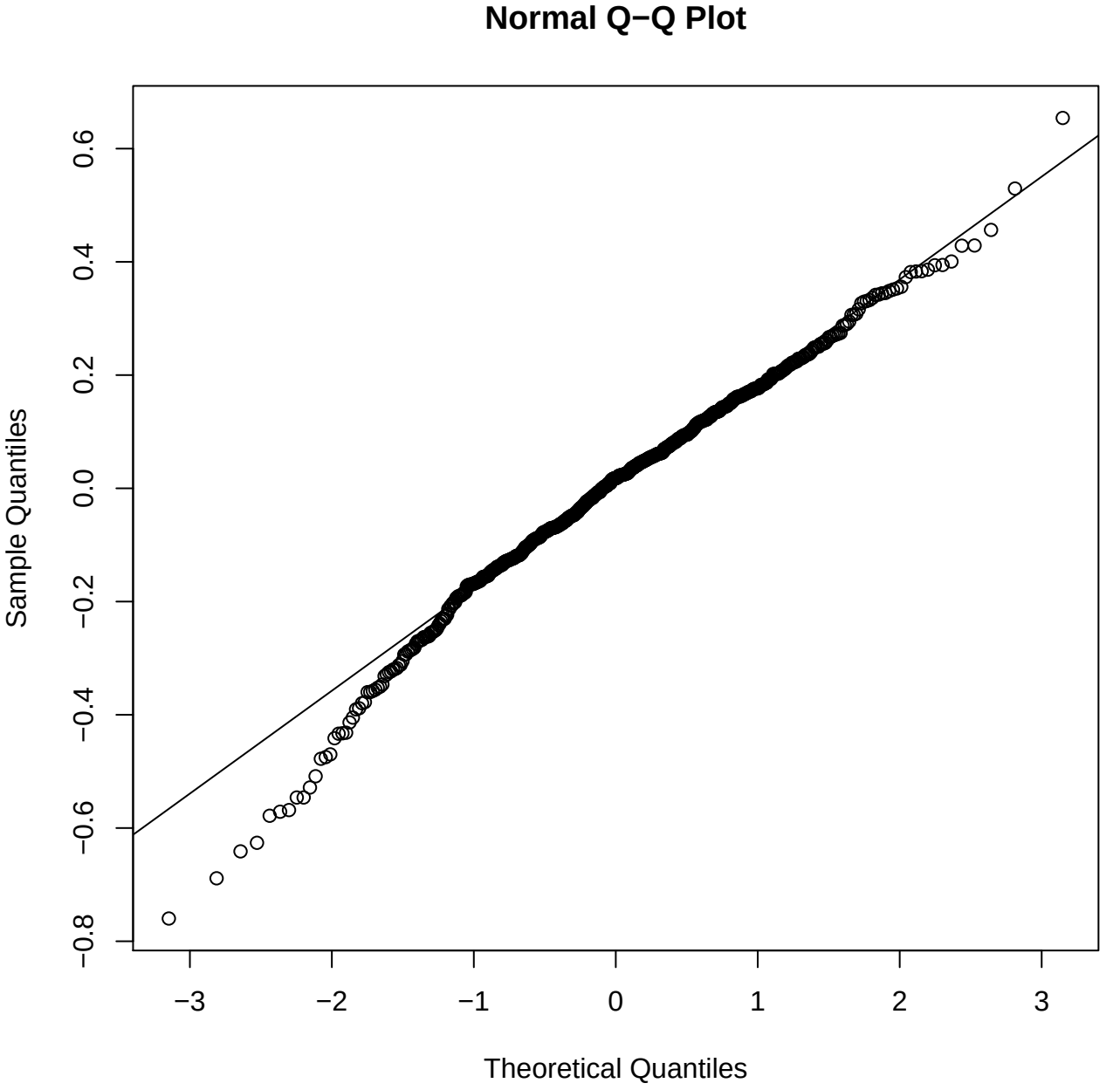

lfblade_length
ril.data$residual
100
50
0
−50
−100
50
100
150
200
ril.data$predicted

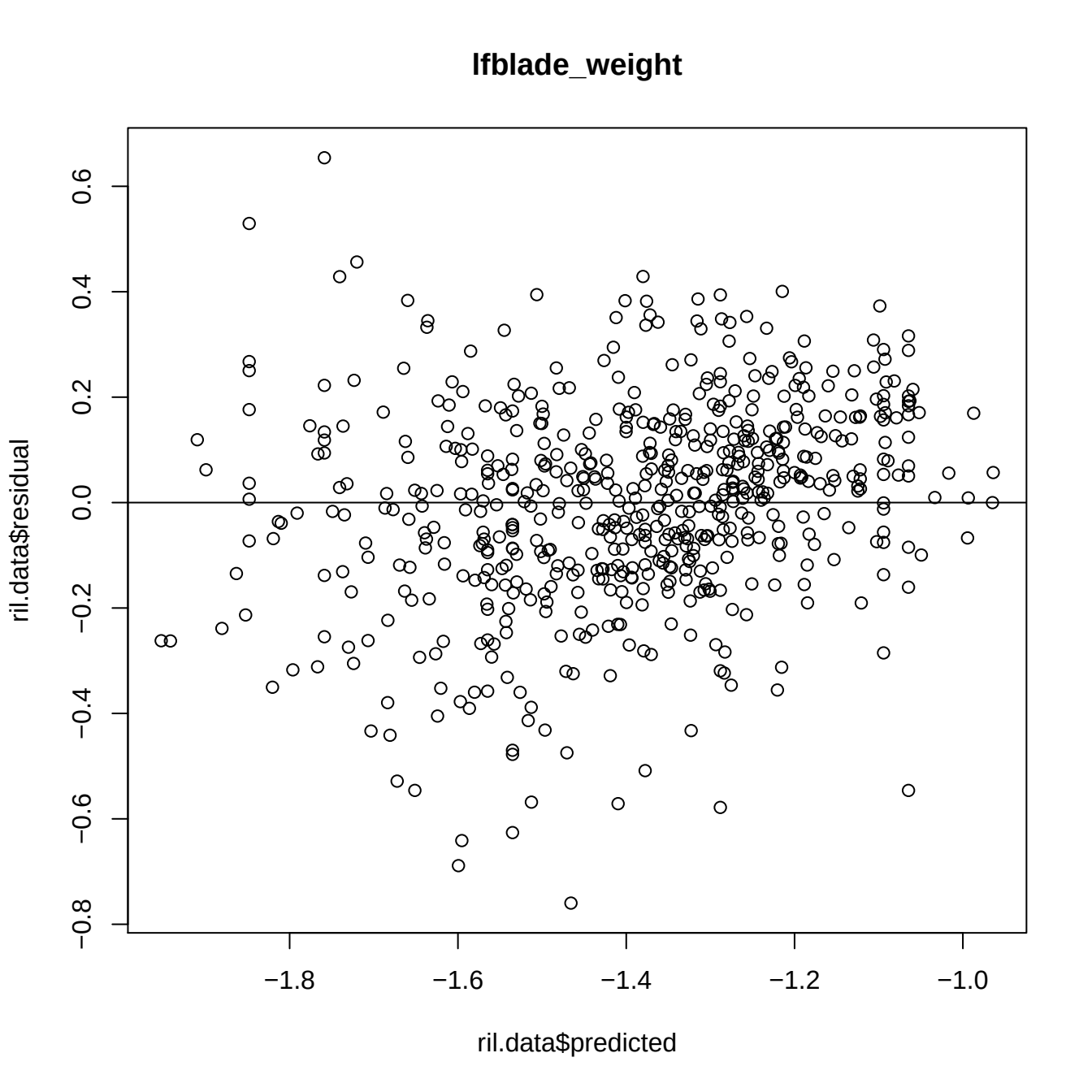

lfblade_width
1.1
1.2
1.3
1.4
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

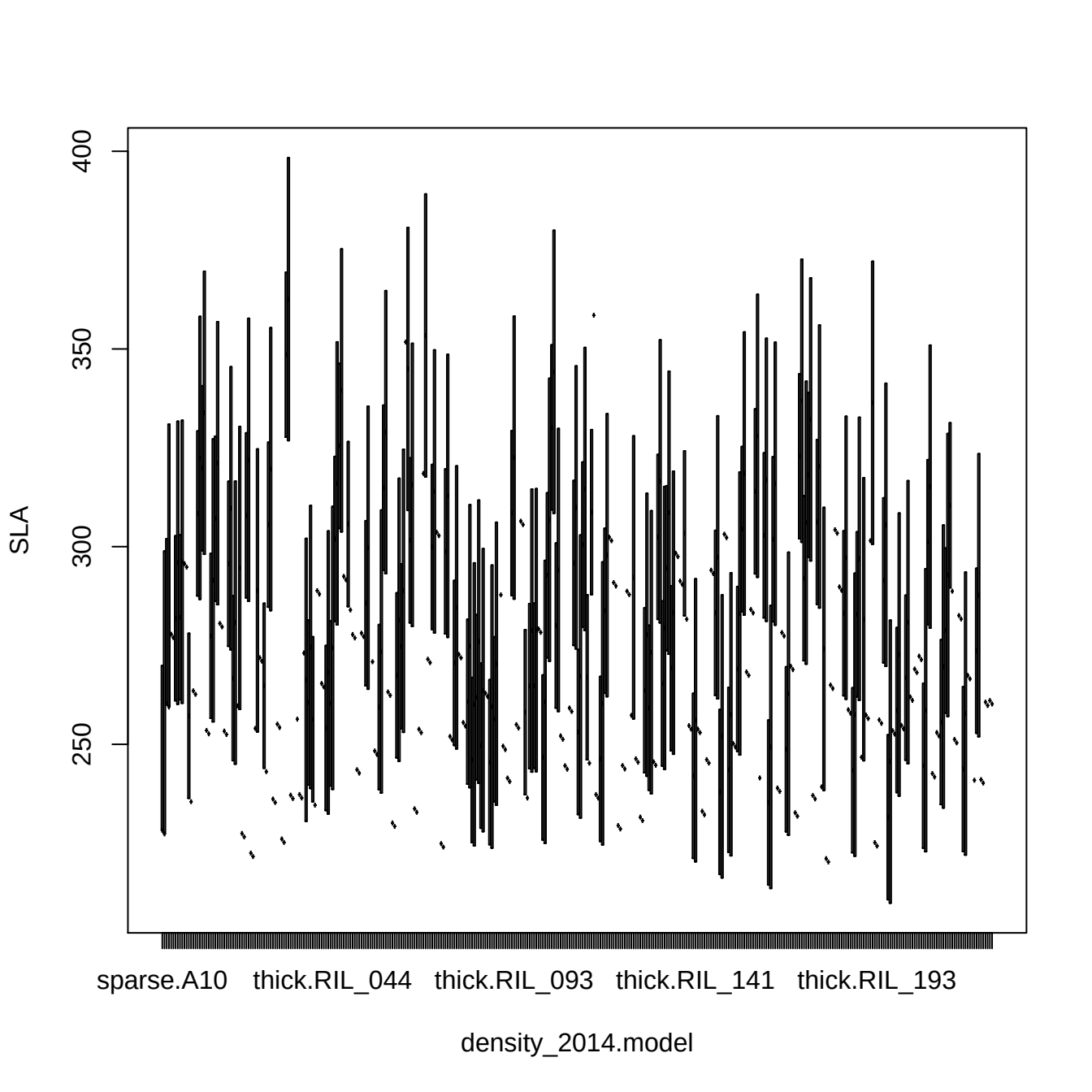

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.2
0.0
−0.2
−0.4
−3
−2
−1
0
1
2
3

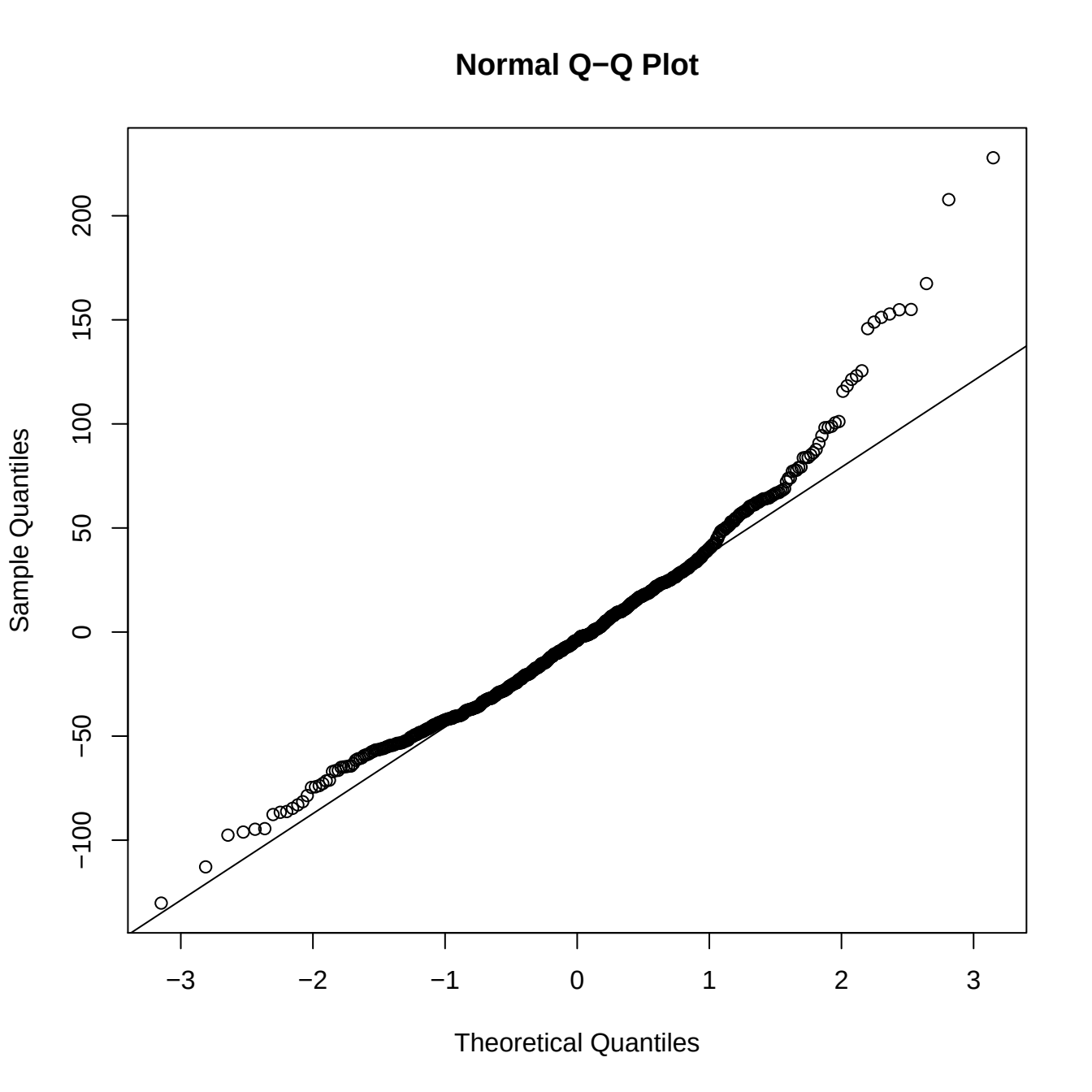

lfblade_width
ril.data$residual
0.2
0.0
−0.2
−0.4
1.1
1.2
1.3
1.4
ril.data$predicted

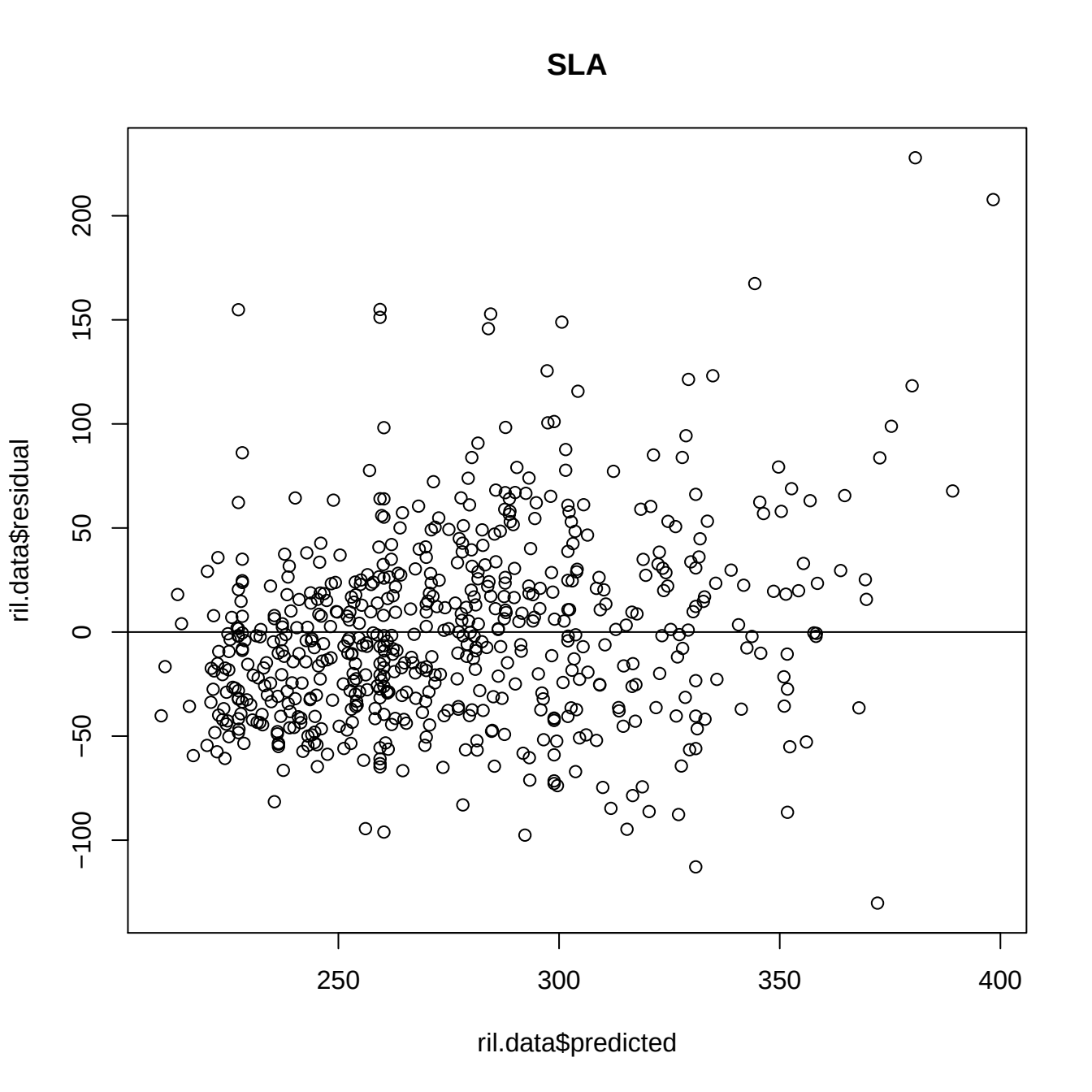

lfblade_weight
−1.0
−1.2
−1.4
−1.6
−1.8
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

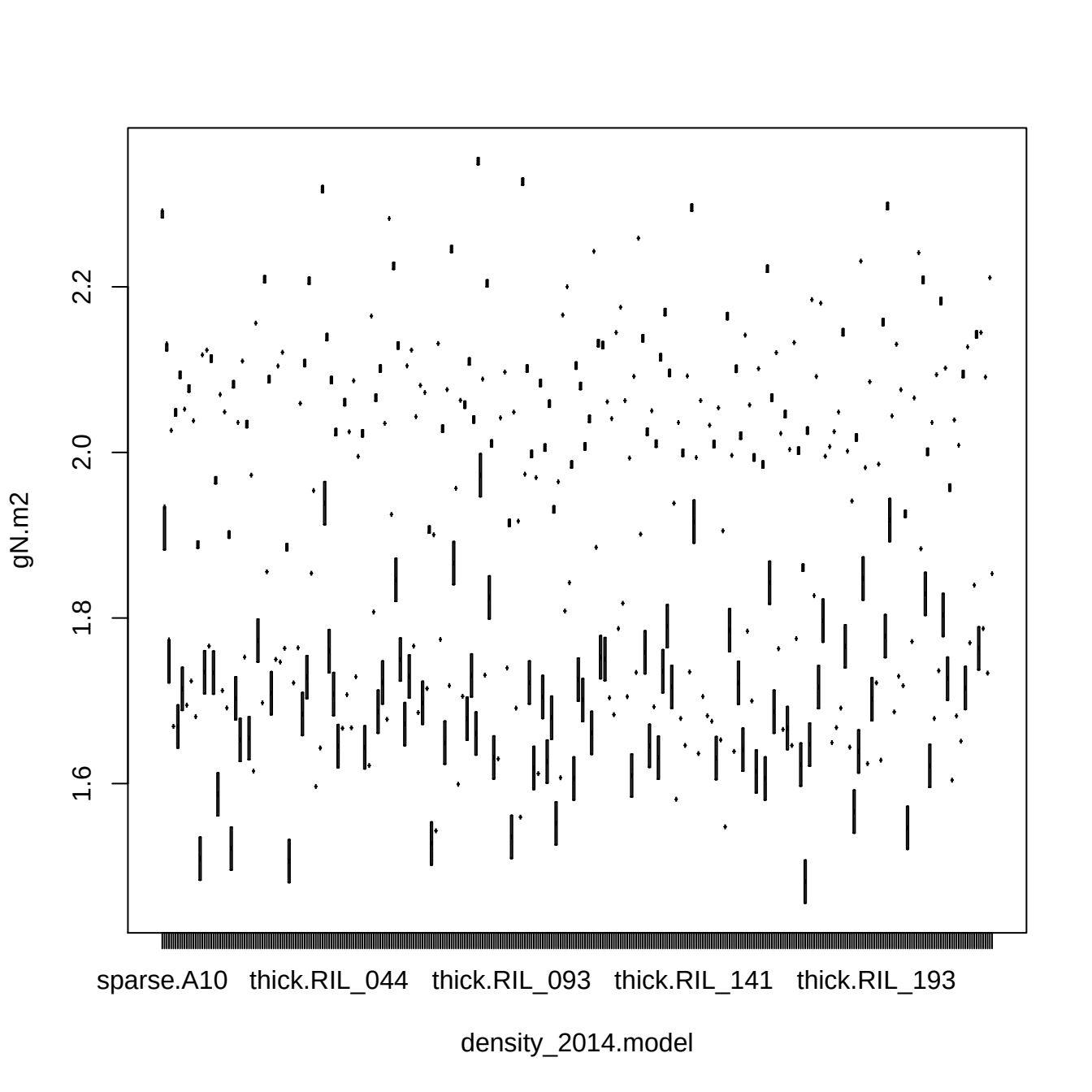

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−0.8
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
3

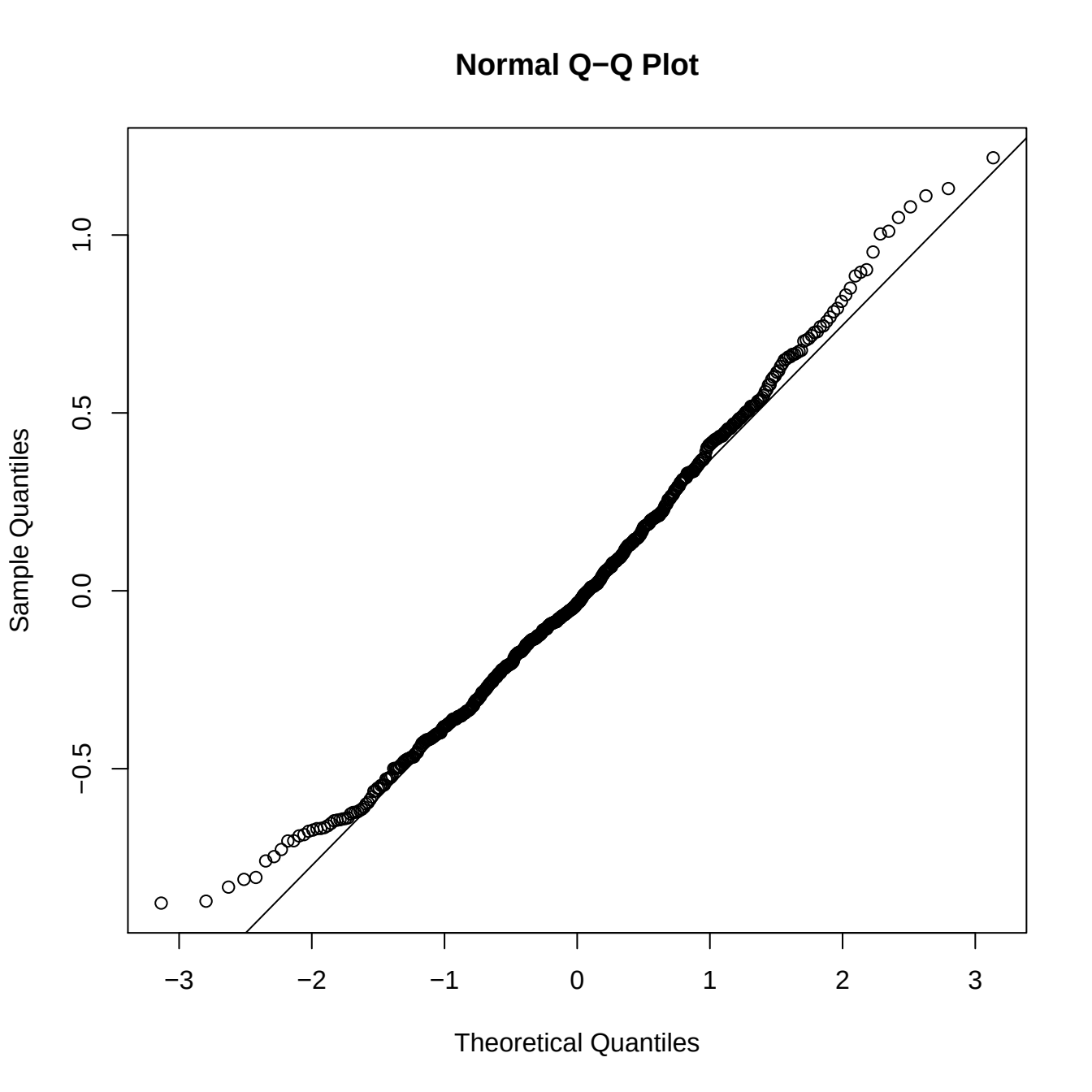

lfblade_weight
ril.data$residual
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.8
−1.6
−1.4
−1.2
−1.0
ril.data$predicted

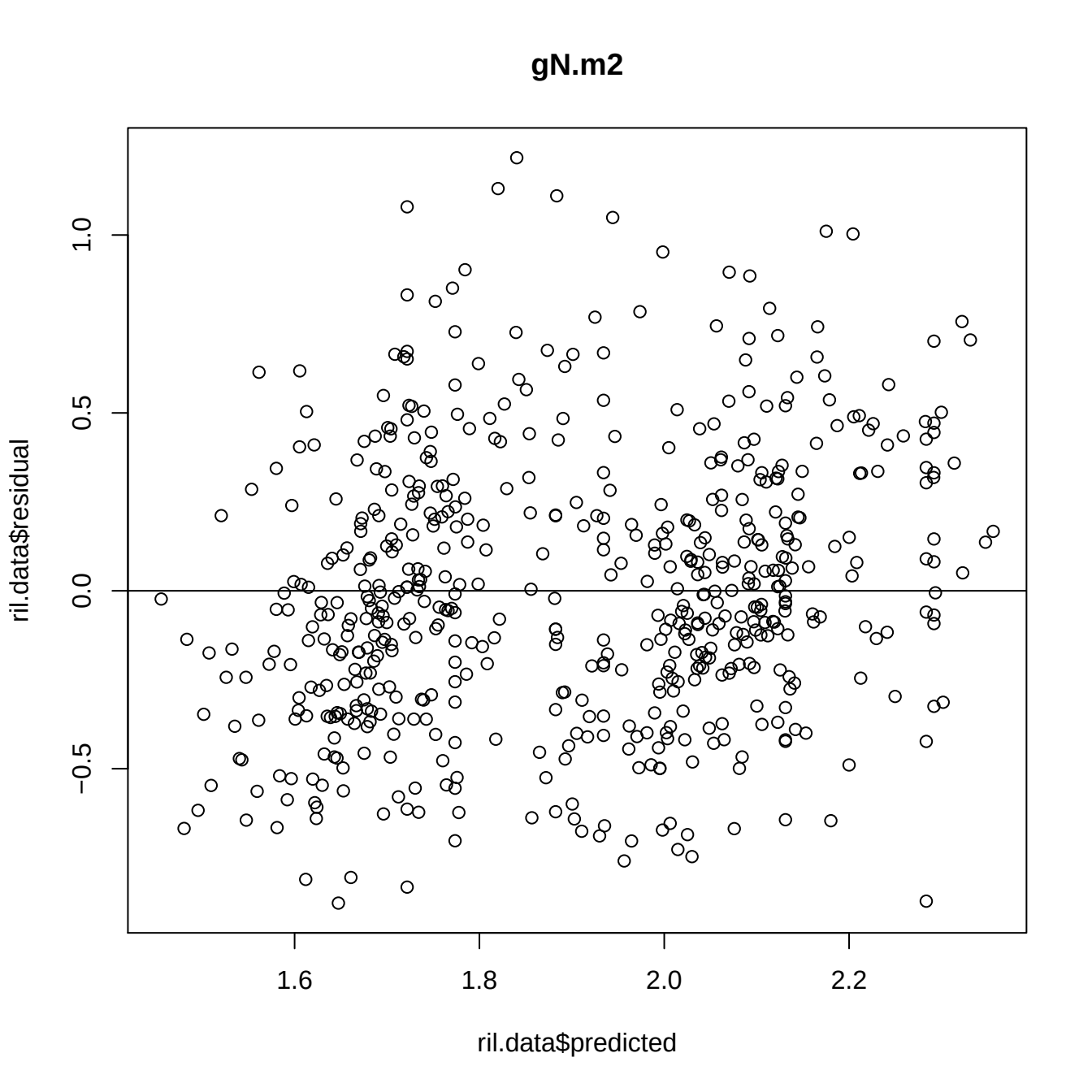

SLA
400
350
300
250
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

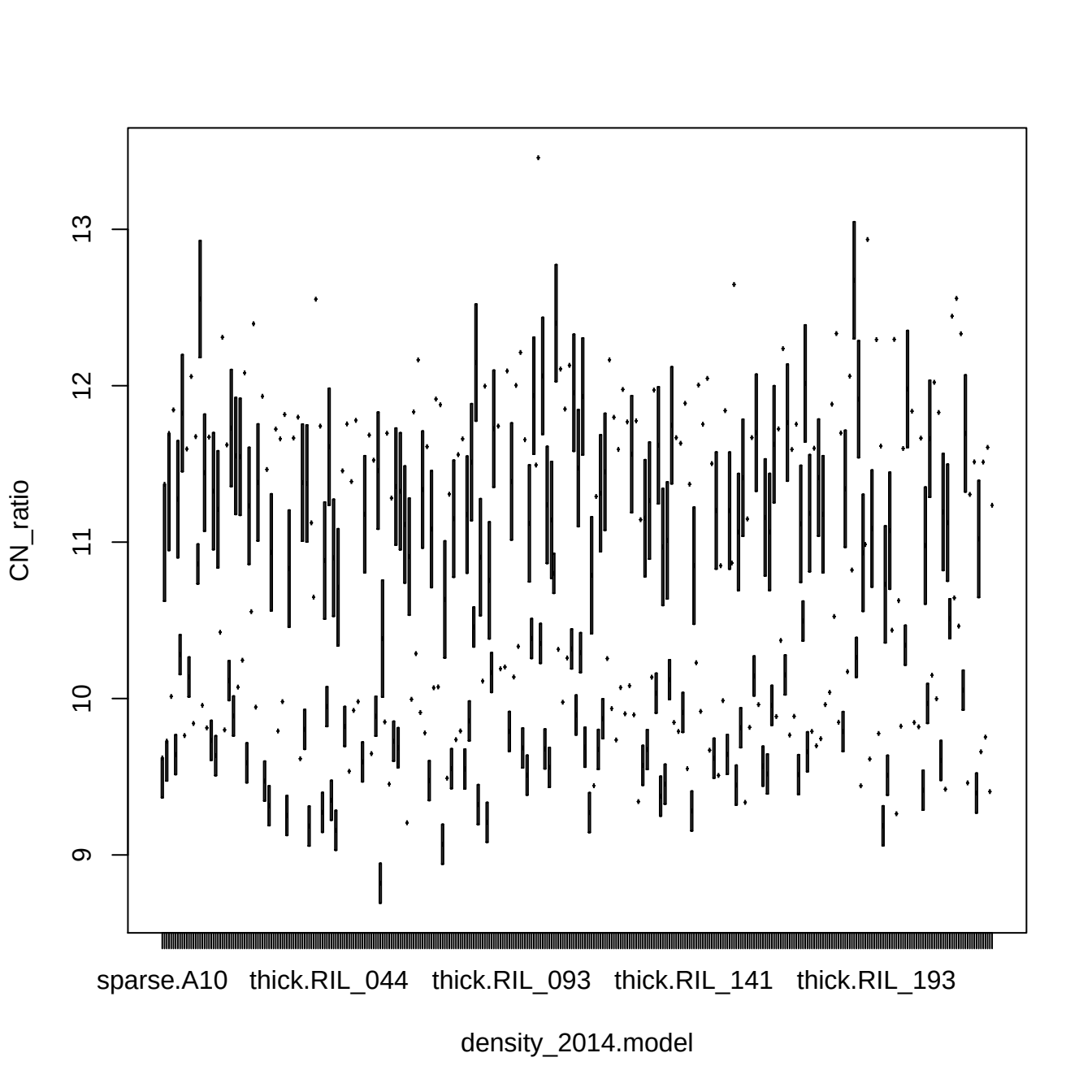

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−100
−50
0
50
100
150
200
−3
−2
−1
0
1
2
3

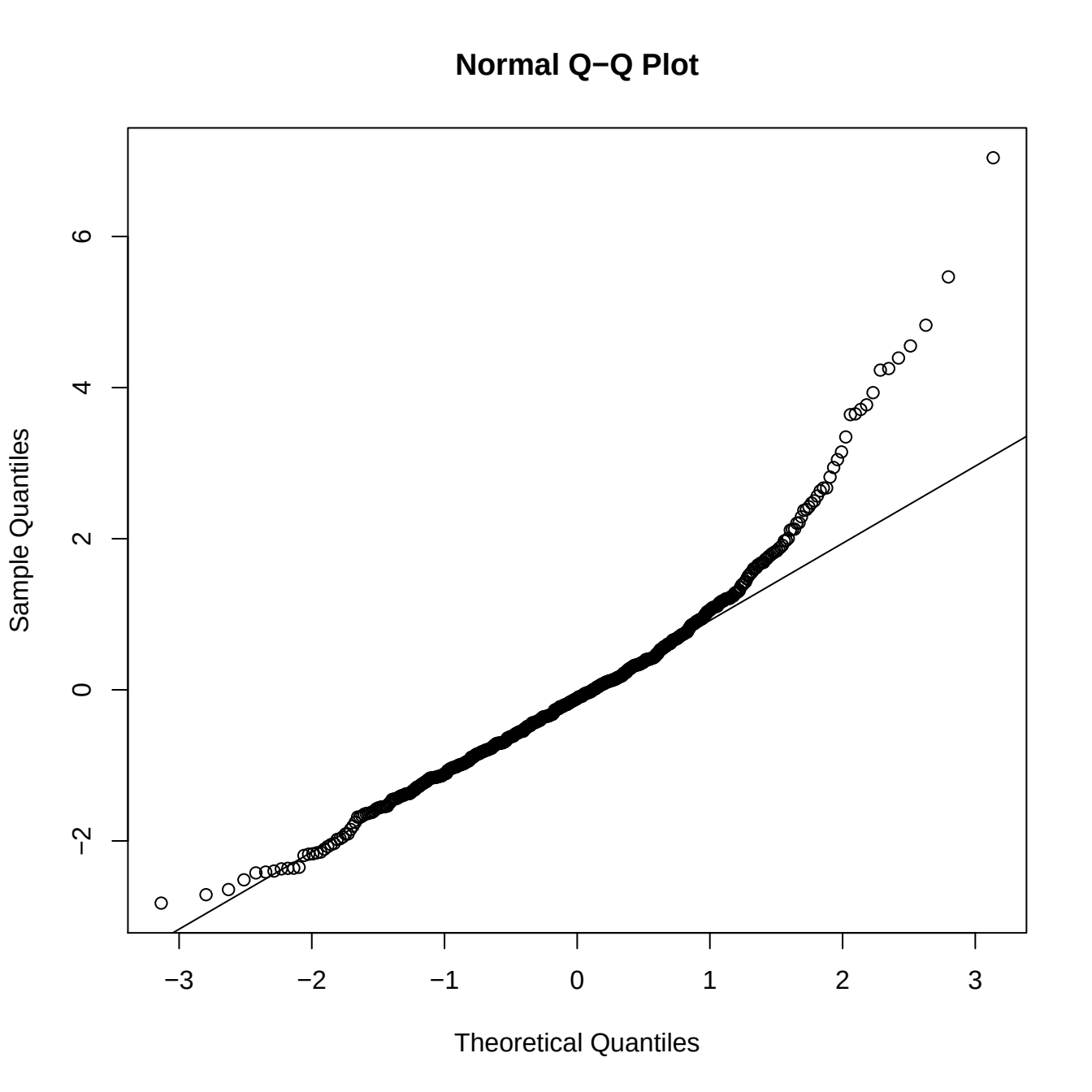

SLA
ril.data$residual
ril.data$predicted
200
150
100
50
0
−50
−100
250
300
350
400

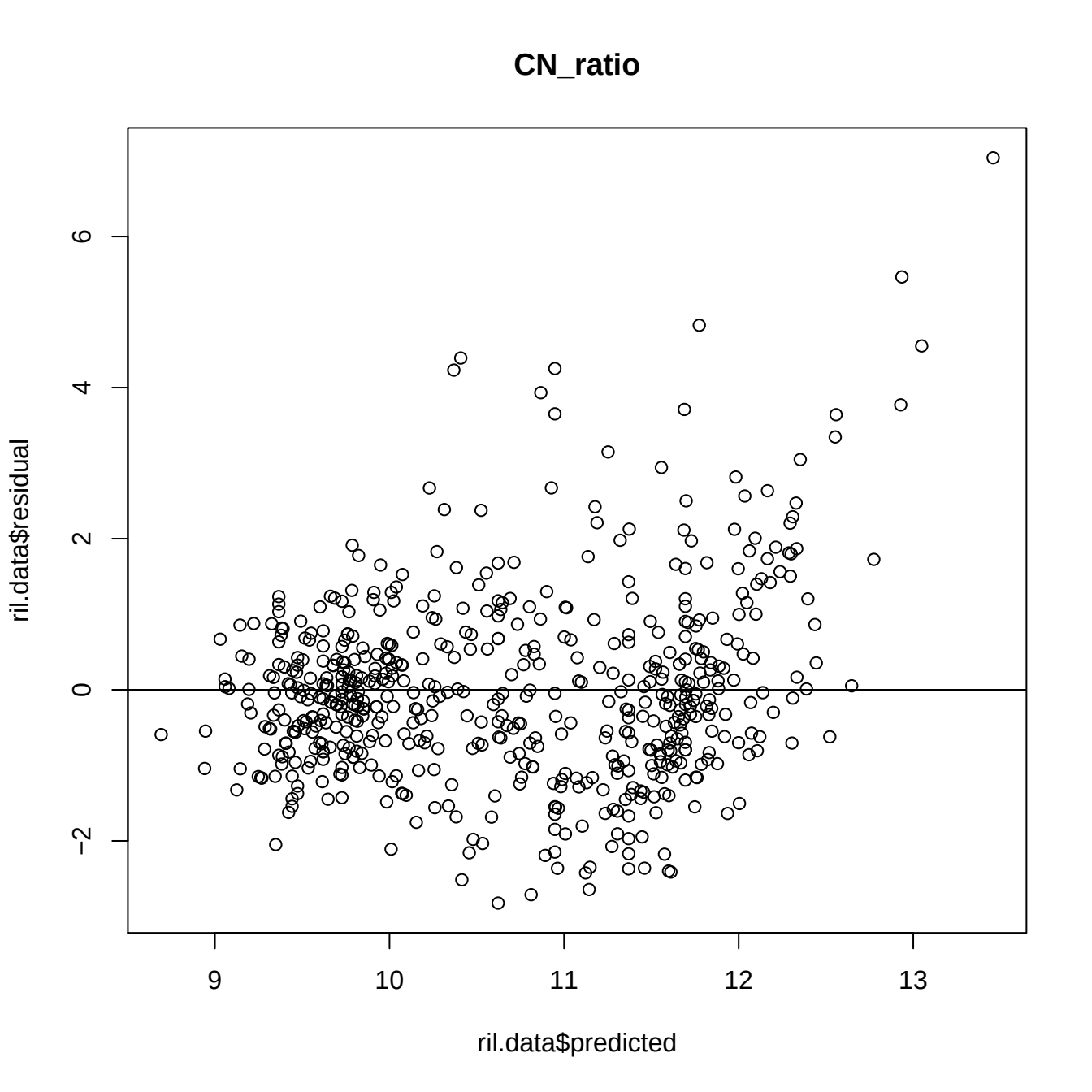

gN.m2
2.2
2.0
1.8
1.6
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

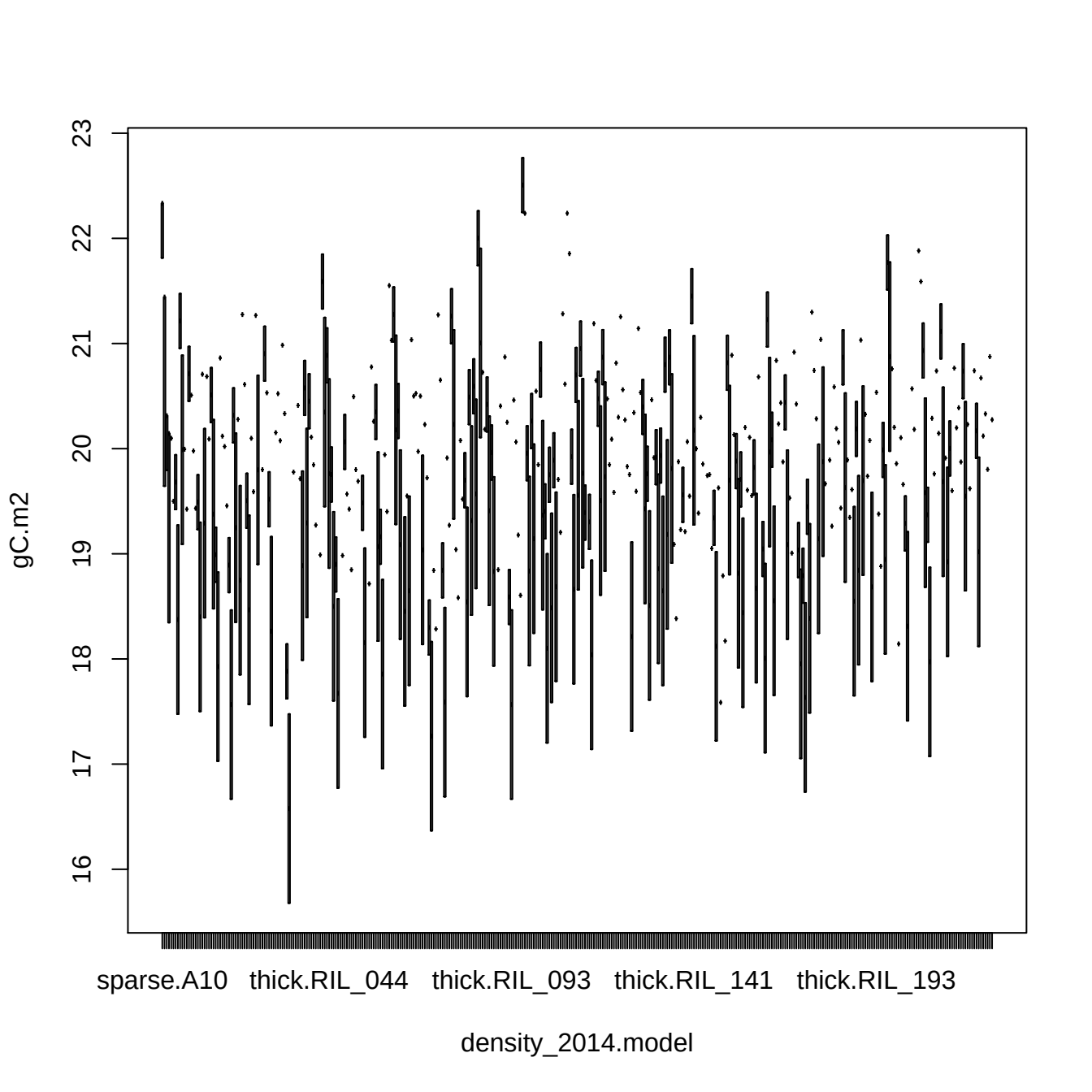

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−3
−2
−1
0
1
2
3

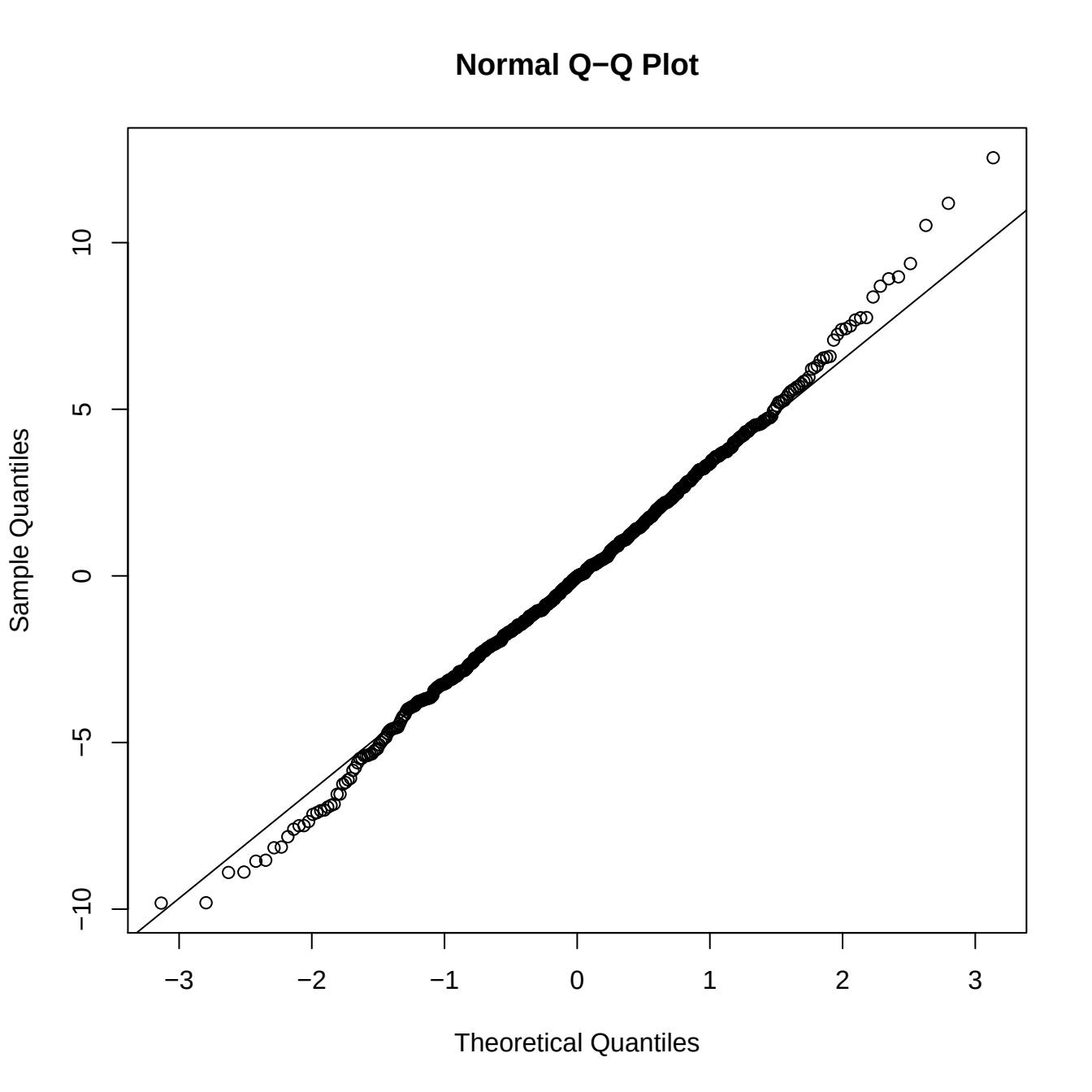

gN.m2
ril.data$residual
1.0
0.5
0.0
−0.5
1.6
1.8
2.0
2.2
ril.data$predicted

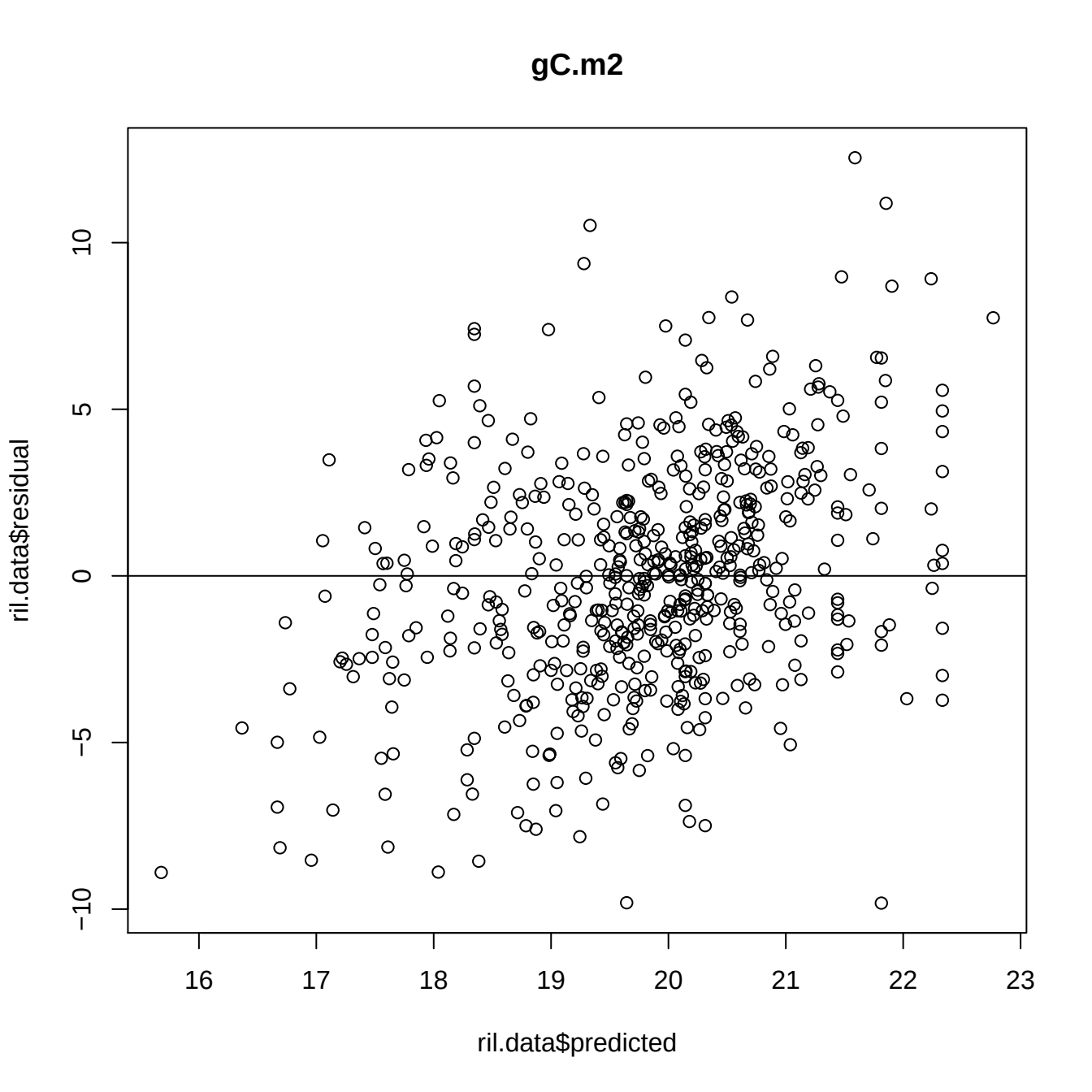

CN_ratio
9
10
11
12
13
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

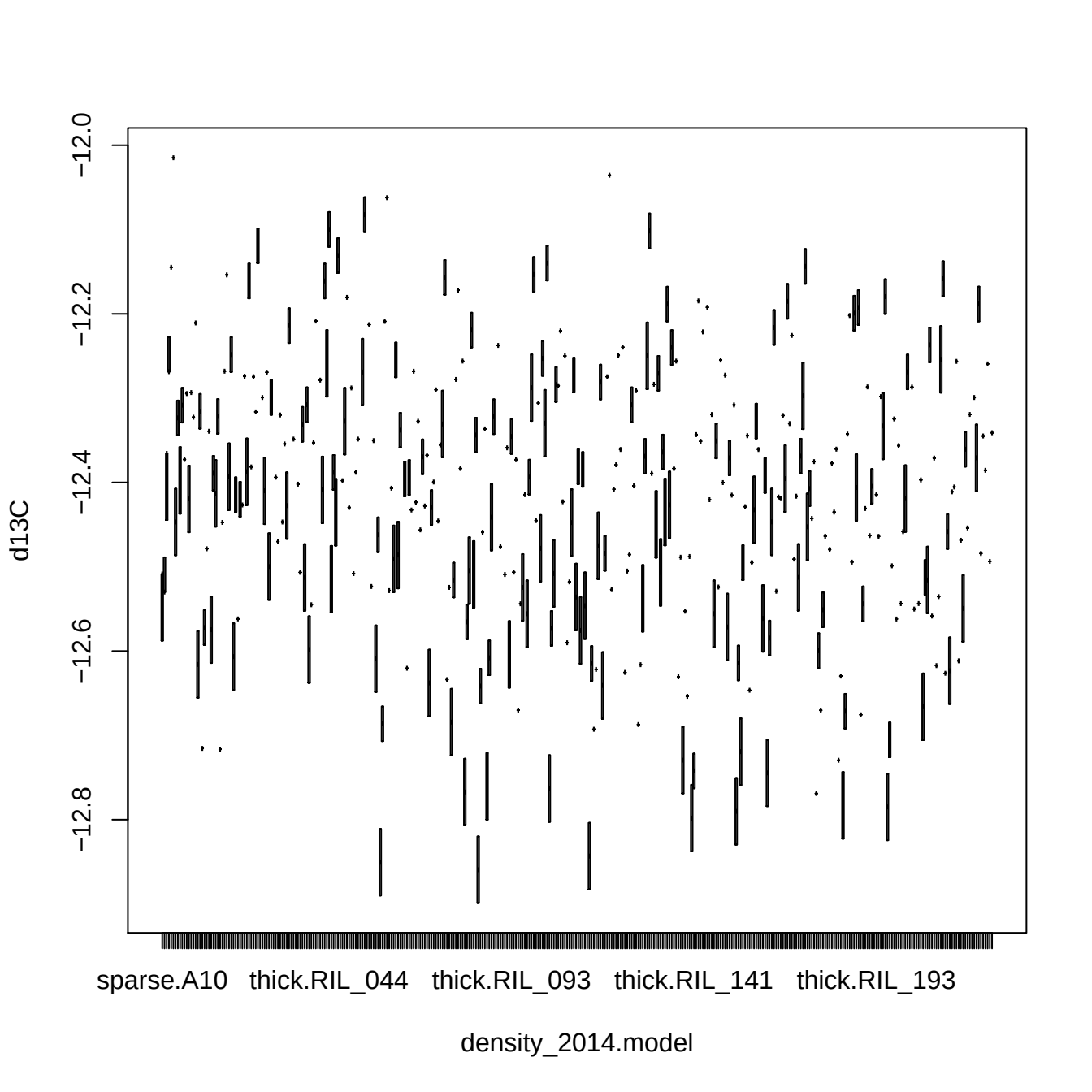

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
6
4
2
0
−2
−3
−2
−1
0
1
2
3

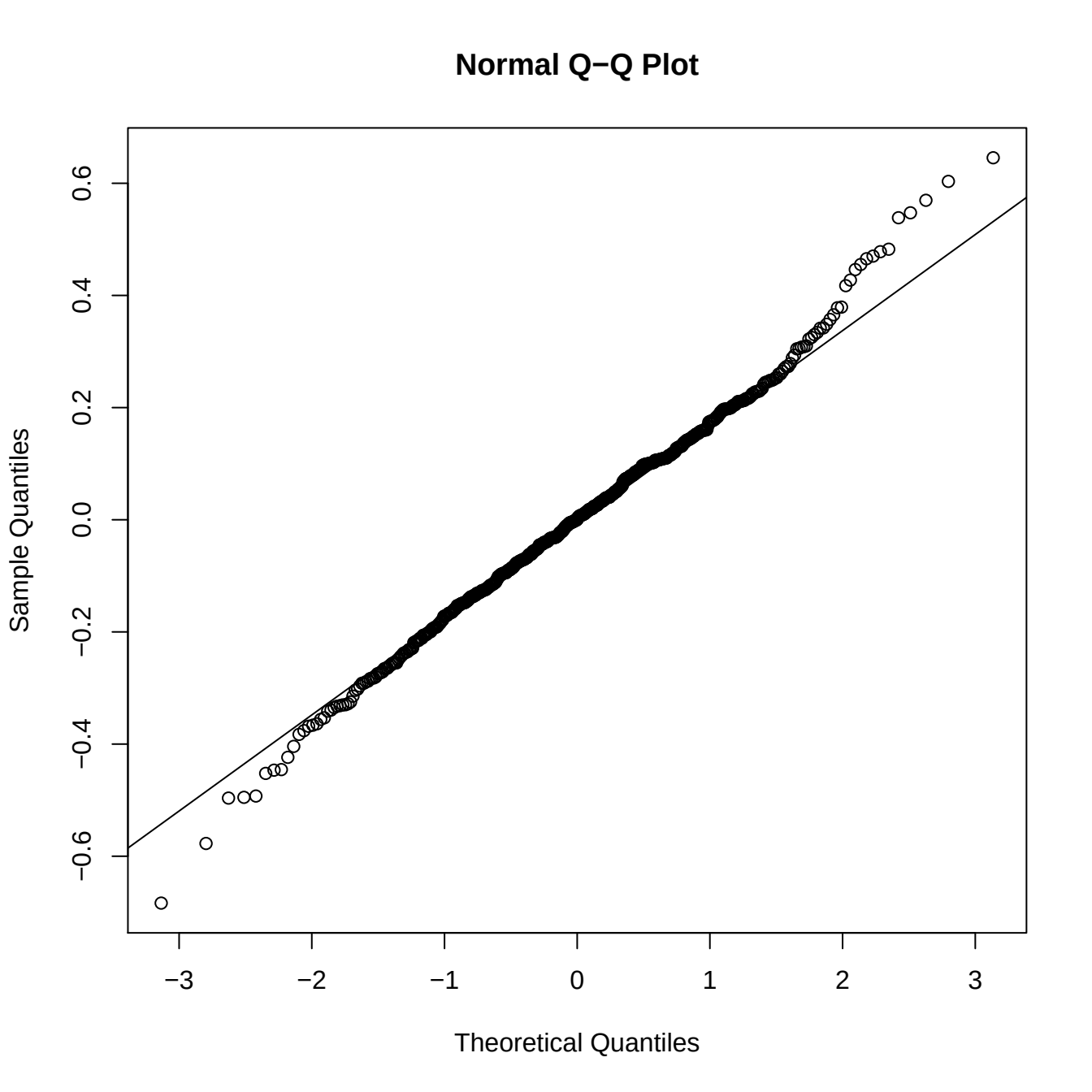

CN_ratio
ril.data$residual
6
4
2
0
−2
9
10
11
12
13
ril.data$predicted

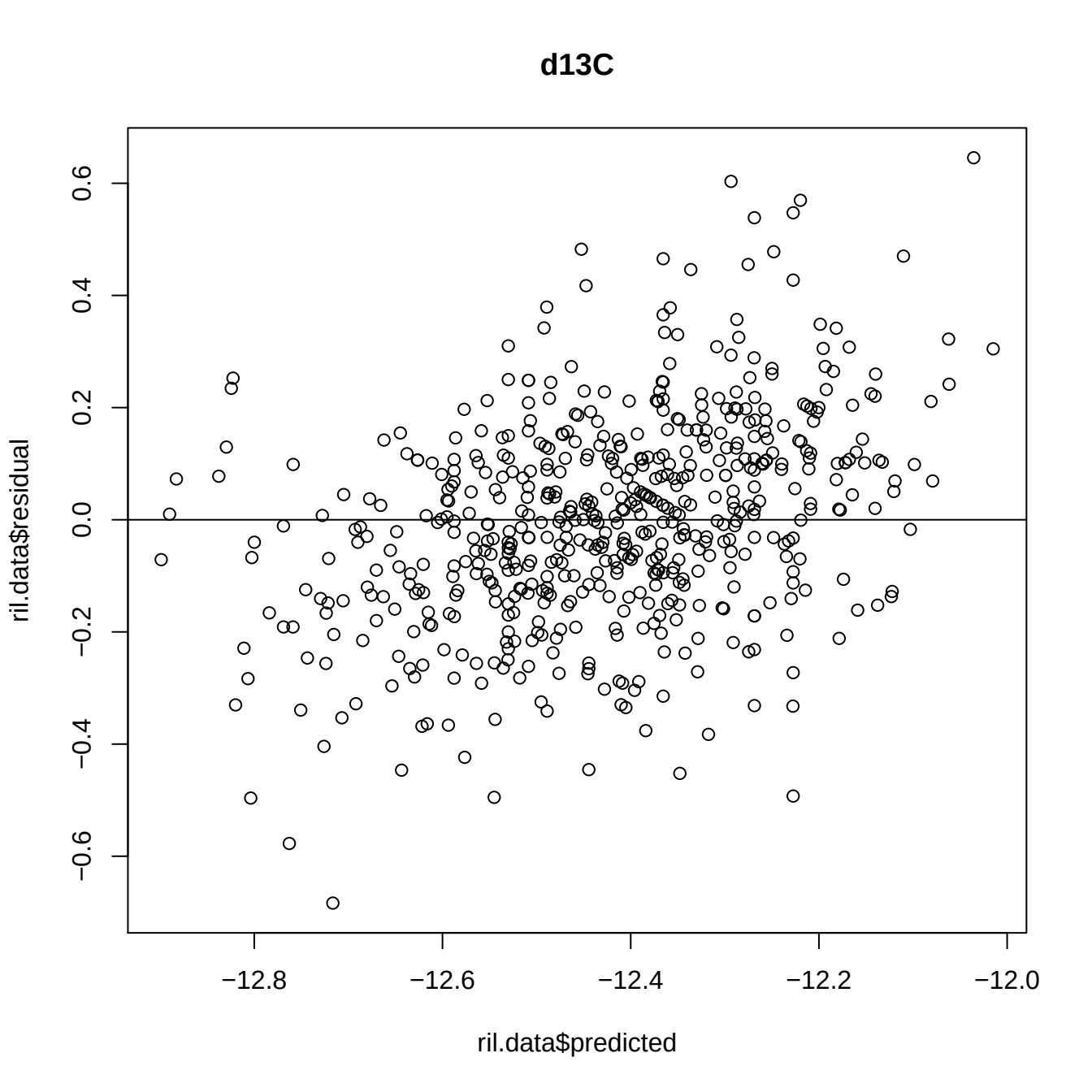

gC.m2
16
17
18
19
20
21
22
23
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

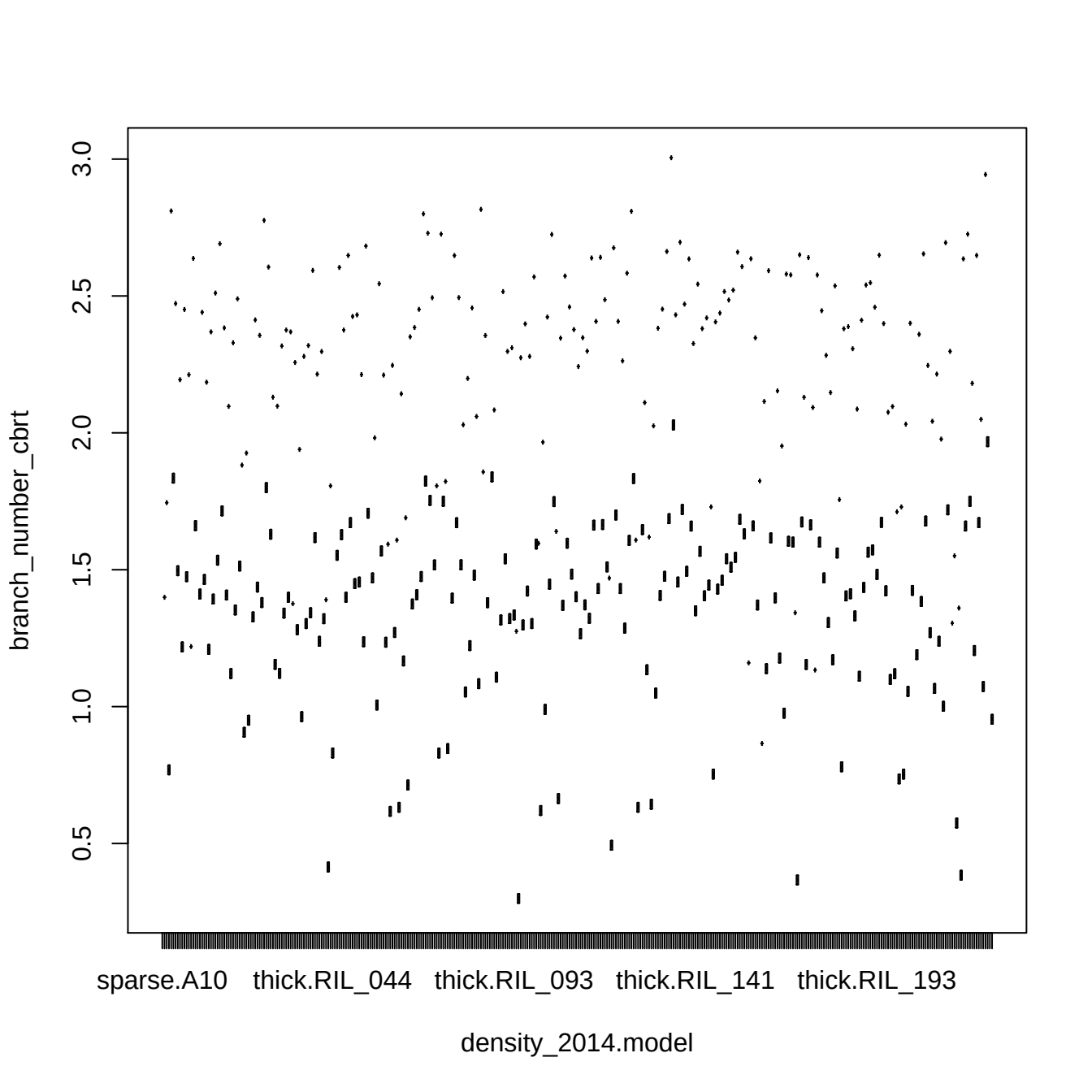

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
10
5
0
−5
−10
−3
−2
−1
0
1
2
3

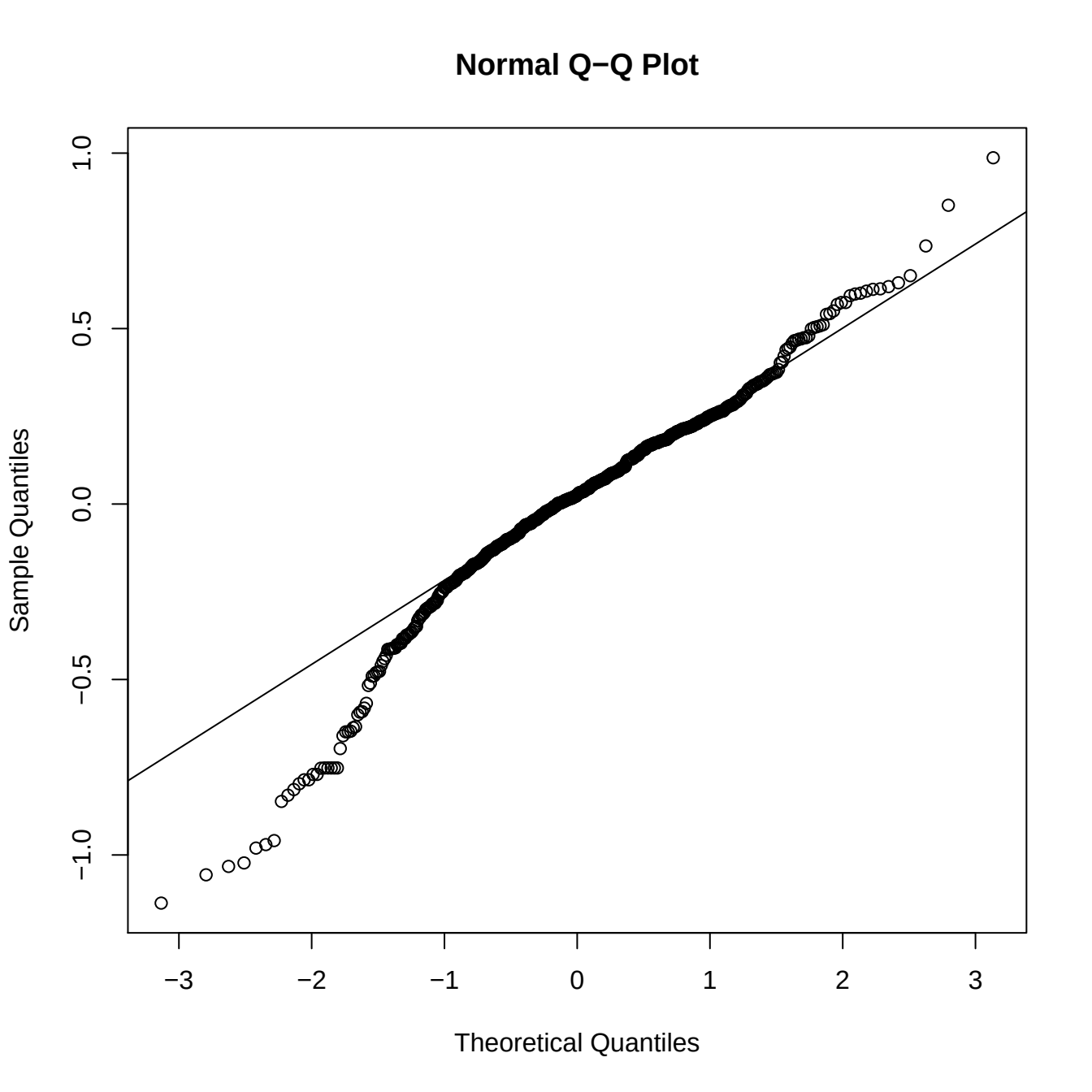

gC.m2
ril.data$residual
ril.data$predicted
10
5
0
−5
−10
16
17
18
19
20
21
22
23

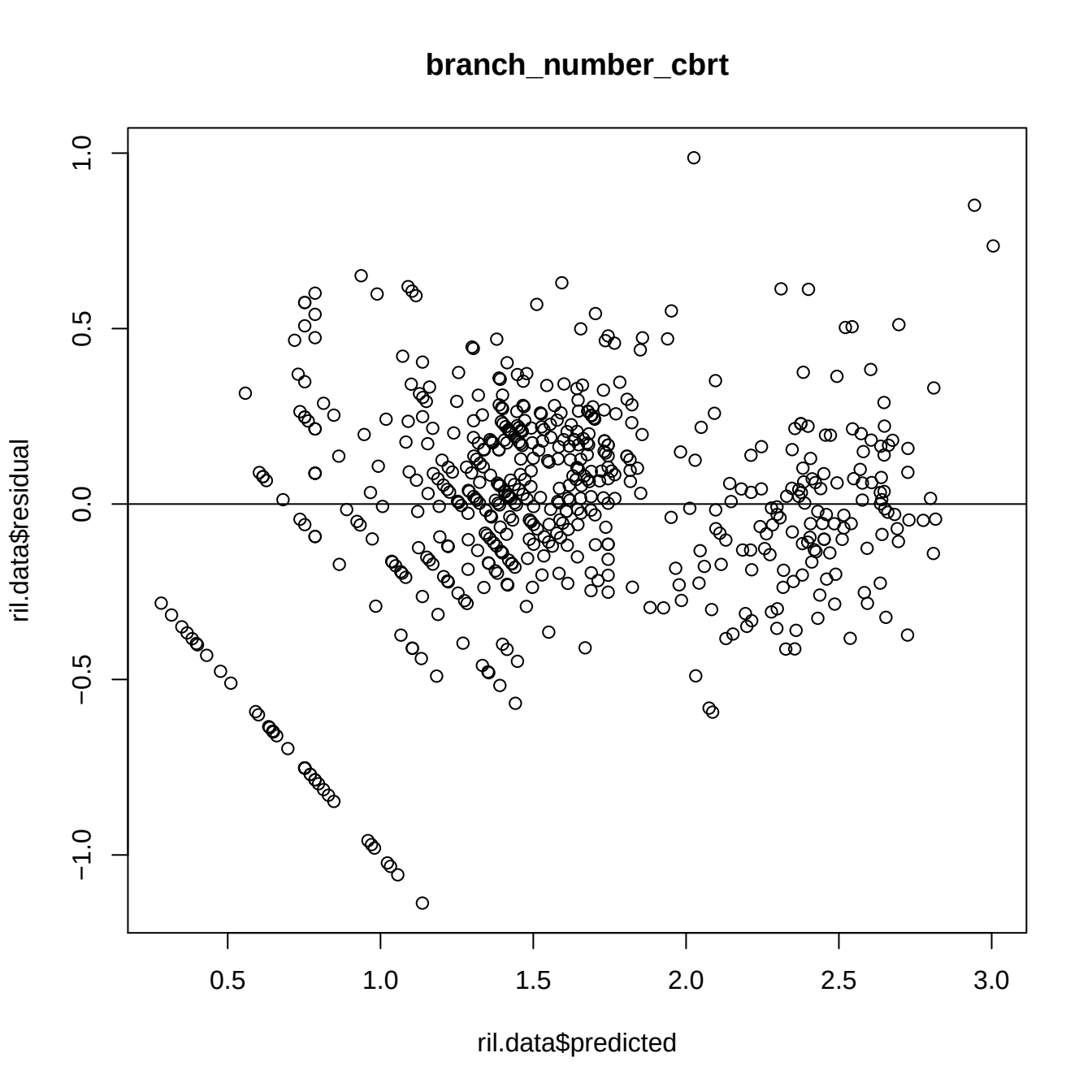

−12.0
−12.2
−12.4
−12.6
−12.8
d13C
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

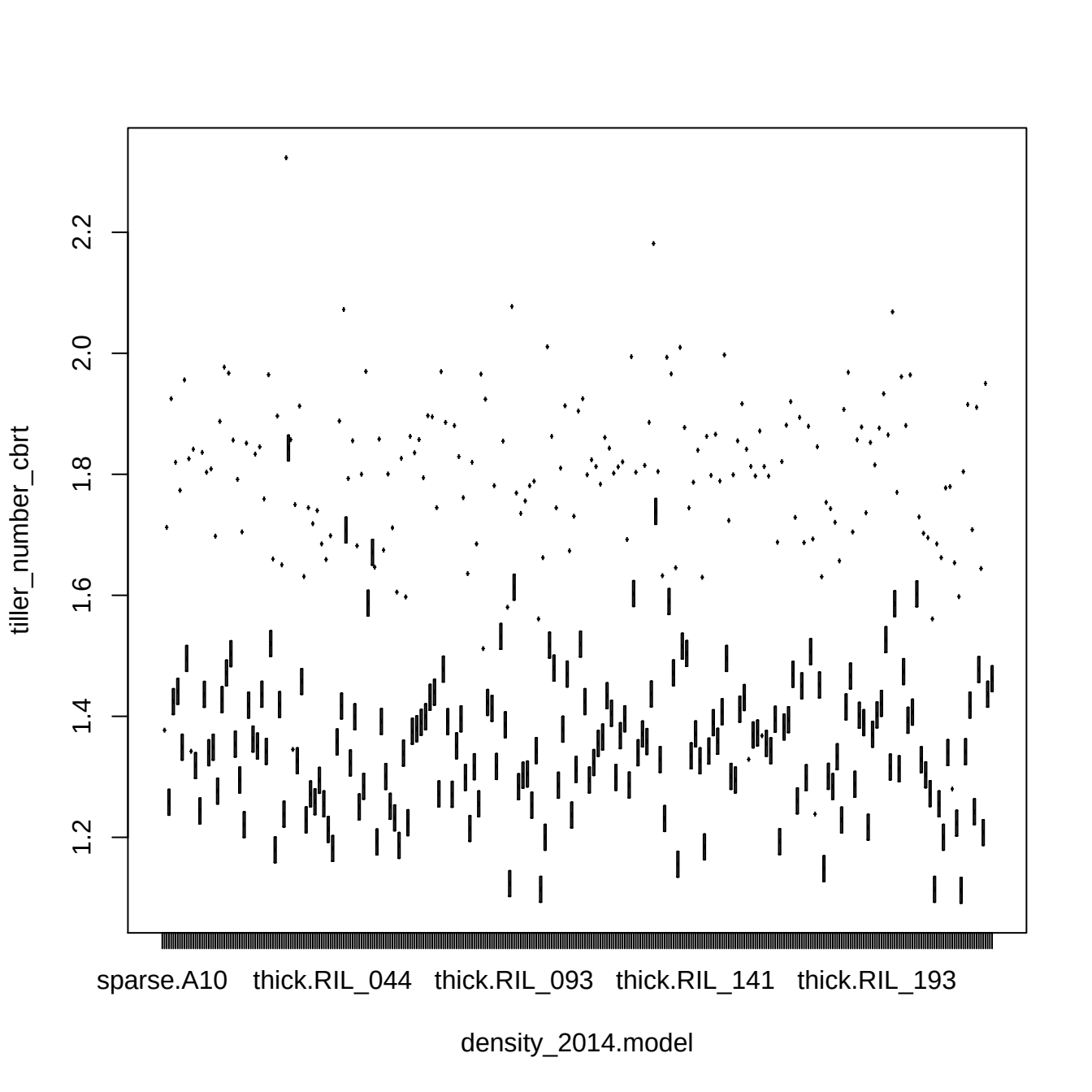

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−3
−2
−1
0
1
2
3

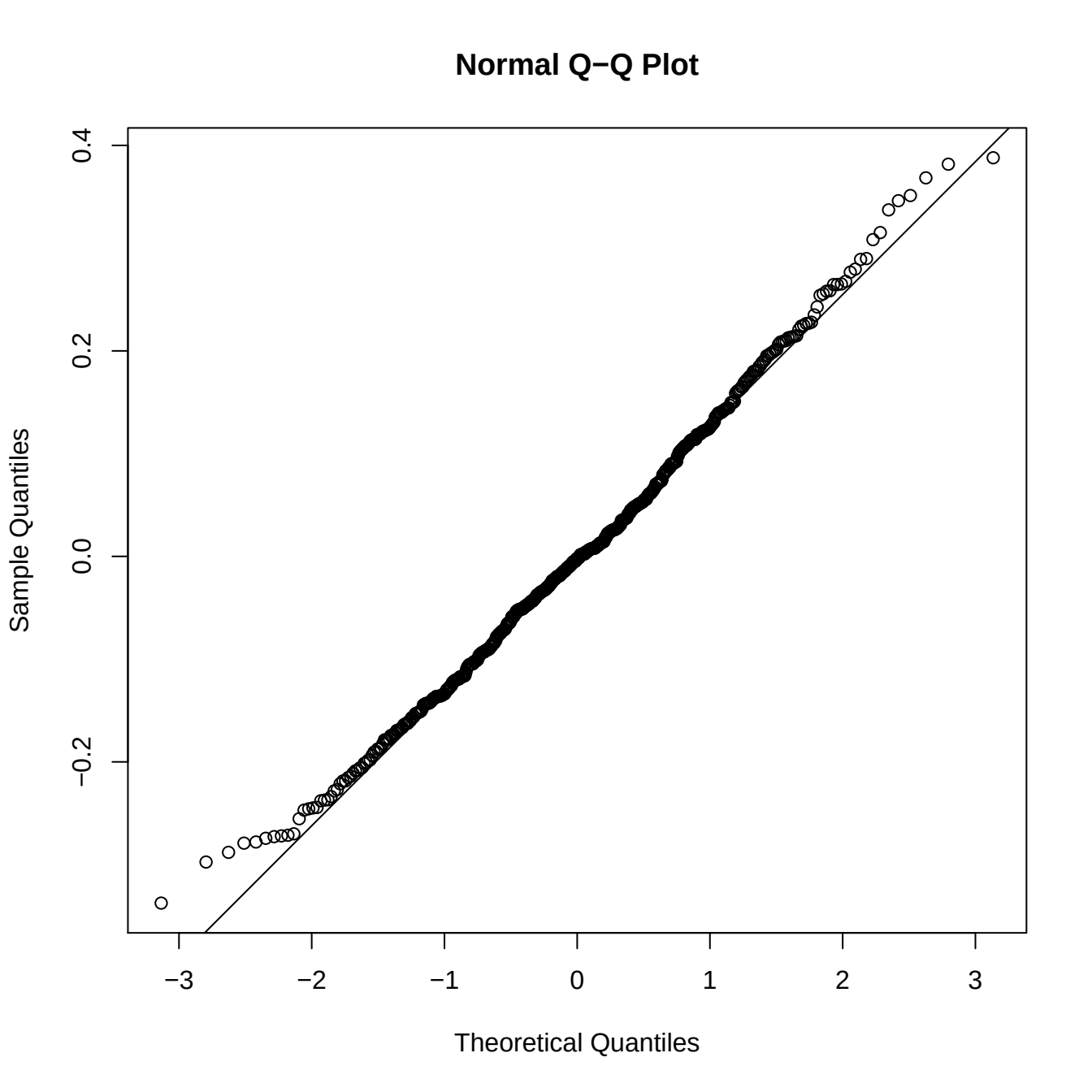

d13C
ril.data$residual
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−12.8
−12.6
−12.4
−12.2
−12.0
ril.data$predicted

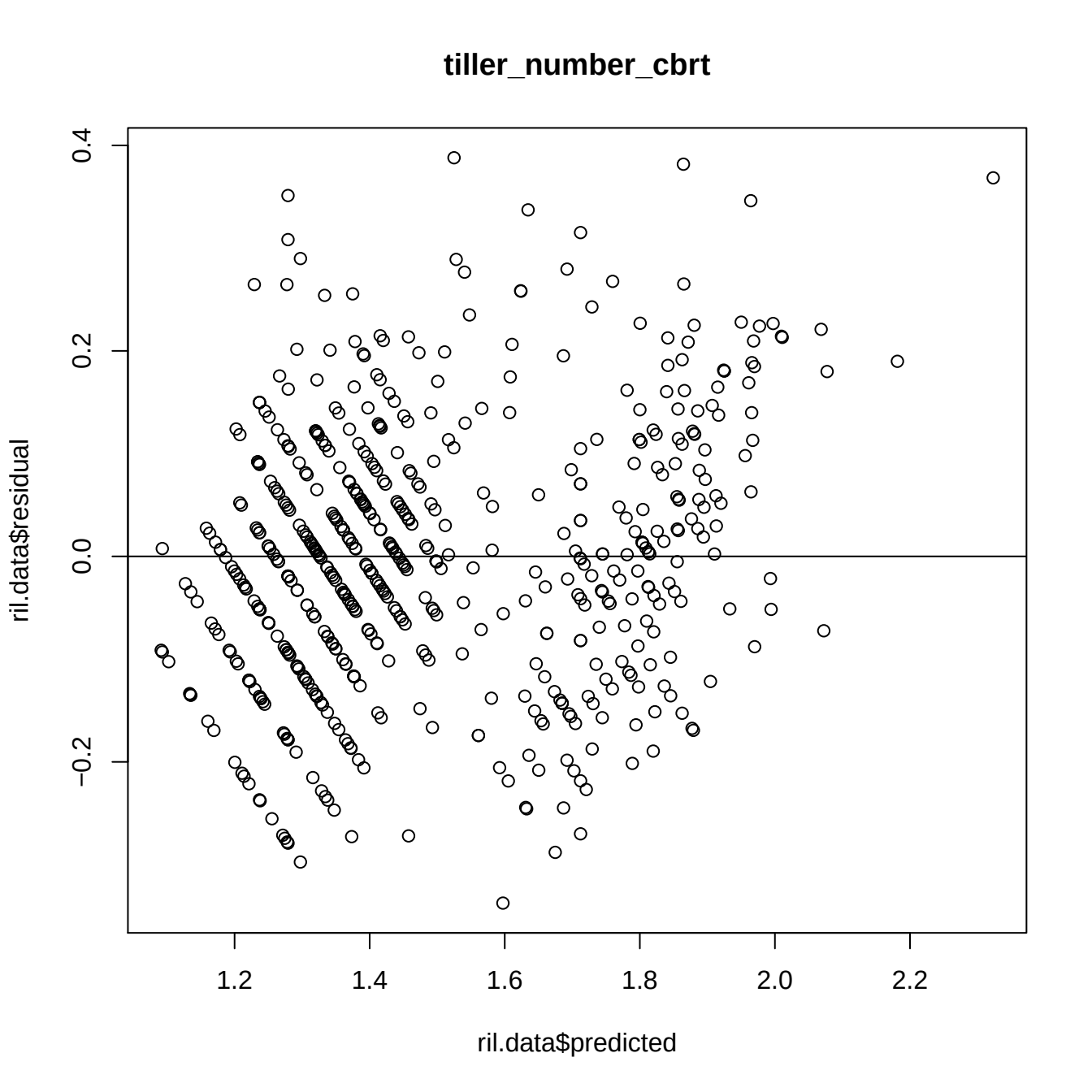

branch_number_cbrt
0.5
1.0
1.5
2.0
2.5
3.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

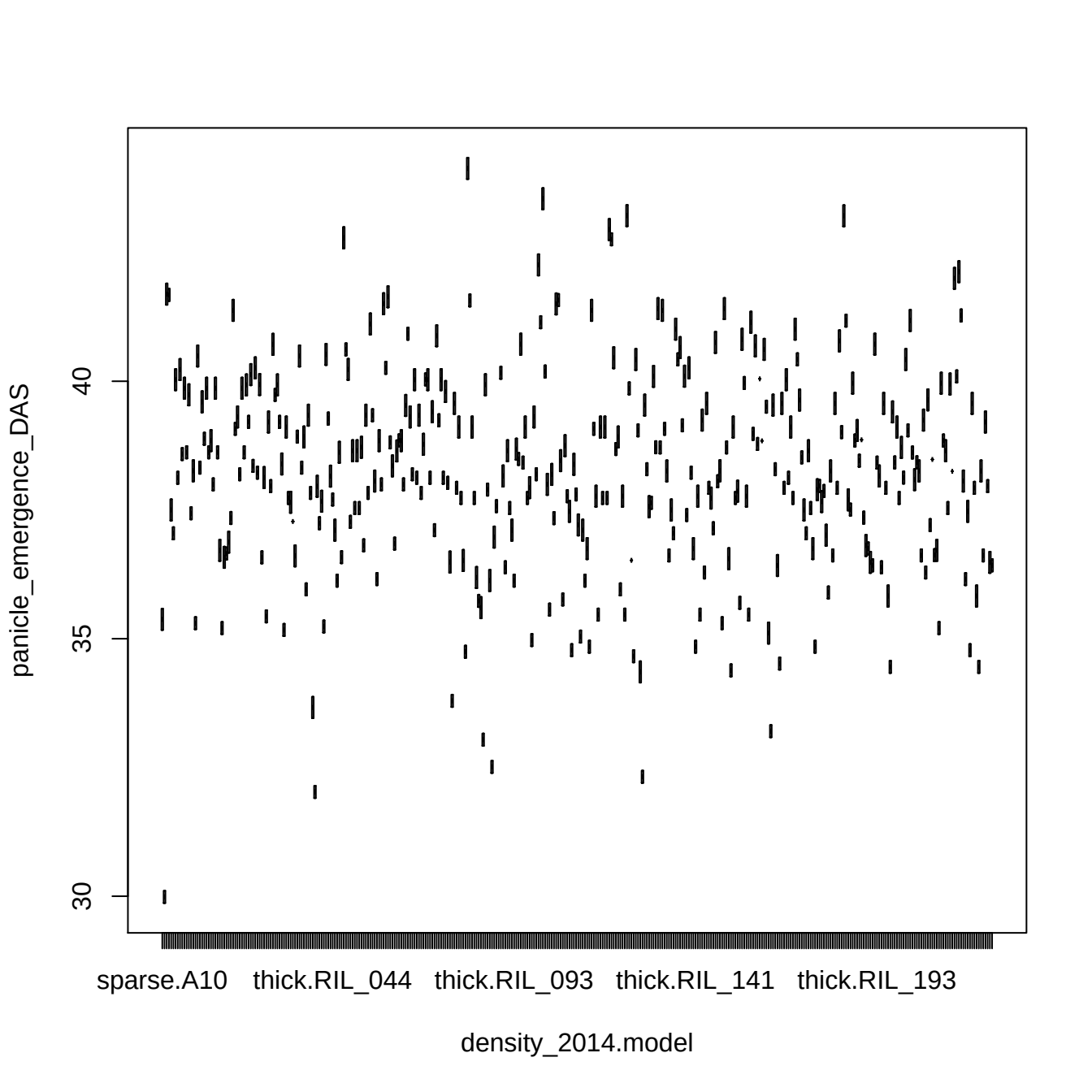

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
0.5
0.0
−0.5
−1.0
−3
−2
−1
0
1
2
3

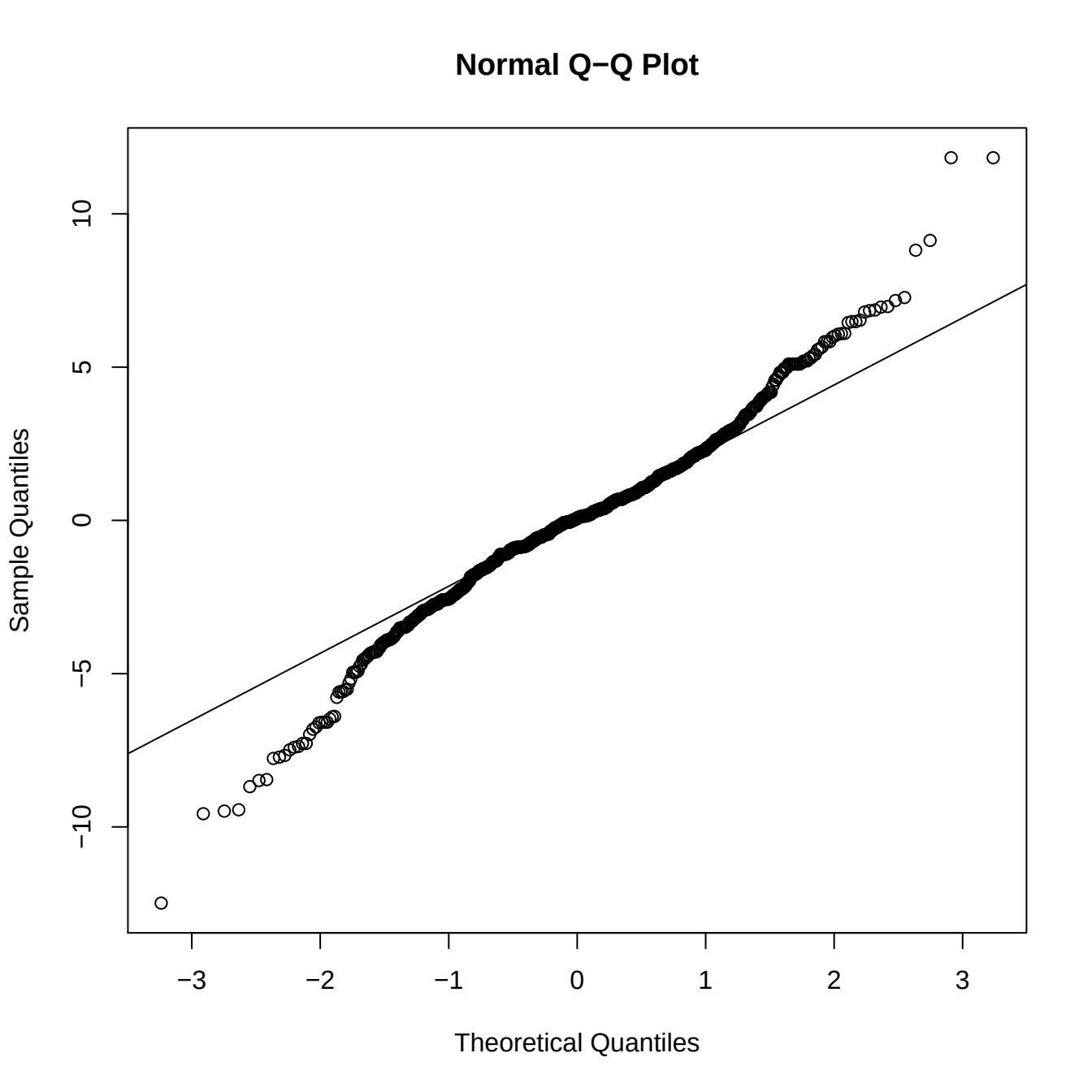

branch_number_cbrt
ril.data$residual
1.0
0.5
0.0
−0.5
−1.0
0.5
1.0
1.5
2.0
2.5
3.0
ril.data$predicted

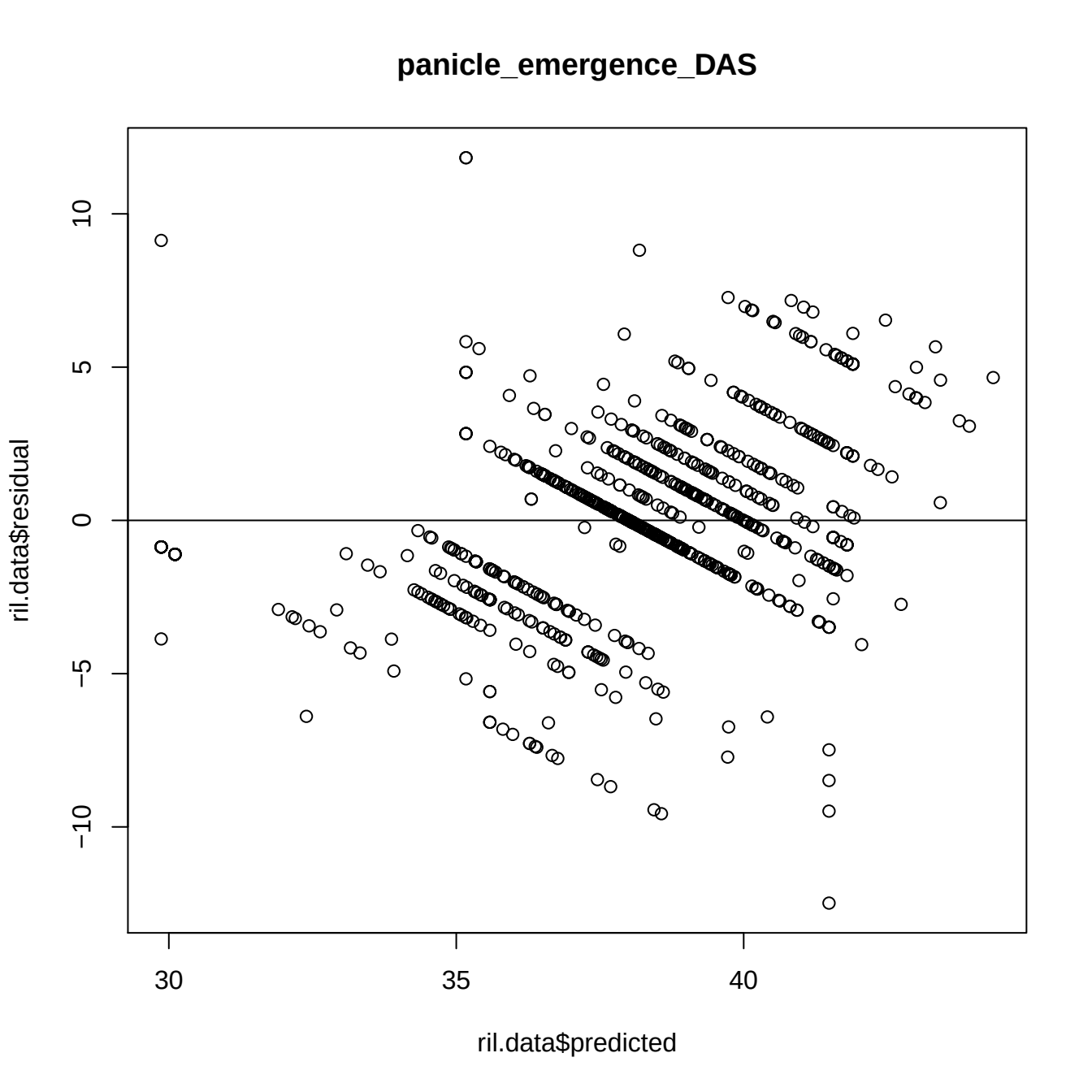

tiller_number_cbrt
1.2
1.4
1.6
1.8
2.0
2.2
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

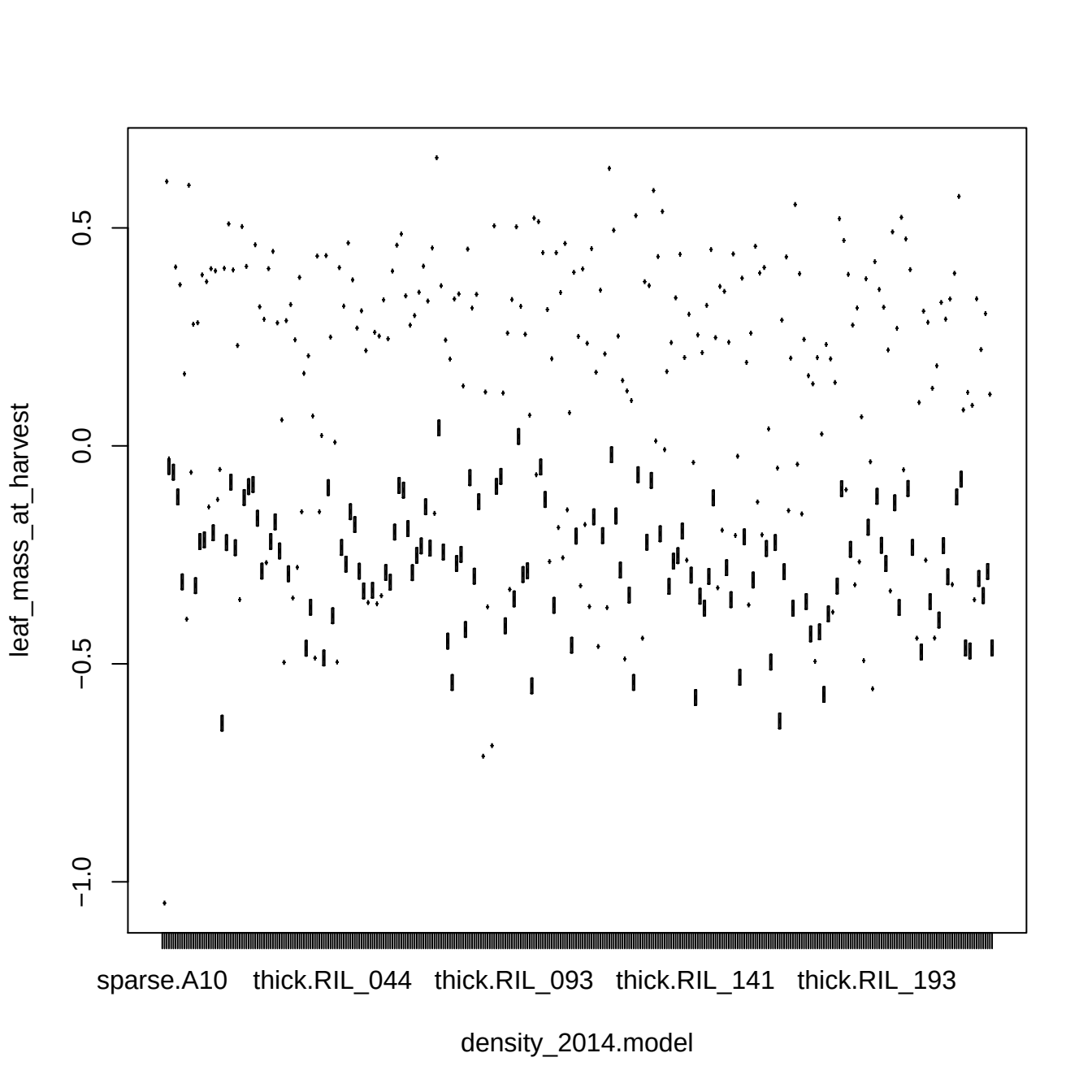

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.4
0.2
0.0
−0.2
−3
−2
−1
0
1
2
3

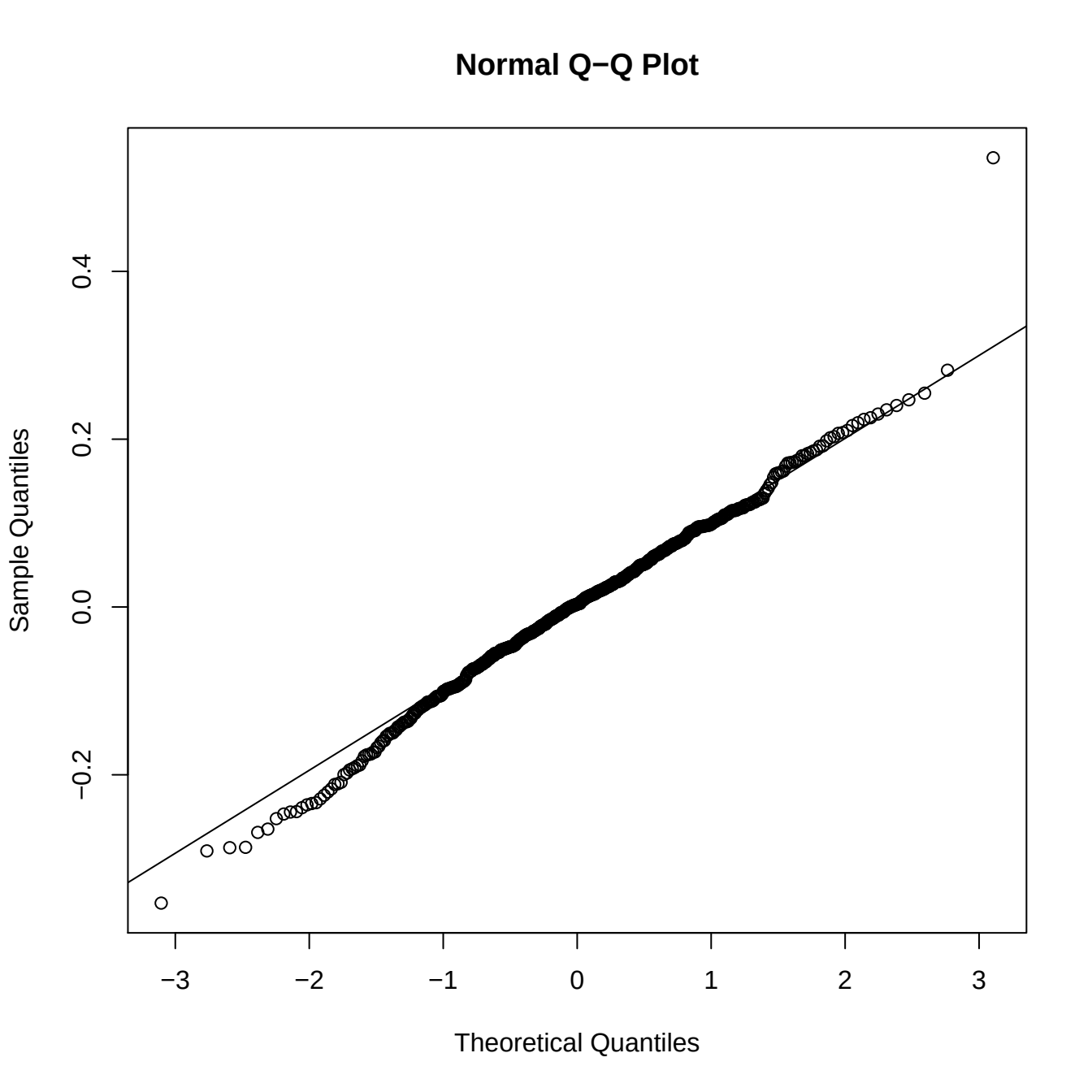

tiller_number_cbrt
ril.data$residual
0.4
0.2
0.0
−0.2
1.2
1.4
1.6
1.8
2.0
2.2
ril.data$predicted

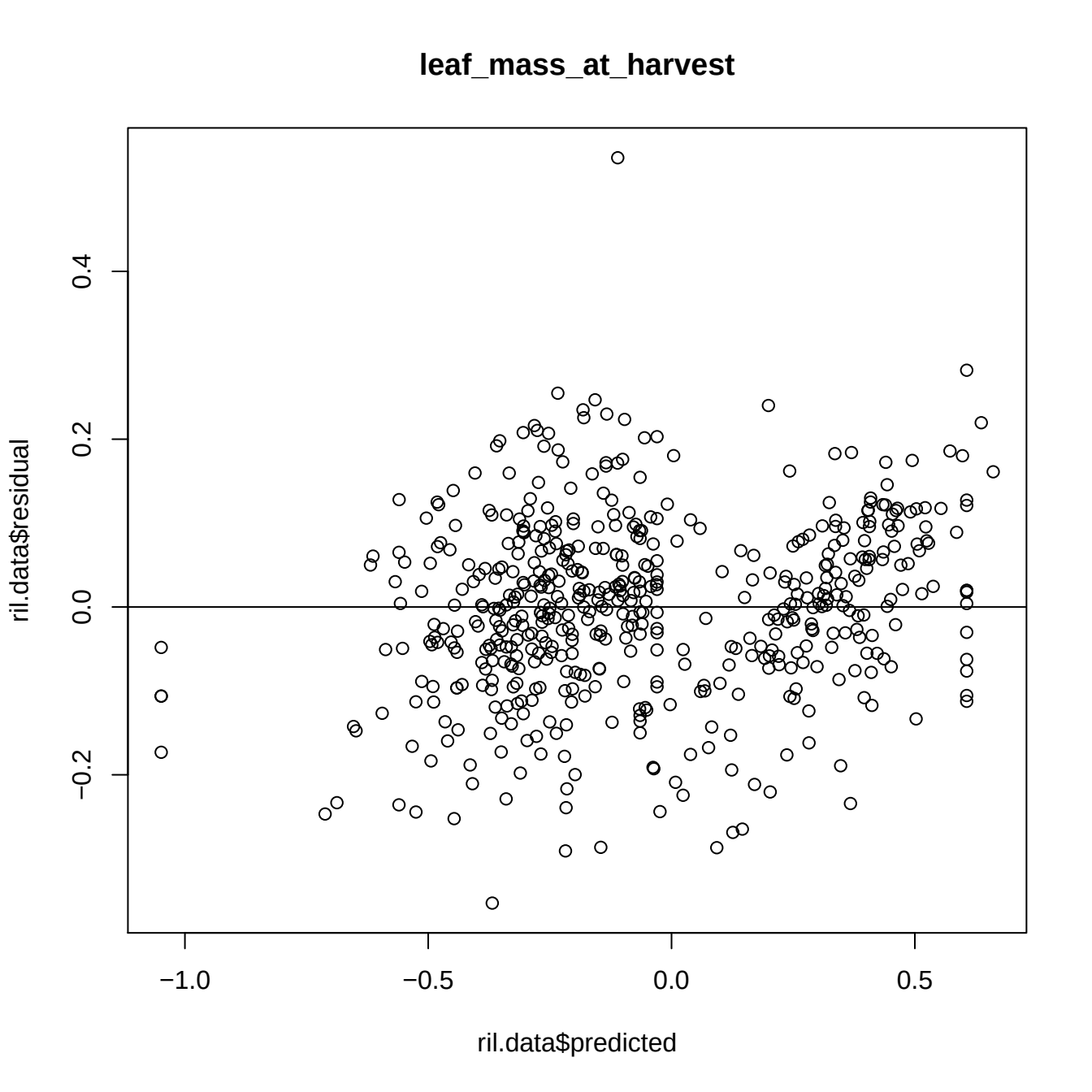

panicle_emergence_DAS
30
35
40
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

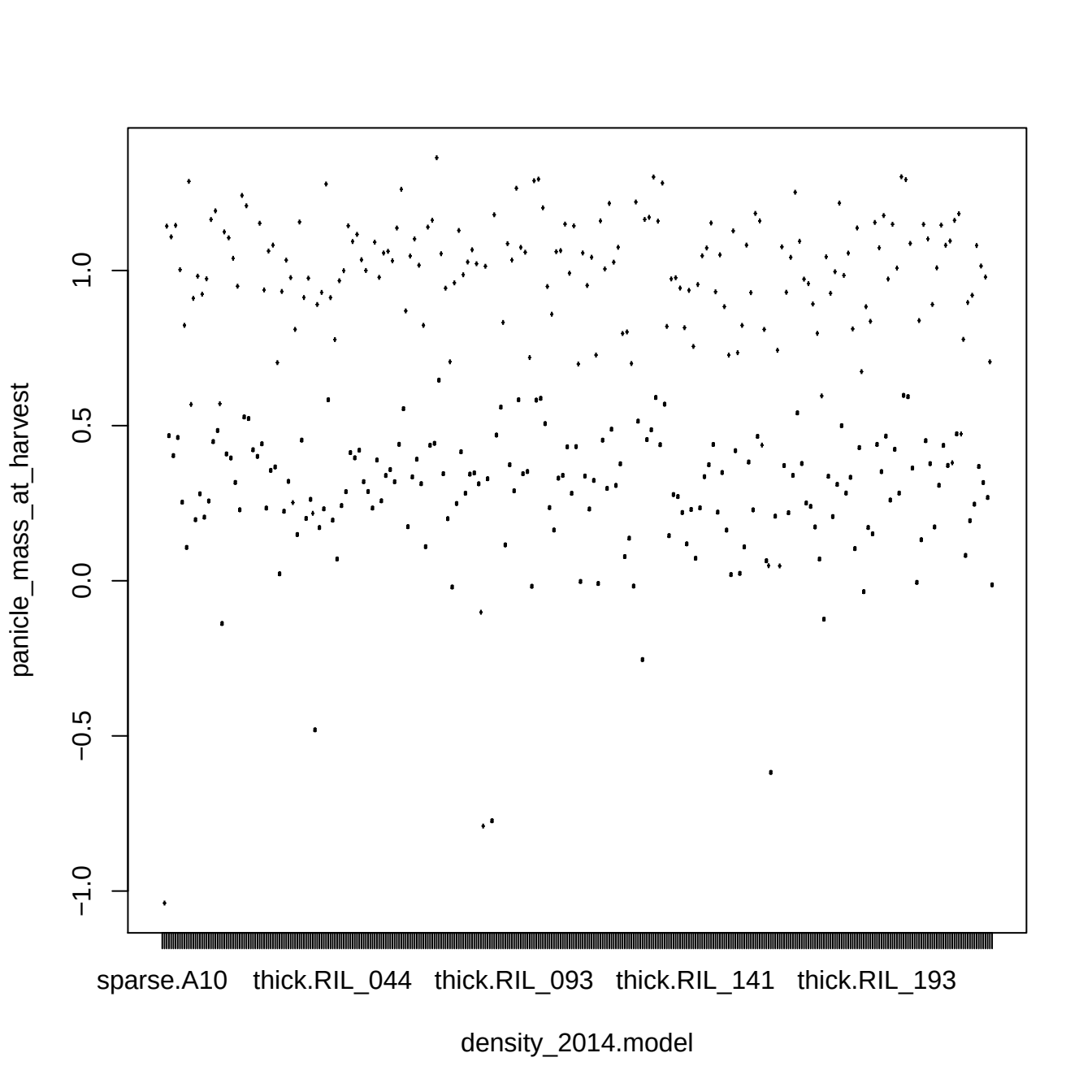

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
10
5
0
−5
−10
−3
−2
−1
0
1
2
3

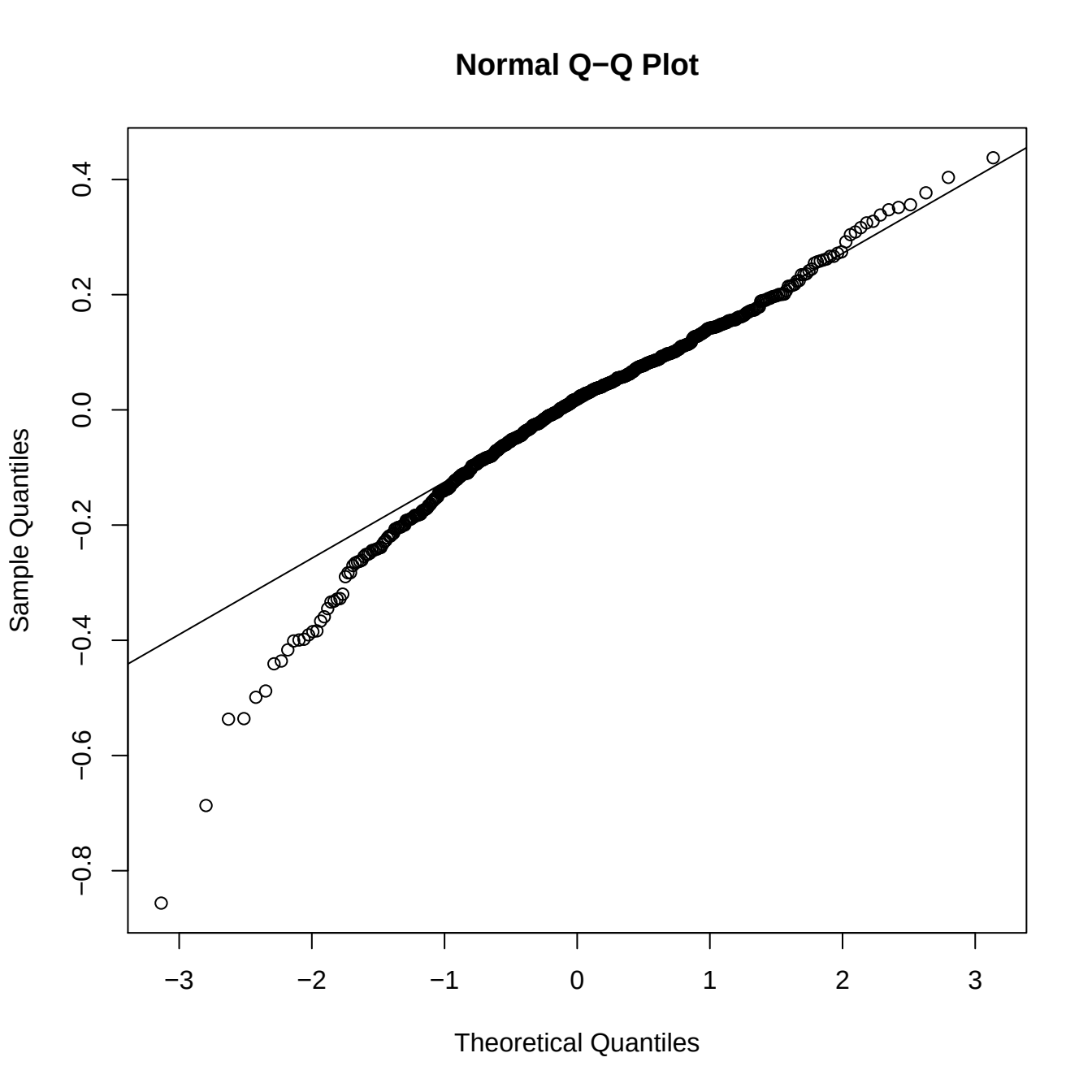

panicle_emergence_DAS
ril.data$residual
10
5
0
−5
−10
30
35
40
ril.data$predicted

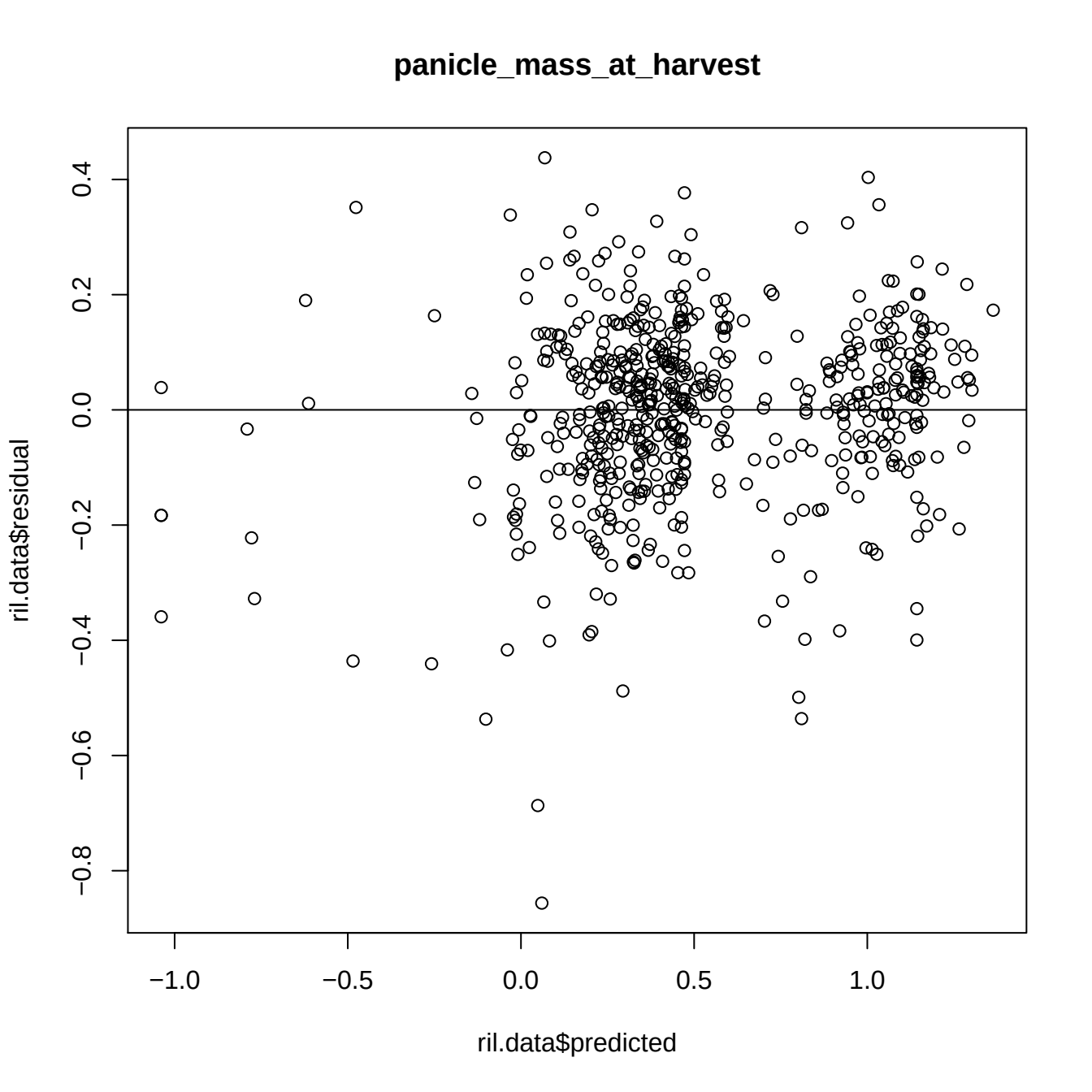

leaf_mass_at_harvest
0.5
0.0
−0.5
−1.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

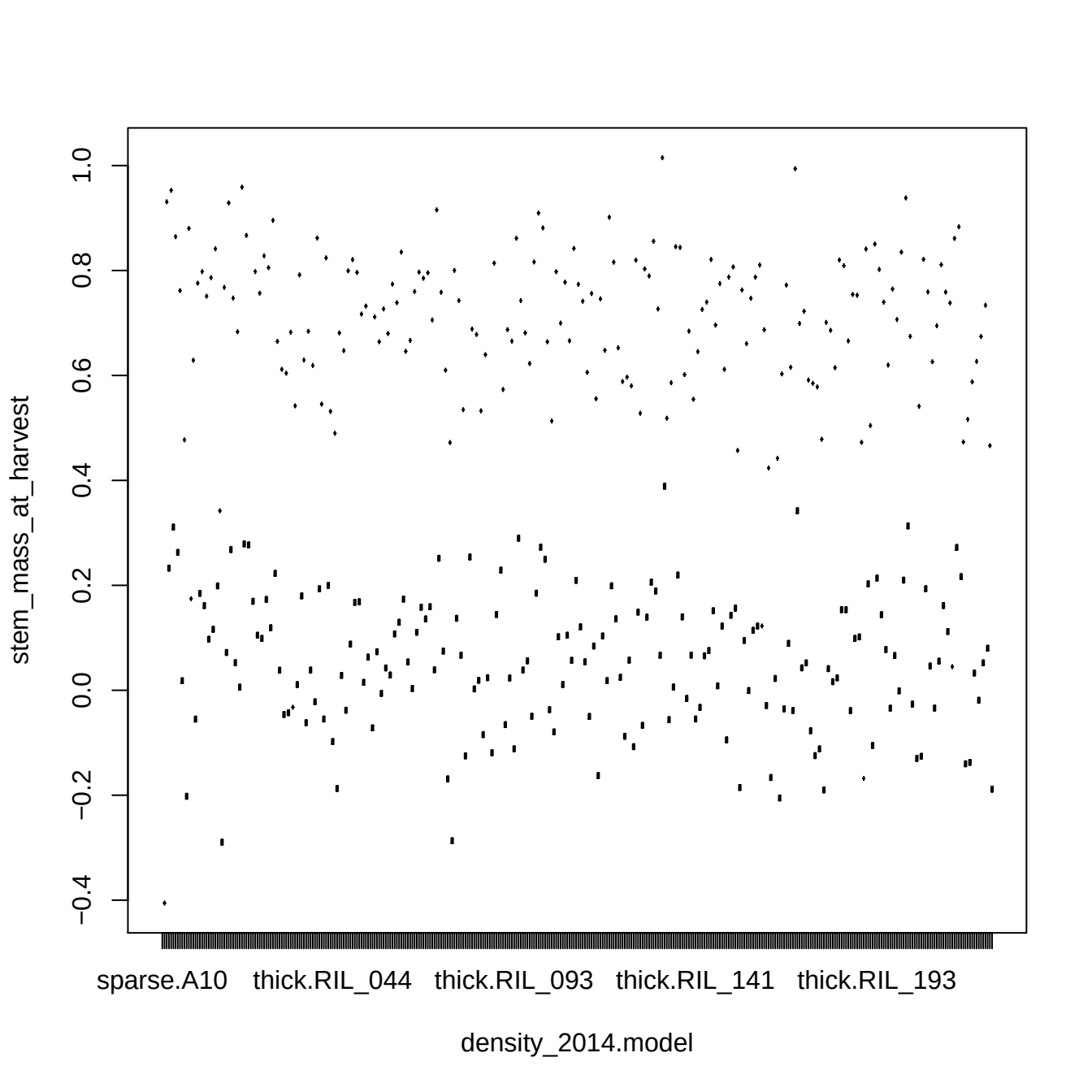

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.4
0.2
0.0
−0.2
−3
−2
−1
0
1
2
3

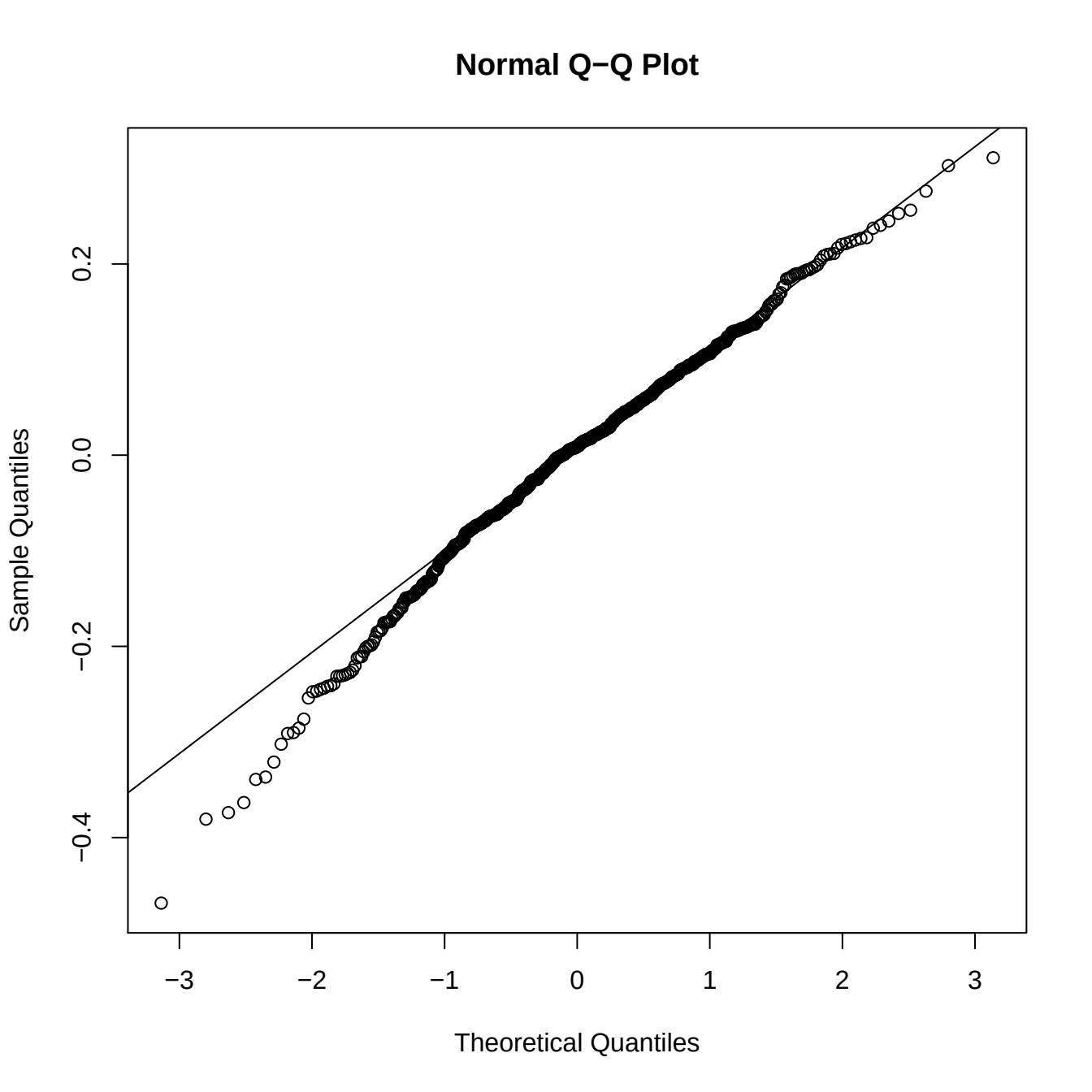

leaf_mass_at_harvest
ril.data$residual
0.4
0.2
0.0
−0.2
−1.0
−0.5
0.0
0.5
ril.data$predicted

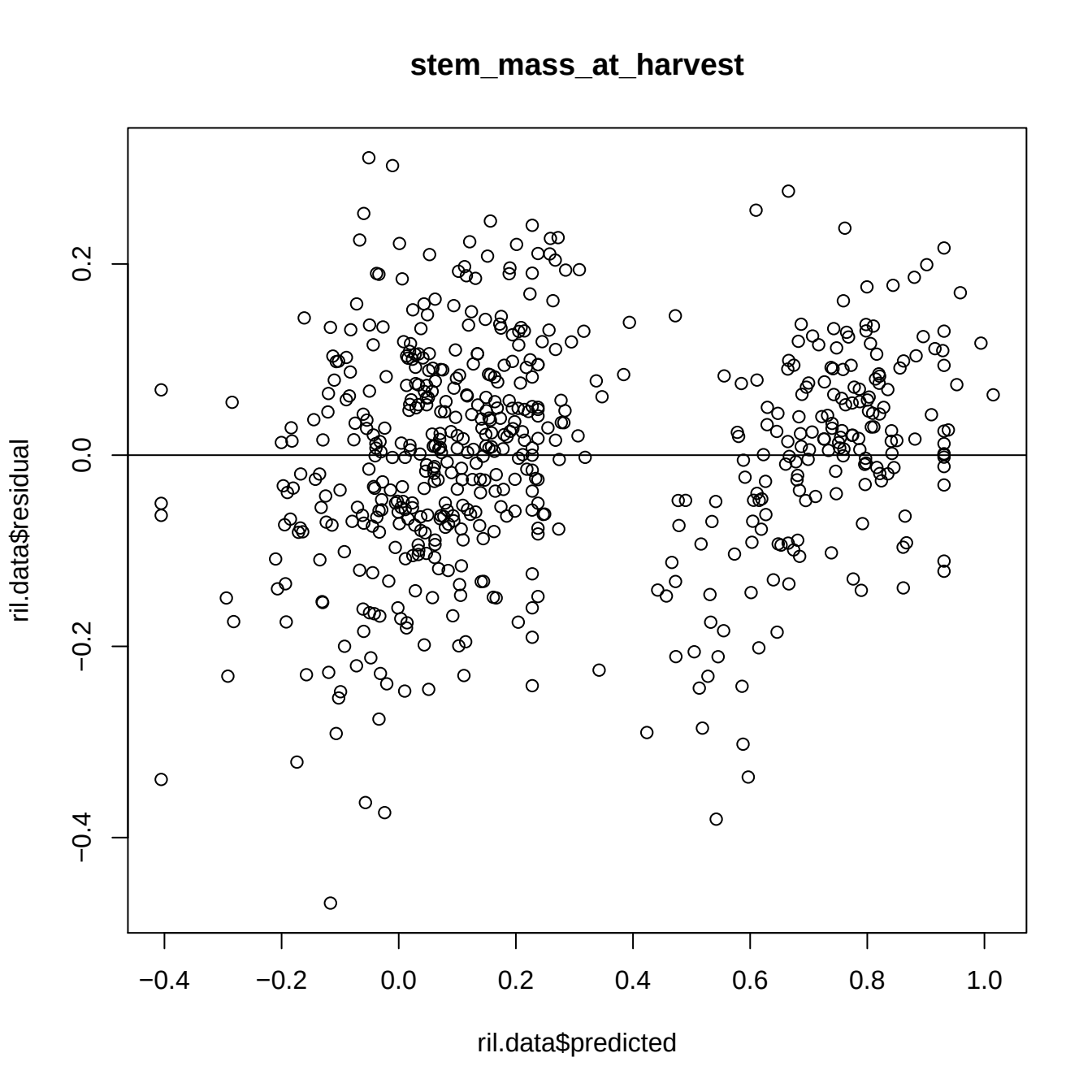

panicle_mass_at_harvest
1.0
0.5
0.0
−0.5
−1.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

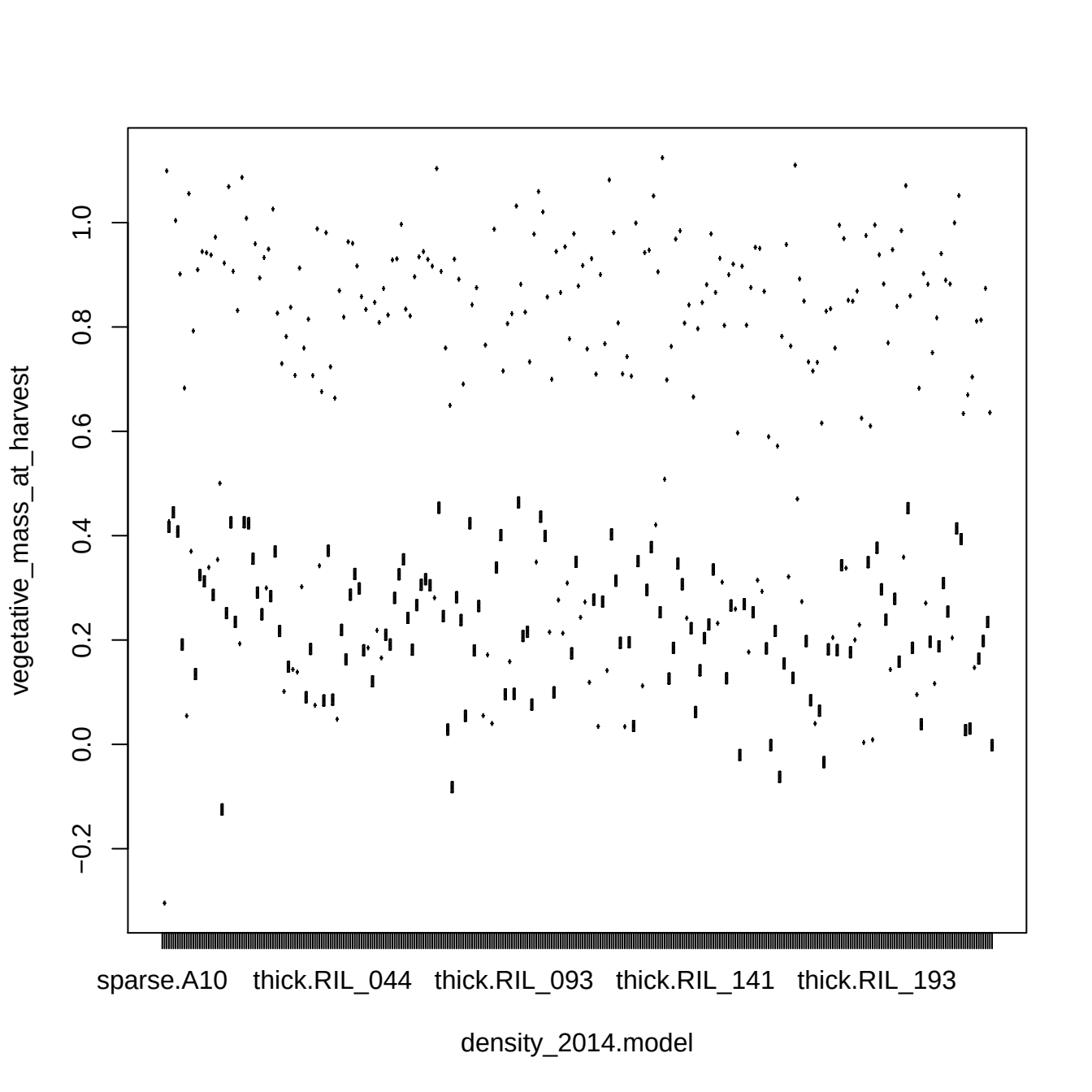

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−3
−2
−1
0
1
2
3

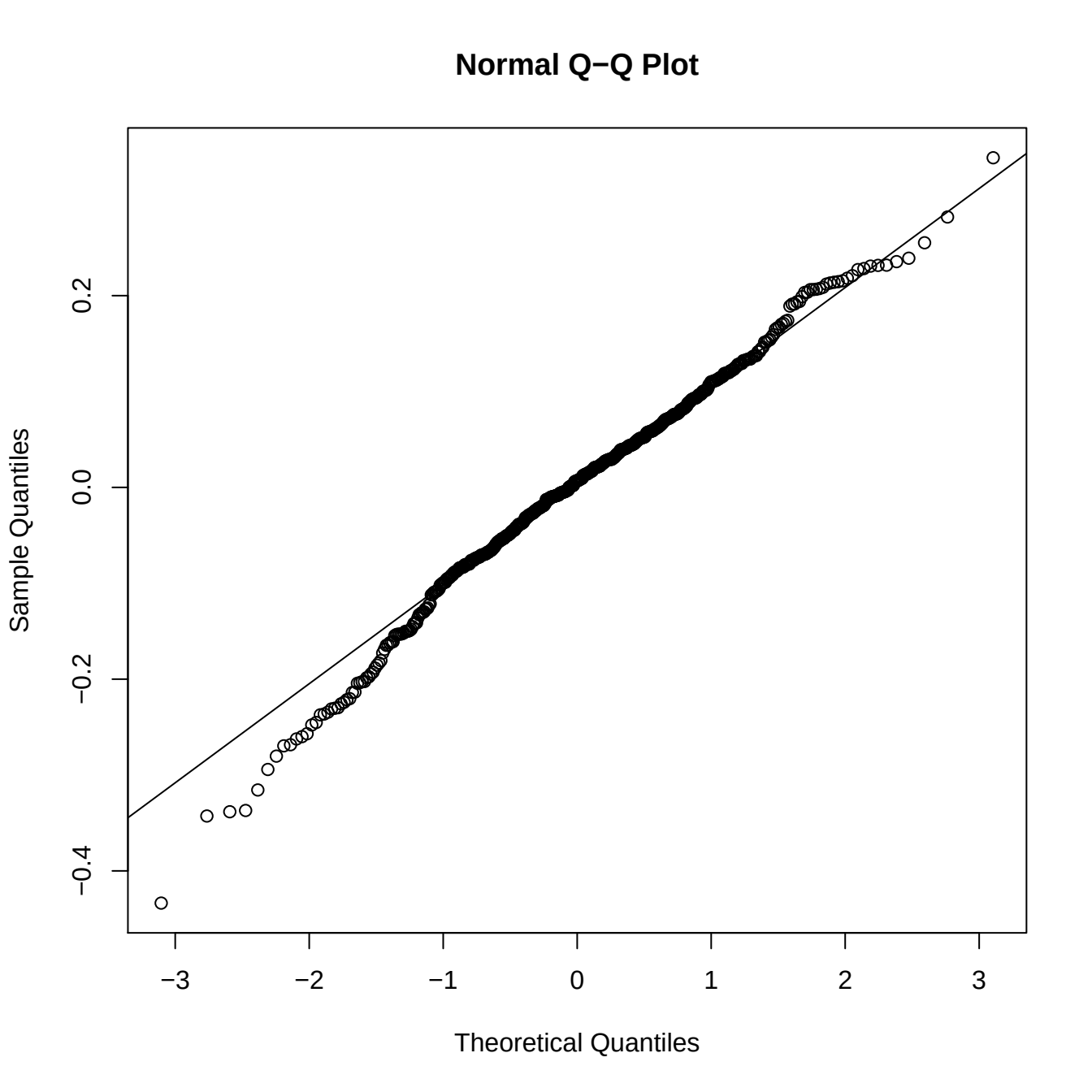

panicle_mass_at_harvest
ril.data$residual
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−0.5
0.0
0.5
1.0
ril.data$predicted

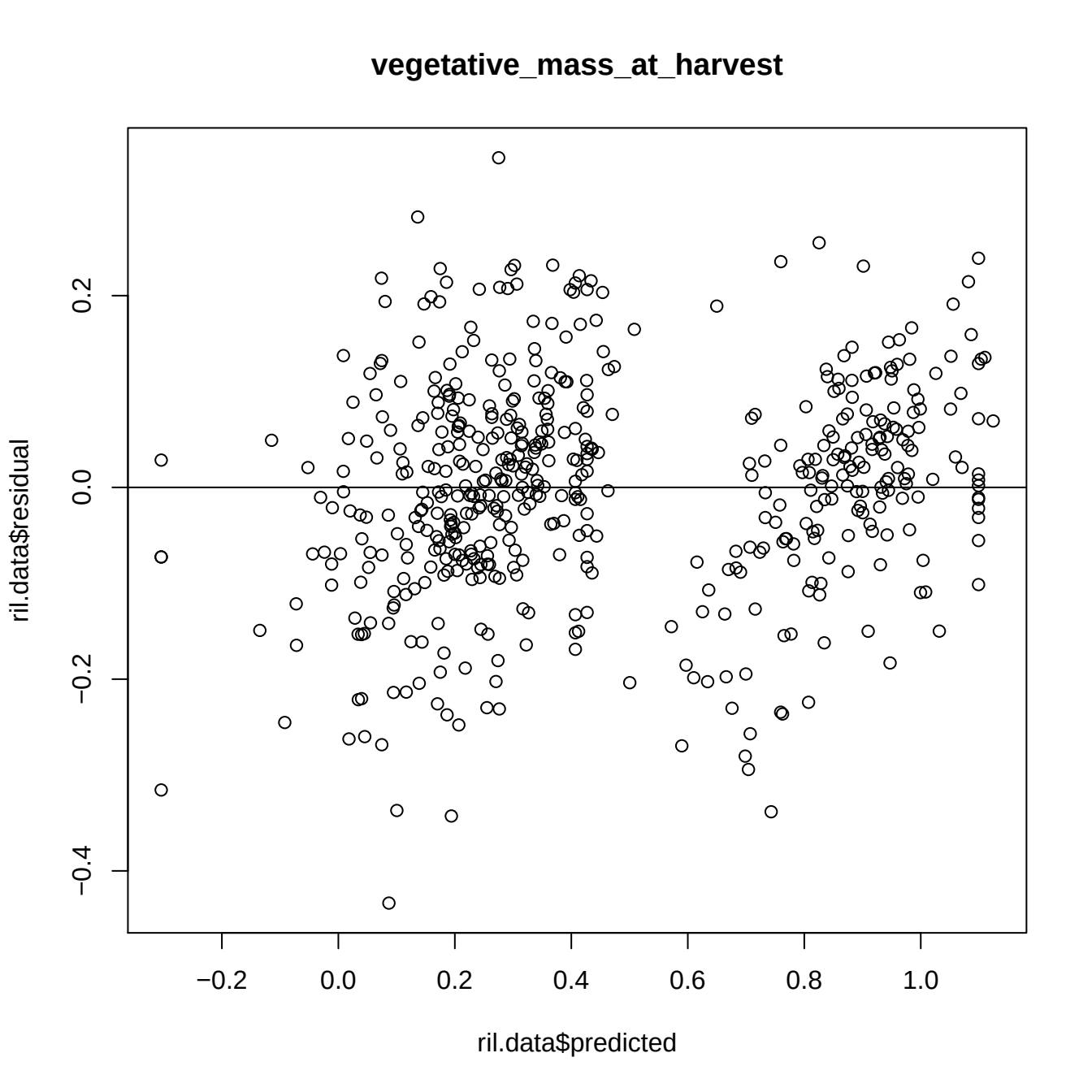

stem_mass_at_harvest
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

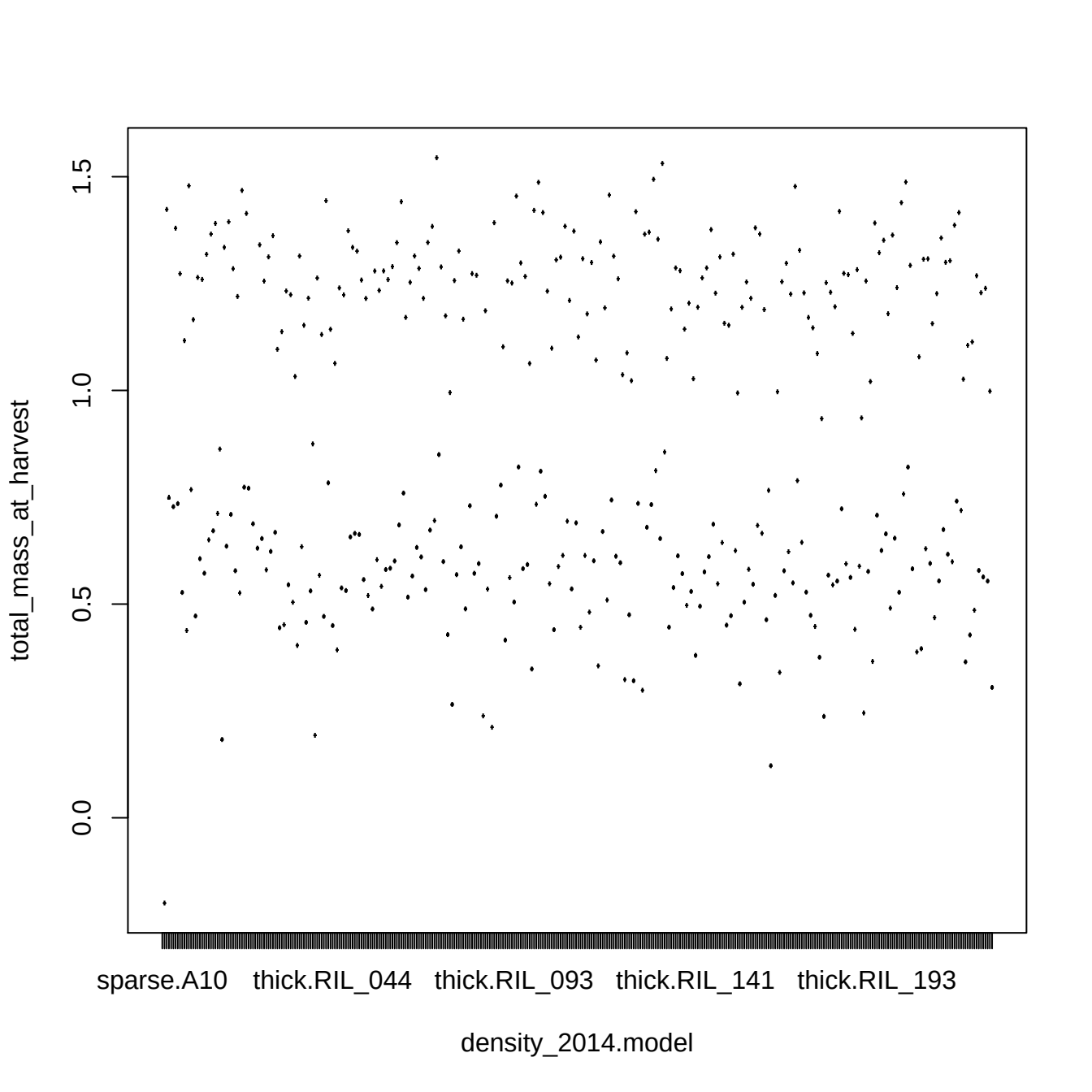

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.2
0.0
−0.2
−0.4
−3
−2
−1
0
1
2
3

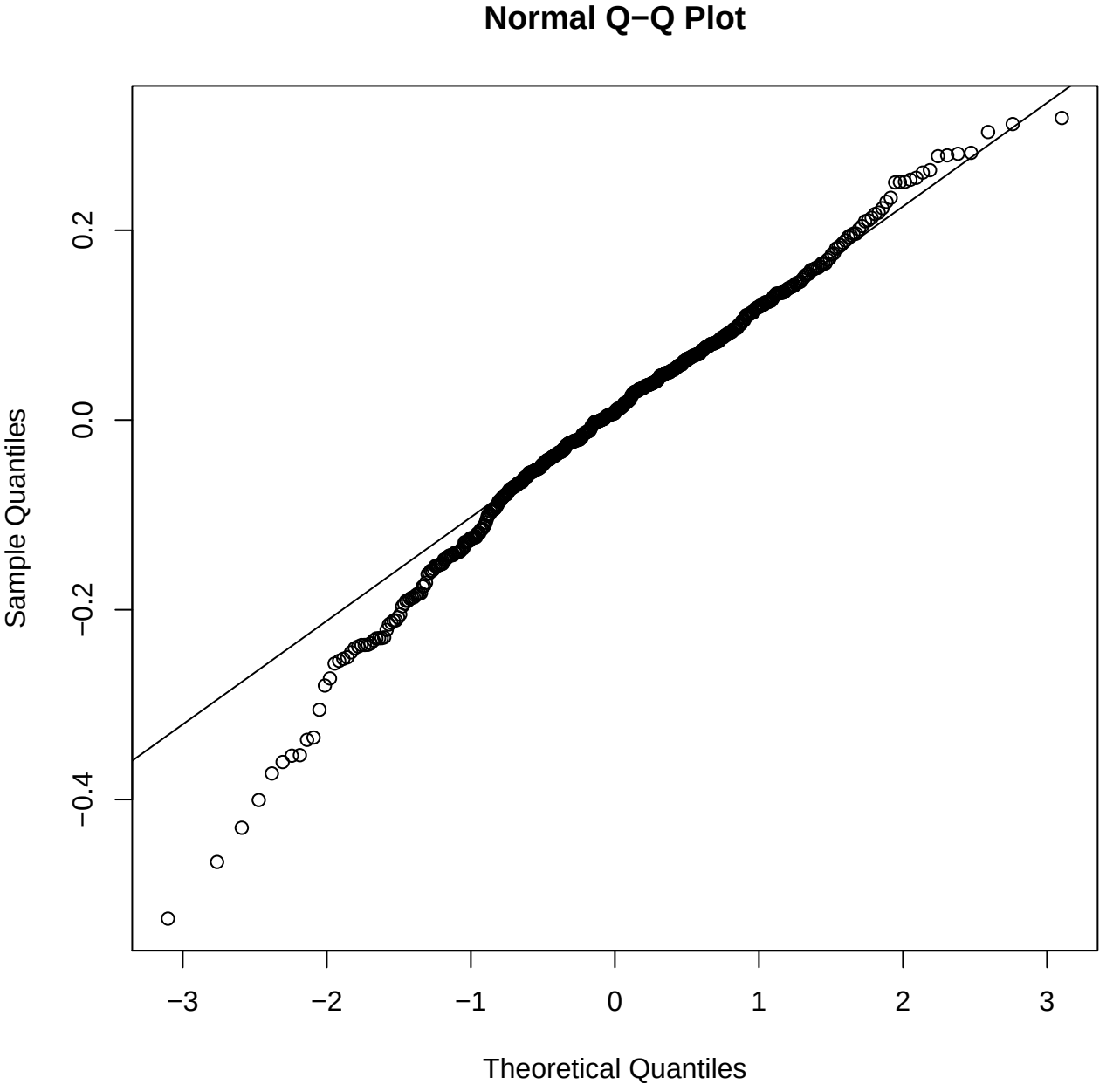

stem_mass_at_harvest
ril.data$residual
ril.data$predicted
0.2
0.0
−0.2
−0.4
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

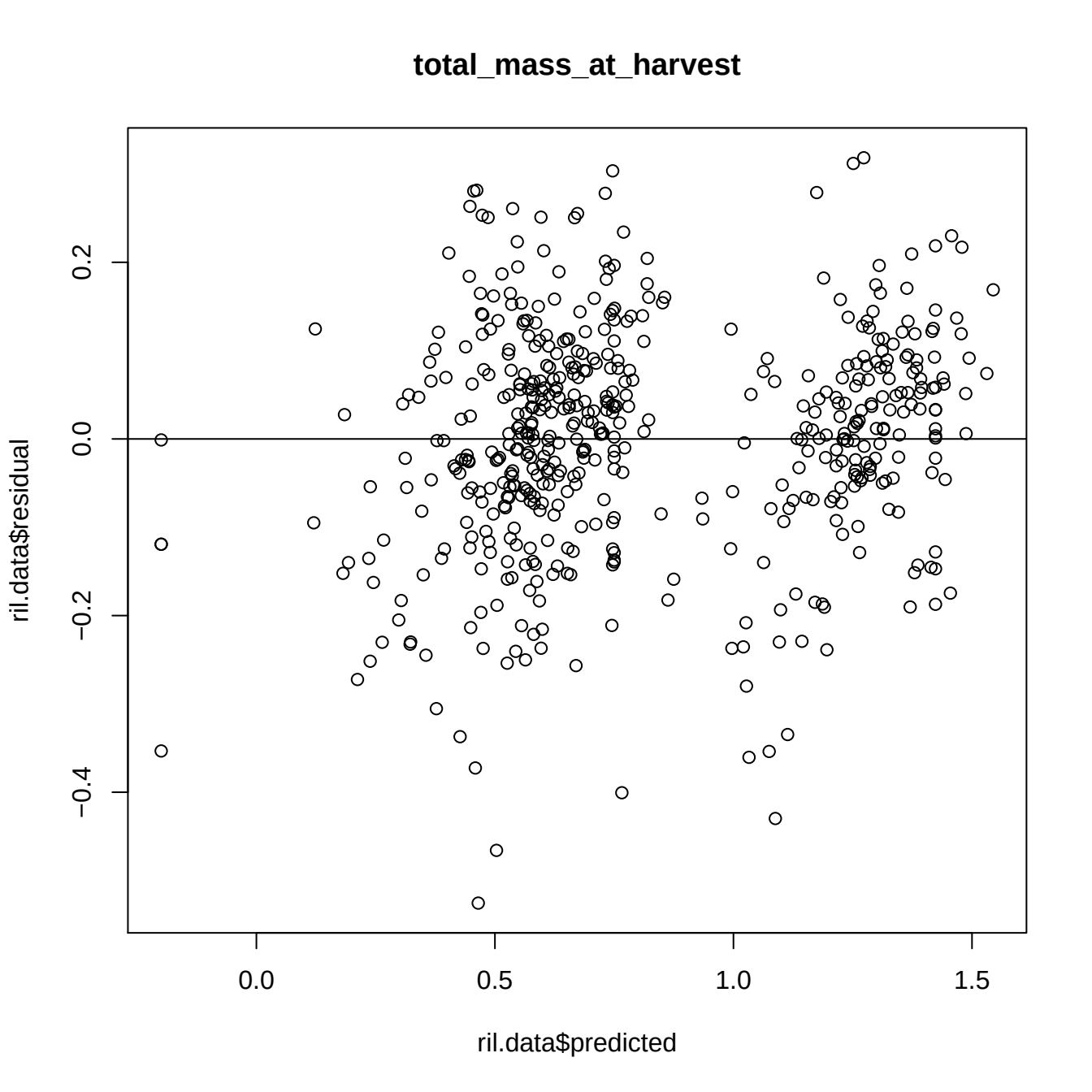

vegetative_mass_at_harvest
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

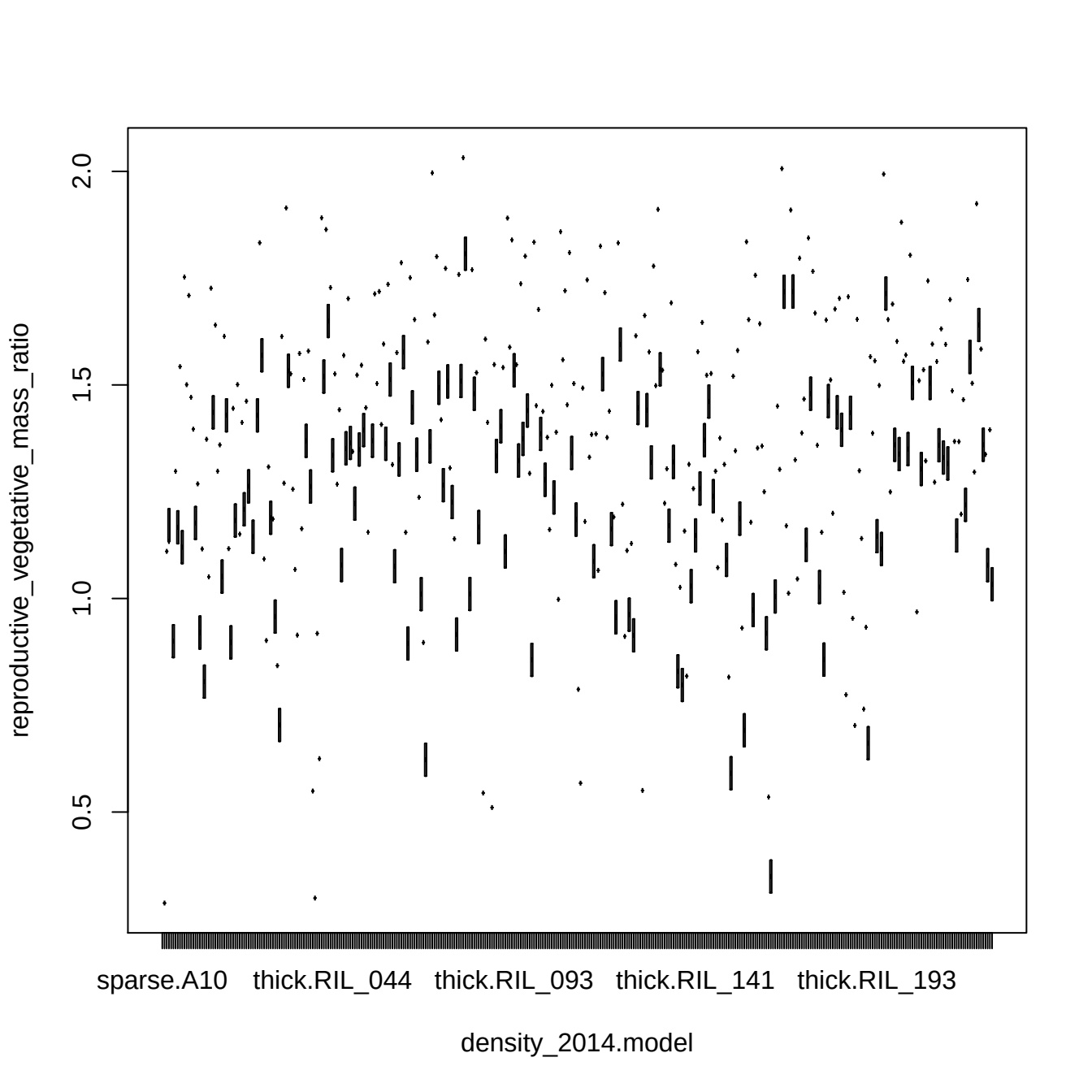

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.2
0.0
−0.2
−0.4
−3
−2
−1
0
1
2
3

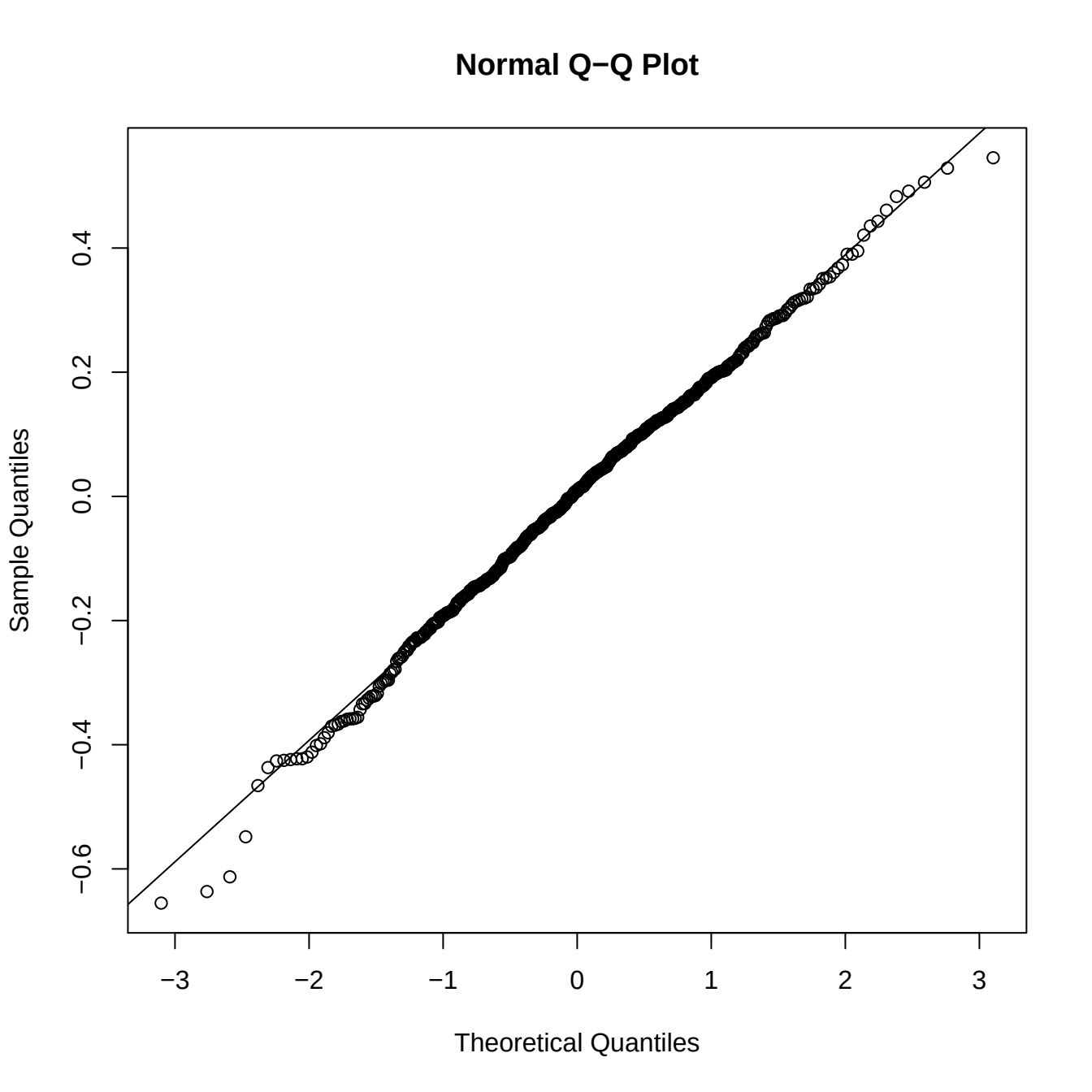

vegetative_mass_at_harvest
ril.data$residual
0.2
0.0
−0.2
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
ril.data$predicted

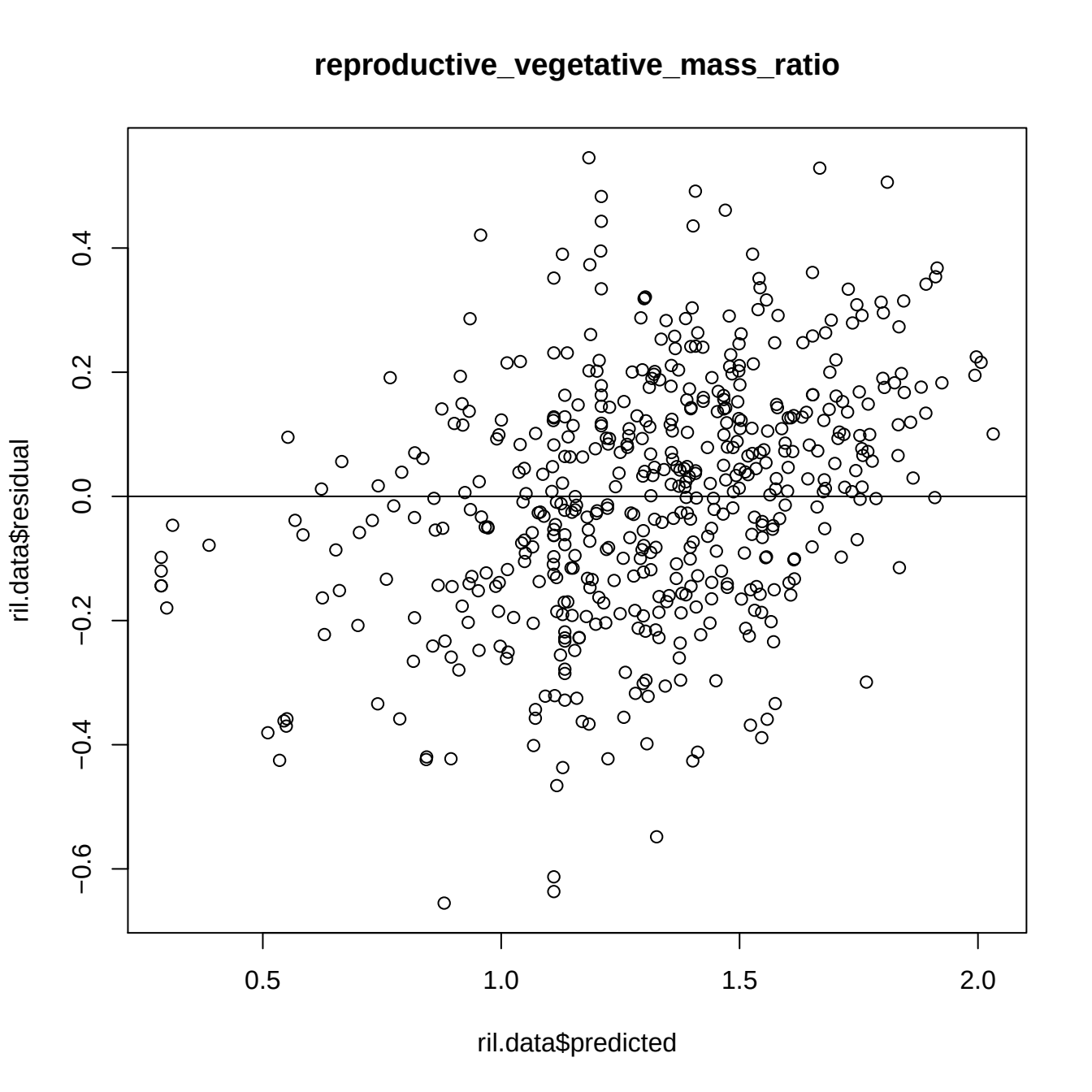

total_mass_at_harvest
0.0
0.5
1.0
1.5
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

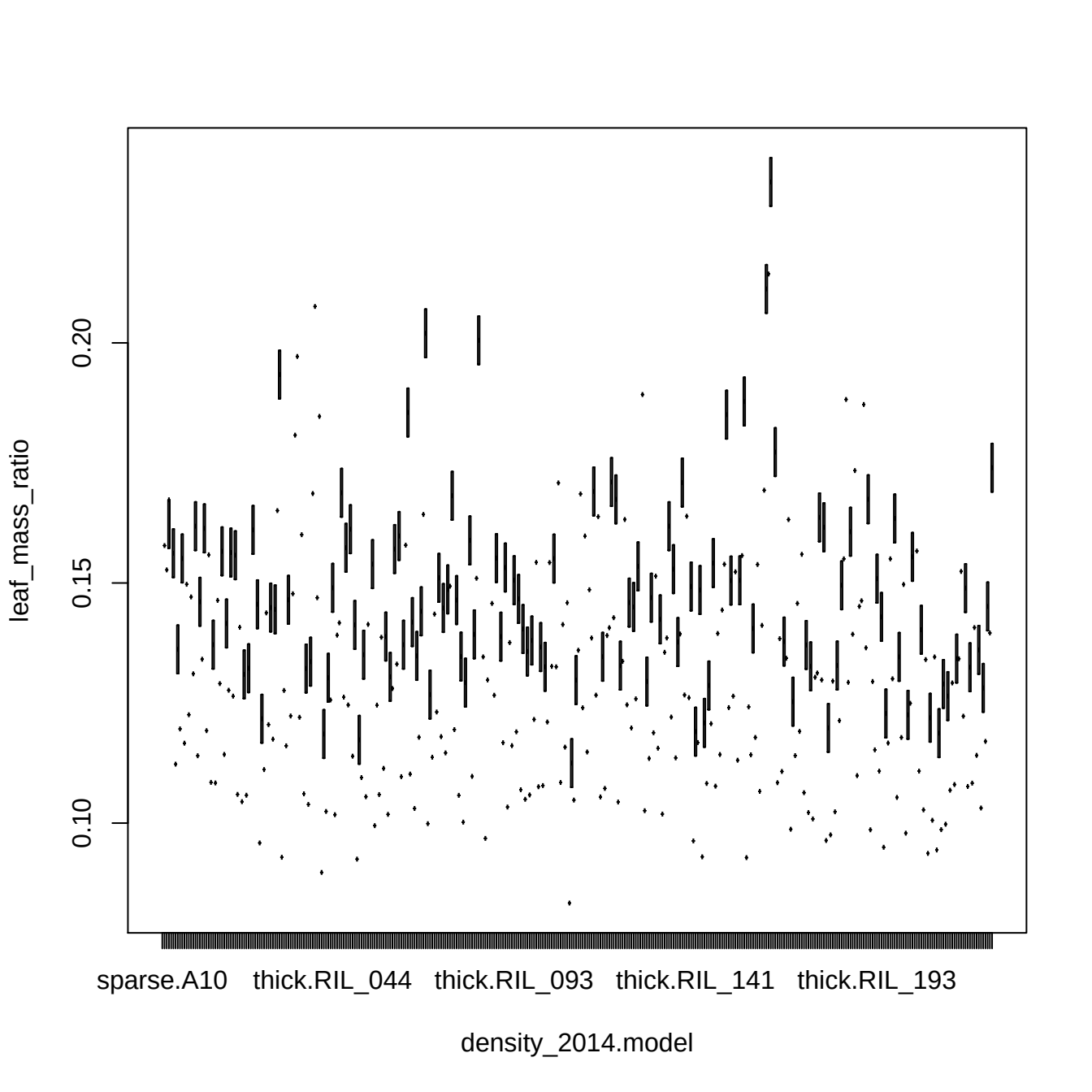

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.2
0.0
−0.2
−0.4
−3
−2
−1
0
1
2
3

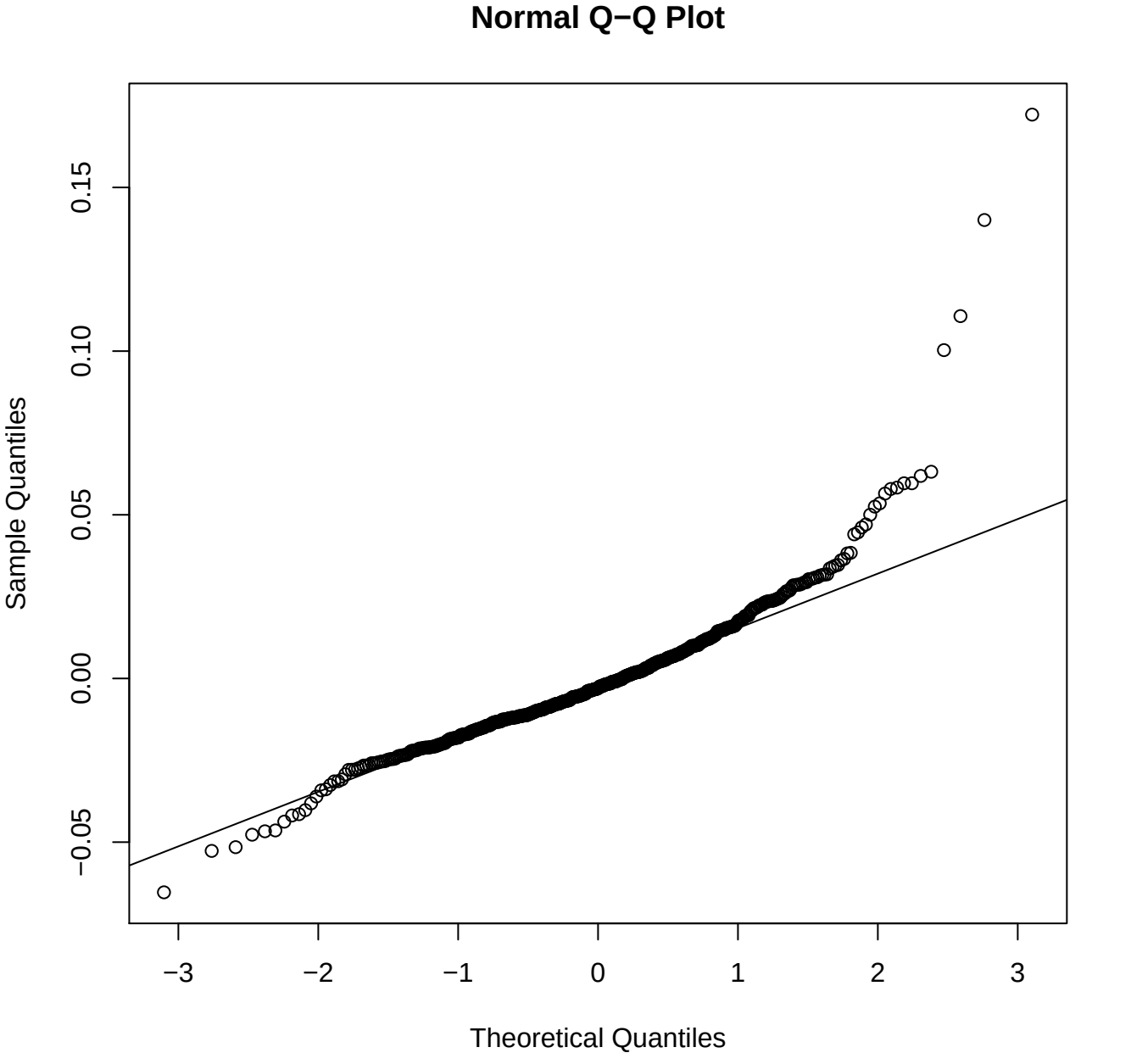

total_mass_at_harvest
ril.data$residual
0.2
0.0
−0.2
−0.4
0.0
0.5
1.0
1.5
ril.data$predicted

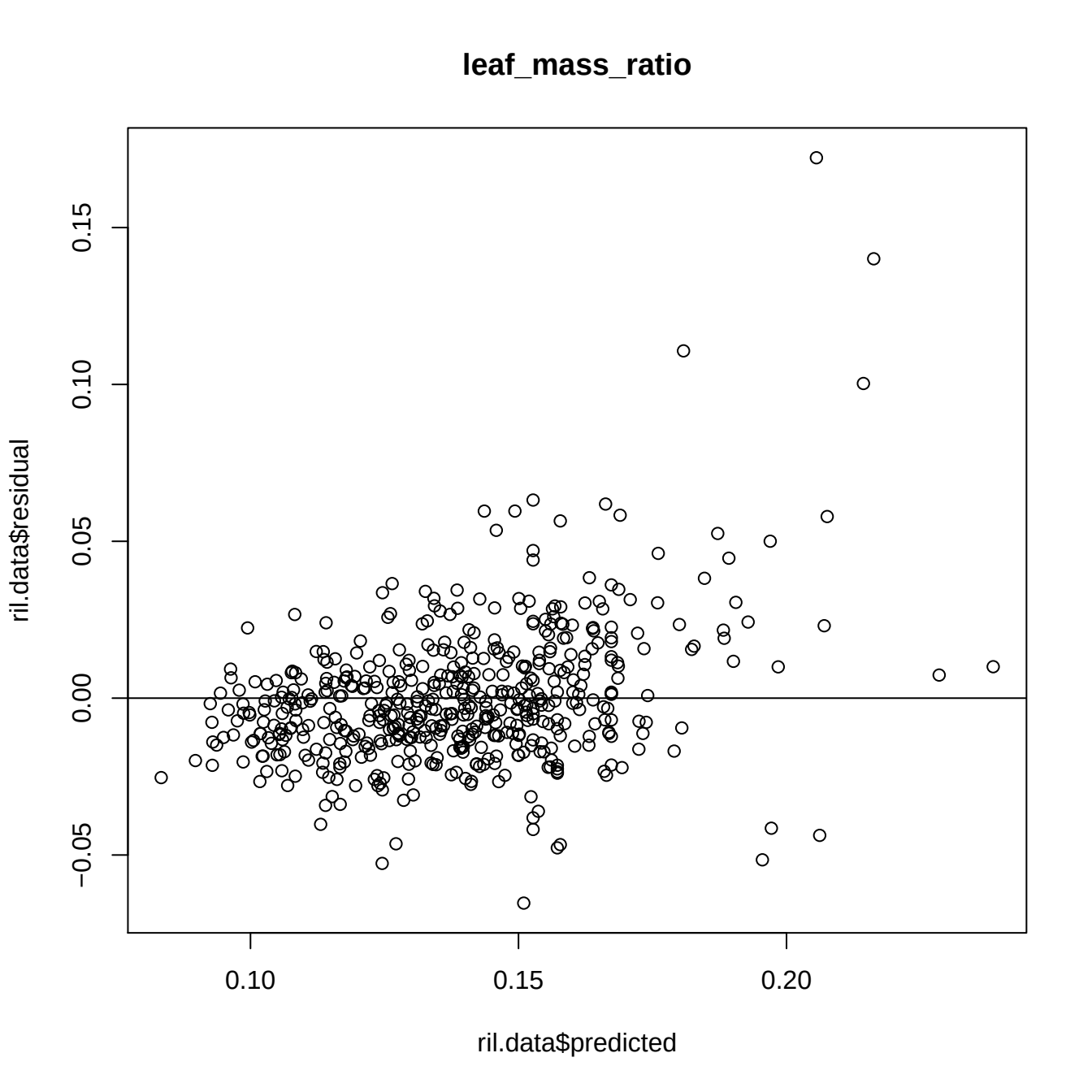

reproductive_vegetative_mass_ratio
0.5
1.0
1.5
2.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

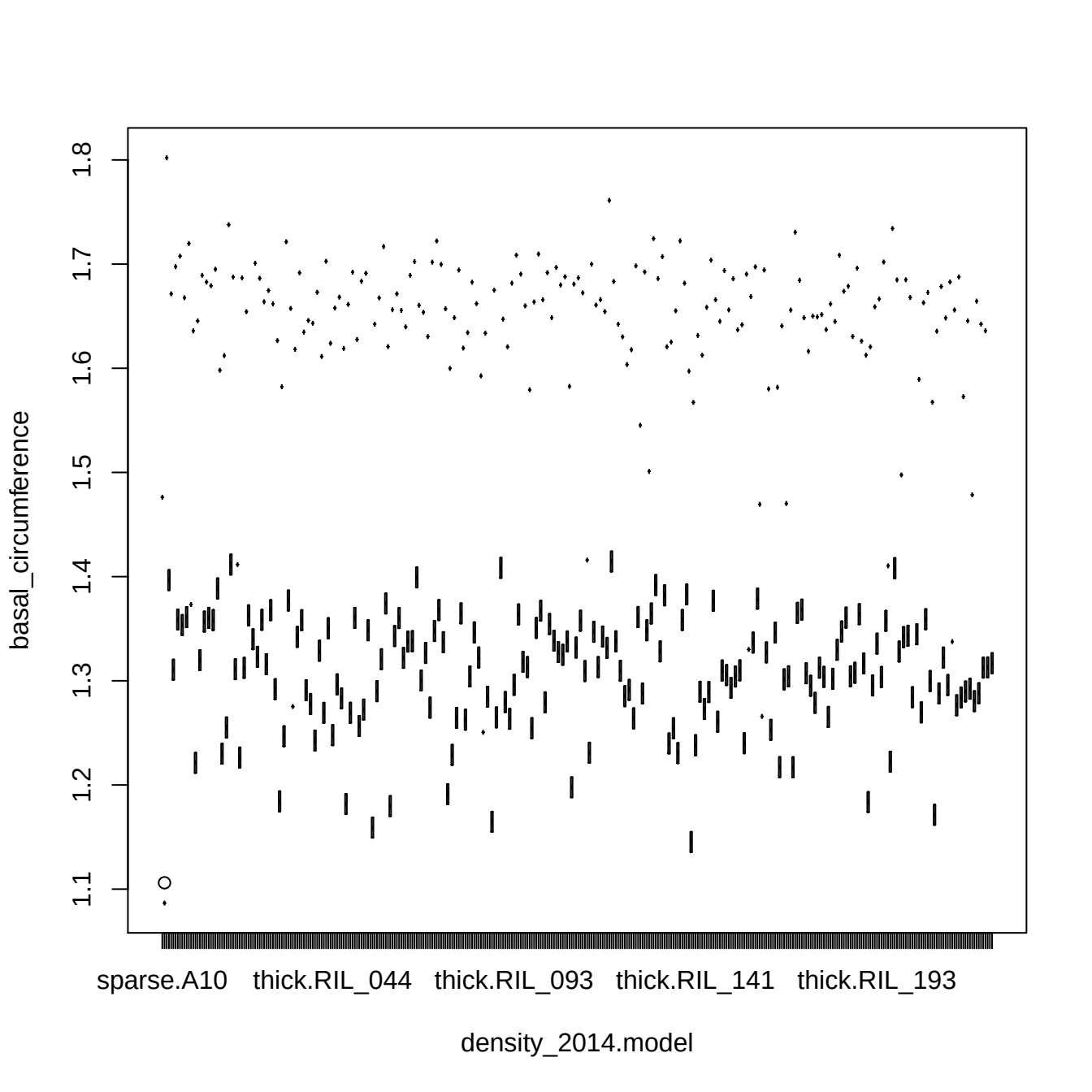

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.4
0.2
0.0
−0.2
−0.4
−0.6
−3
−2
−1
0
1
2
3

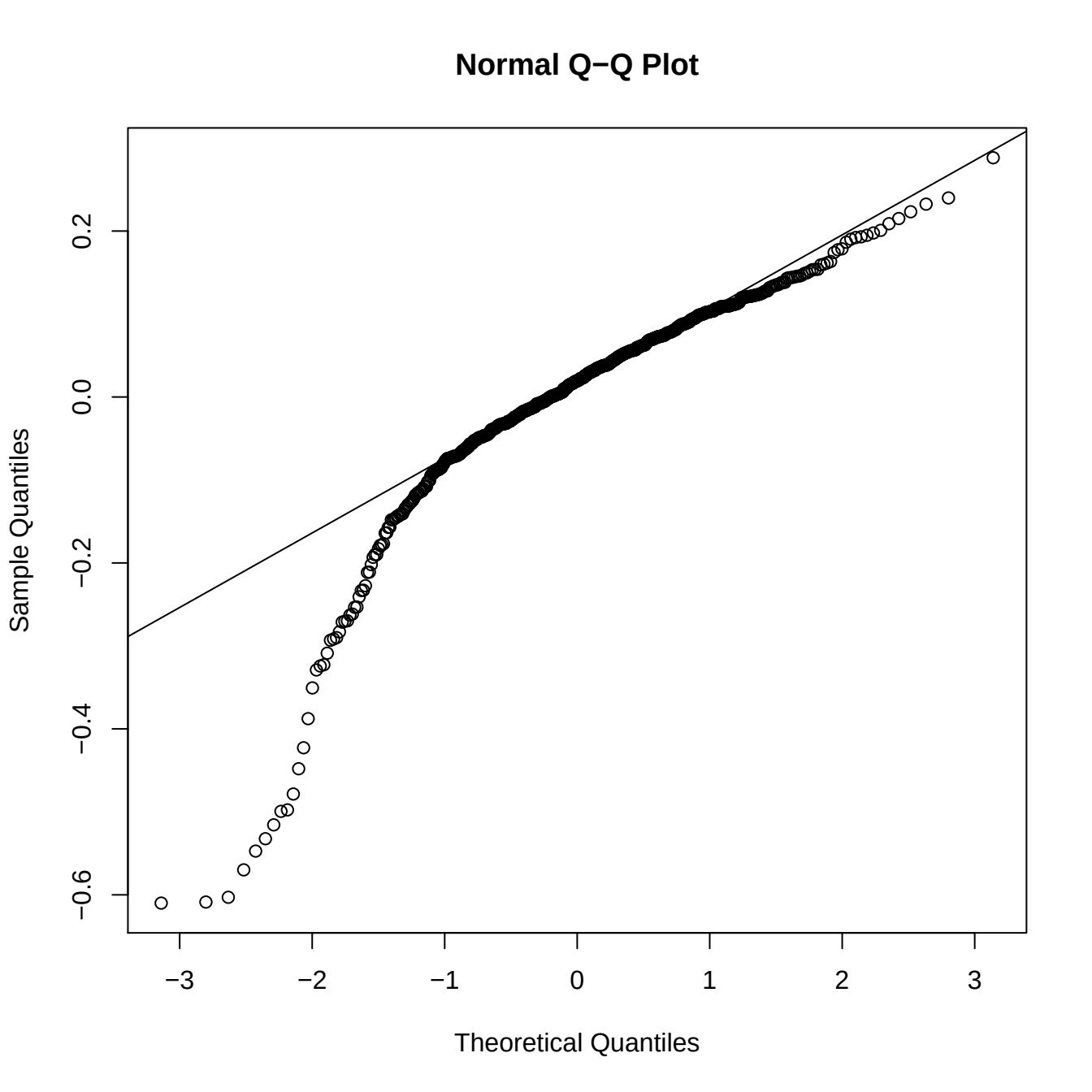

reproductive_vegetative_mass_ratio
ril.data$residual
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.5
1.0
1.5
2.0
ril.data$predicted

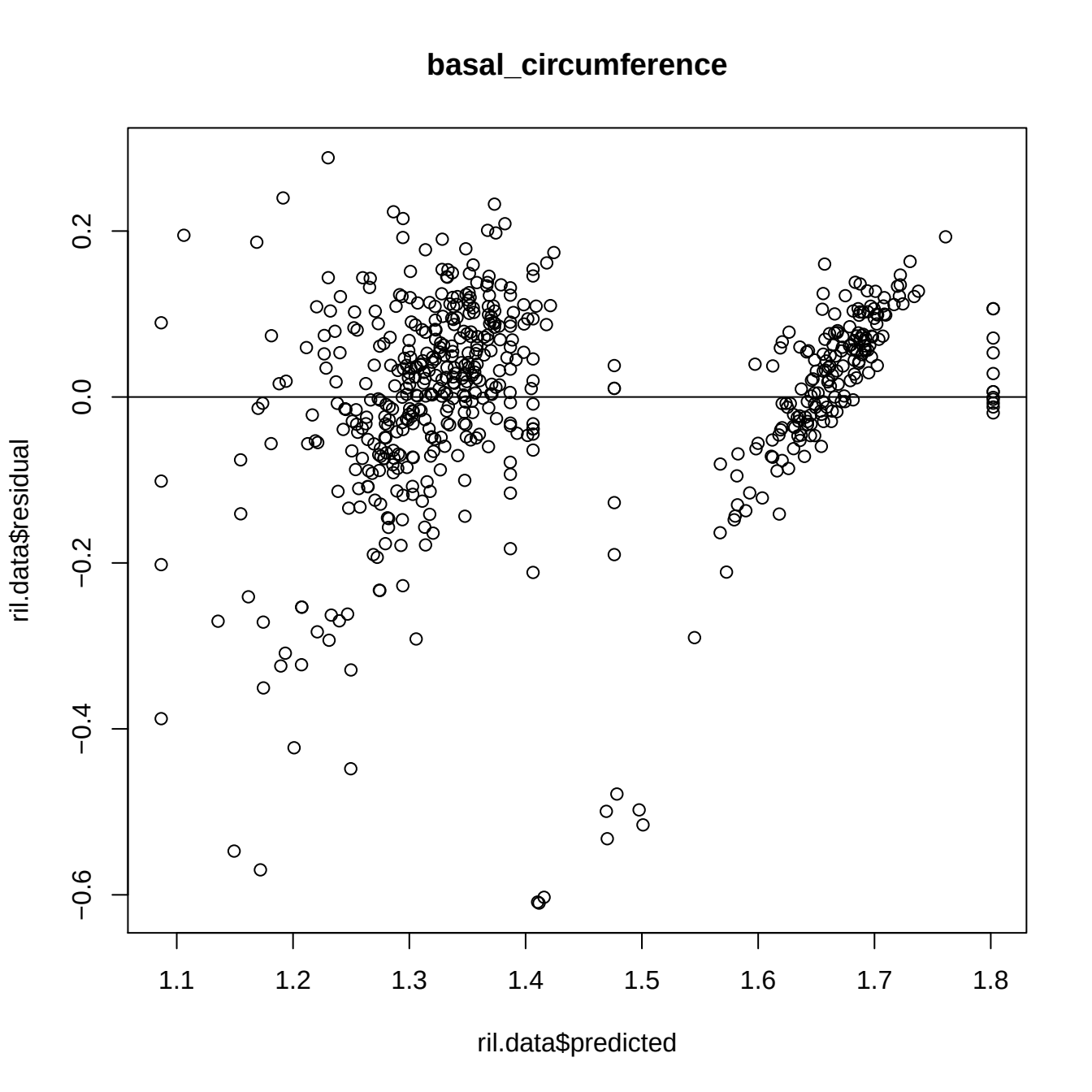

leaf_mass_ratio
0.10
0.15
0.20
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

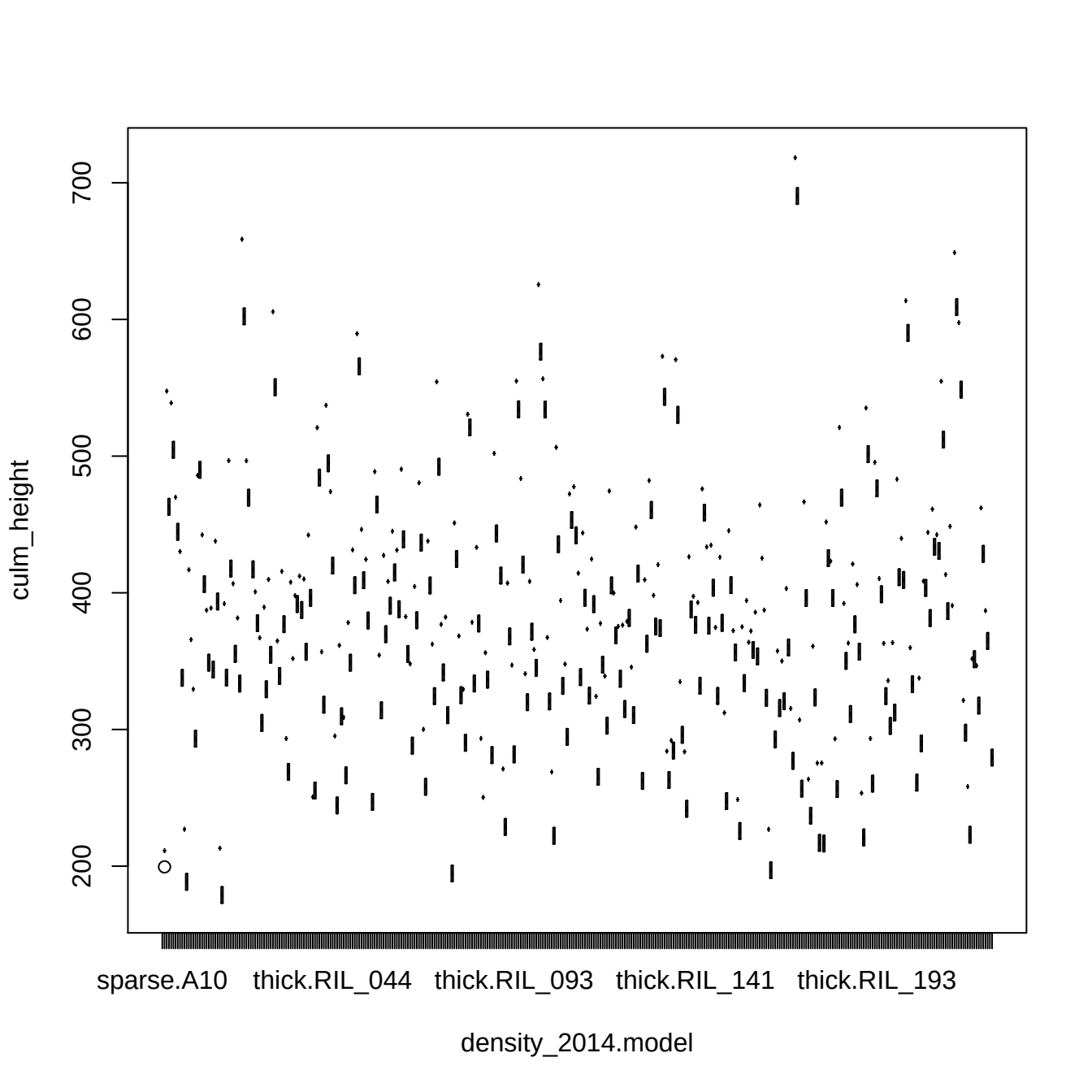

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.15
0.10
0.05
0.00
−0.05
−3
−2
−1
0
1
2
3

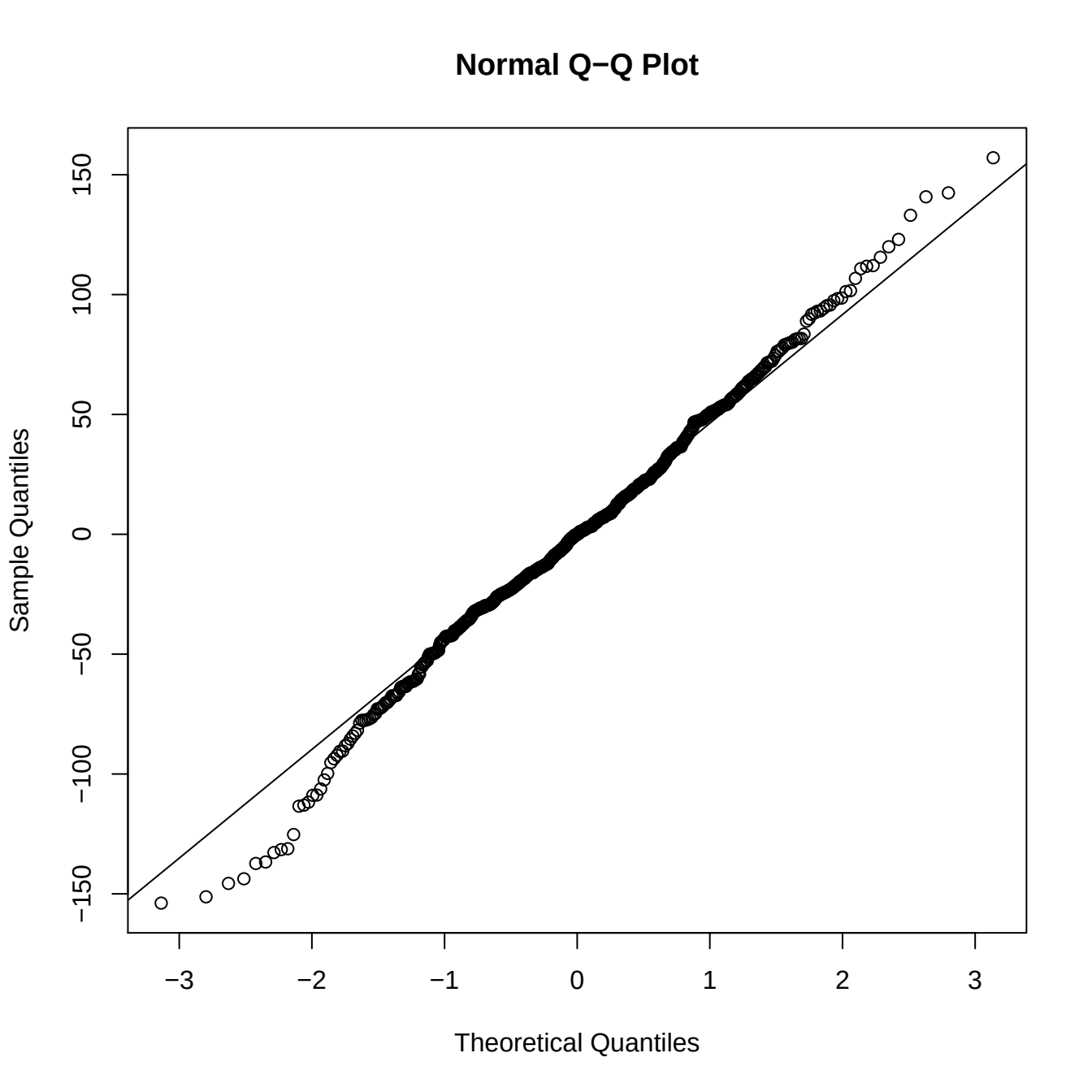

leaf_mass_ratio
ril.data$residual
0.15
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
ril.data$predicted

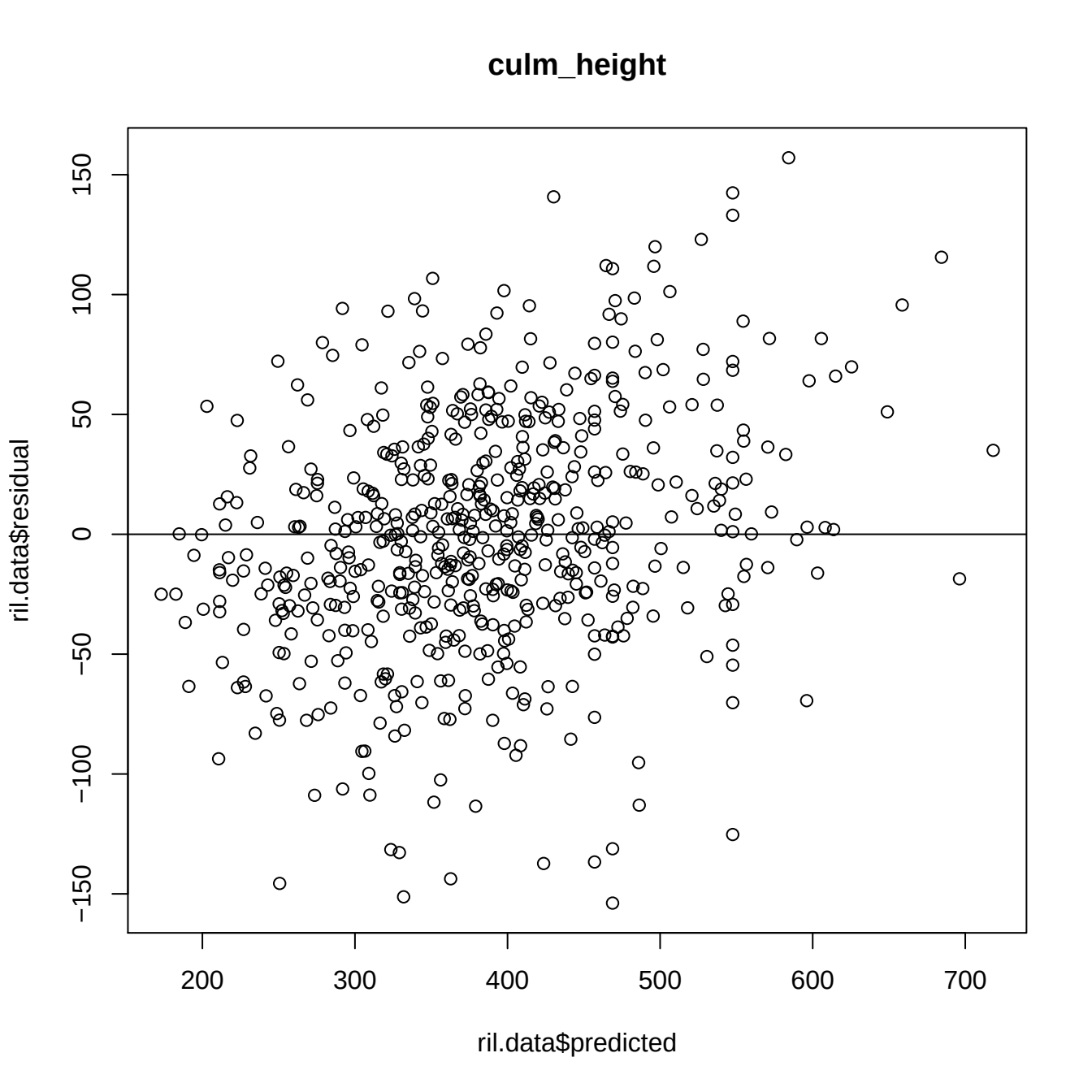

basal_circumference
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

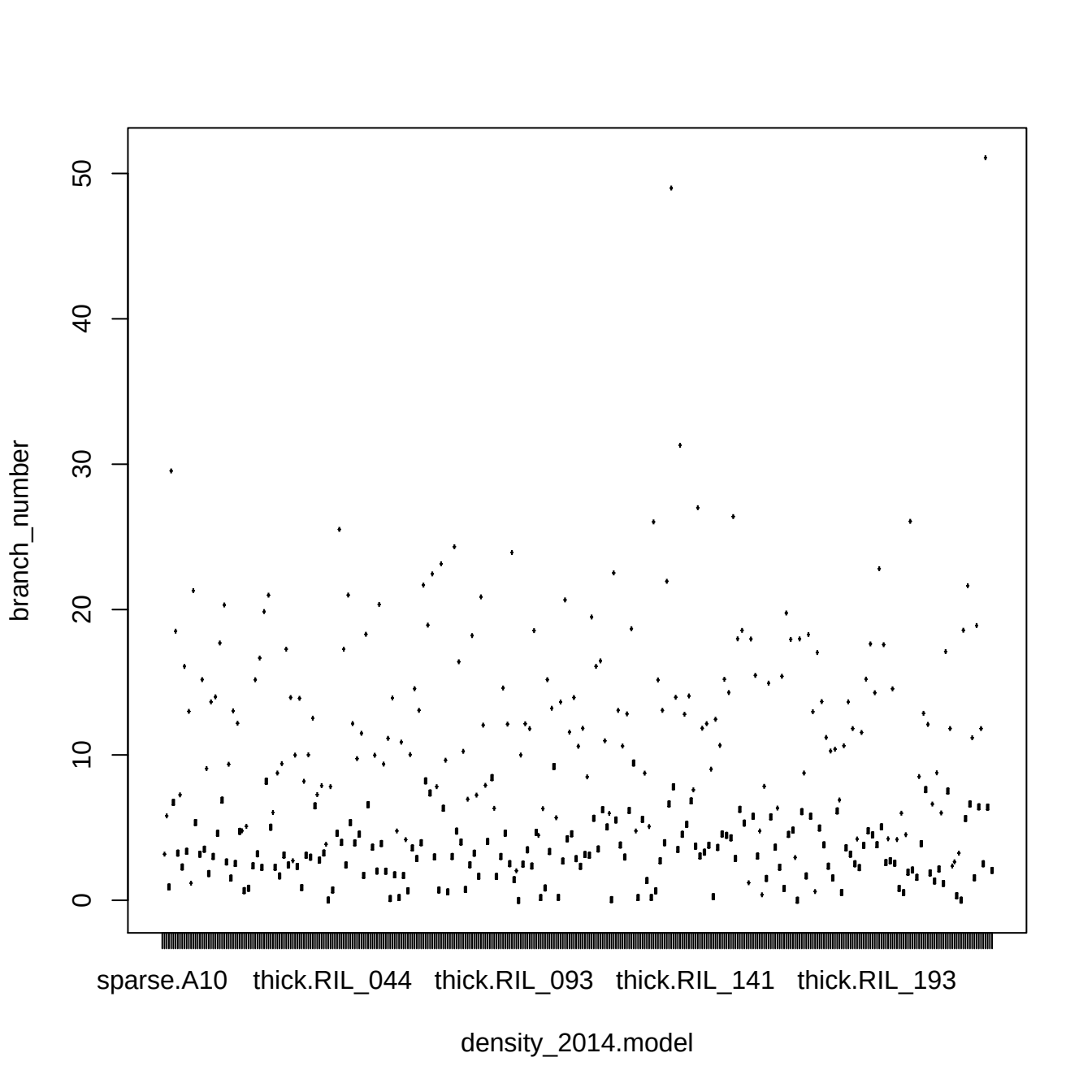

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0.2
0.0
−0.2
−0.4
−0.6
−3
−2
−1
0
1
2
3

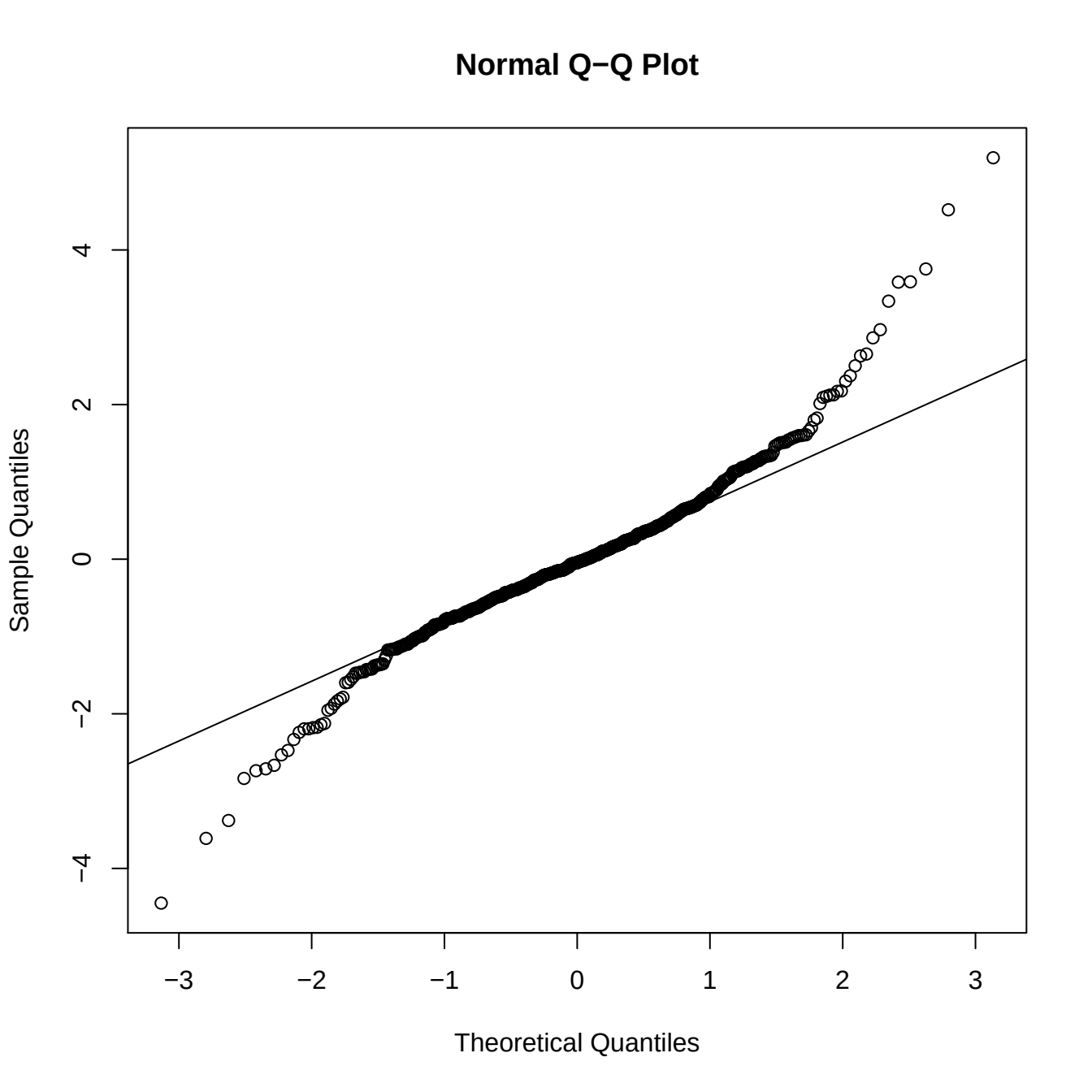

basal_circumference
ril.data$residual
0.2
0.0
−0.2
−0.4
−0.6
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
ril.data$predicted

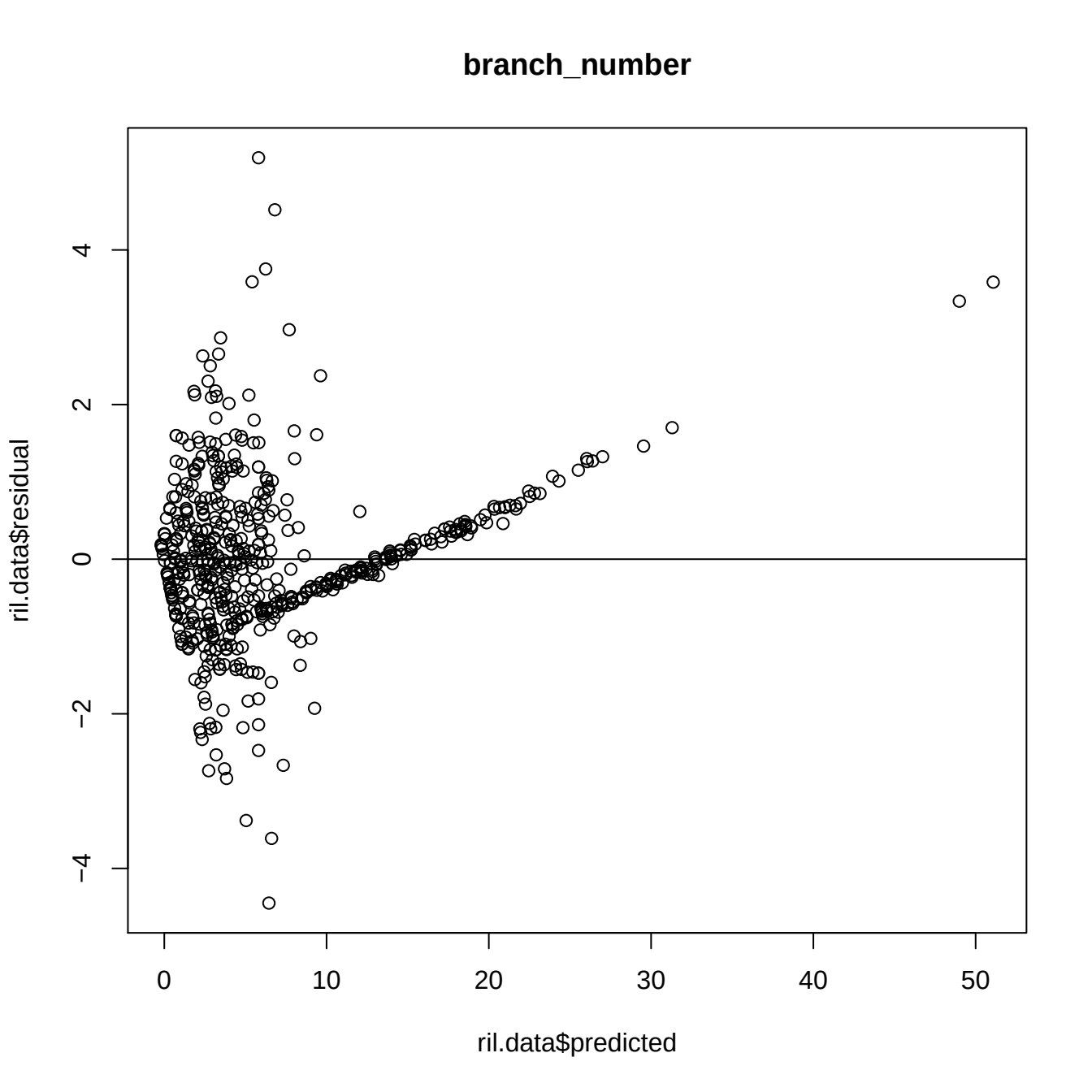

culm_height
700
600
500
400
300
200
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

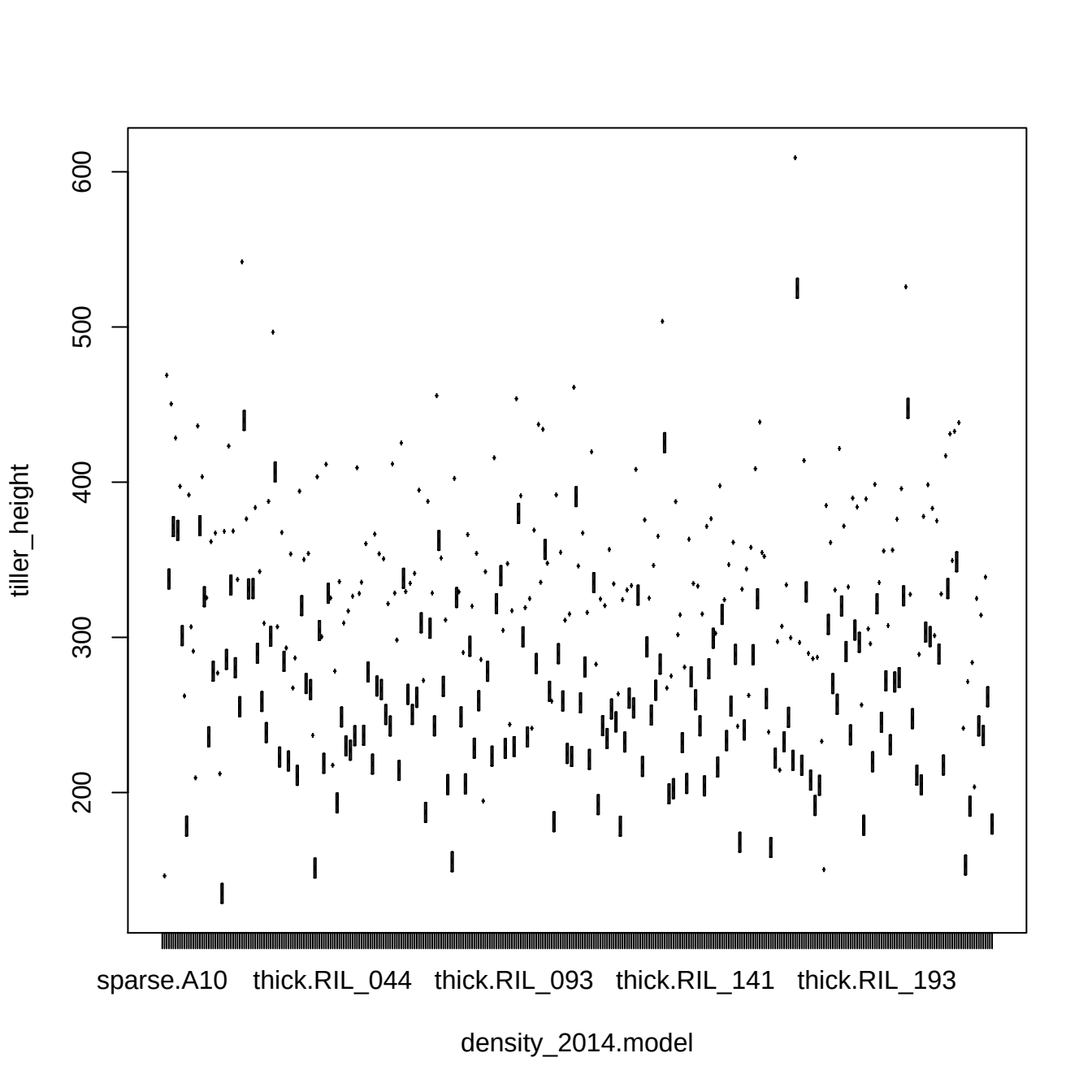

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
150
100
50
0
−50
−100
−150
−3
−2
−1
0
1
2
3

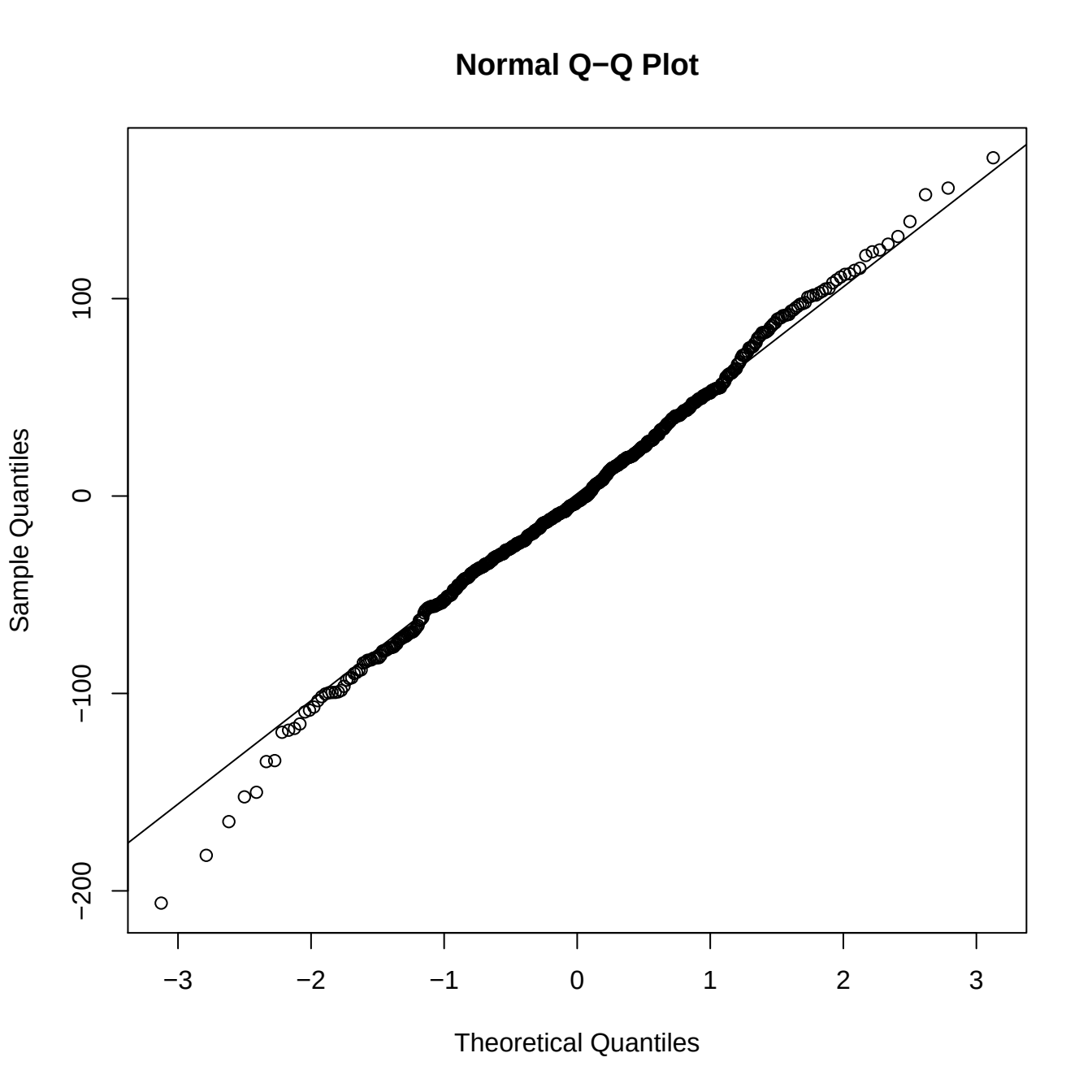

culm_height
ril.data$residual
150
100
50
0
−50
−100
−150
200
300
400
500
600
700
ril.data$predicted

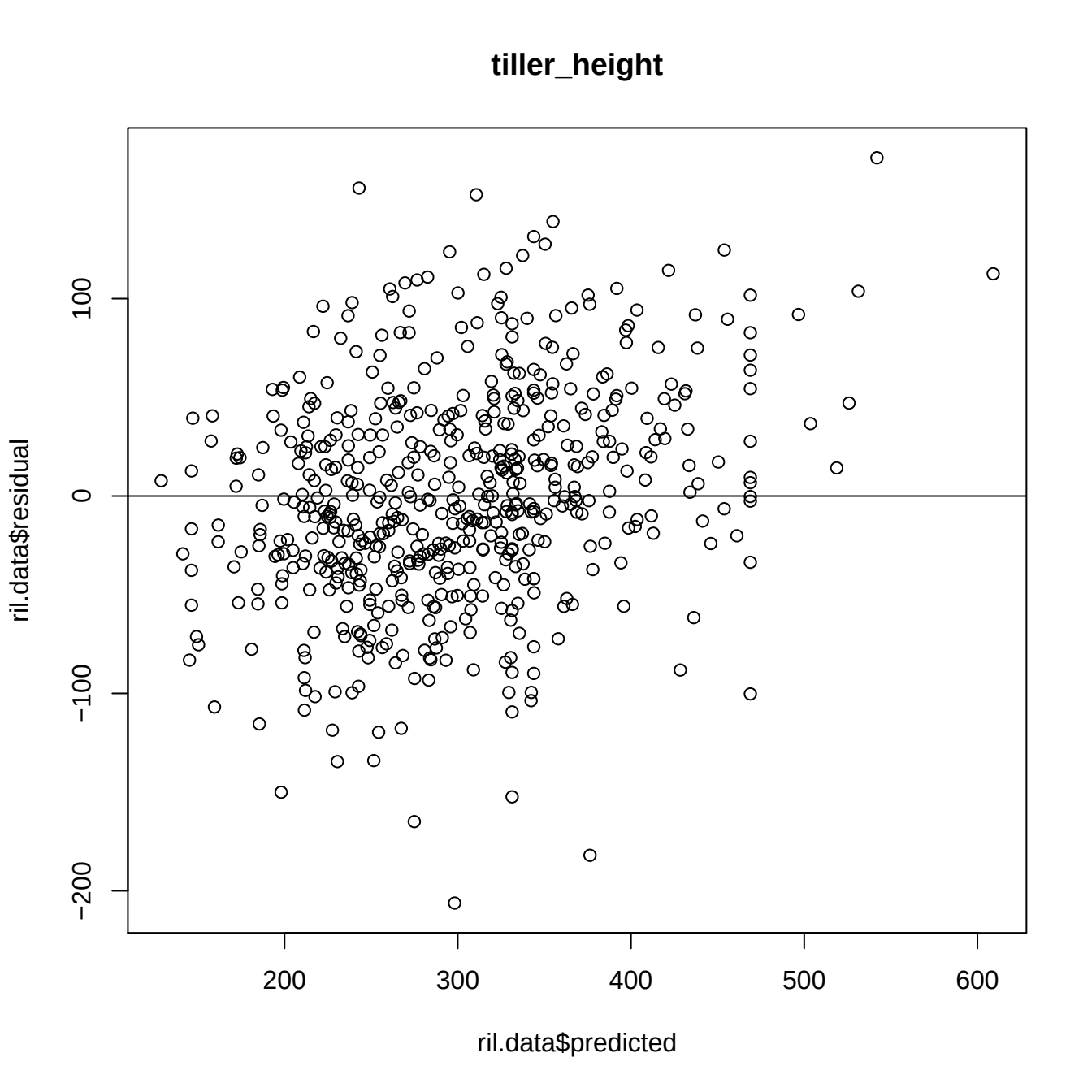

branch_number
0
10
20
30
40
50
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model

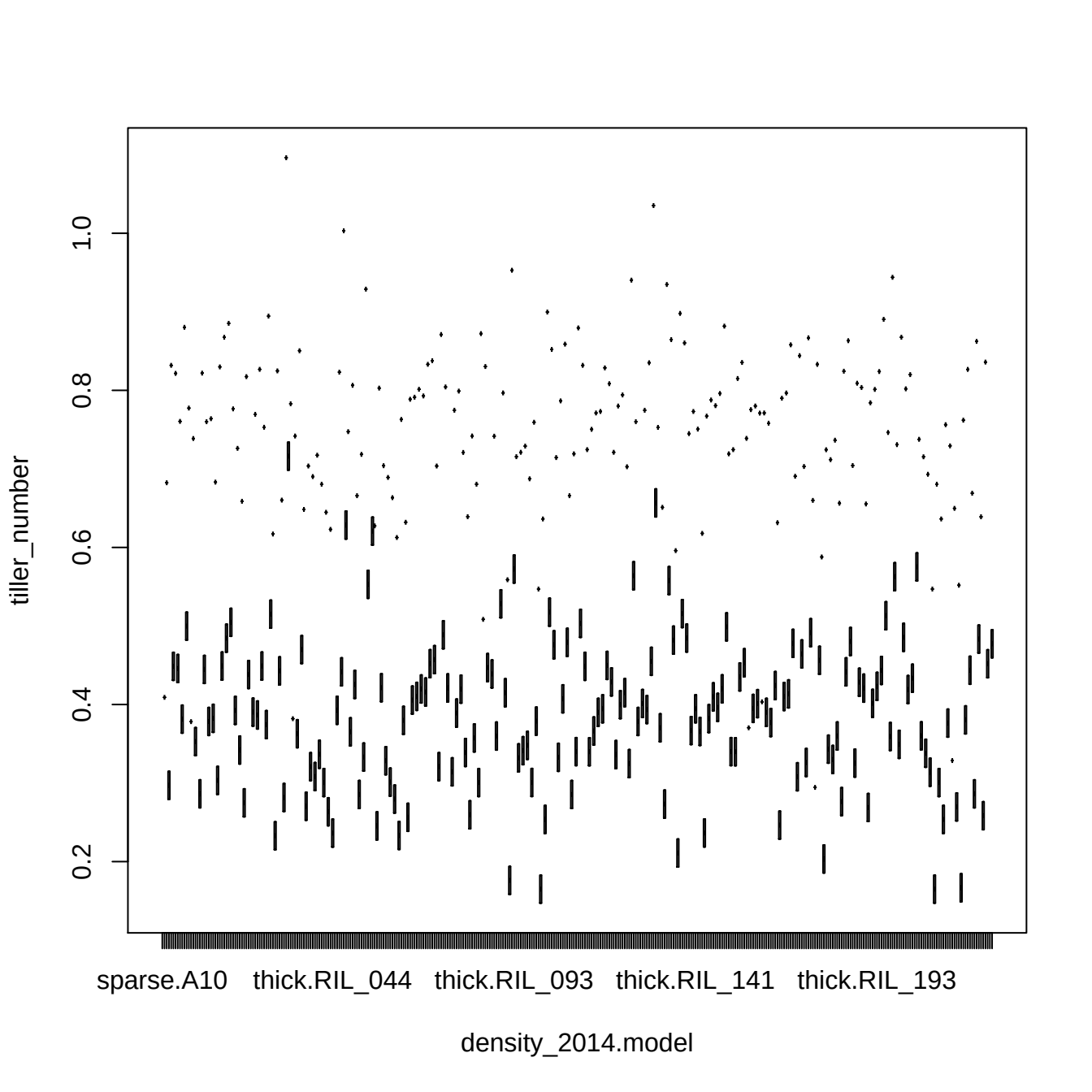

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
4
2
0
−2
−4
−3
−2
−1
0
1
2
3

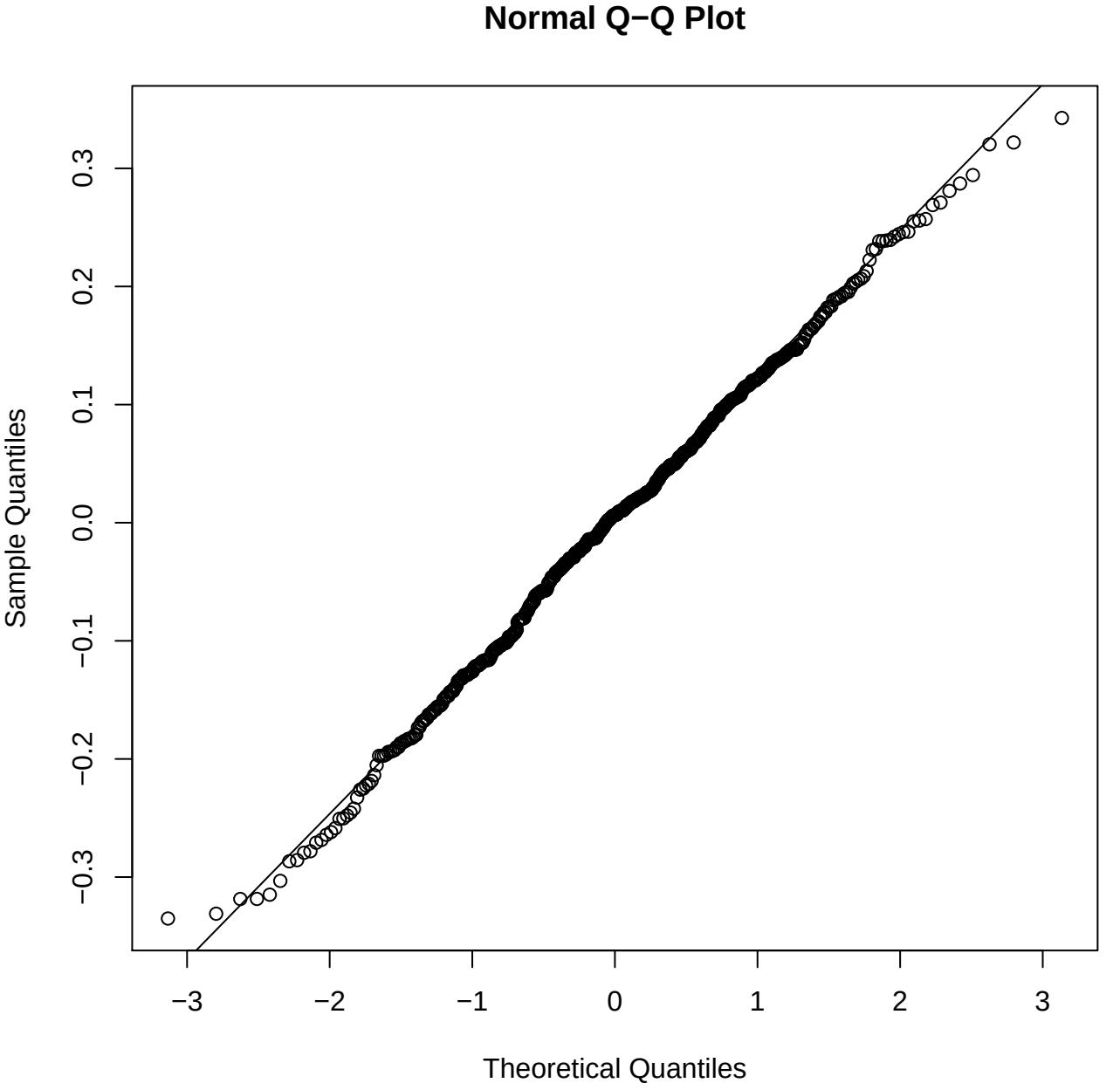

branch_number
ril.data$residual
ril.data$predicted
4
2
0
−2
−4
0
10
20
30
40
50

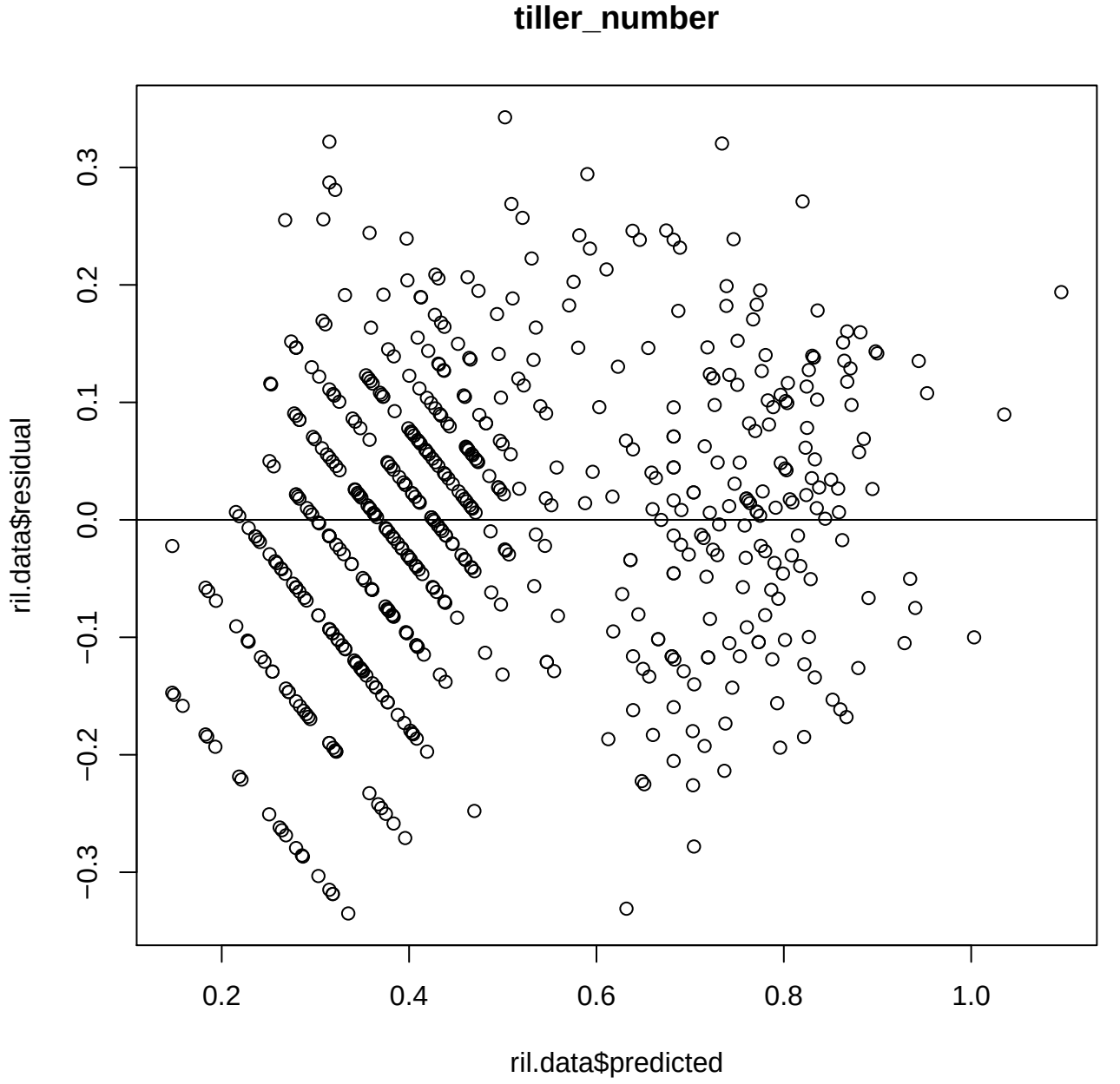

tiller_height
600
500
400
300
200
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model


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


tiller_height
ril.data$residual
100
0
−100
−200
200
300
400
500
600
ril.data$predicted


tiller_number
0.2
0.4
0.6
0.8
1.0
sparse.A10
thick.RIL_044
thick.RIL_093
thick.RIL_141
thick.RIL_193
density_2014.model


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


tiller_number
ril.data$residual
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.2
0.4
0.6
0.8
1.0
ril.data$predicted