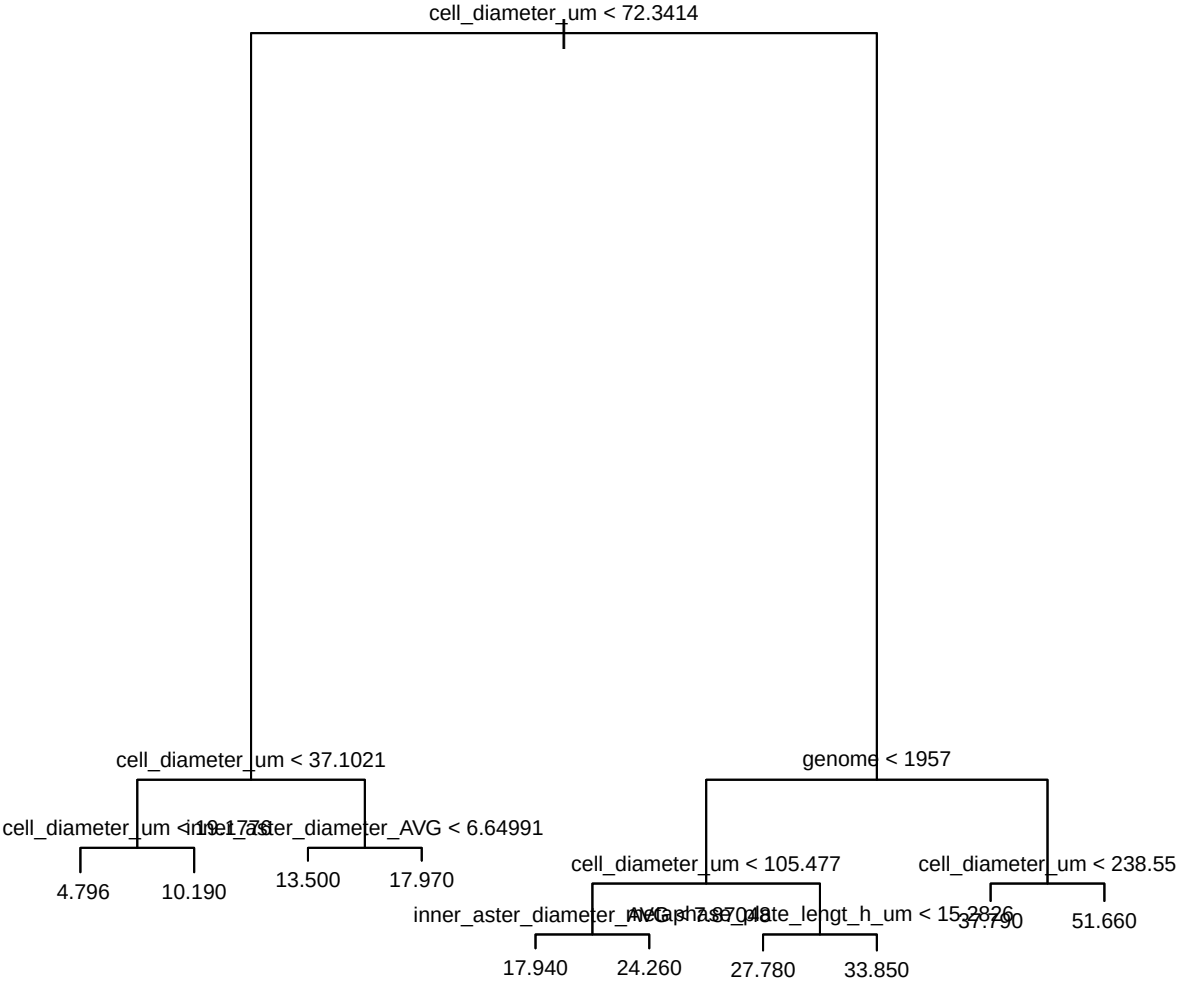
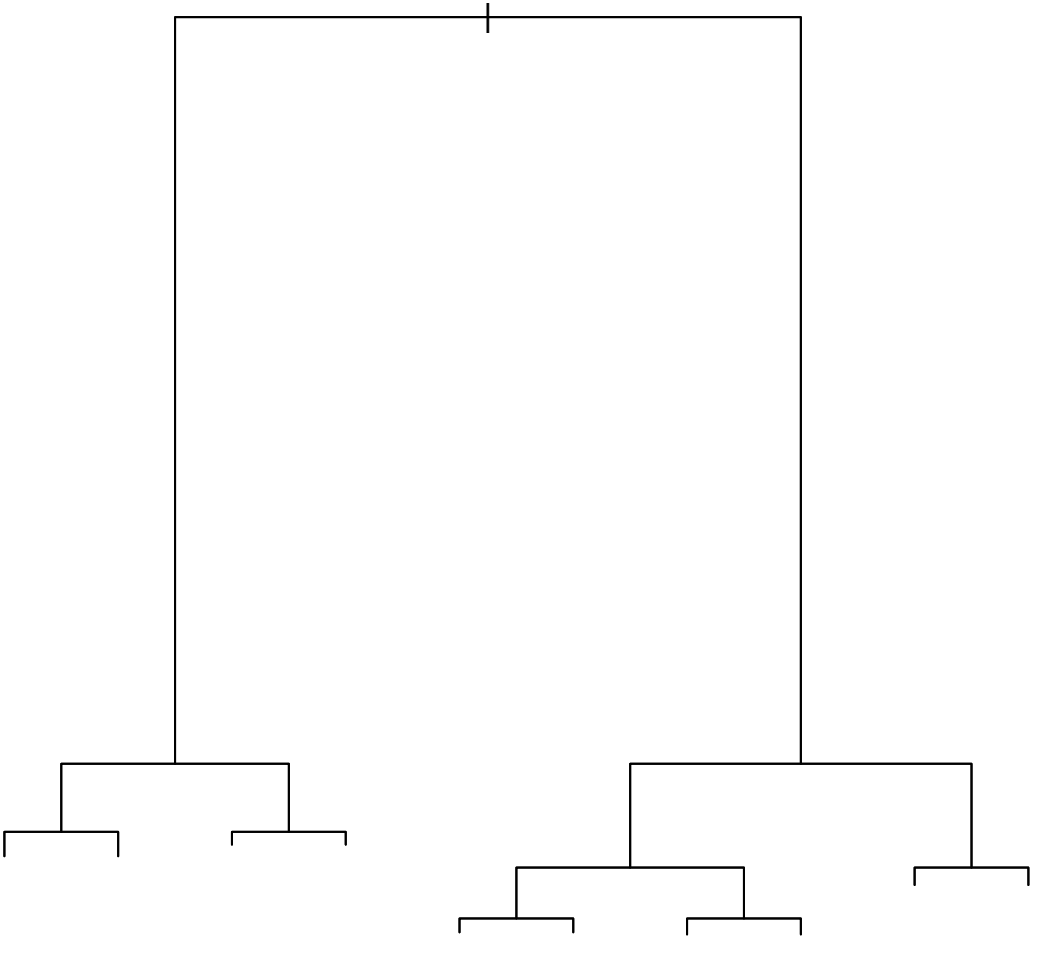
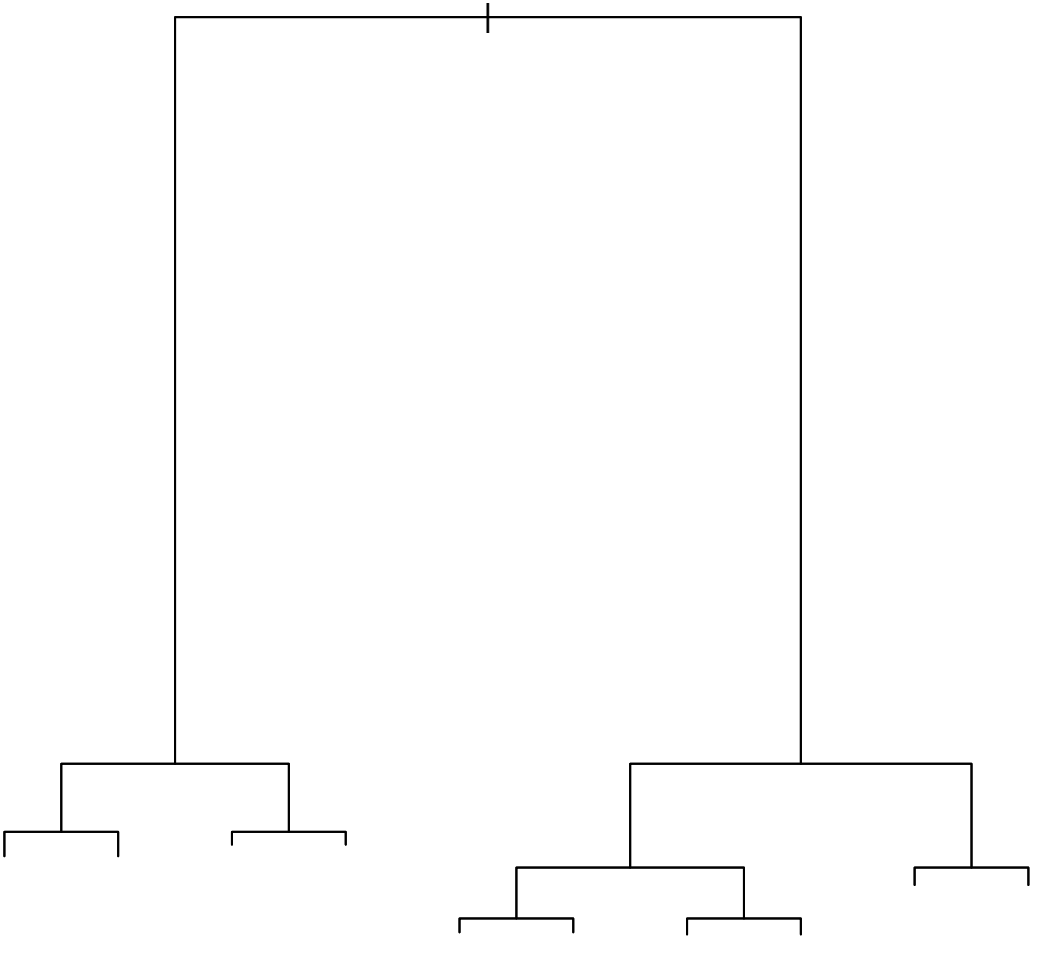
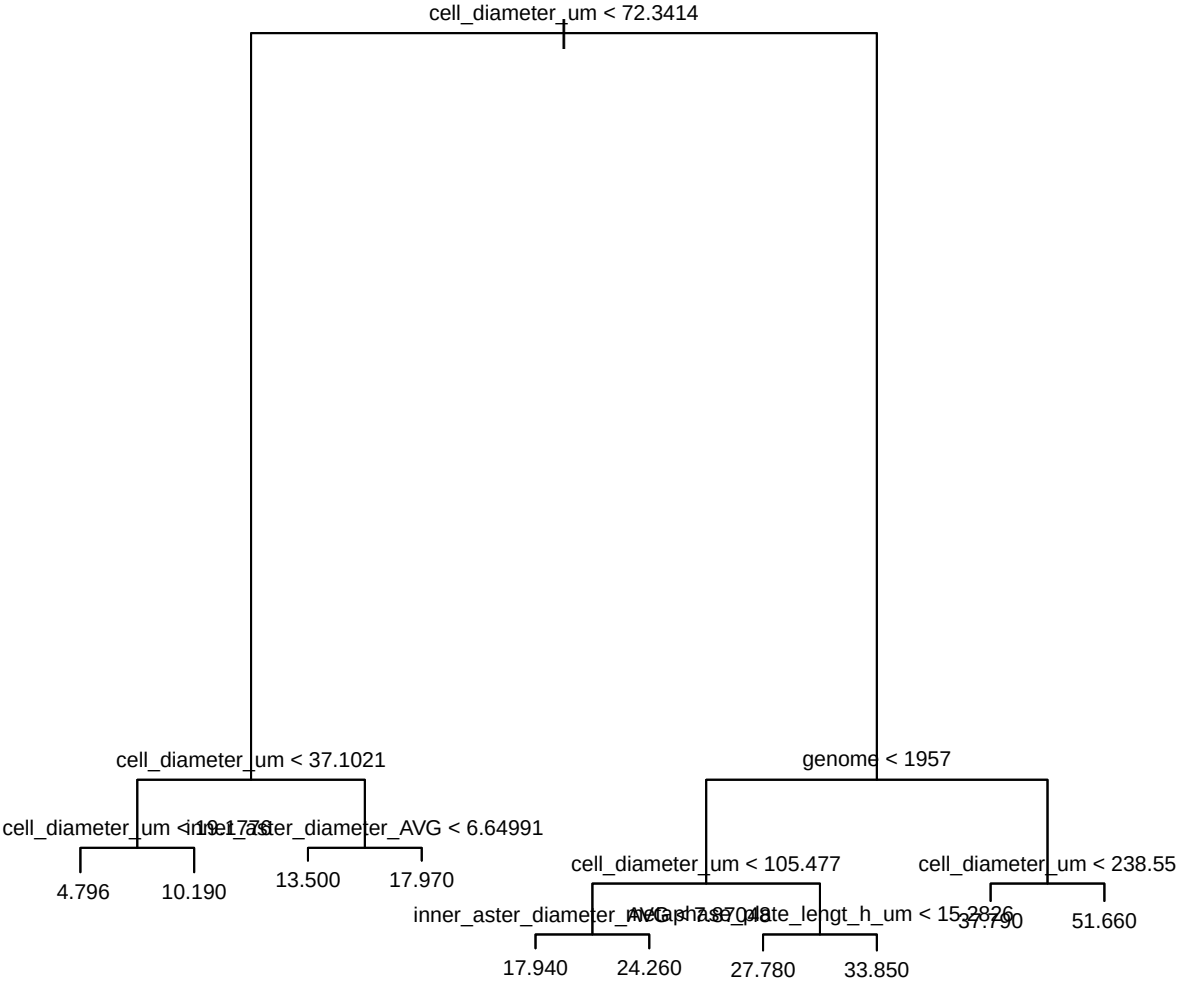

cell_diameter_um < 72.3414
cell_diameter_um < 37.1021
genome < 1957
cell_diameter_um < 19.1776
inner_aster_diameter_AVG < 6.64991
cell_diameter_um < 105.477
cell_diameter_um < 238.55
4.796
10.190
13.500
17.970
17.940
24.260
27.780
33.850
37.790
51.660



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4.796
10.190
13.500
17.970
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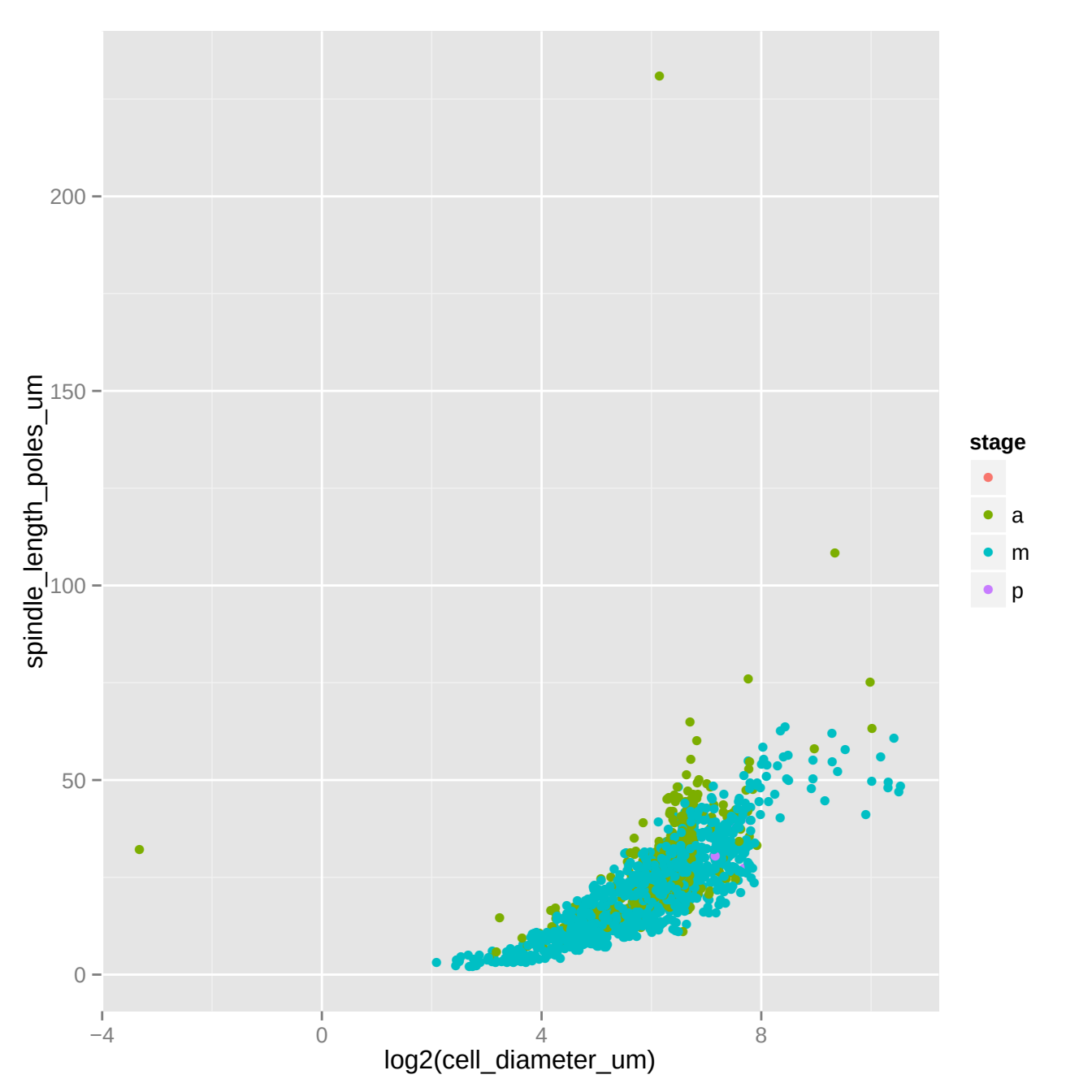
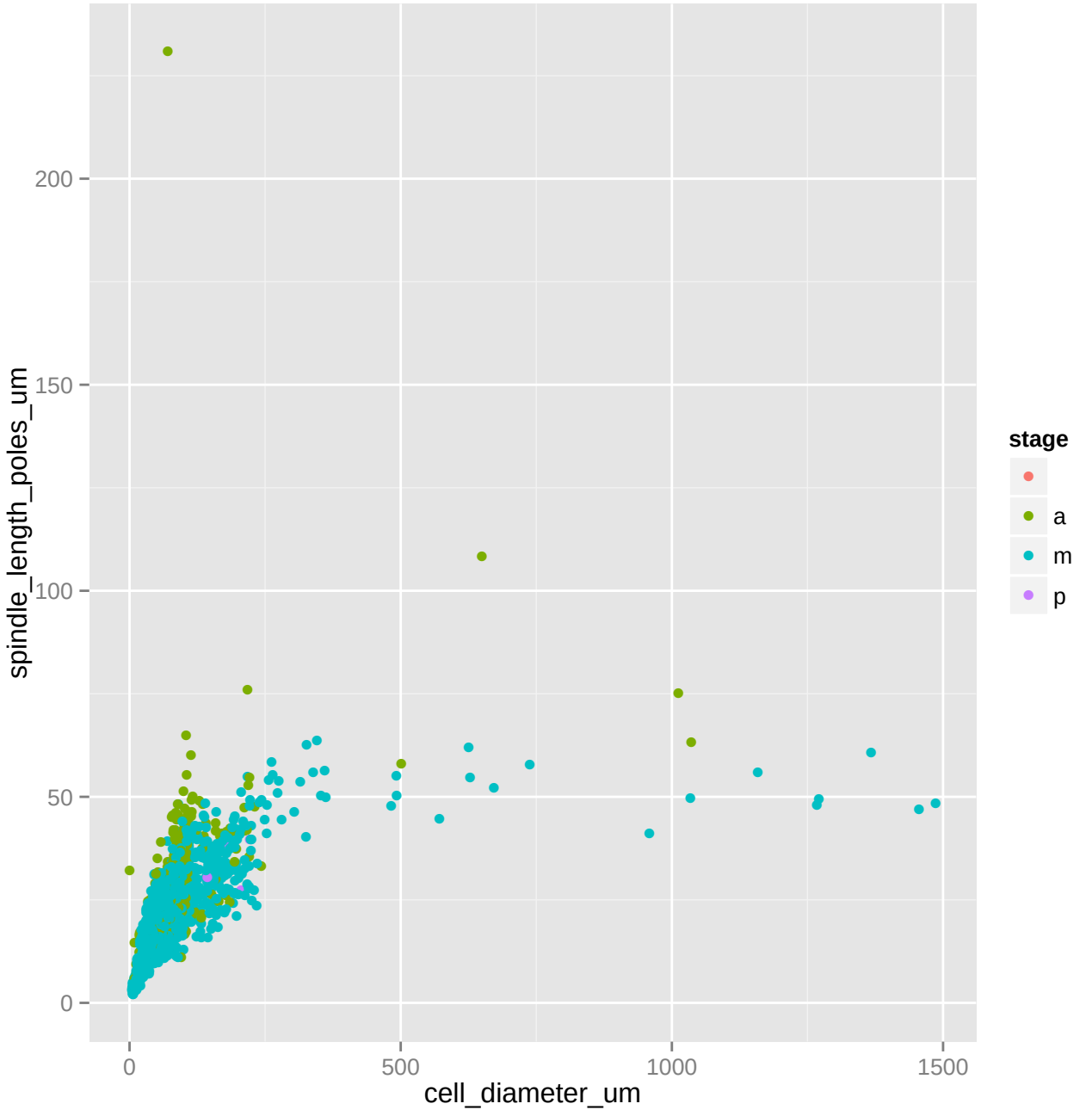
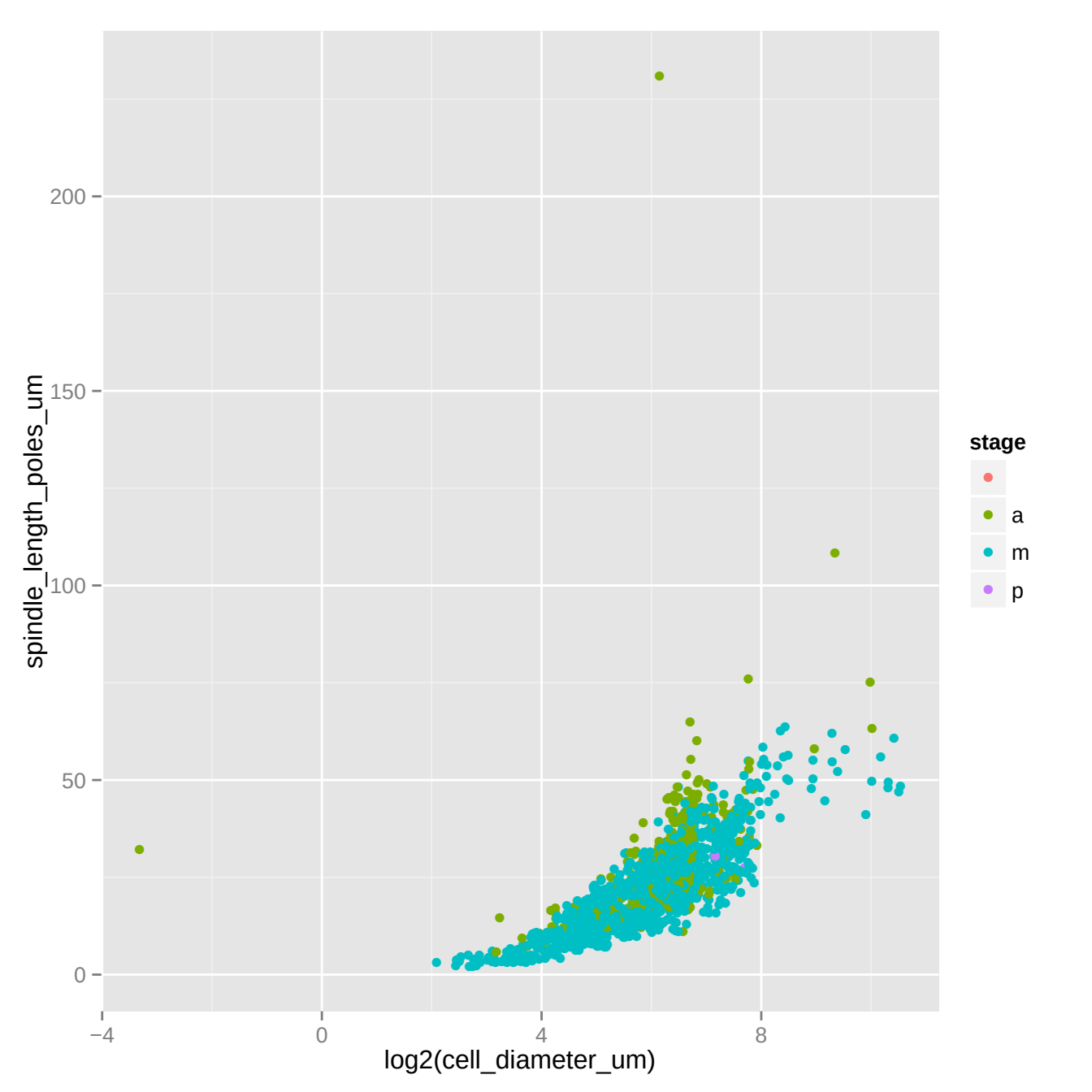
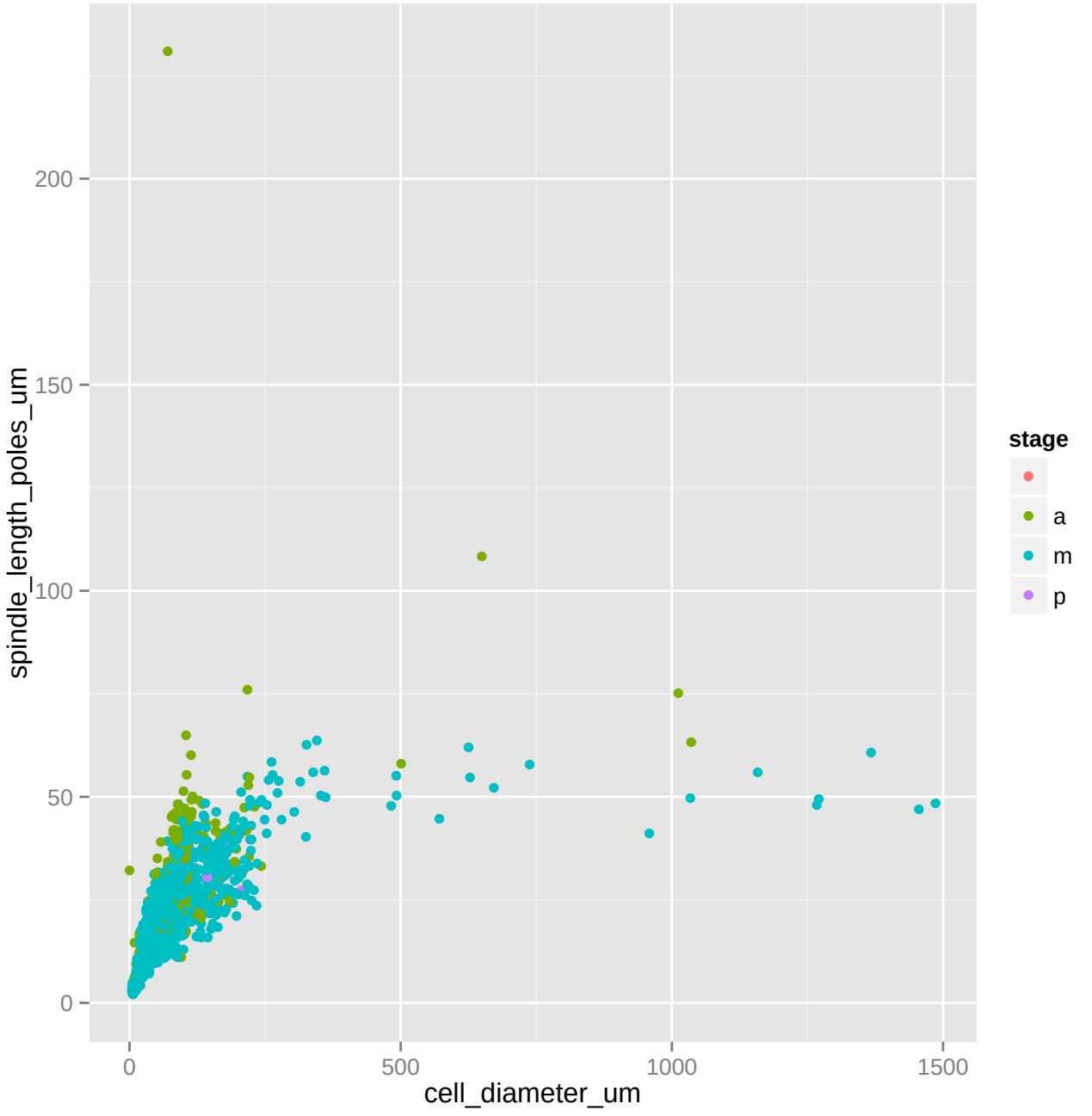
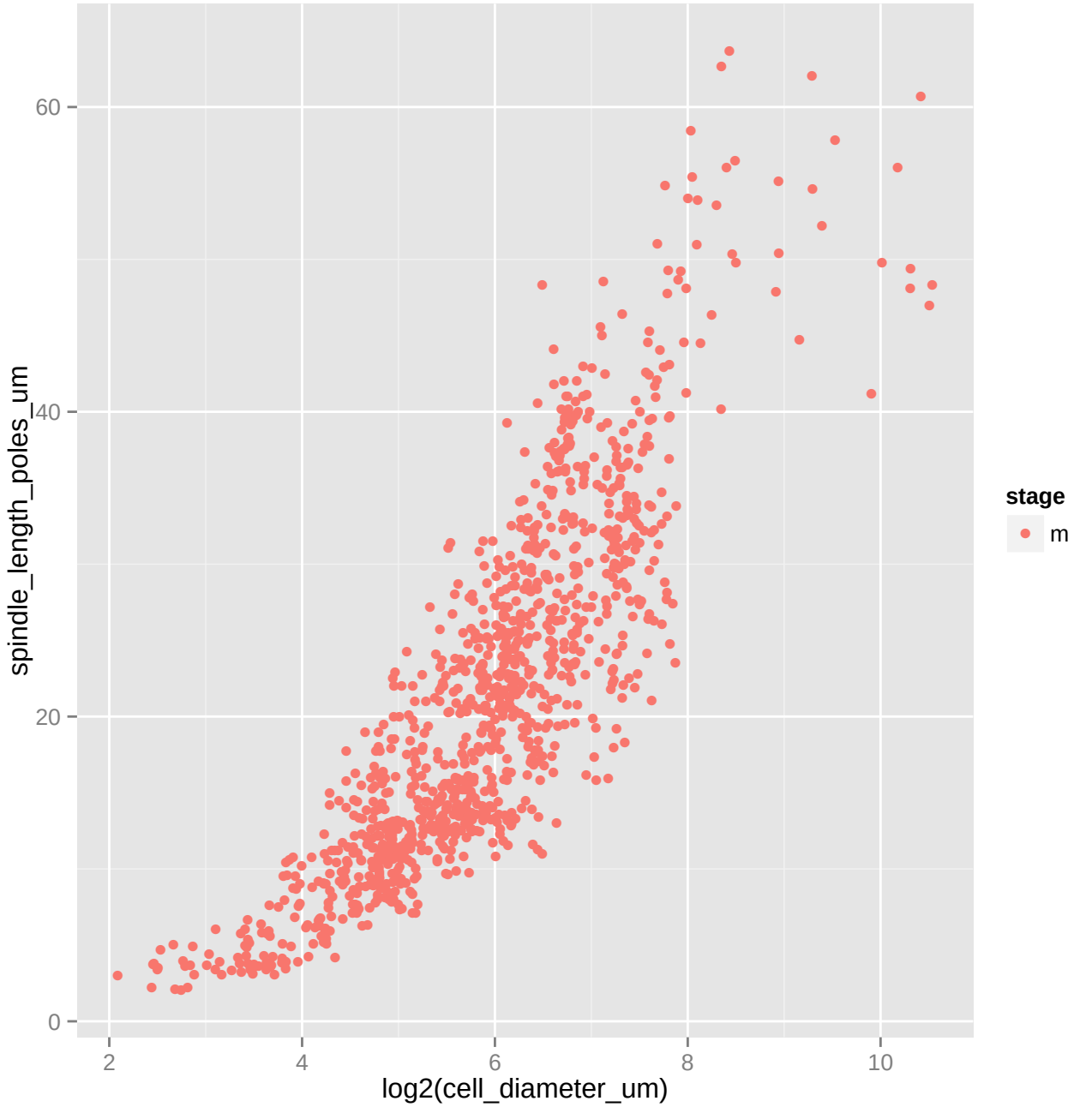
27.780
33.850
37.790
51.660

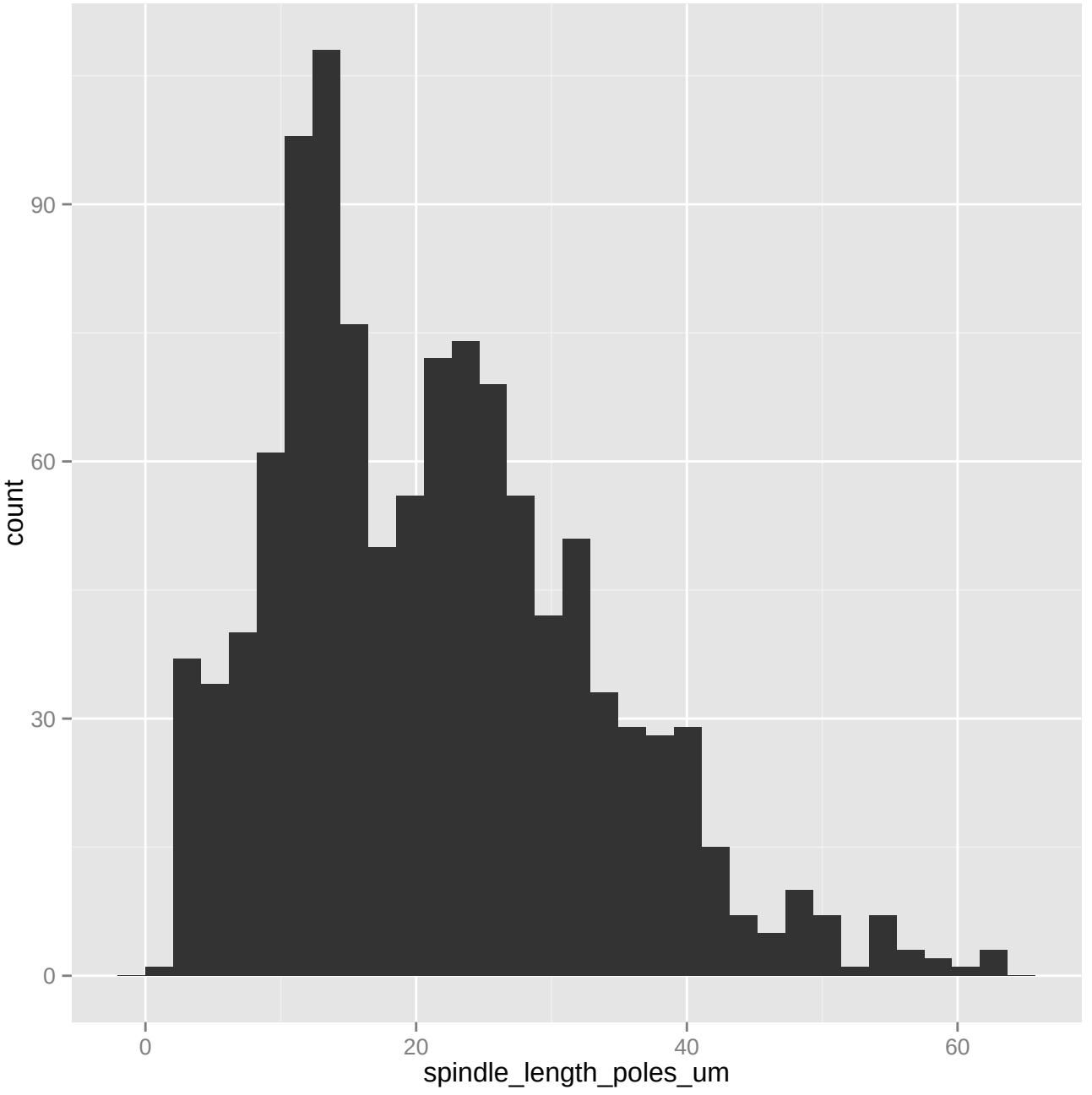

spindle_length_poles_um
200
150
100
50
0
−4
0
4
8
log2(cell_diameter_um)
stage
a
m
p

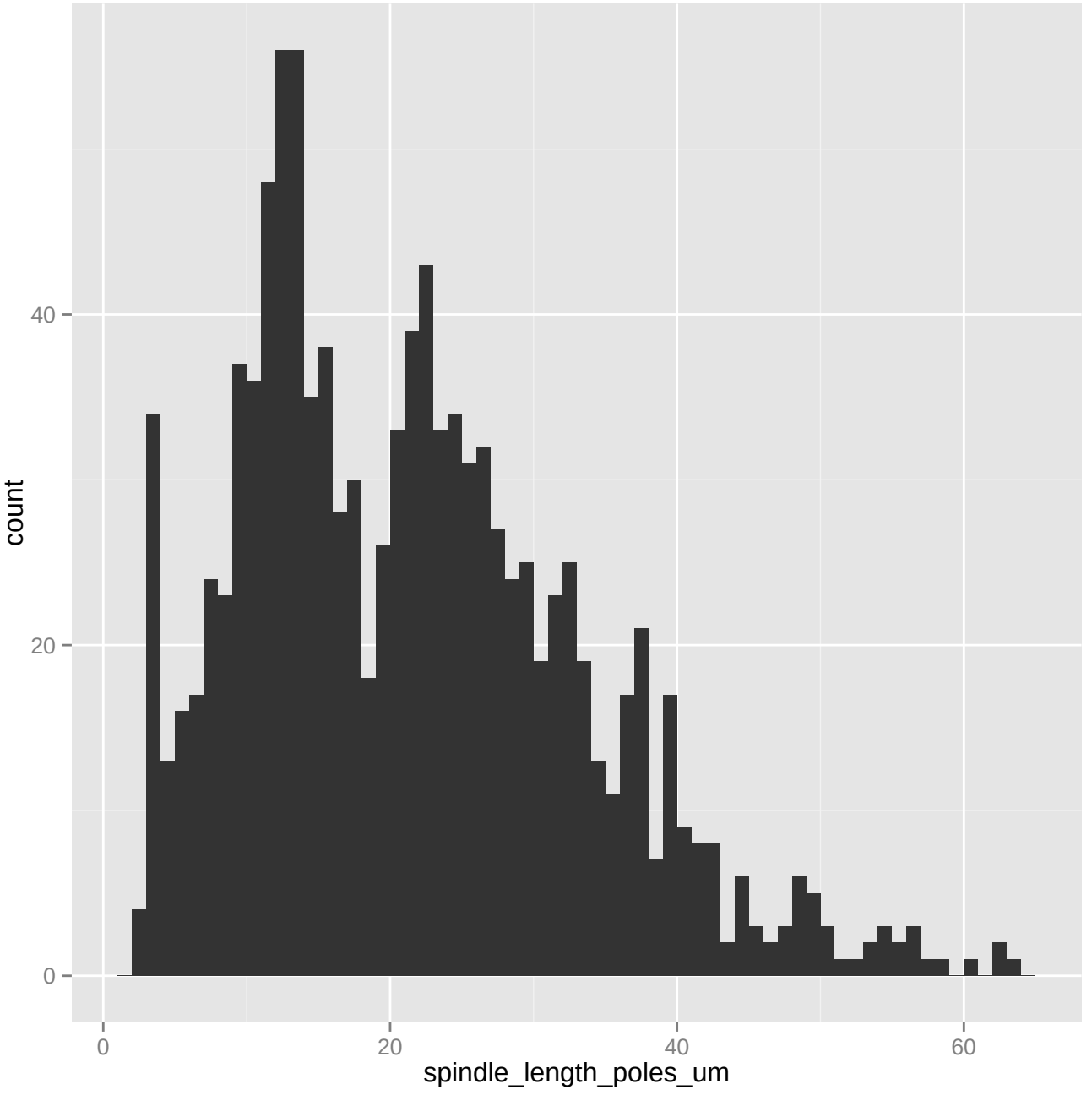

spindle_length_poles_um
200
150
100
50
0
0
500
1000
1500
cell_diameter_um
stage
a
m
p

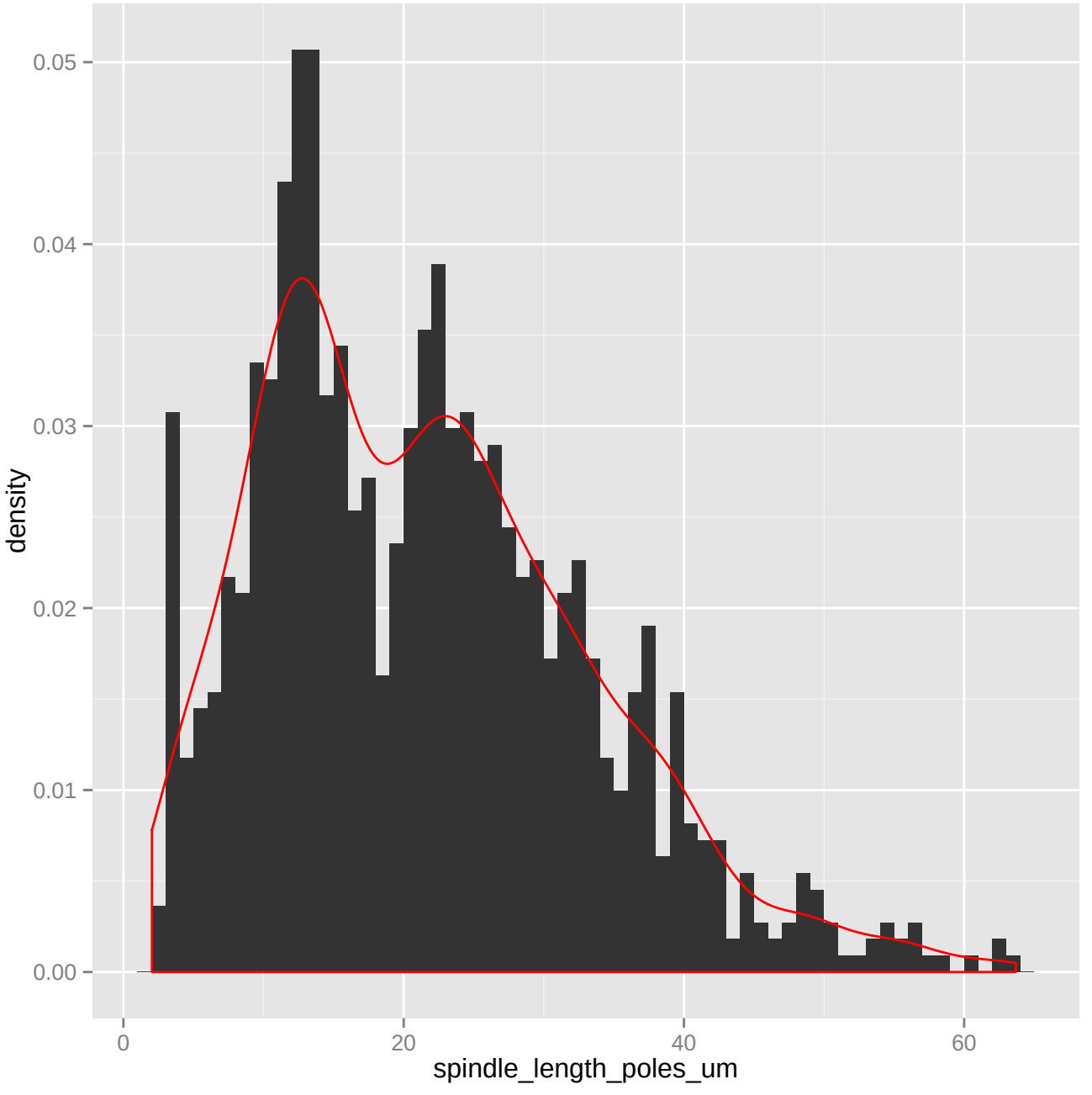

spindle_length_poles_um
200
150
100
50
0
−4
0
4
8
log2(cell_diameter_um)
stage
a
m
p

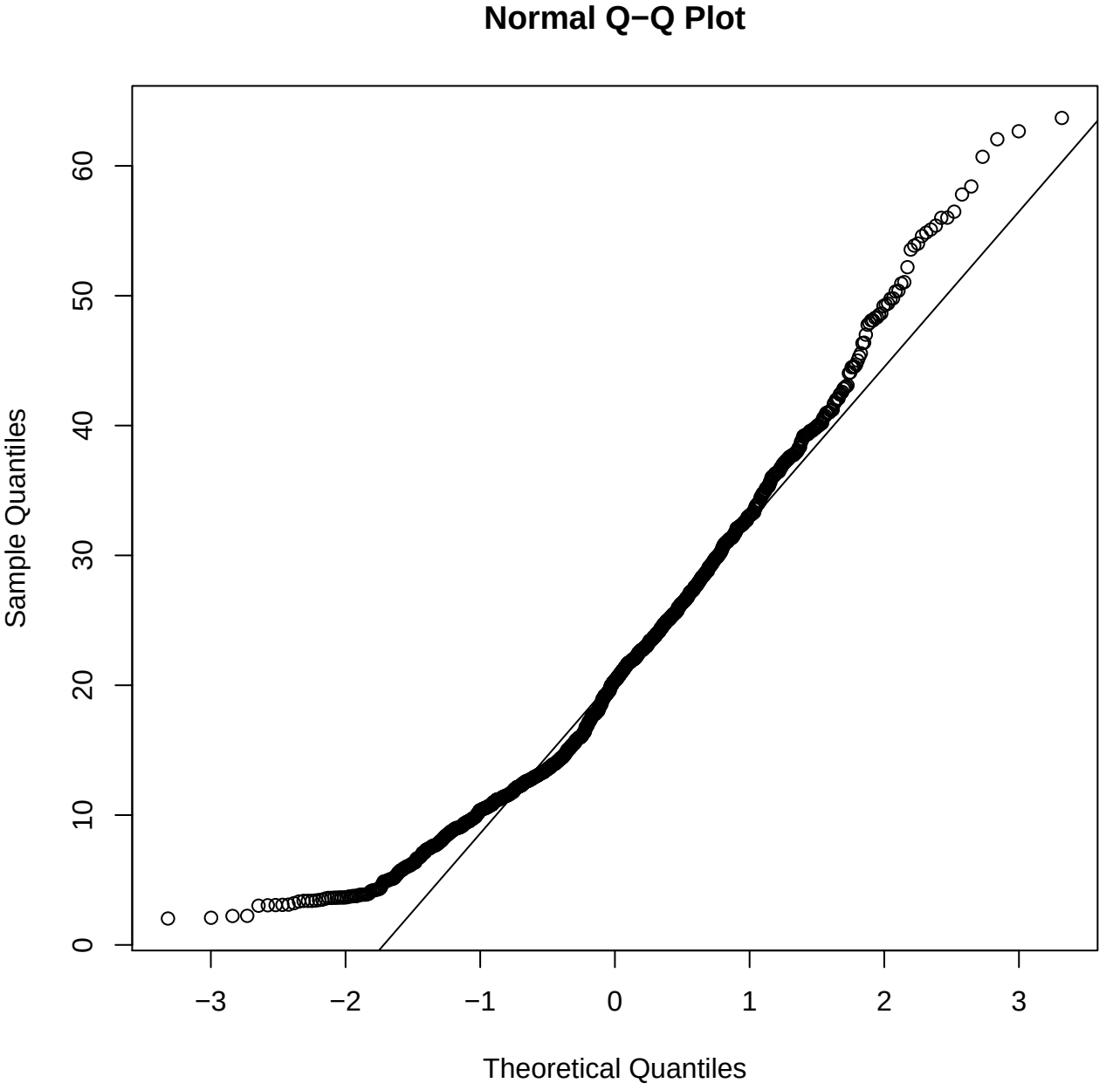

spindle_length_poles_um
200
150
100
50
0
0
500
1000
1500
cell_diameter_um
stage
a
m
p

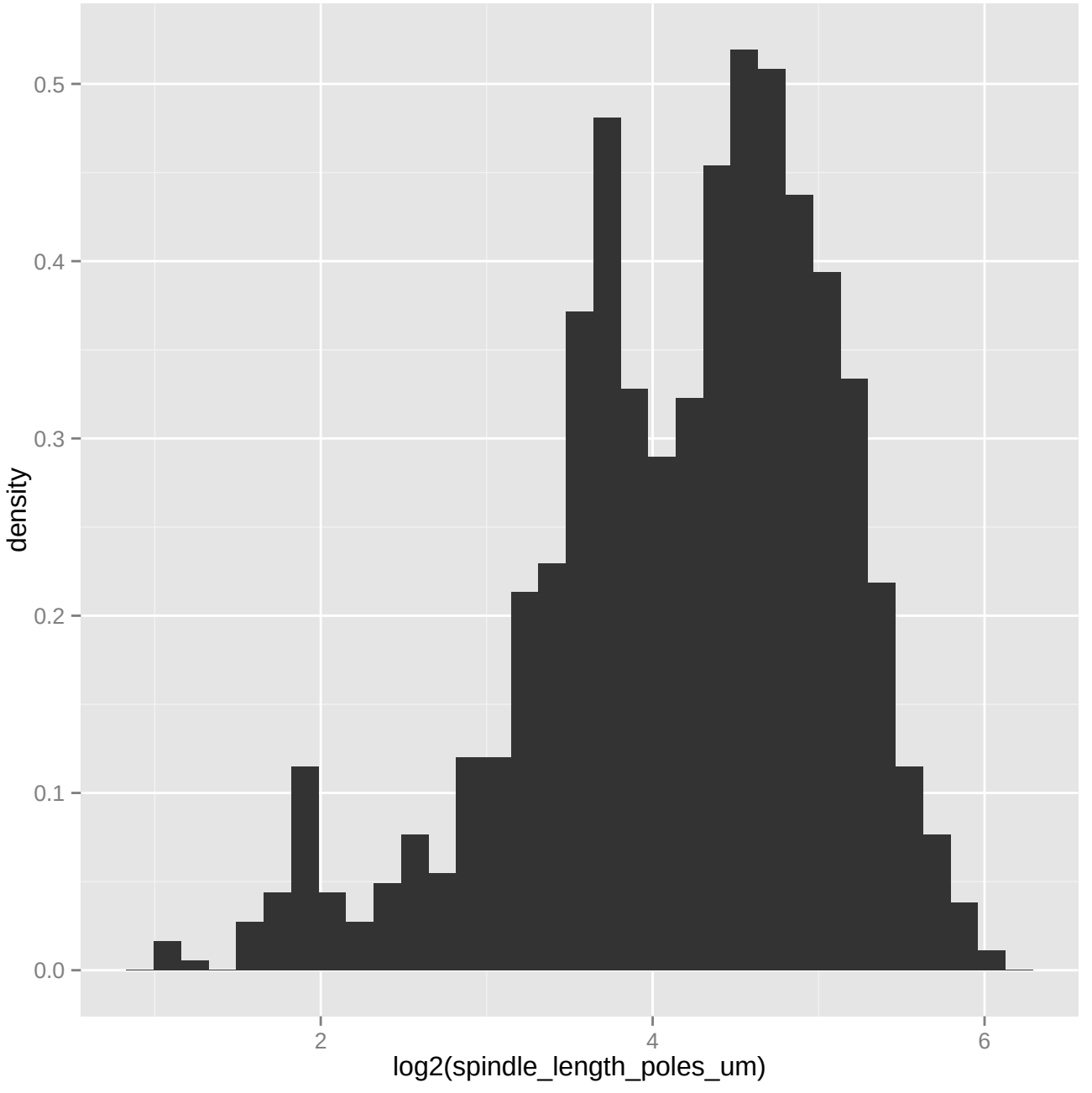

spindle_length_poles_um
60
40
20
0
2
4
6
8
10
log2(cell_diameter_um)
stage
m

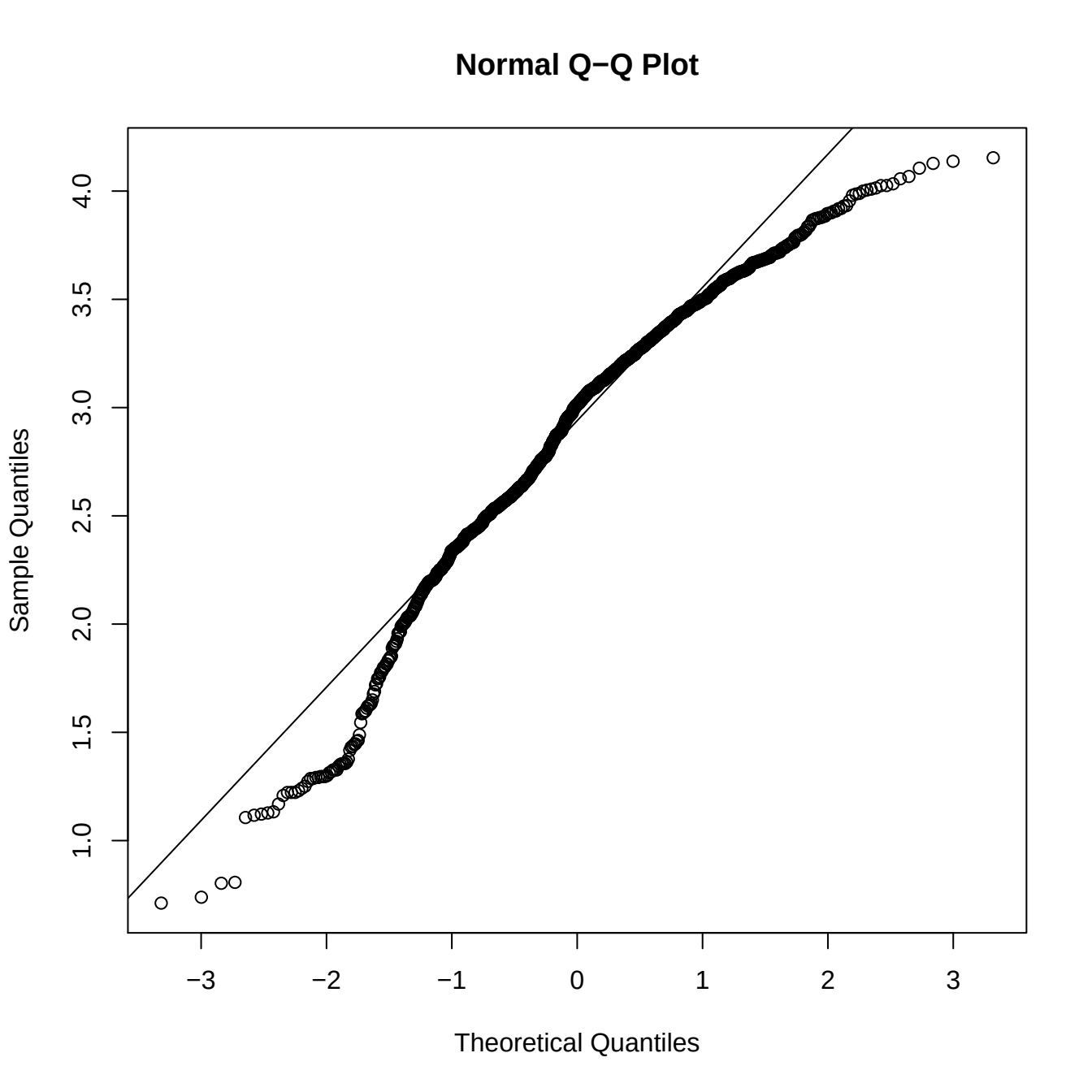

90
60
30
0
count
0
20
40
60
spindle_length_poles_um

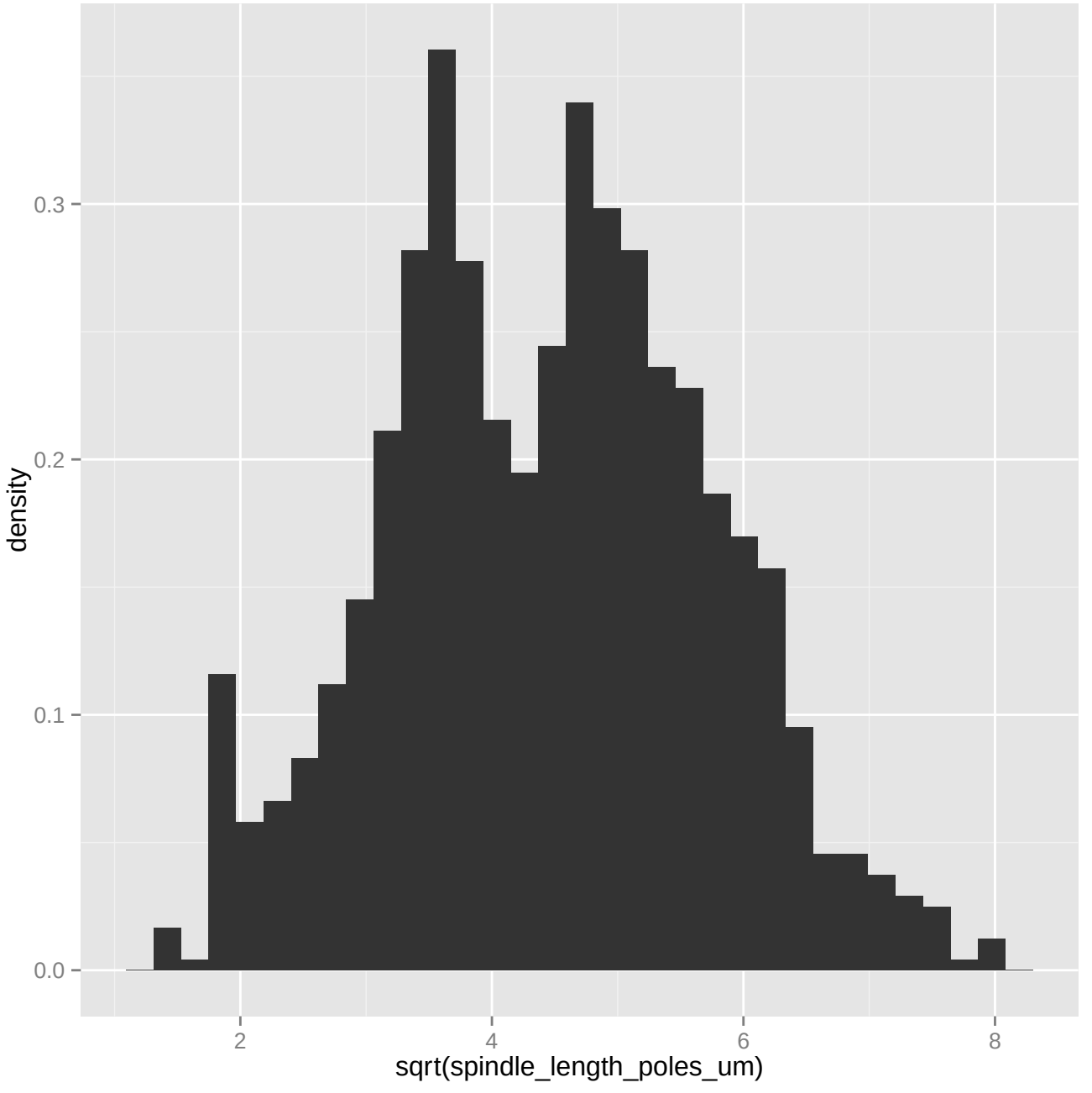

count
40
20
0
0
20
40
60
spindle_length_poles_um

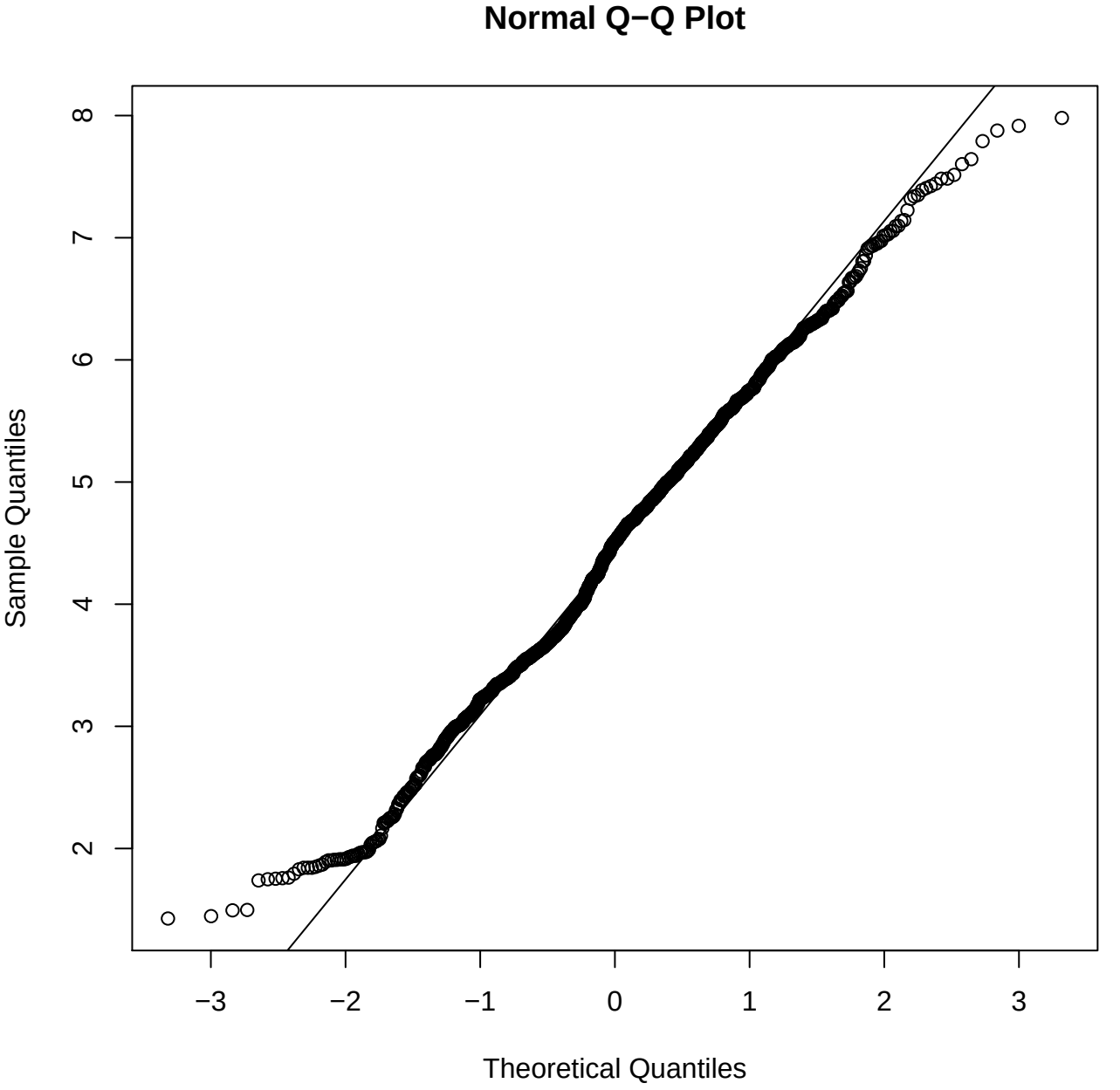

0.05
0.04
0.03
0.02
0.01
0.00
density
0
20
40
60
spindle_length_poles_um

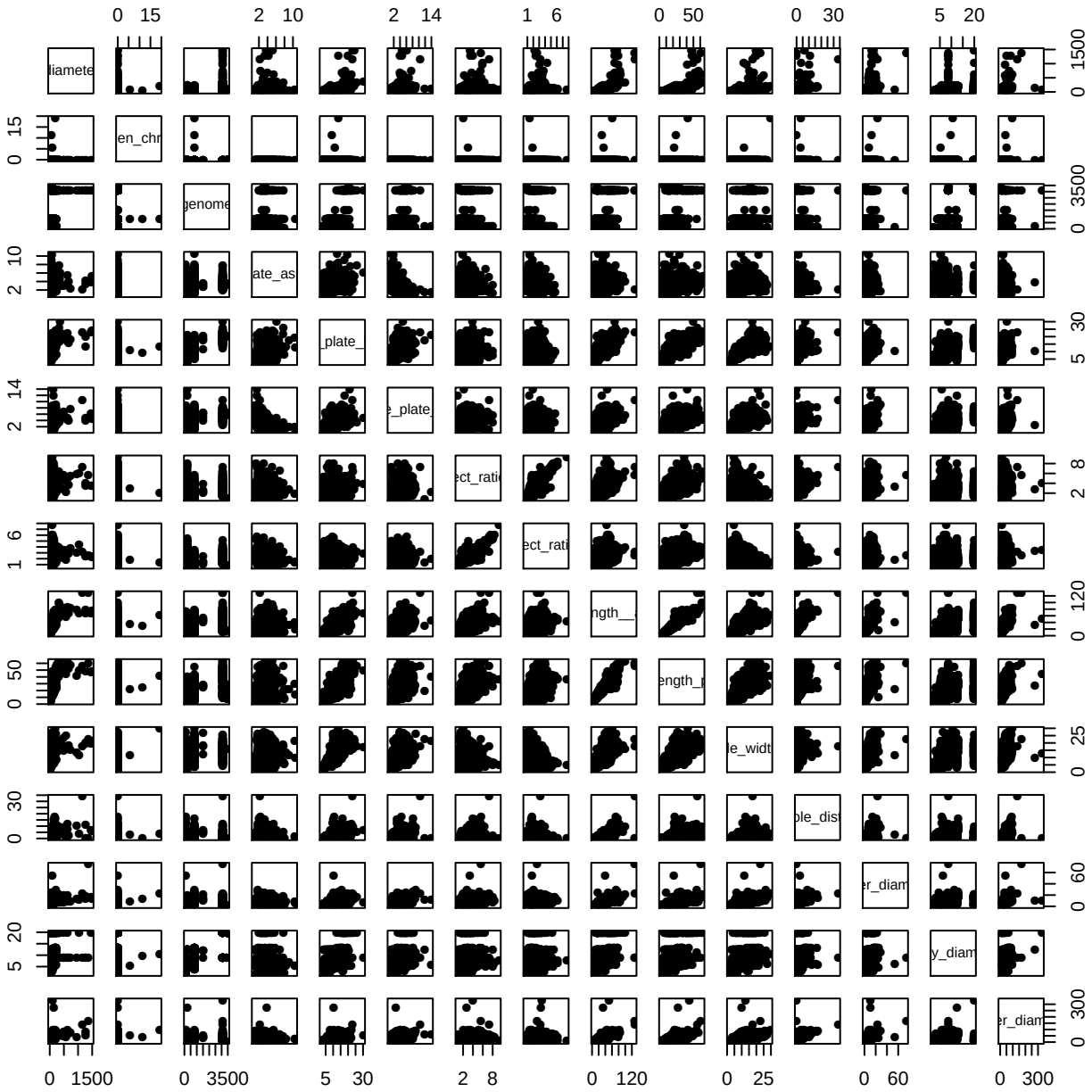

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
0
10
20
30
40
50
60
−3
−2
−1
0
1
2
3

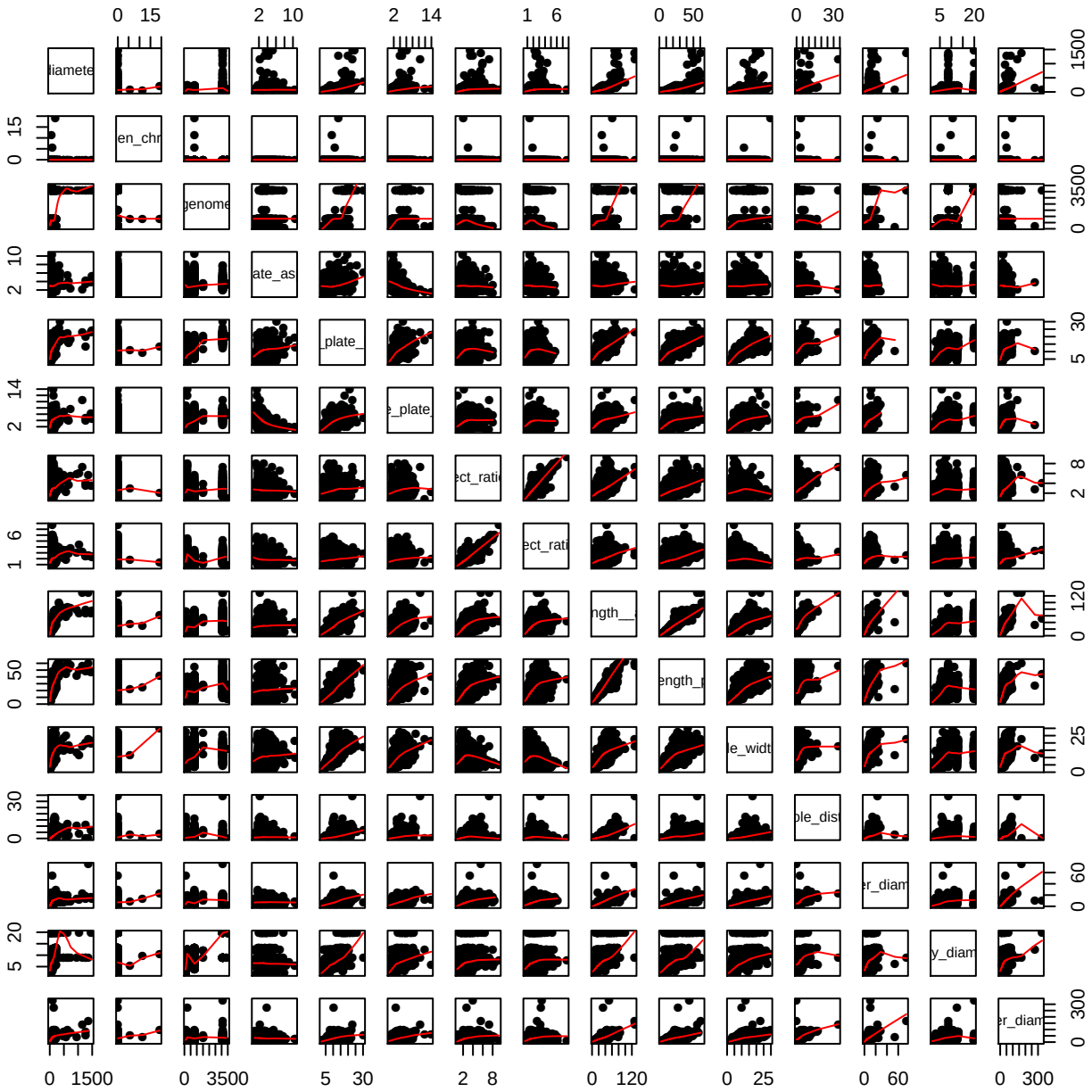

density
0.5
0.4
0.3
0.2
0.1
0.0
2
4
6
log2(spindle_length_poles_um)

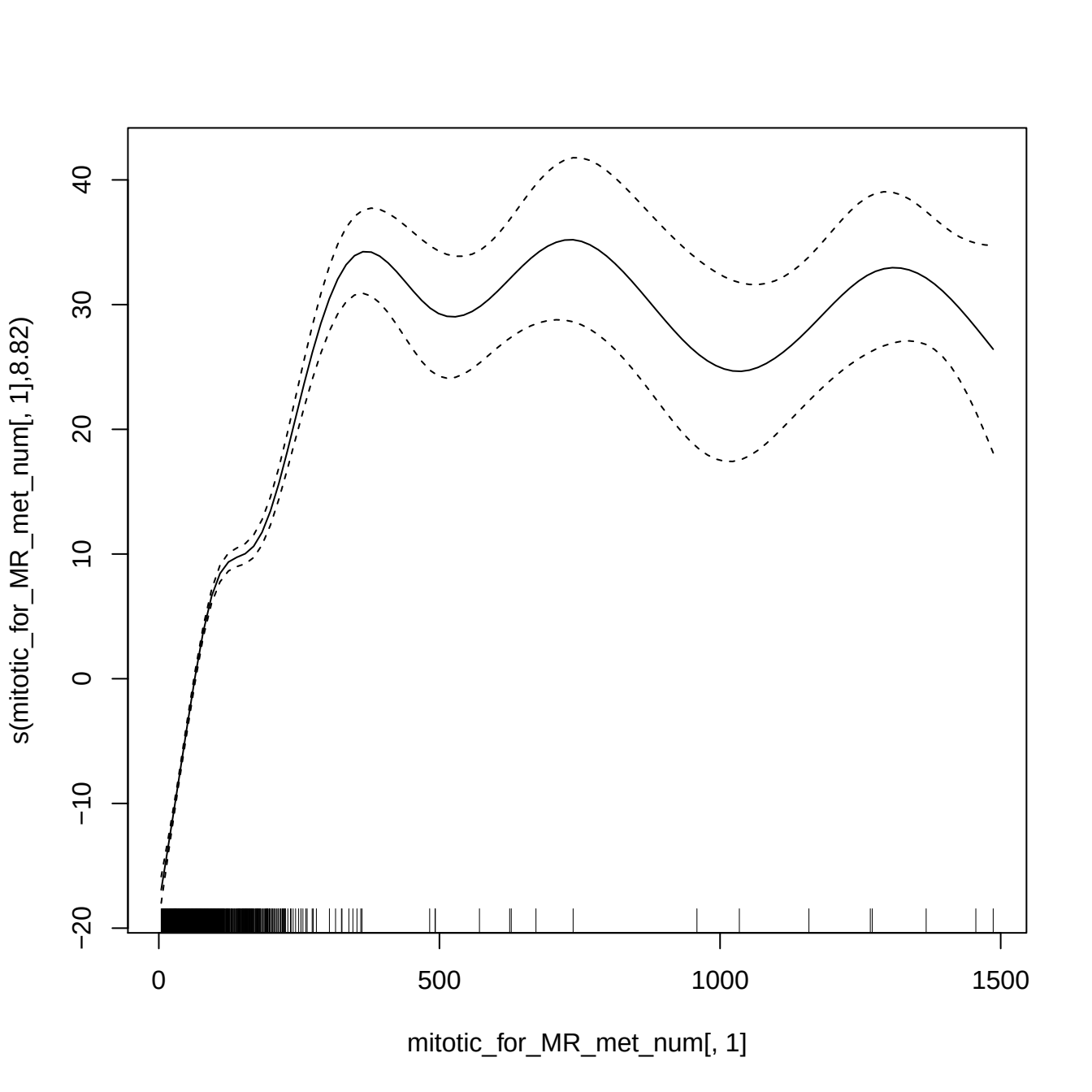

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
1.0
1.5
2.0
2.5
3.0
3.5
4.0
−3
−2
−1
0
1
2
3

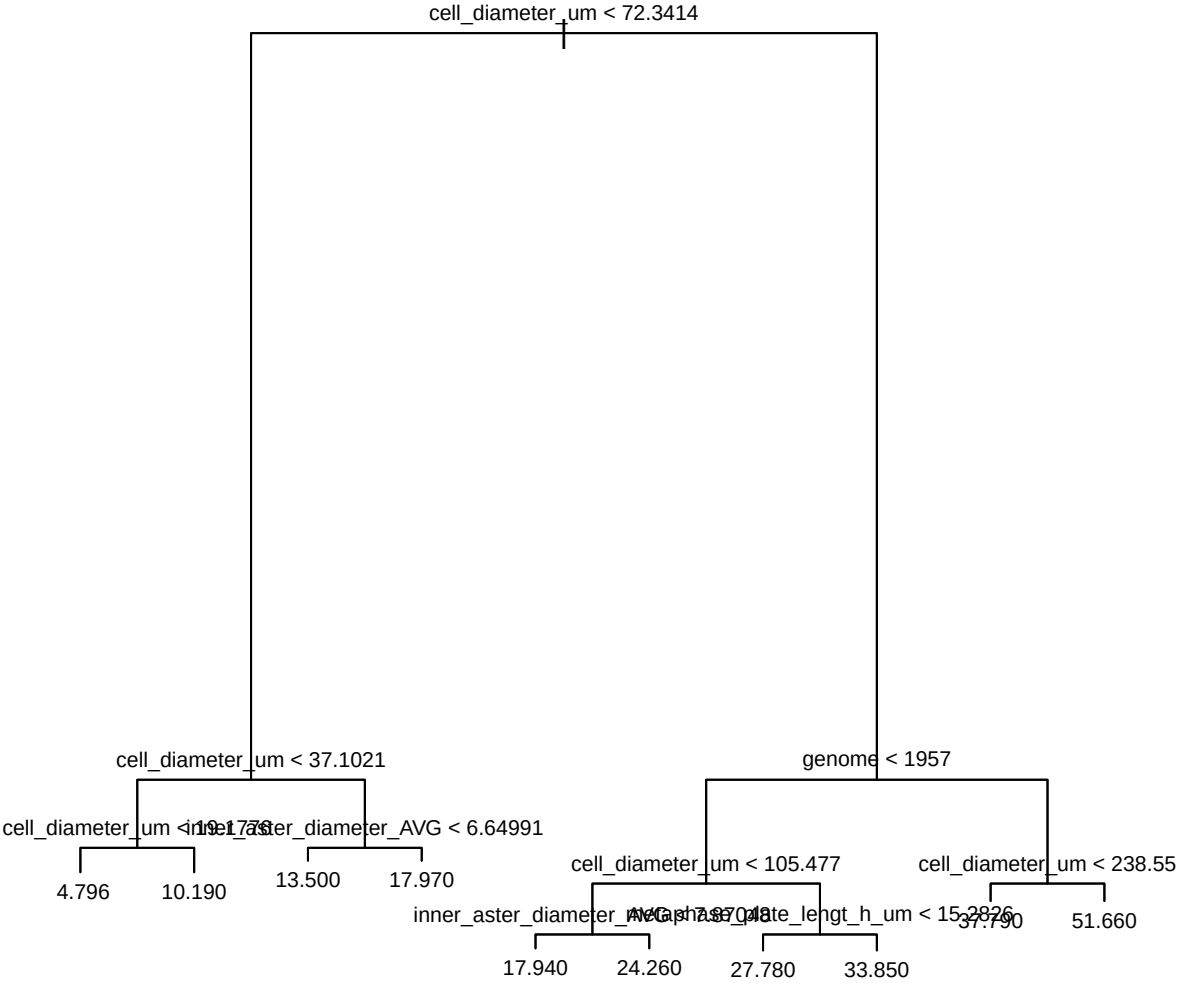

density
0.3
0.2
0.1
0.0
2
4
6
8
sqrt(spindle_length_poles_um)


Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
2
3
4
5
6
7
8
−3
−2
−1
0
1
2
3


diamete
en_chr
genome
ate_as
plate
e_plate
ect_rati
ect_rati
ngth__
ength_l
le_widt
ble_dis
er_diam
y_diam
er_diam


0 15
2 10
2 14
1 6
0 50
0 30
5 20
0 1500
0 3500
5 30
2 8
0 120
0 25
0 60
0 300


s(mitotic_for_MR_met_num[, 1],8.82)
40
30
20
10
0
−10
−20
0
500
1000
1500
mitotic_for_MR_met_num[, 1]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10.190
13.500
17.970
17.940
24.260
27.780
33.850
37.790
51.660