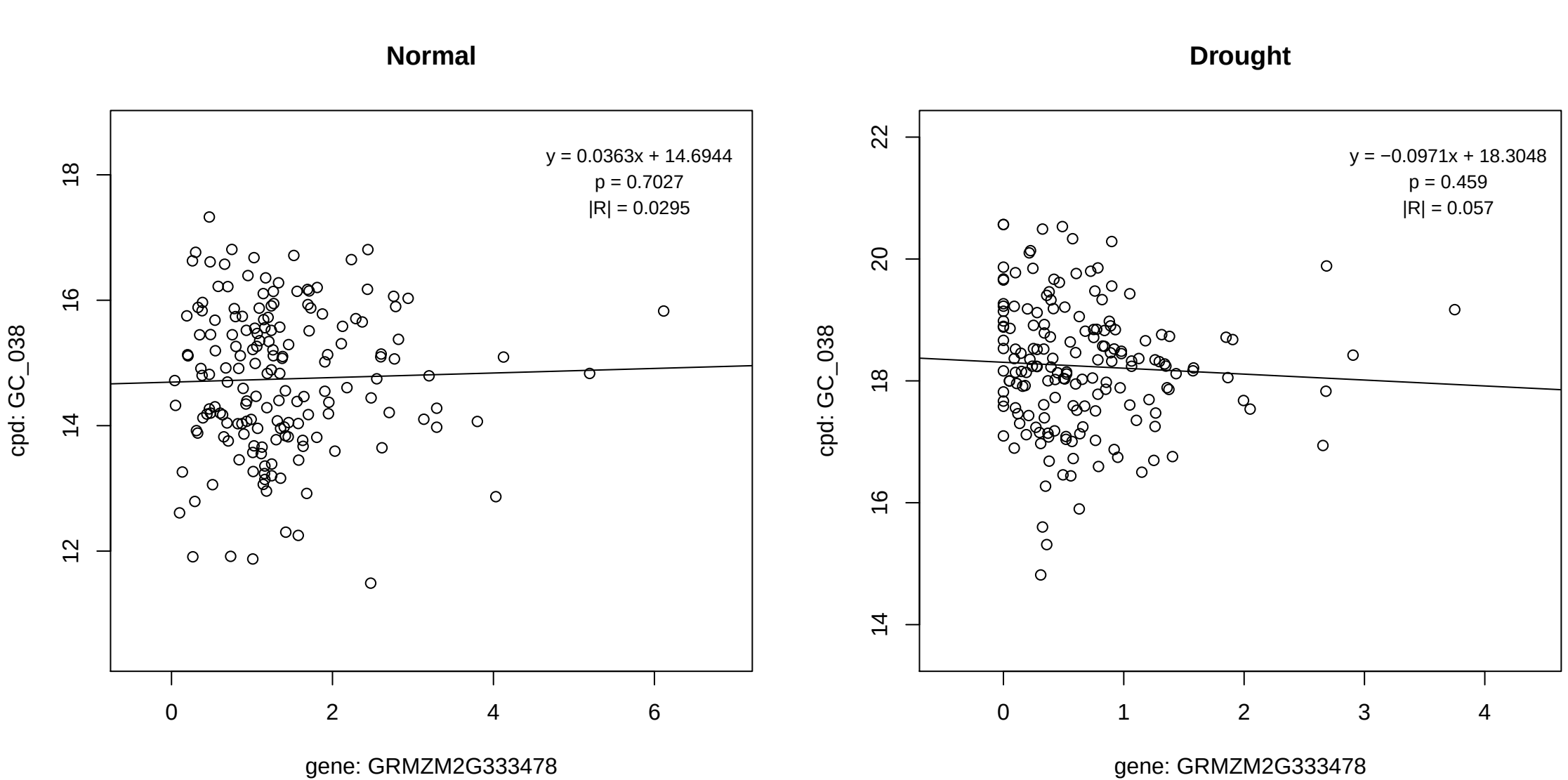
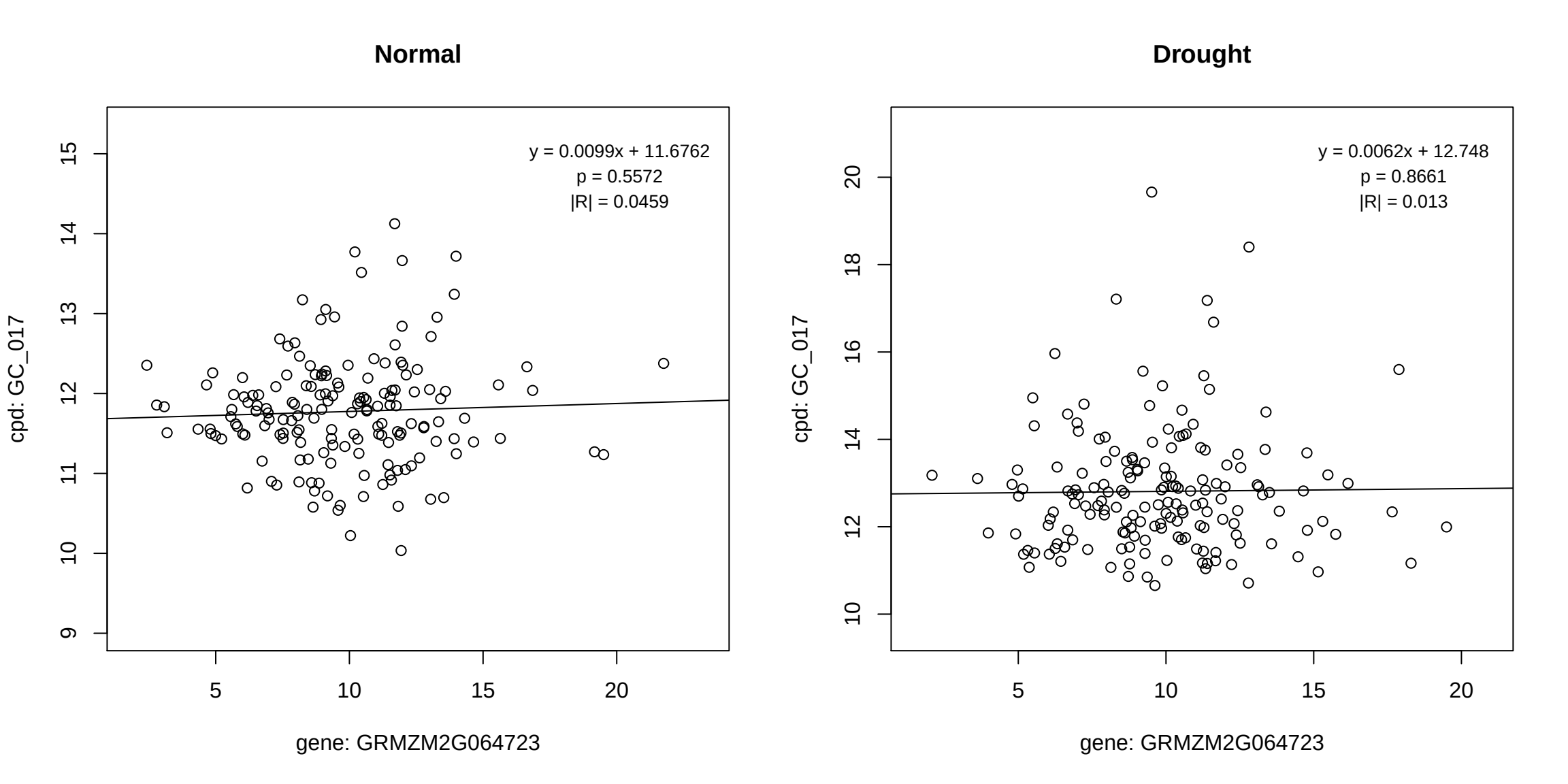
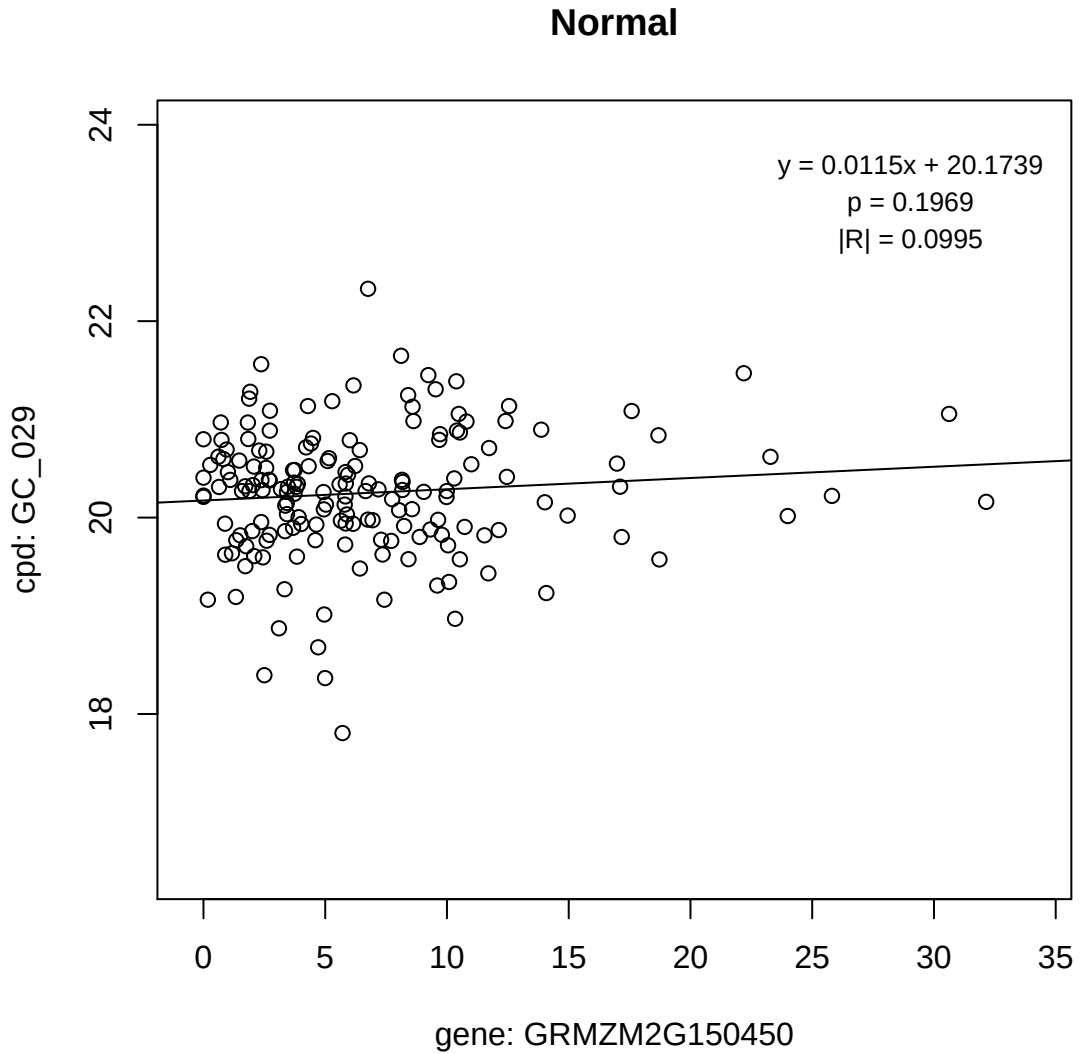
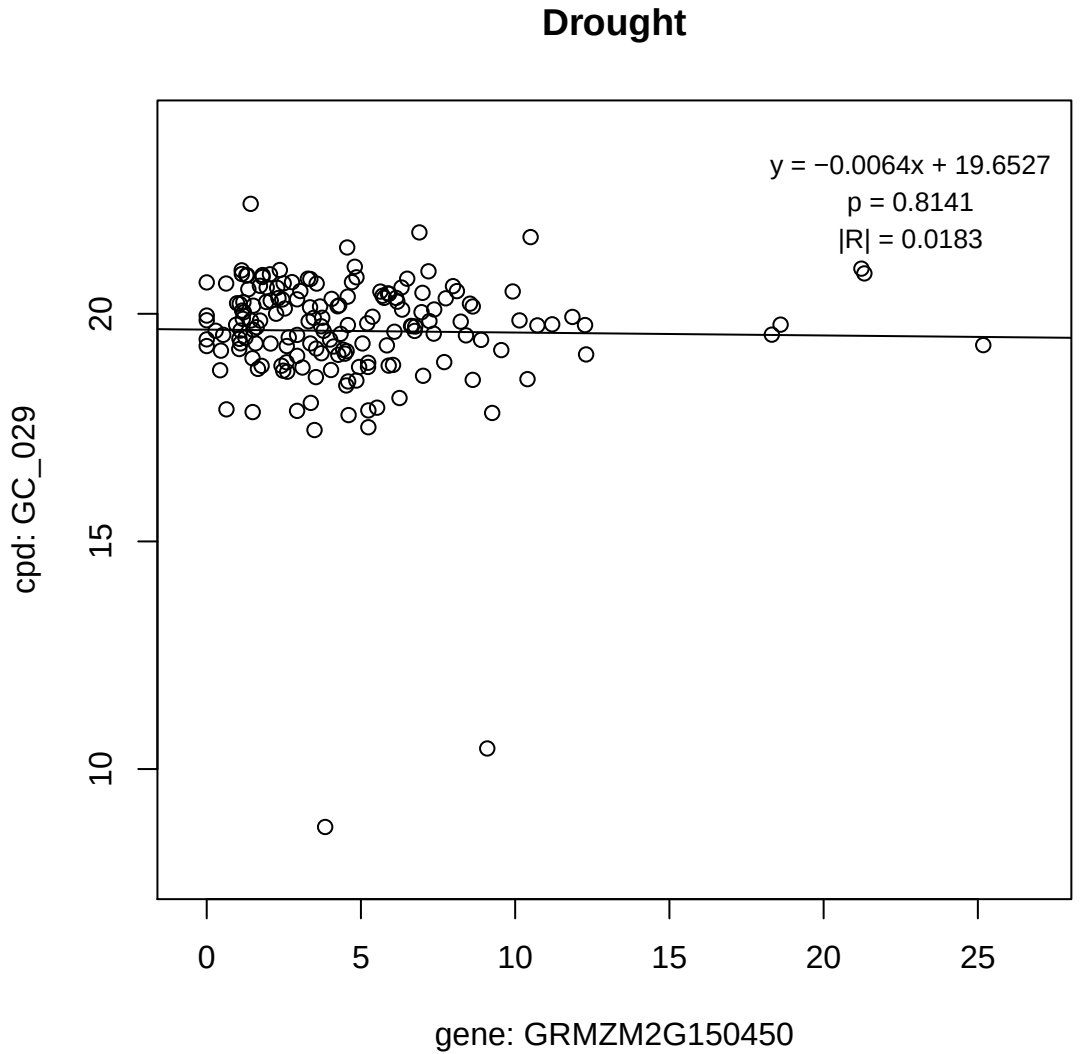
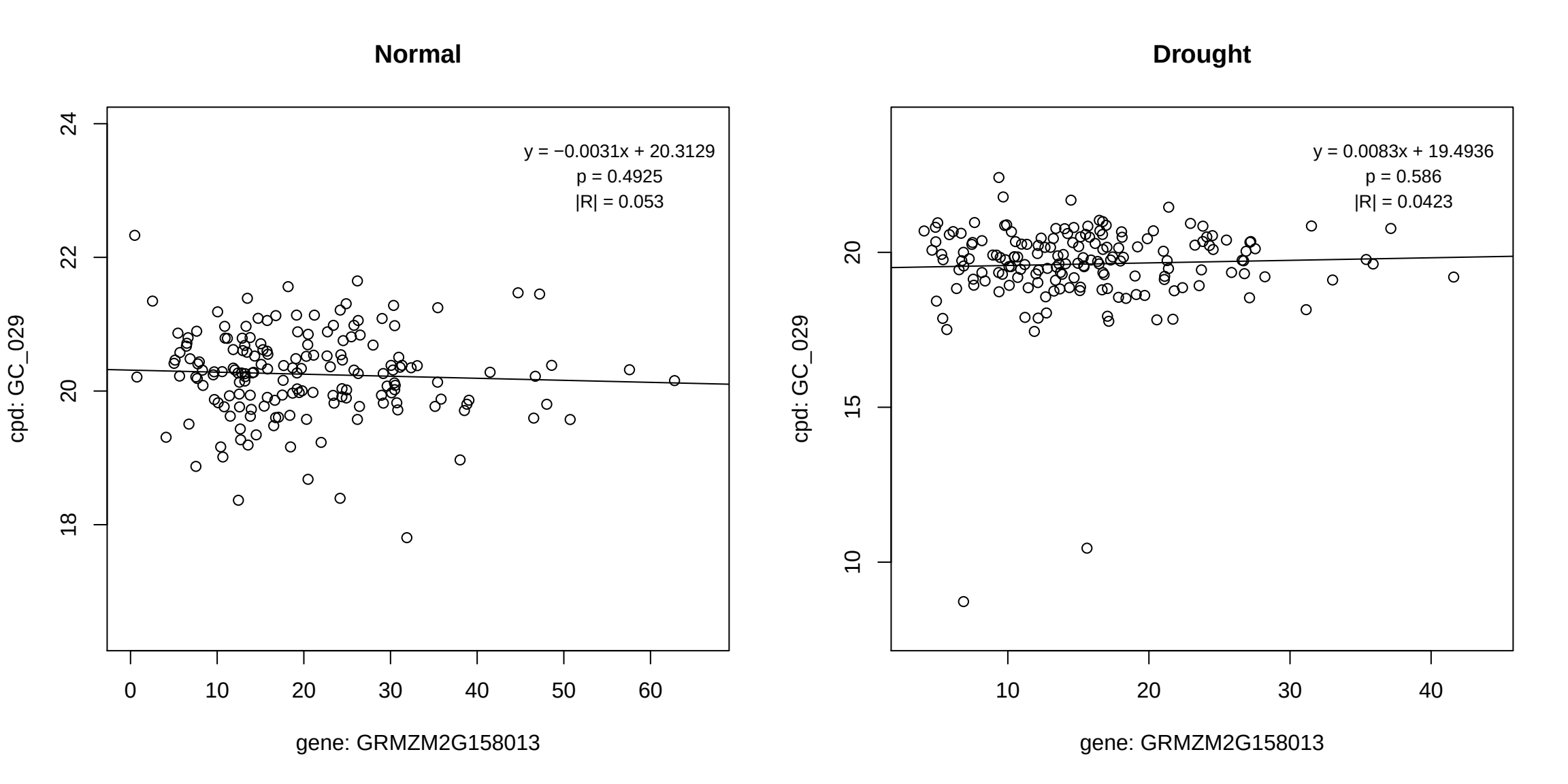
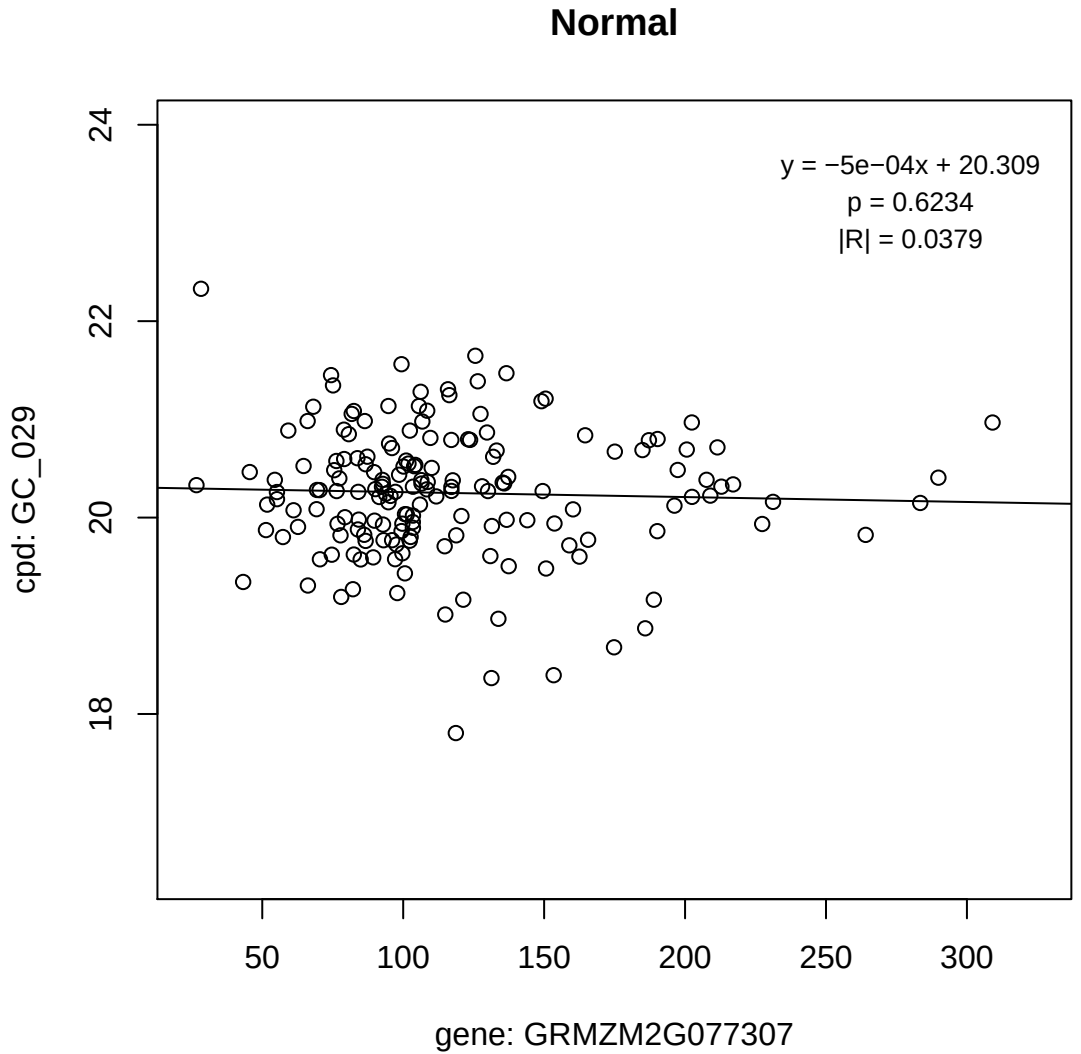

Normal
y = 0.0363x + 14.6944
p = 0.7027
|R| = 0.0295
cpd: GC_038
gene: GRMZM2G333478
Drought
y = −0.0971x + 18.3048
p = 0.459
|R| = 0.057
cpd: GC_038
gene: GRMZM2G333478

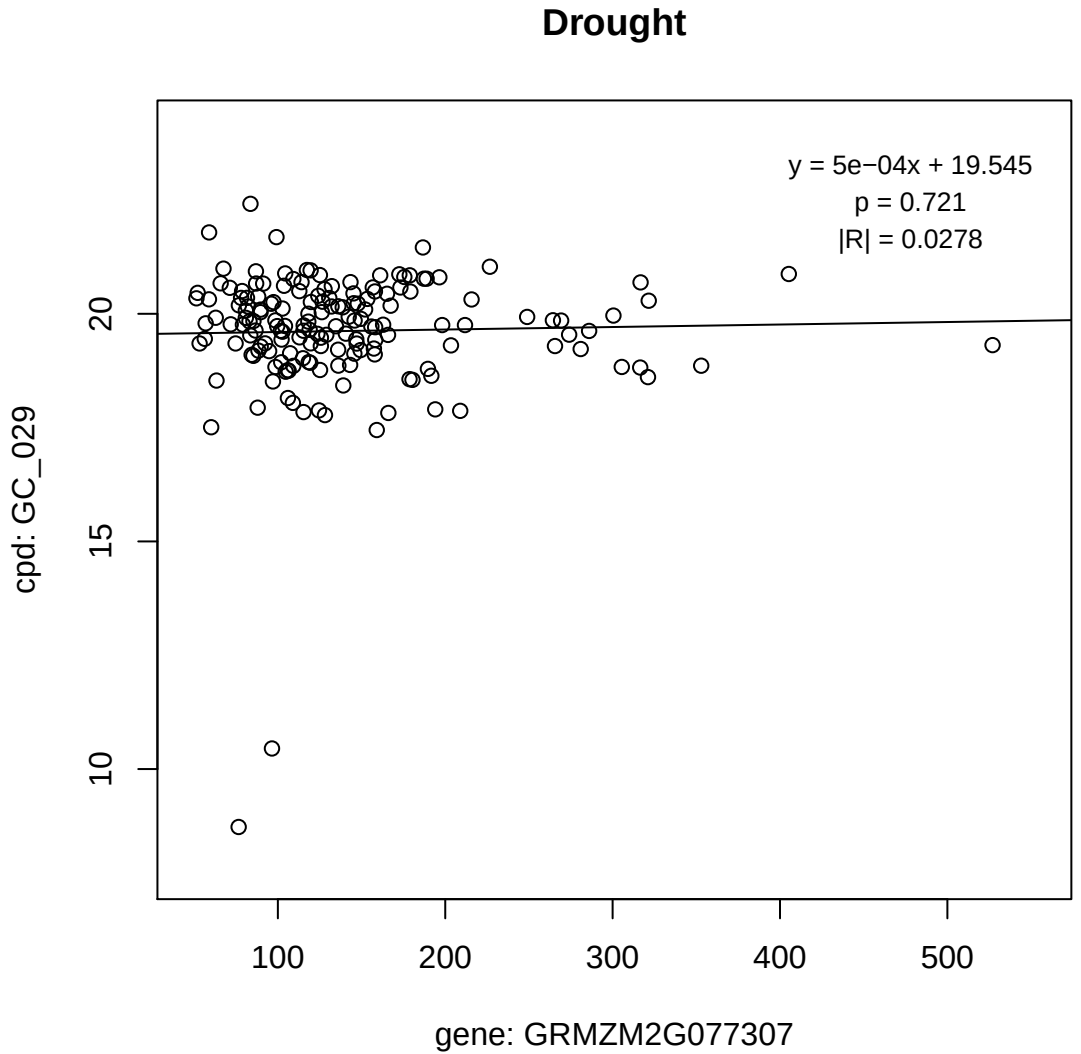

Normal
y = 0.0099x + 11.6762
p = 0.5572
|R| = 0.0459
cpd: GC_017
gene: GRMZM2G064723
Drought
y = 0.0062x + 12.748
p = 0.8661
|R| = 0.013
cpd: GC_017
gene: GRMZM2G064723

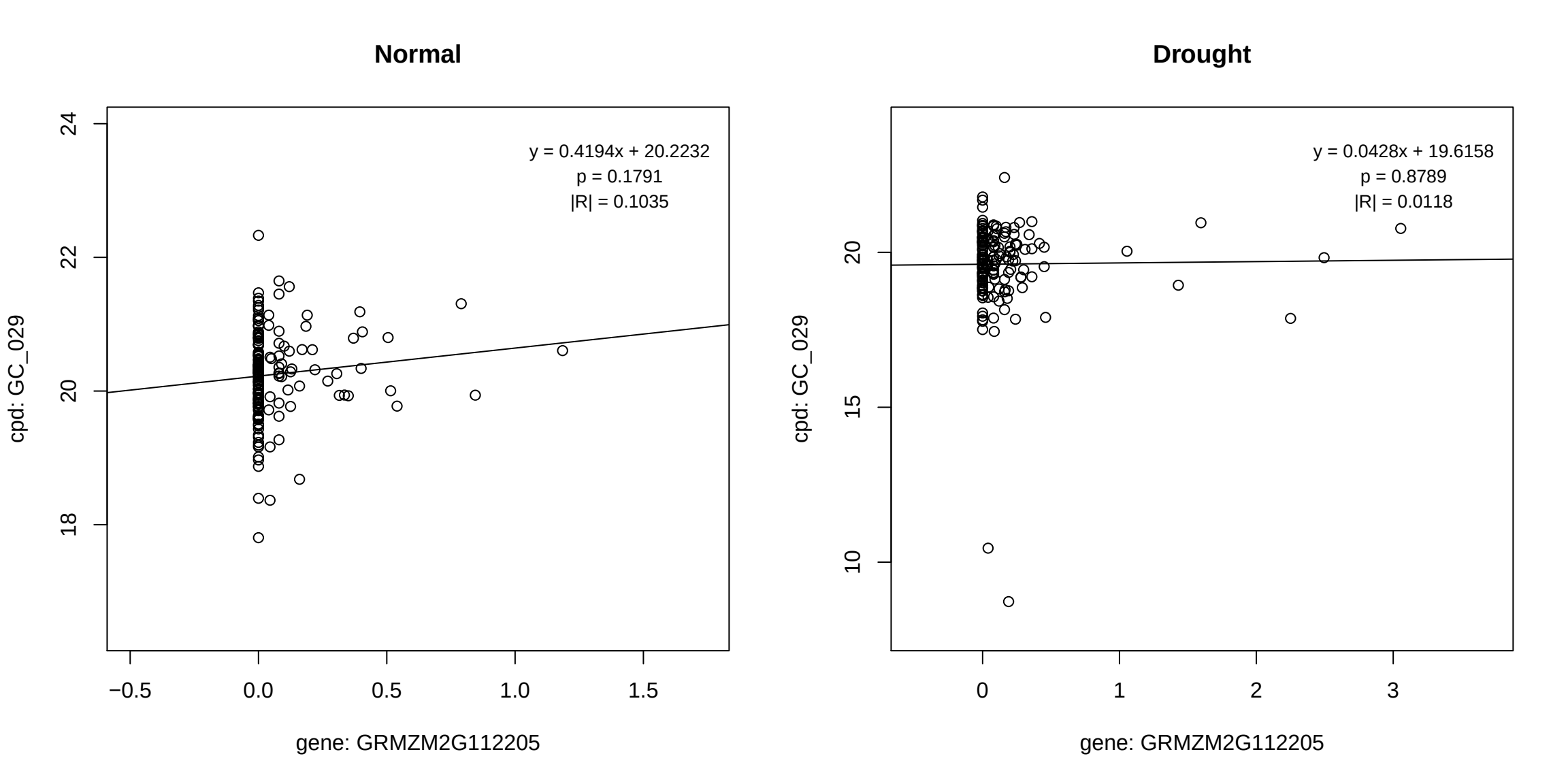

Normal
y = 0.0115x + 20.1739
p = 0.1969
|R| = 0.0995
cpd: GC_029
gene: GRMZM2G150450
18
20
22
24
0
5
10
15
20
25
30
35

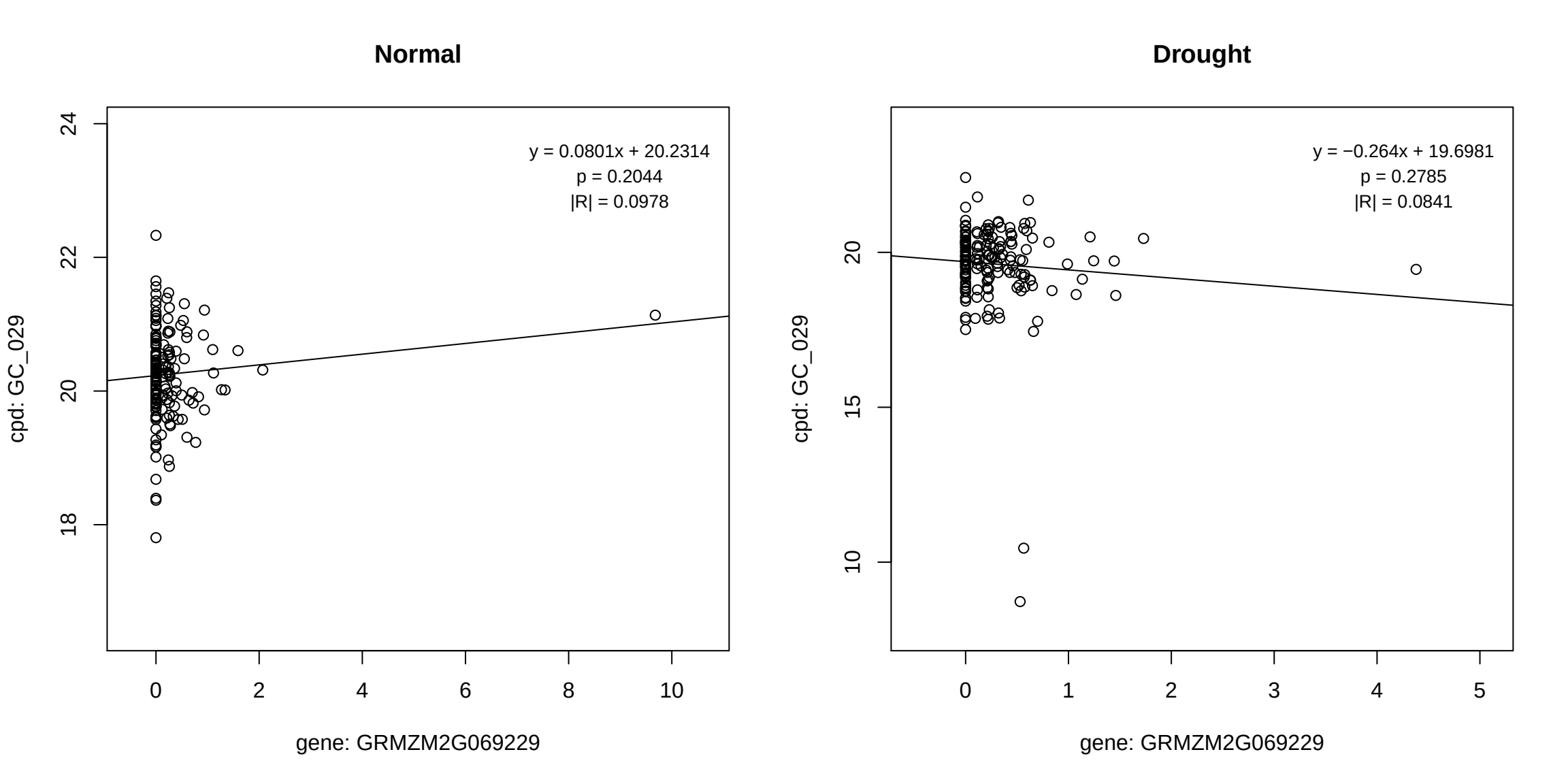

Drought
y = −0.0064x + 19.6527
p = 0.8141
|R| = 0.0183
cpd: GC_029
gene: GRMZM2G150450
10
15
20
0
5
10
15
20
25

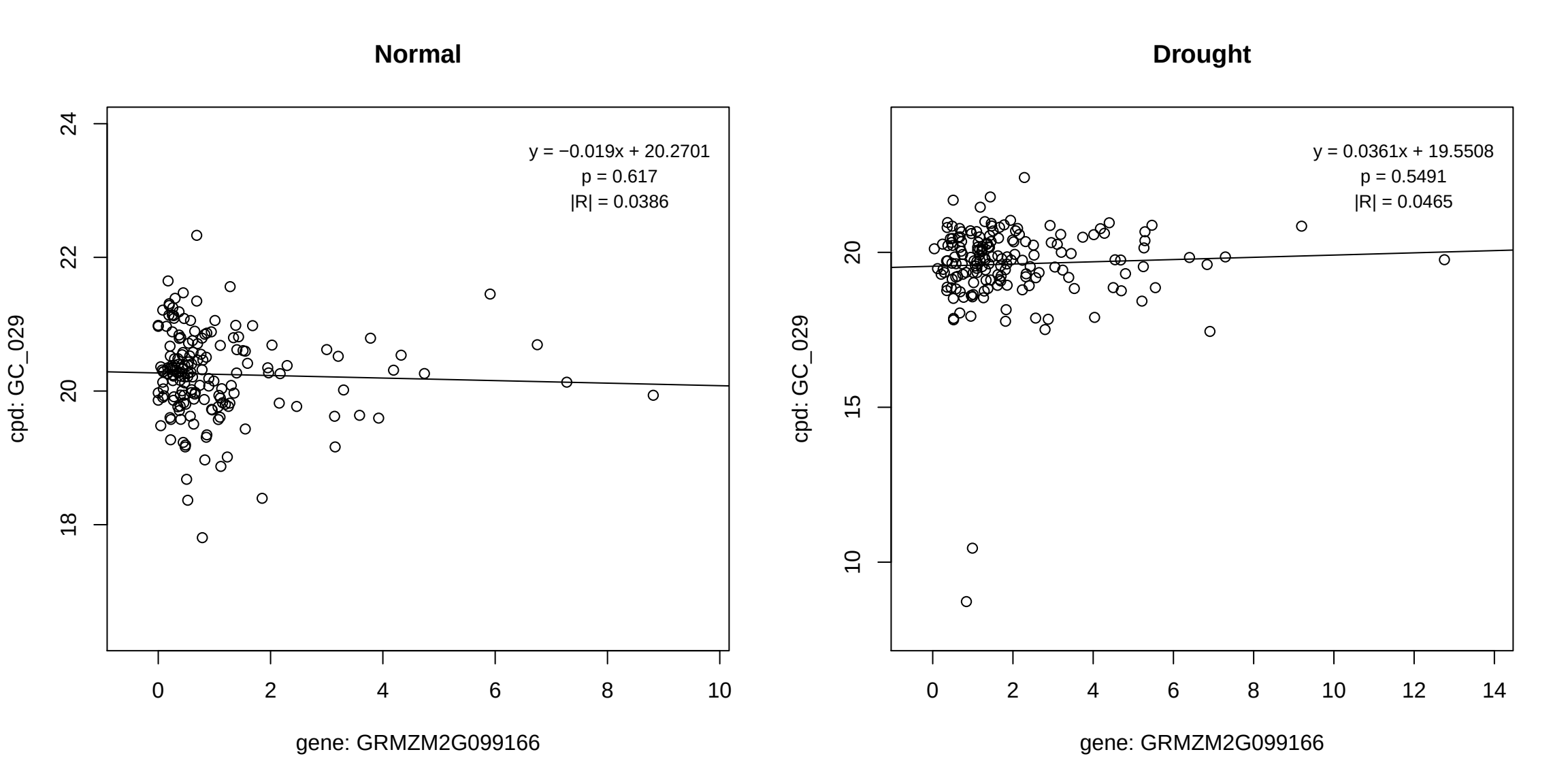

Normal
y = −0.0031x + 20.3129
p = 0.4925
|R| = 0.053
cpd: GC_029
gene: GRMZM2G158013
Drought
y = 0.0083x + 19.4936
p = 0.586
|R| = 0.0423
cpd: GC_029
gene: GRMZM2G158013

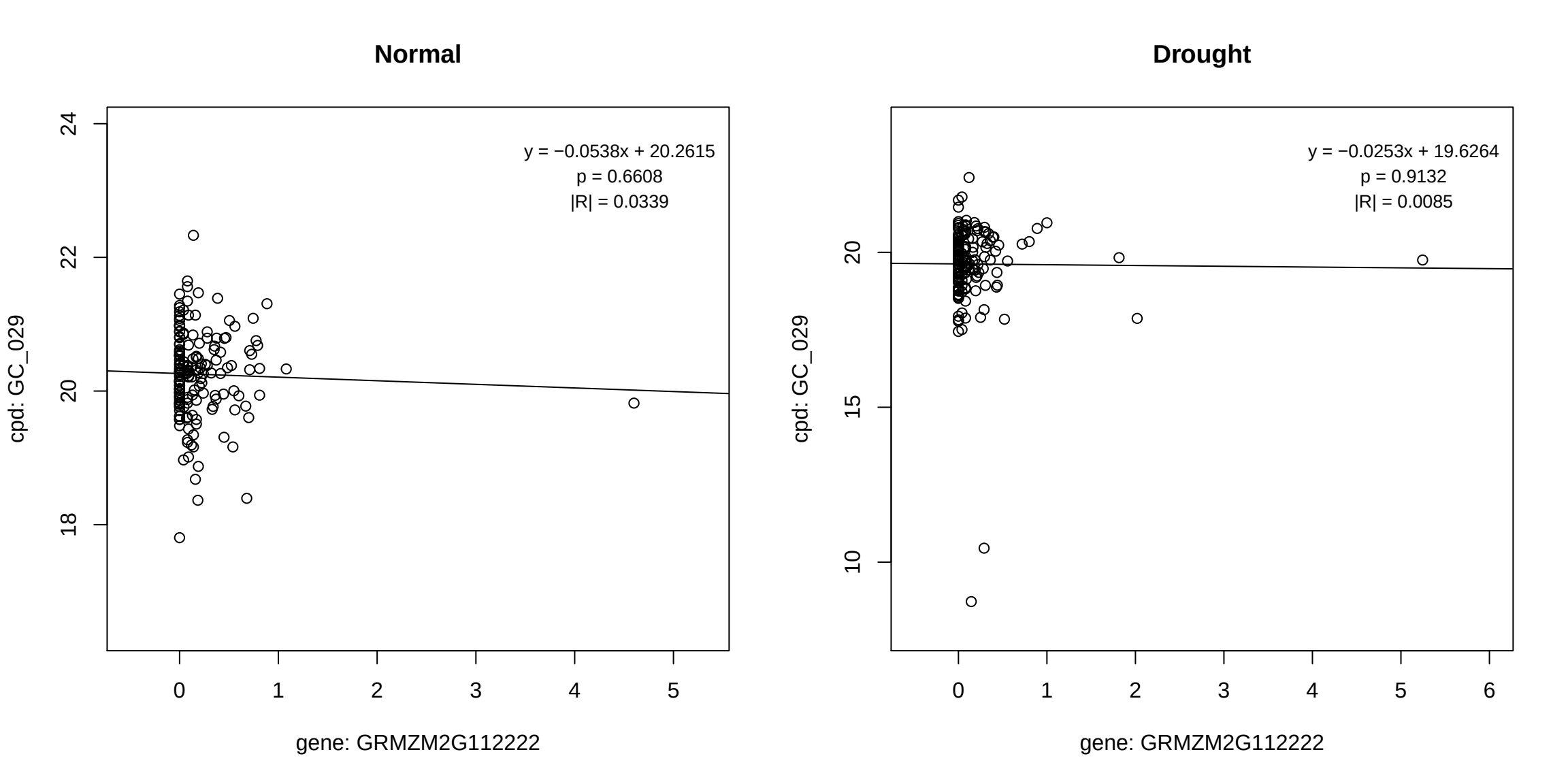

Normal
y = −5e−04x + 20.309
p = 0.6234
|R| = 0.0379
cpd: GC_029
gene: GRMZM2G077307
18
20
22
24
50
100
150
200
250
300

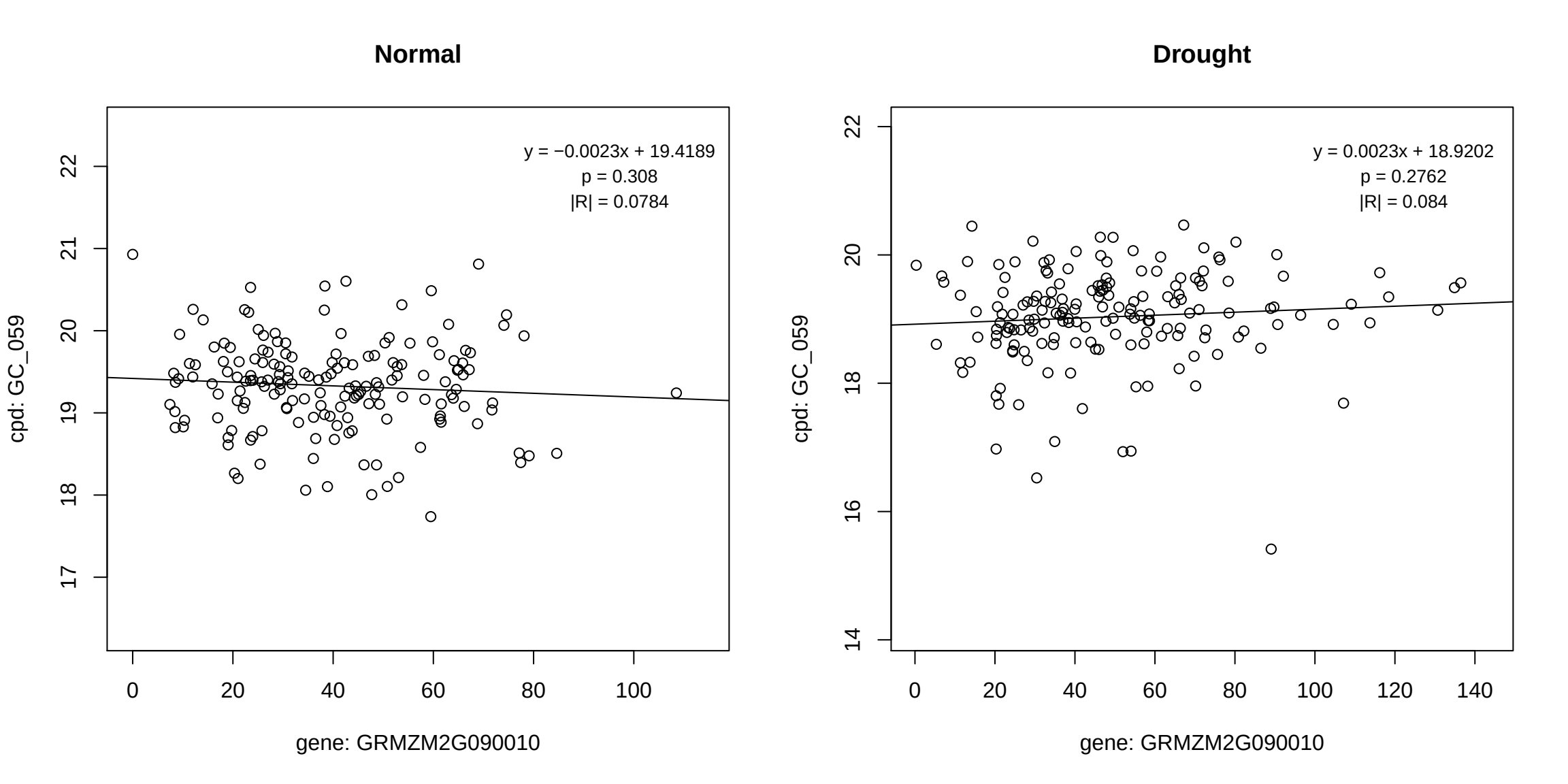

Drought
y = 5e−04x + 19.545
p = 0.721
|R| = 0.0278
cpd: GC_029
gene: GRMZM2G077307
10
15
20
100
200
300
400
500

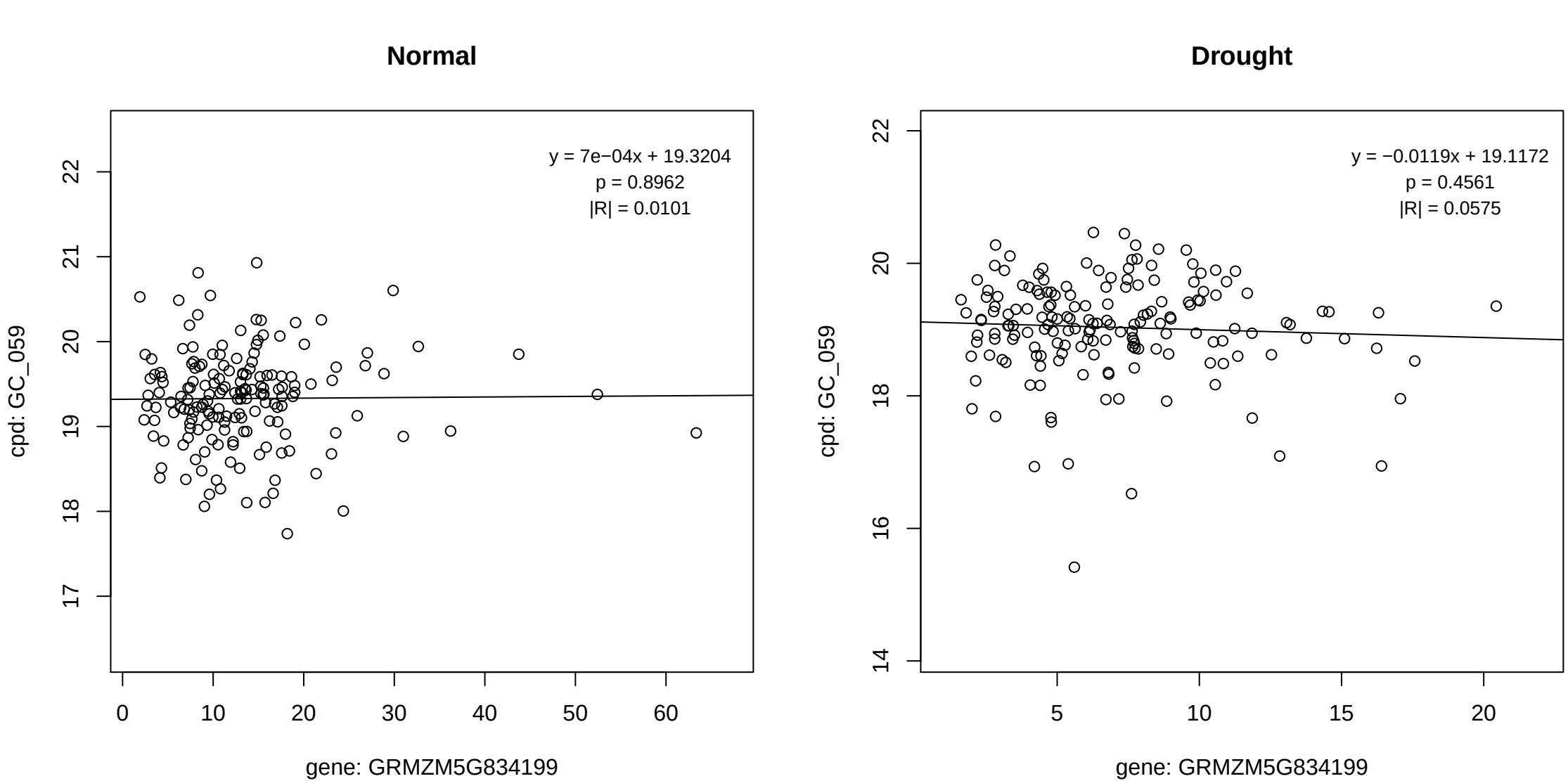

Normal
y = 0.4194x + 20.2232
p = 0.1791
|R| = 0.1035
cpd: GC_029
gene: GRMZM2G112205
Drought
y = 0.0428x + 19.6158
p = 0.8789
|R| = 0.0118
cpd: GC_029
gene: GRMZM2G112205

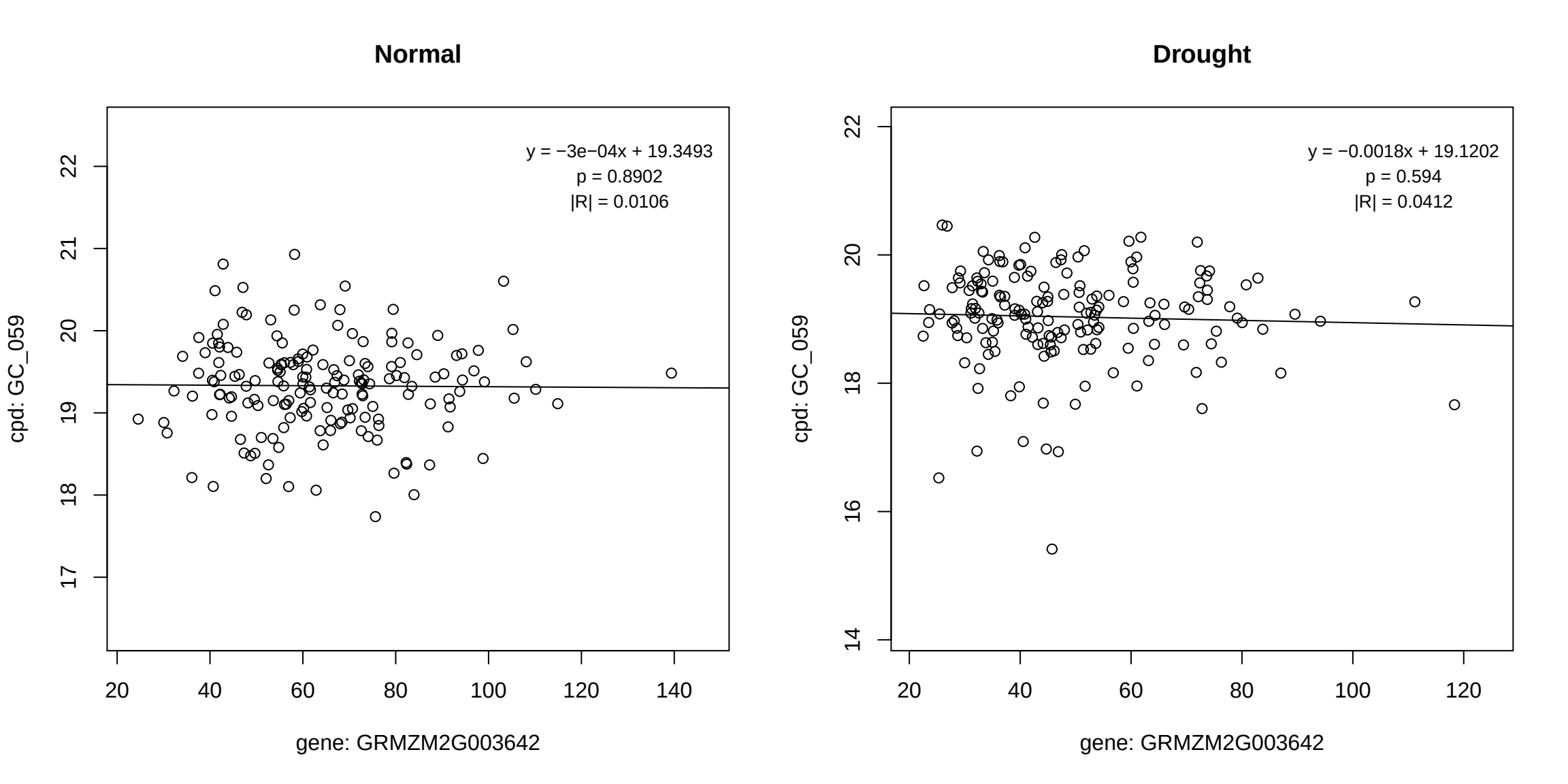

Normal
y = 0.0801x + 20.2314
p = 0.2044
|R| = 0.0978
cpd: GC_029
gene: GRMZM2G069229
Drought
y = −0.264x + 19.6981
p = 0.2785
|R| = 0.0841
cpd: GC_029
gene: GRMZM2G069229

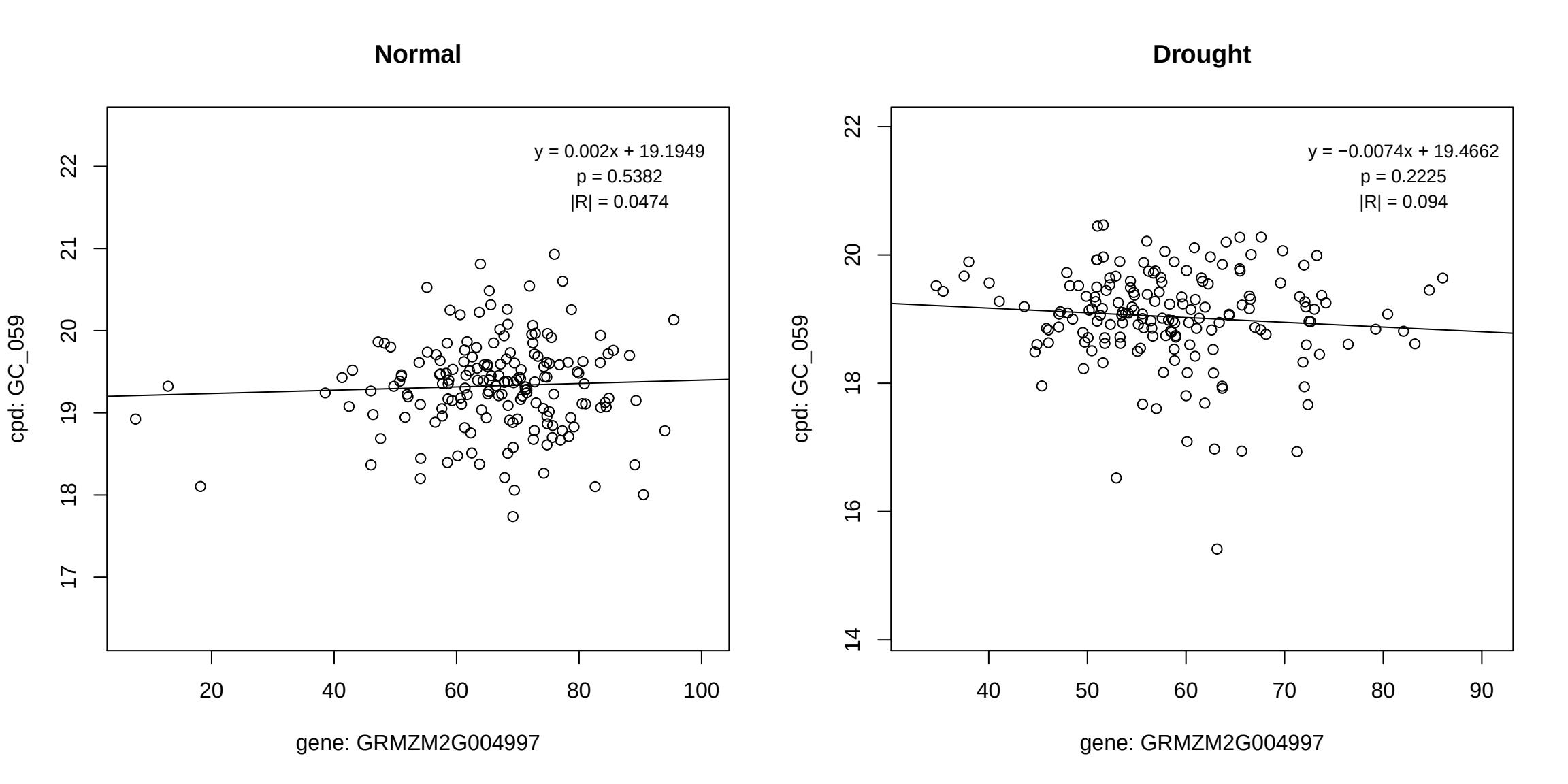

Normal
y = −0.019x + 20.2701
p = 0.617
|R| = 0.0386
cpd: GC_029
gene: GRMZM2G099166
Drought
y = 0.0361x + 19.5508
p = 0.5491
|R| = 0.0465
cpd: GC_029
gene: GRMZM2G099166

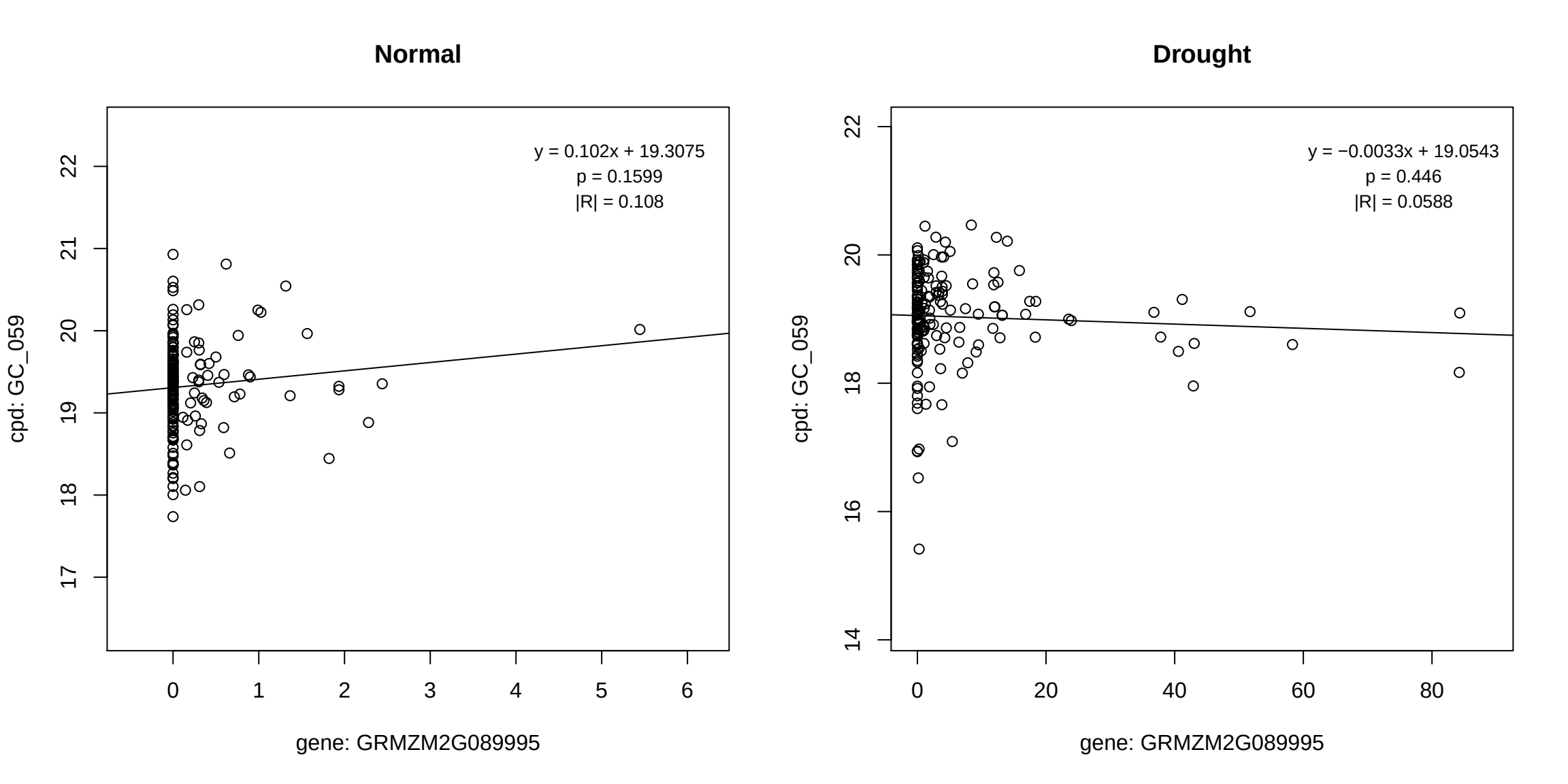

Normal
y = −0.0538x + 20.2615
p = 0.6608
|R| = 0.0339
cpd: GC_029
gene: GRMZM2G112222
Drought
y = −0.0253x + 19.6264
p = 0.9132
|R| = 0.0085
cpd: GC_029
gene: GRMZM2G112222

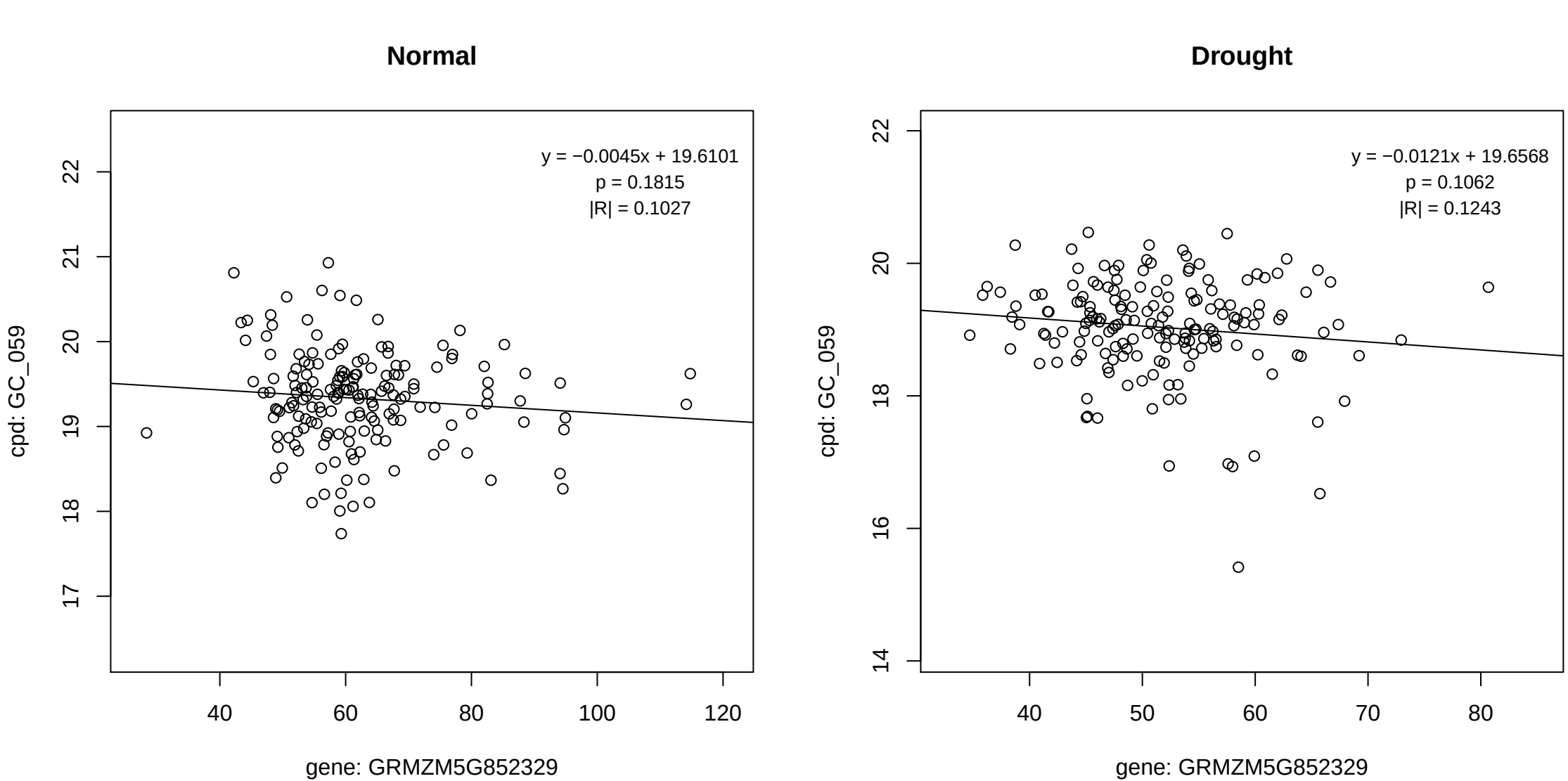

Normal
y = −0.0023x + 19.4189
p = 0.308
|R| = 0.0784
cpd: GC_059
gene: GRMZM2G090010
Drought
y = 0.0023x + 18.9202
p = 0.2762
|R| = 0.084
cpd: GC_059
gene: GRMZM2G090010

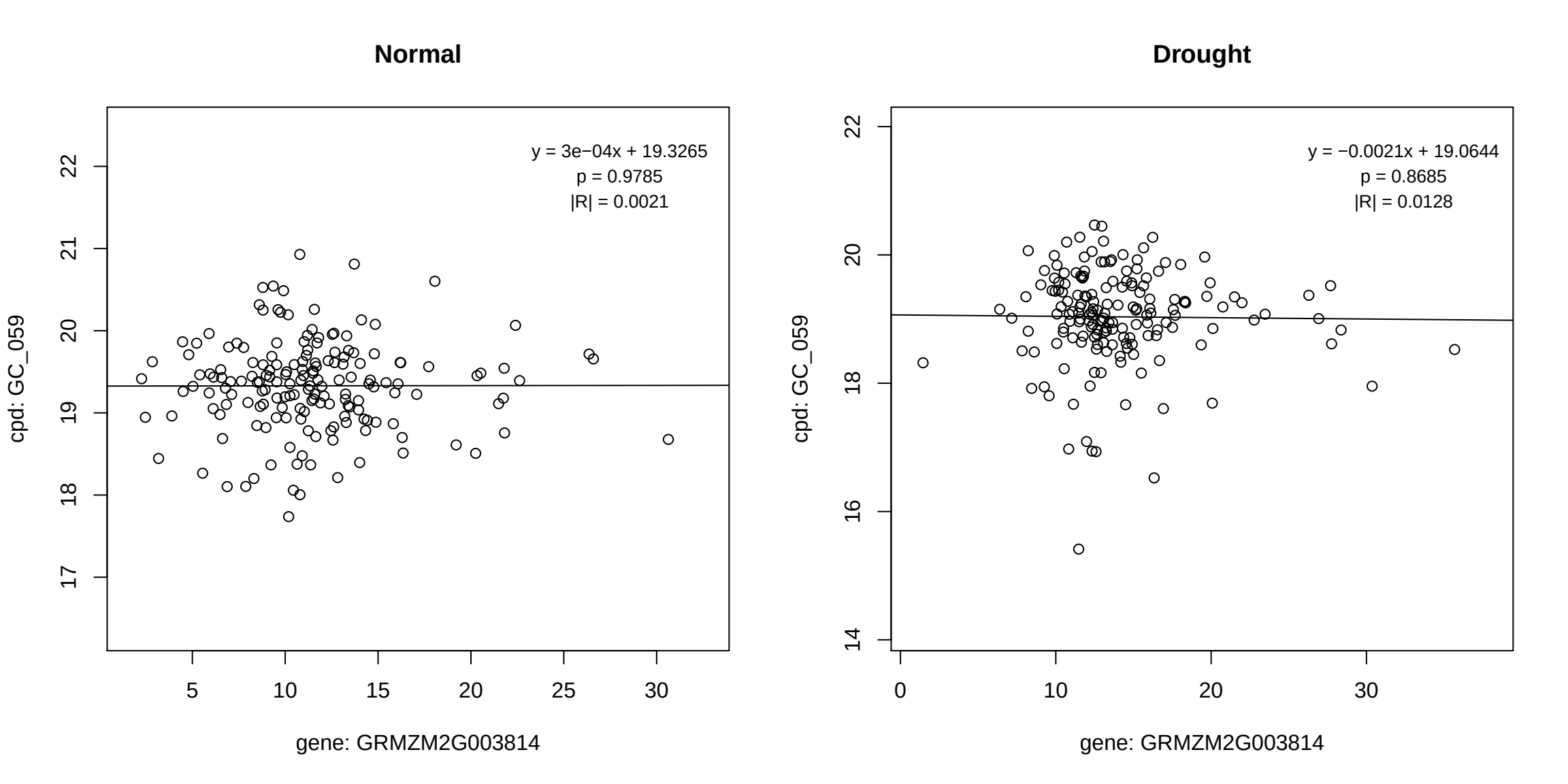

Normal
y = 7e−04x + 19.3204
p = 0.8962
|R| = 0.0101
cpd: GC_059
gene: GRMZM5G834199
Drought
y = −0.0119x + 19.1172
p = 0.4561
|R| = 0.0575
cpd: GC_059
gene: GRMZM5G834199

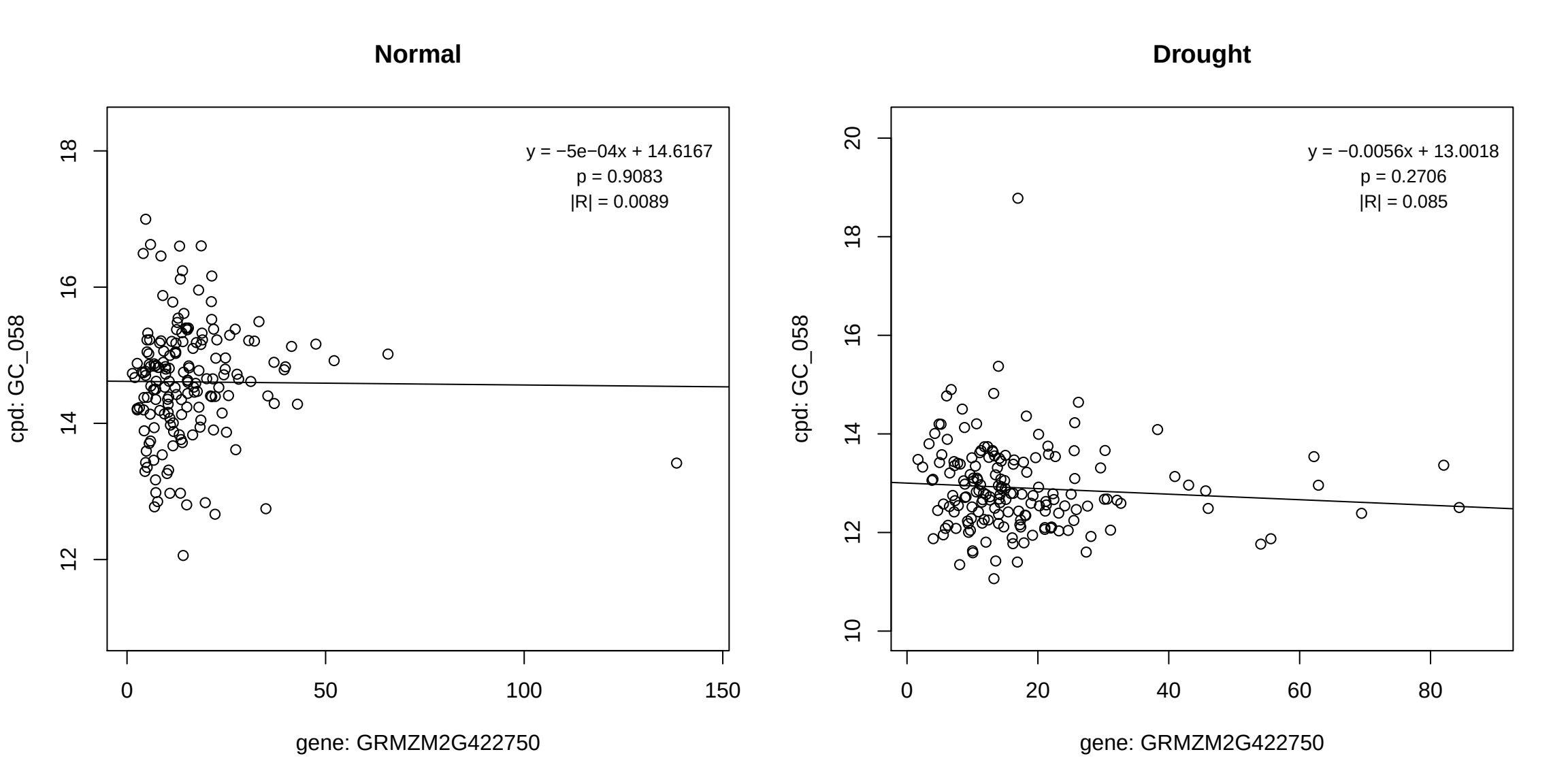

Normal
y = −3e−04x + 19.3493
p = 0.8902
|R| = 0.0106
cpd: GC_059
gene: GRMZM2G003642
Drought
y = −0.0018x + 19.1202
p = 0.594
|R| = 0.0412
cpd: GC_059
gene: GRMZM2G003642

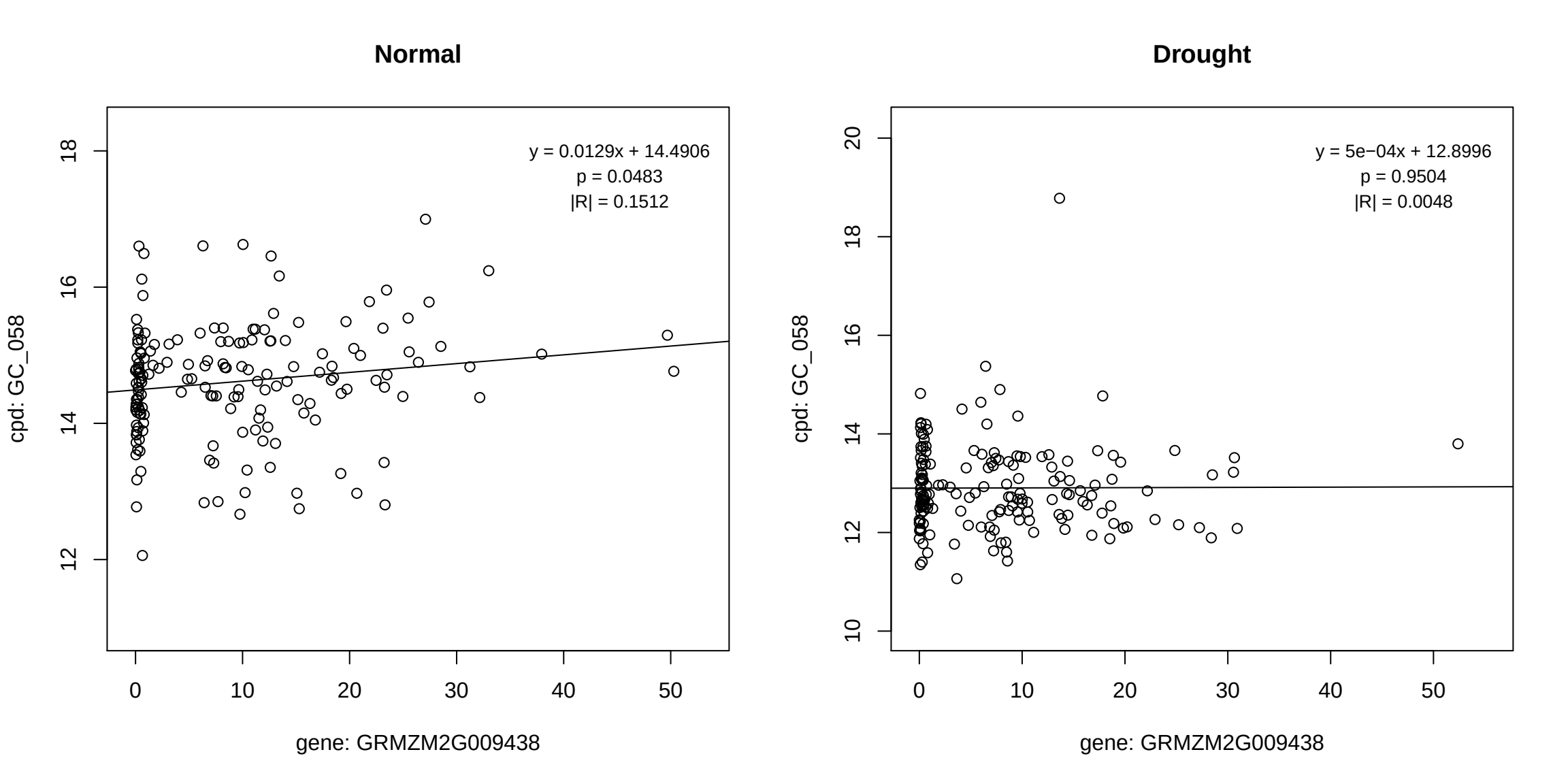

Normal
y = 0.002x + 19.1949
p = 0.5382
|R| = 0.0474
cpd: GC_059
gene: GRMZM2G004997
Drought
y = −0.0074x + 19.4662
p = 0.2225
|R| = 0.094
cpd: GC_059
gene: GRMZM2G004997

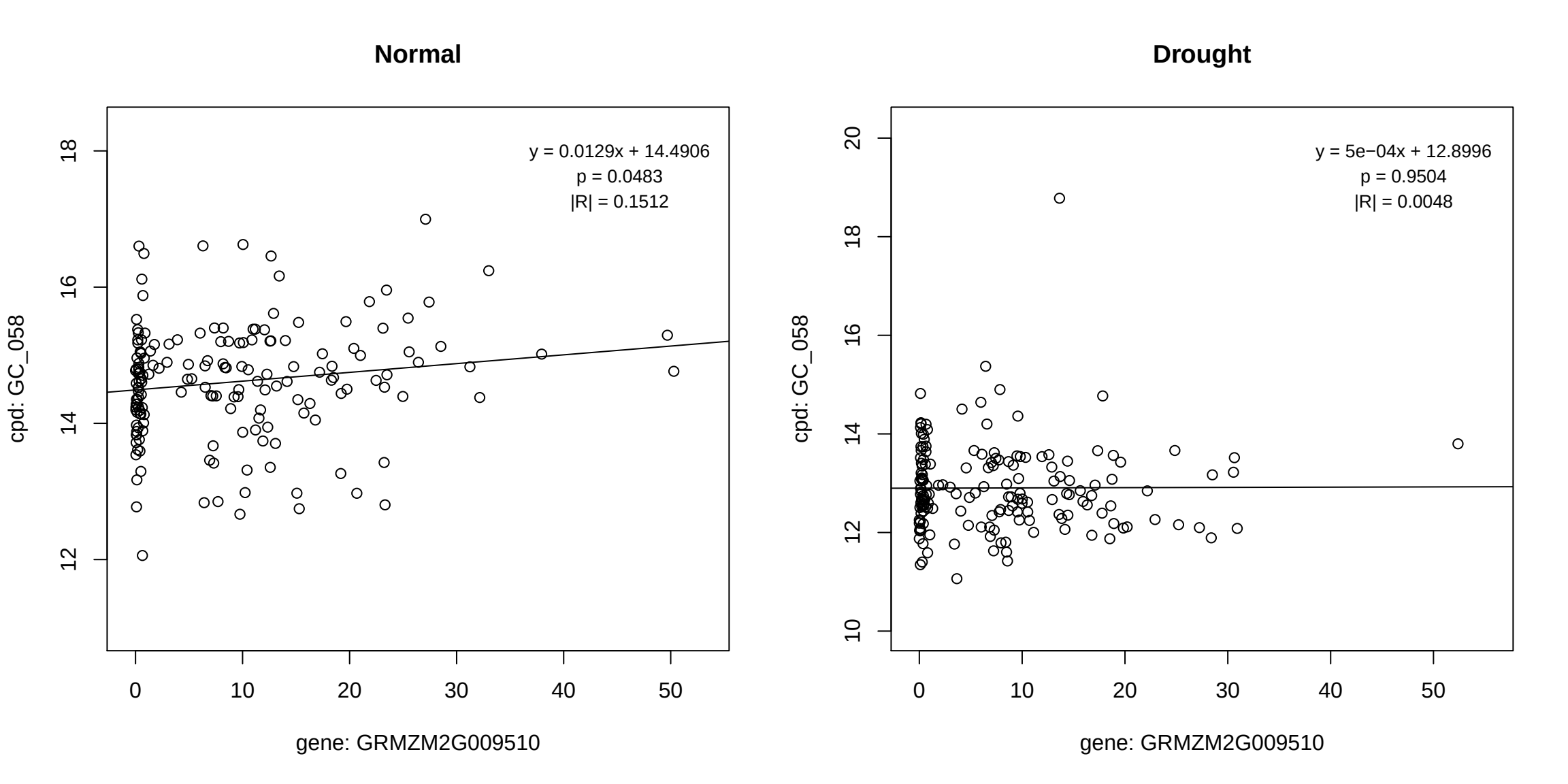

Normal
y = 0.102x + 19.3075
p = 0.1599
|R| = 0.108
cpd: GC_059
gene: GRMZM2G089995
Drought
y = −0.0033x + 19.0543
p = 0.446
|R| = 0.0588
cpd: GC_059
gene: GRMZM2G089995

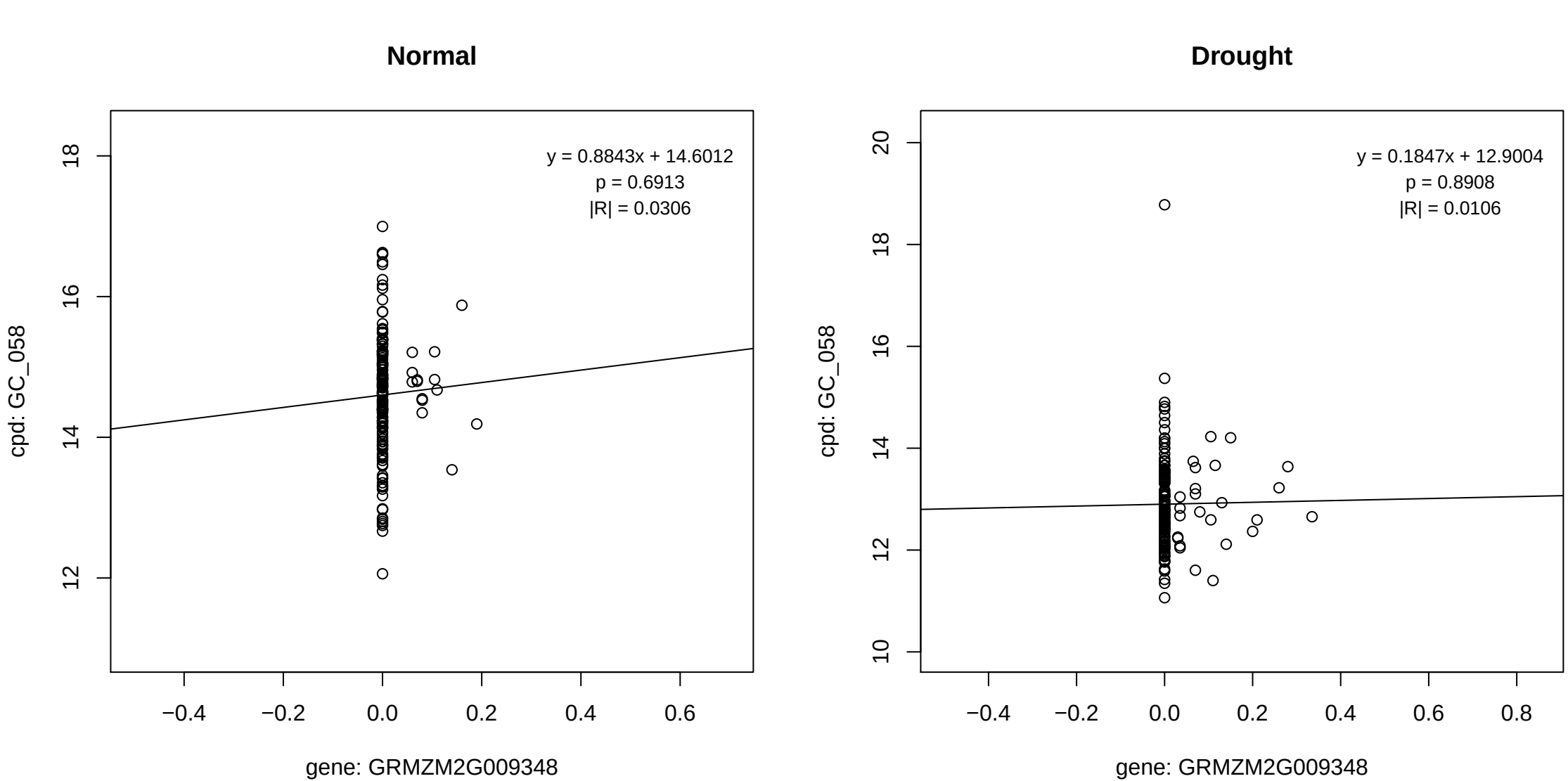

Normal
y = −0.0045x + 19.6101
p = 0.1815
|R| = 0.1027
cpd: GC_059
gene: GRMZM5G852329
Drought
y = −0.0121x + 19.6568
p = 0.1062
|R| = 0.1243
cpd: GC_059
gene: GRMZM5G852329

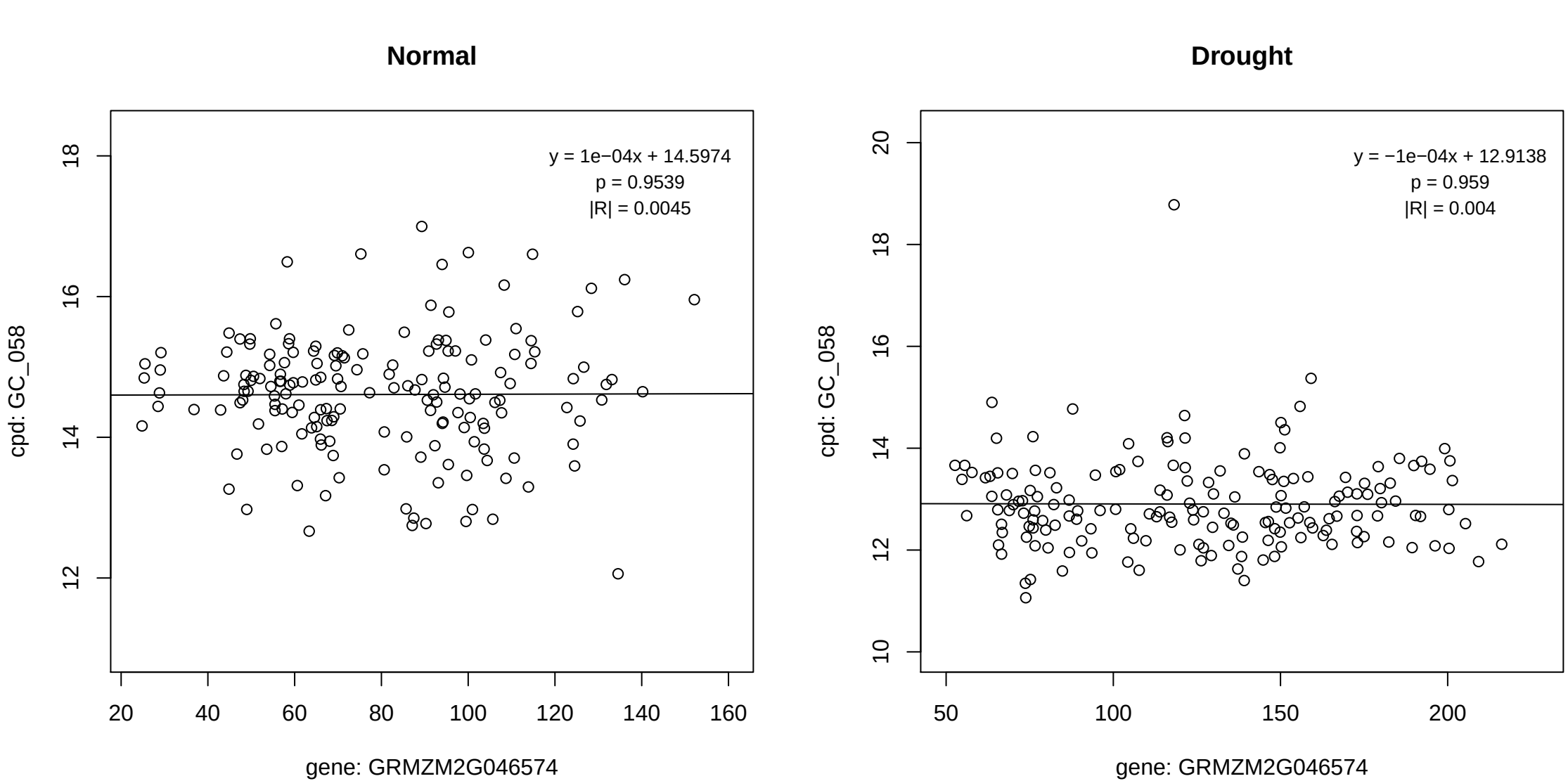

Normal
y = 3e−04x + 19.3265
p = 0.9785
|R| = 0.0021
cpd: GC_059
gene: GRMZM2G003814
Drought
y = −0.0021x + 19.0644
p = 0.8685
|R| = 0.0128
cpd: GC_059
gene: GRMZM2G003814

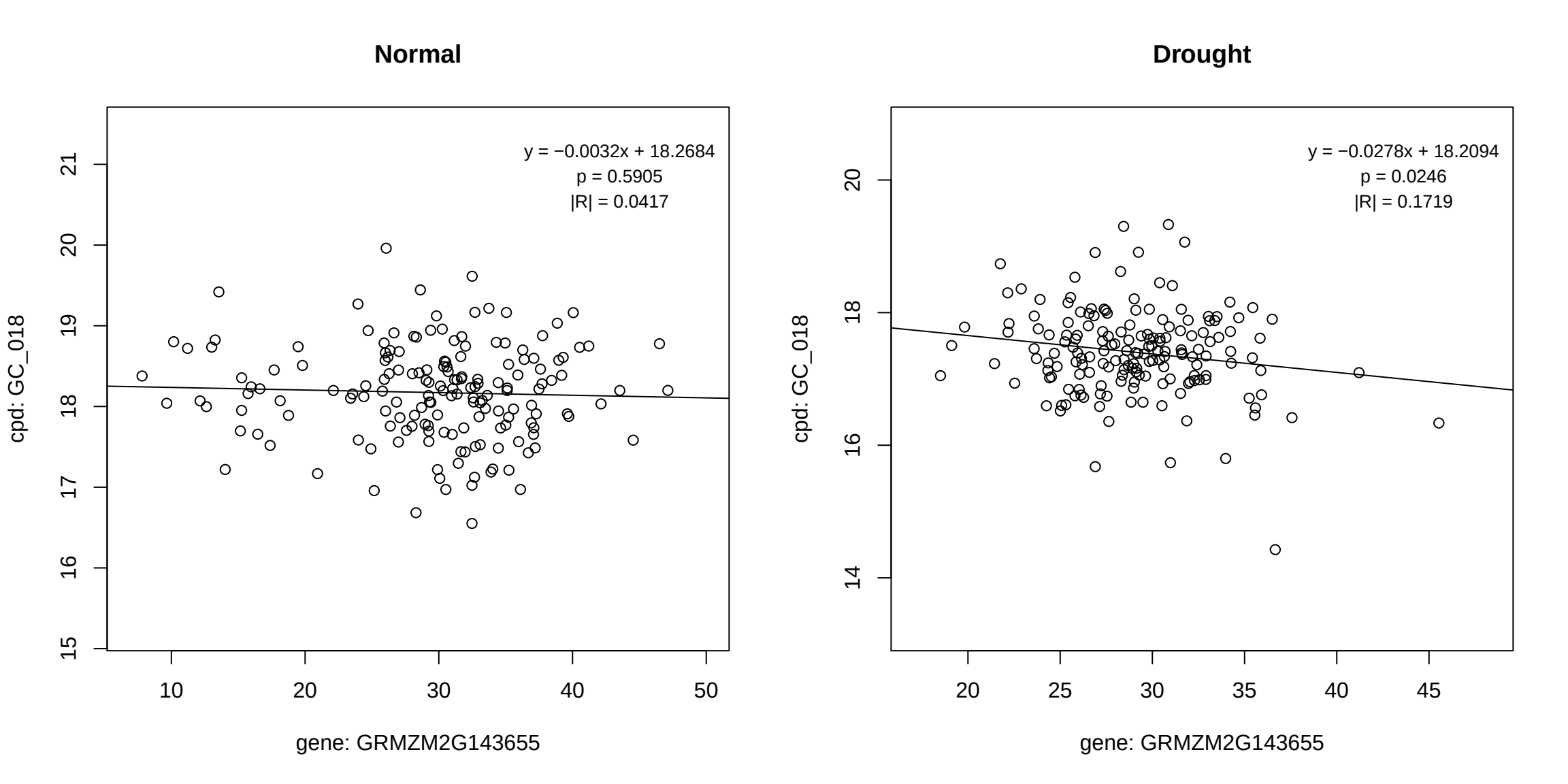

Normal
y = −5e−04x + 14.6167
p = 0.9083
|R| = 0.0089
cpd: GC_058
gene: GRMZM2G422750
Drought
y = −0.0056x + 13.0018
p = 0.2706
|R| = 0.085
cpd: GC_058
gene: GRMZM2G422750

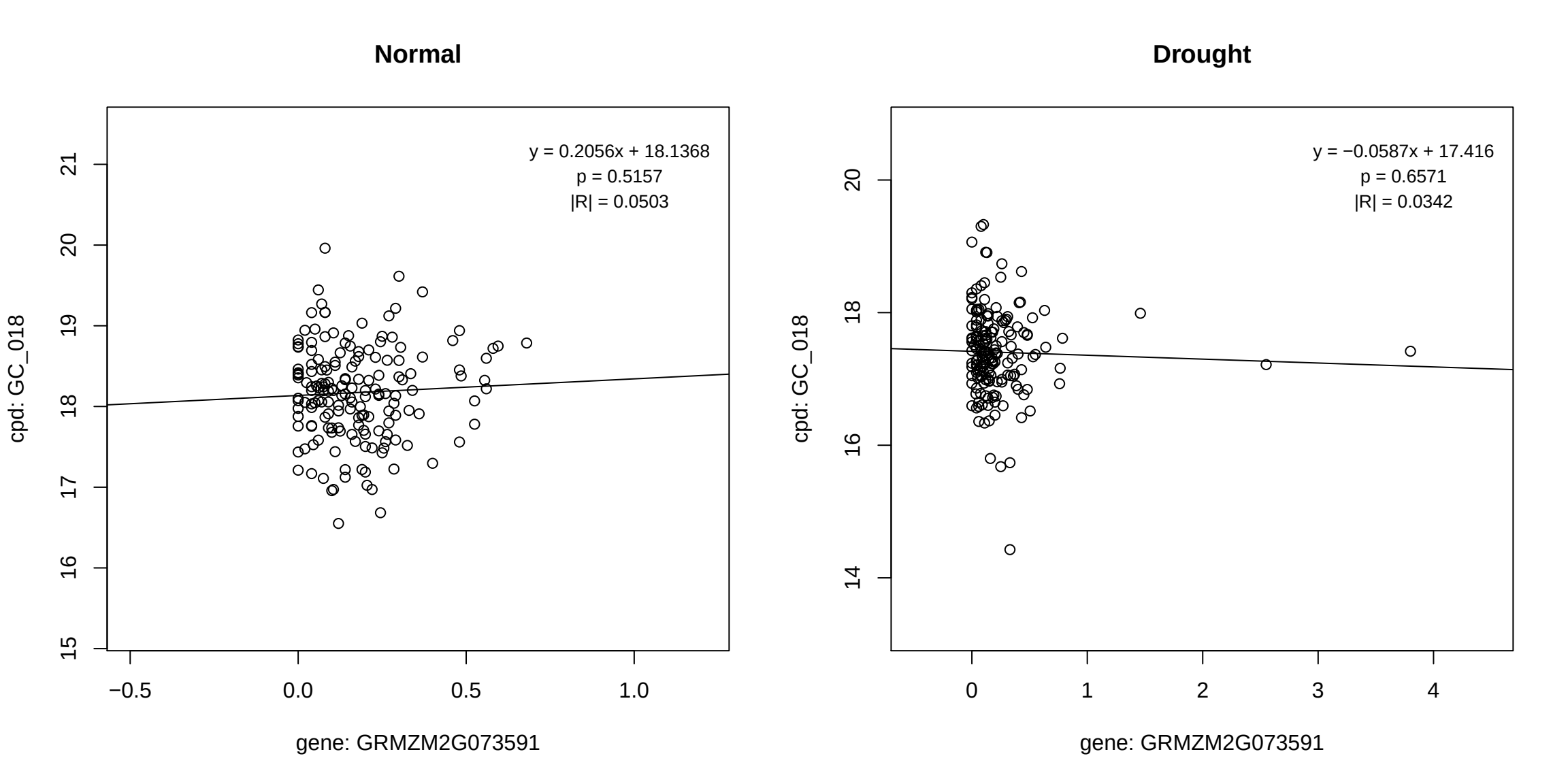

Normal
y = 0.0129x + 14.4906
p = 0.0483
|R| = 0.1512
cpd: GC_058
gene: GRMZM2G009438
Drought
y = 5e−04x + 12.8996
p = 0.9504
|R| = 0.0048
cpd: GC_058
gene: GRMZM2G009438

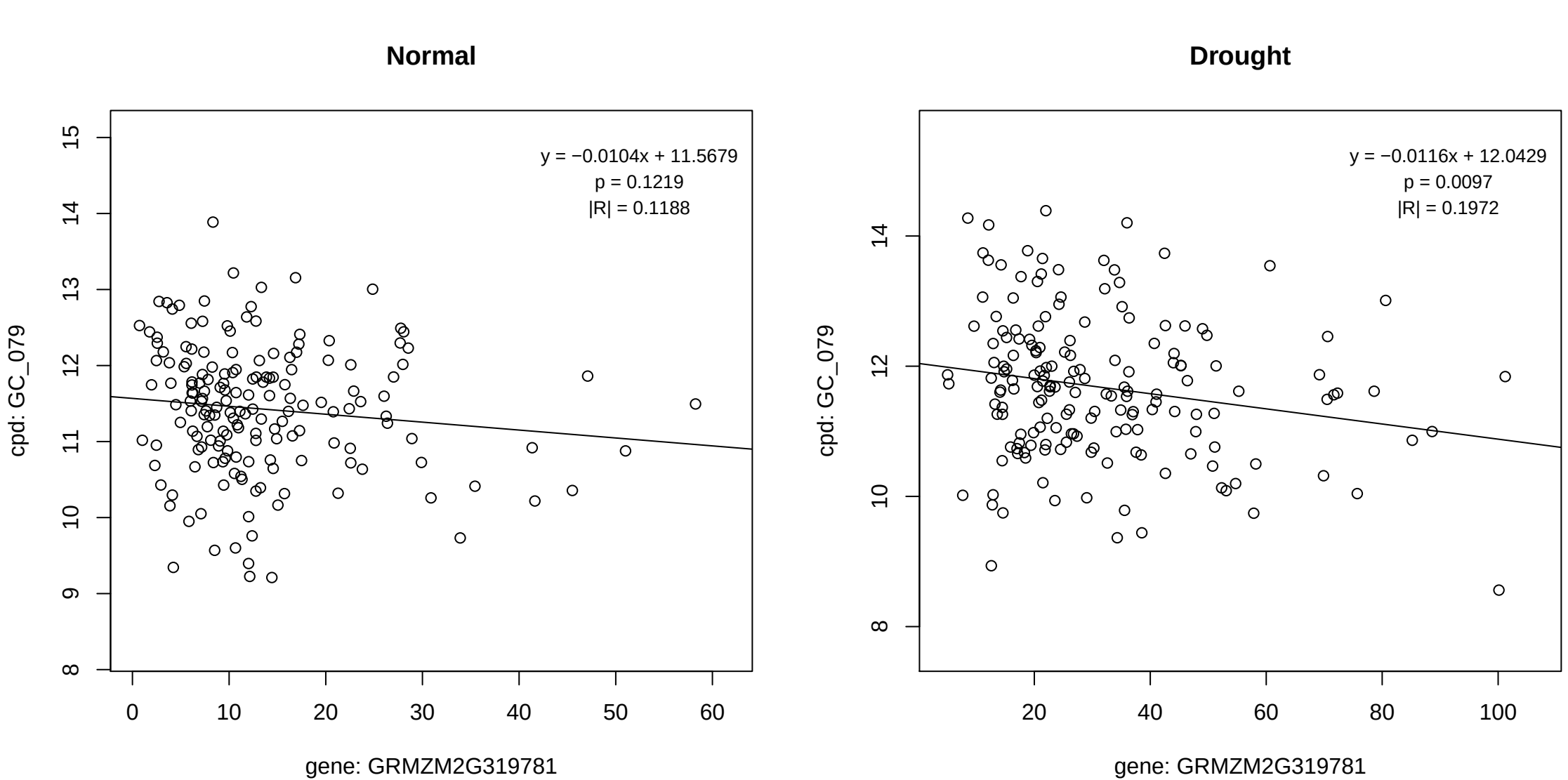

Normal
y = 0.0129x + 14.4906
p = 0.0483
|R| = 0.1512
cpd: GC_058
gene: GRMZM2G009510
Drought
y = 5e−04x + 12.8996
p = 0.9504
|R| = 0.0048
cpd: GC_058
gene: GRMZM2G009510

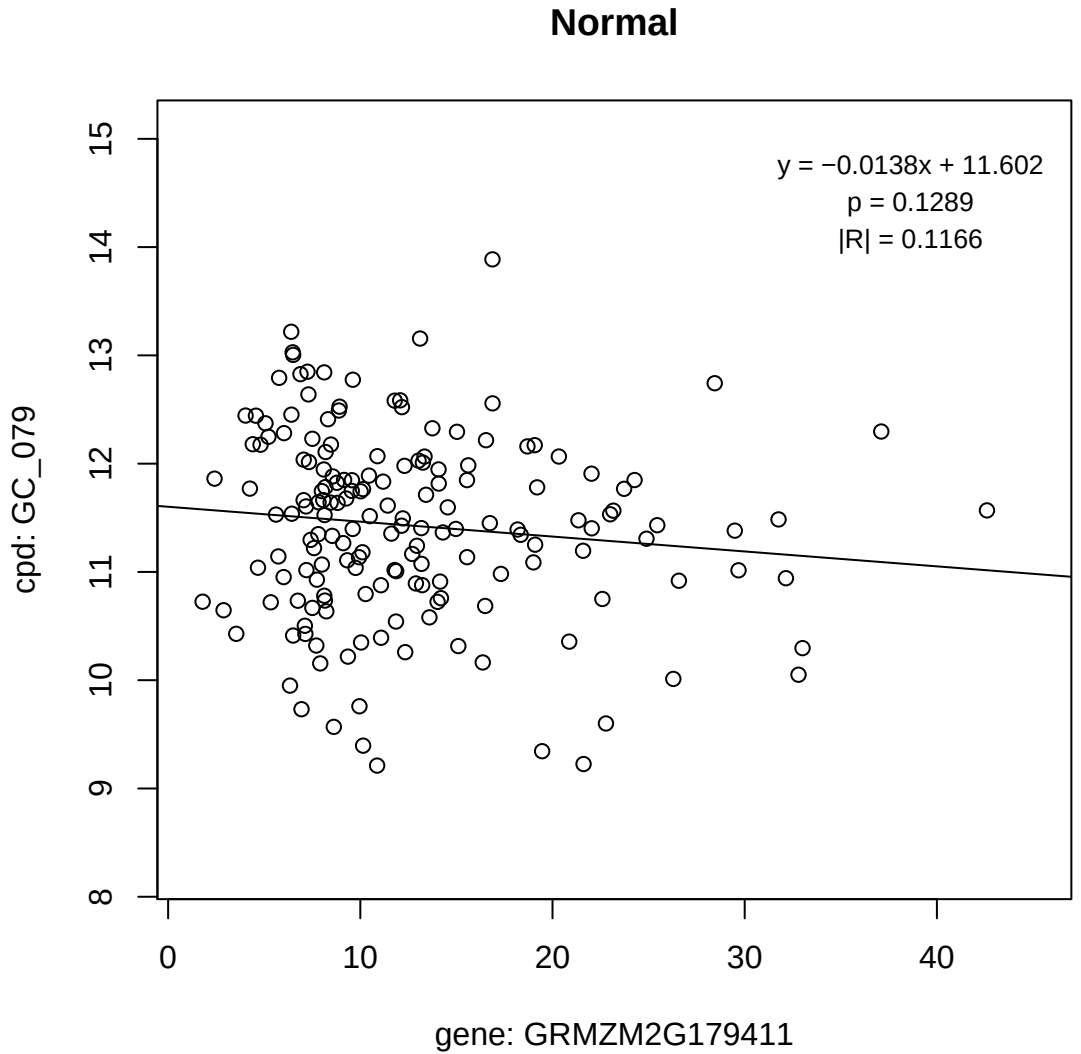

Normal
y = 0.8843x + 14.6012
p = 0.6913
|R| = 0.0306
cpd: GC_058
gene: GRMZM2G009348
Drought
y = 0.1847x + 12.9004
p = 0.8908
|R| = 0.0106
cpd: GC_058
gene: GRMZM2G009348

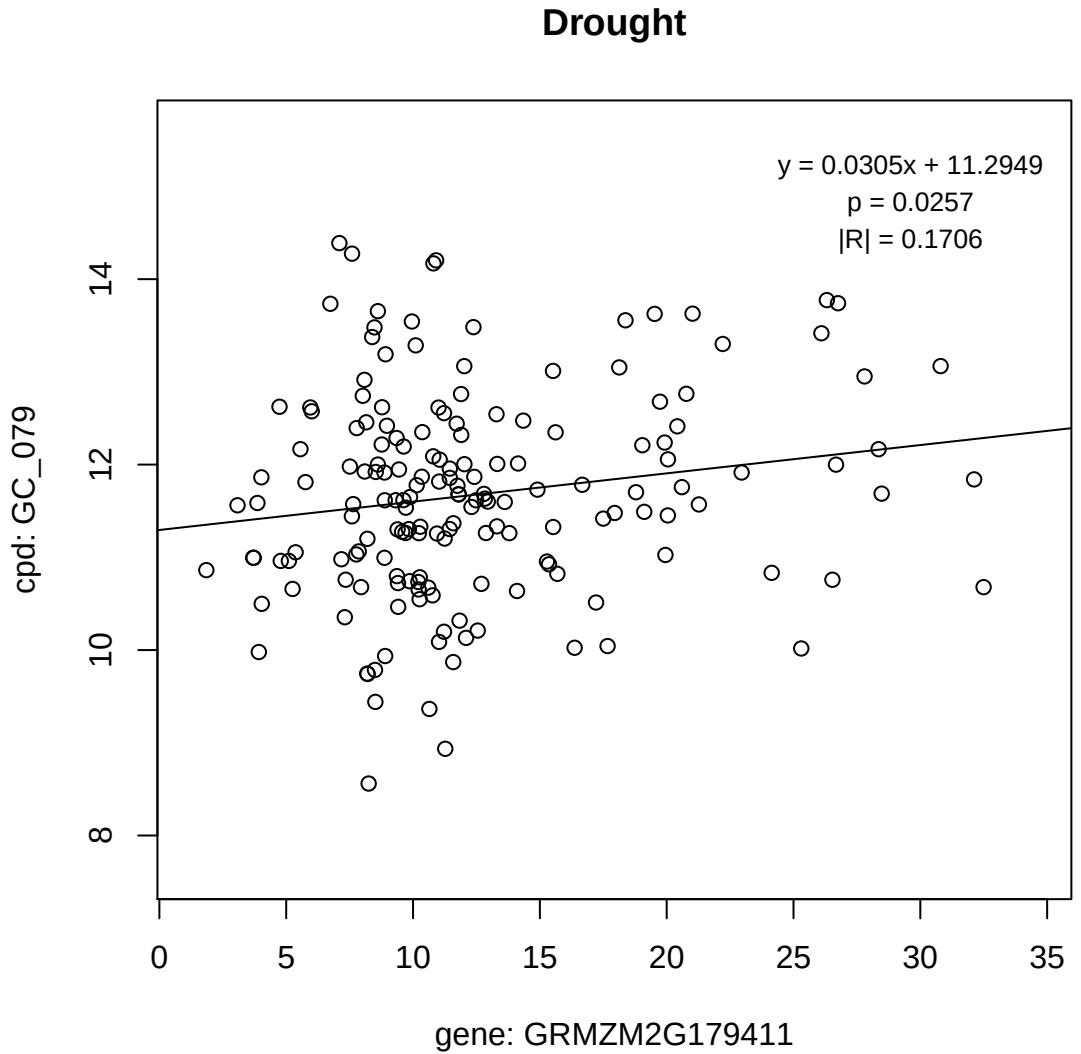

Normal
y = 1e−04x + 14.5974
p = 0.9539
|R| = 0.0045
cpd: GC_058
gene: GRMZM2G046574
Drought
y = −1e−04x + 12.9138
p = 0.959
|R| = 0.004
cpd: GC_058
gene: GRMZM2G046574

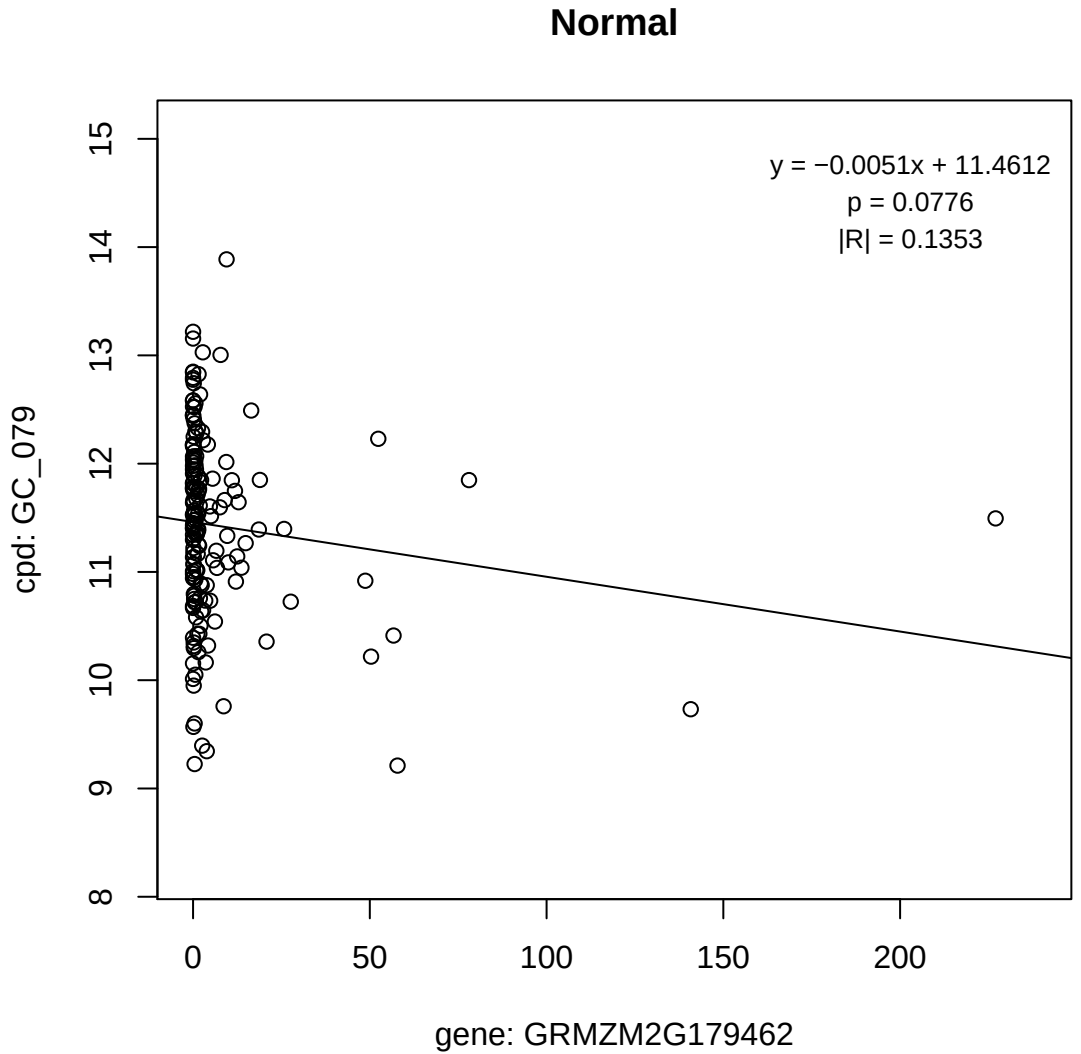

Normal
y = −0.0032x + 18.2684
p = 0.5905
|R| = 0.0417
cpd: GC_018
gene: GRMZM2G143655
Drought
y = −0.0278x + 18.2094
p = 0.0246
|R| = 0.1719
cpd: GC_018
gene: GRMZM2G143655

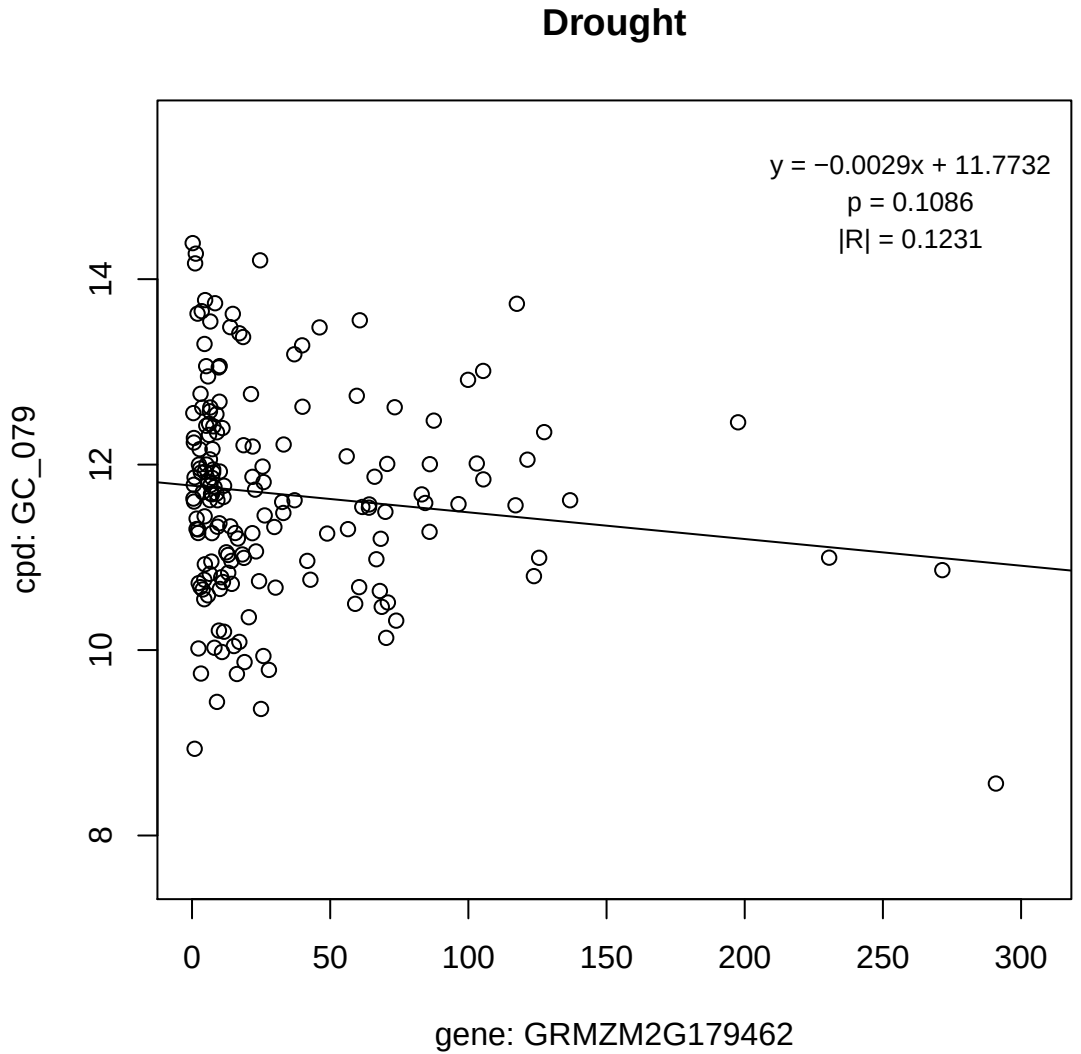

Normal
y = 0.2056x + 18.1368
p = 0.5157
|R| = 0.0503
cpd: GC_018
gene: GRMZM2G073591
Drought
y = −0.0587x + 17.416
p = 0.6571
|R| = 0.0342
cpd: GC_018
gene: GRMZM2G073591

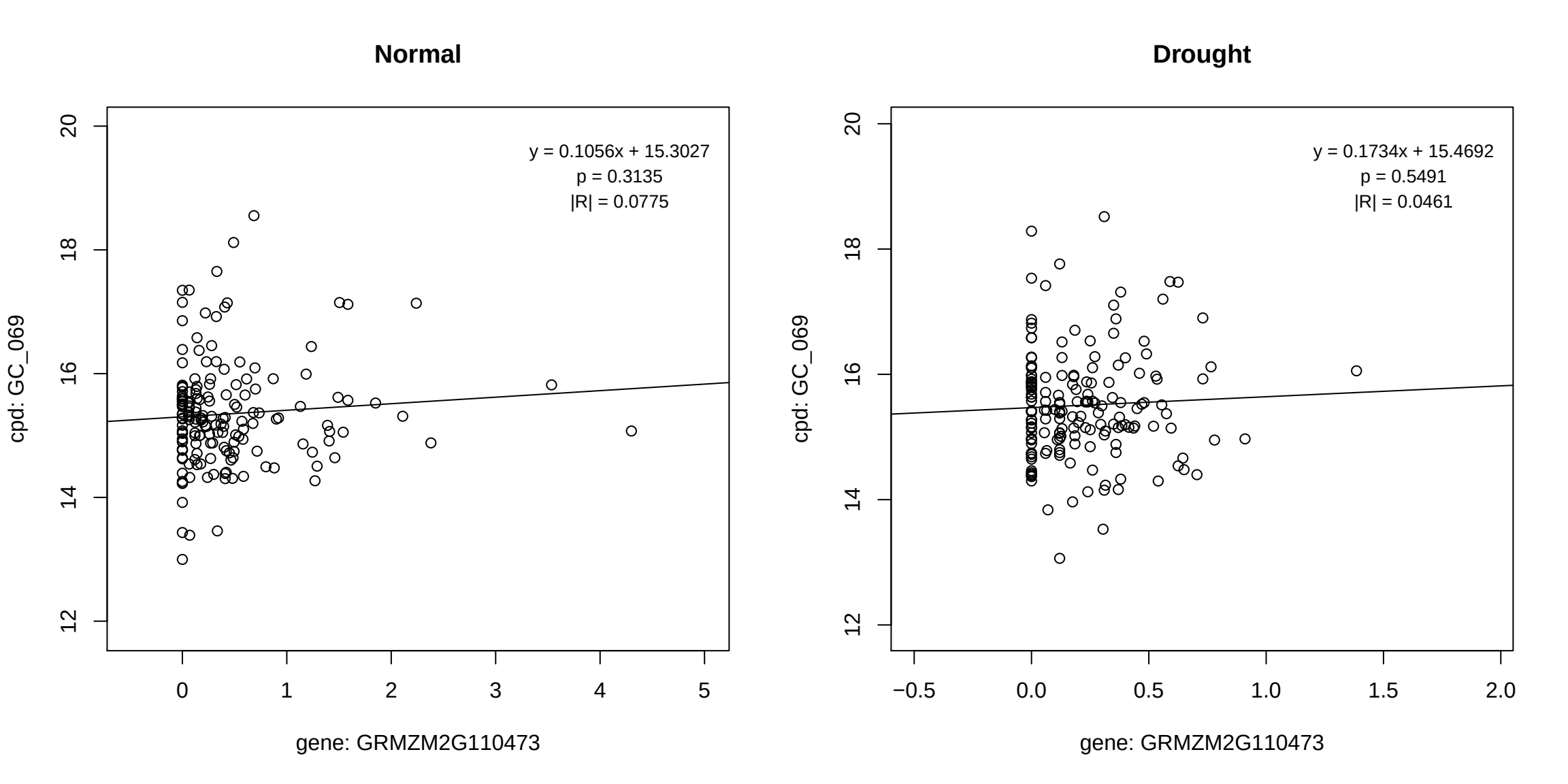

Normal
y = −0.0104x + 11.5679
p = 0.1219
|R| = 0.1188
cpd: GC_079
gene: GRMZM2G319781
Drought
y = −0.0116x + 12.0429
p = 0.0097
|R| = 0.1972
cpd: GC_079
gene: GRMZM2G319781

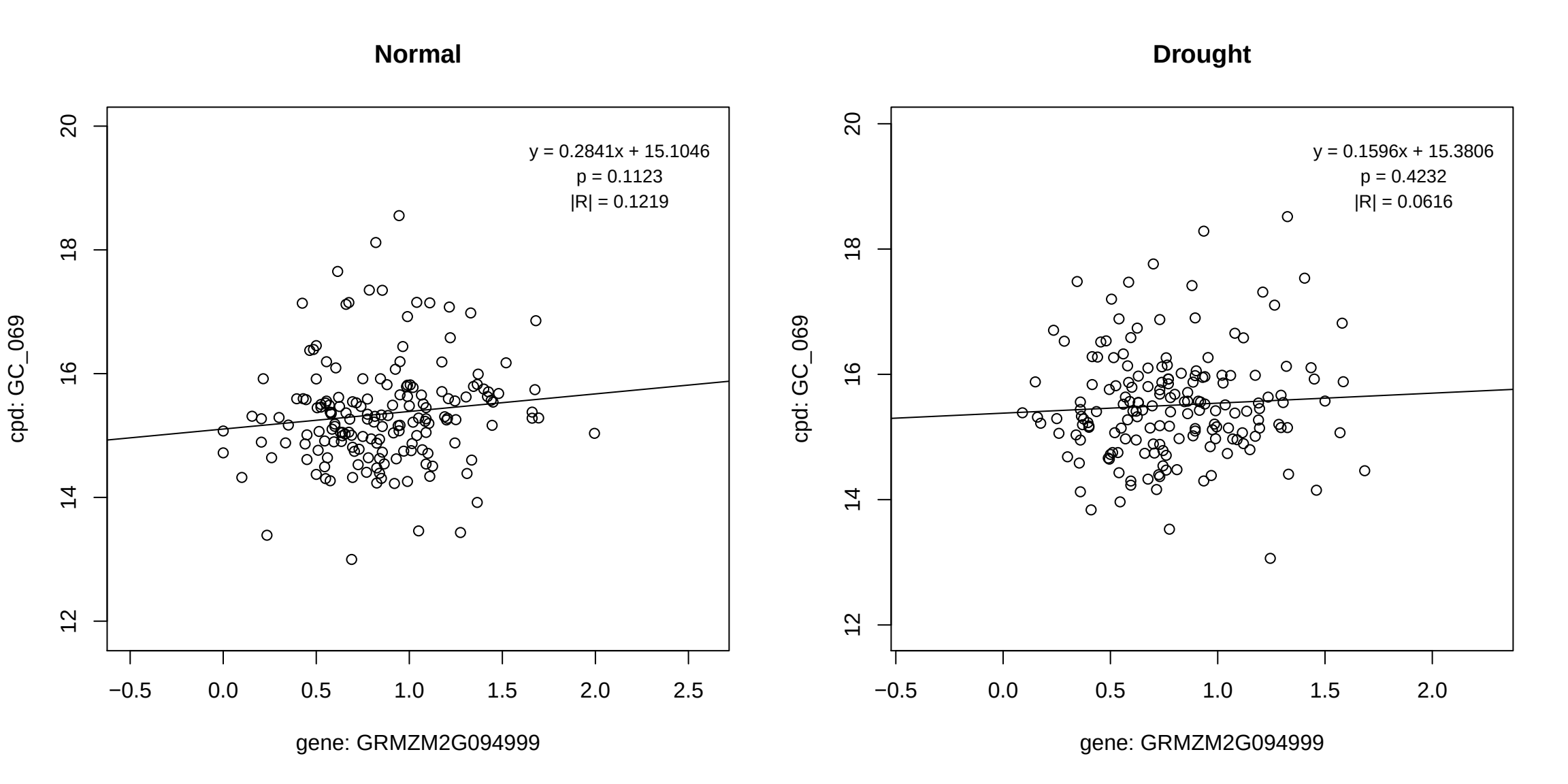

Normal
y = −0.0138x + 11.602
p = 0.1289
|R| = 0.1166
cpd: GC_079
gene: GRMZM2G179411
8
9
10
11
12
13
14
15
0
10
20
30
40

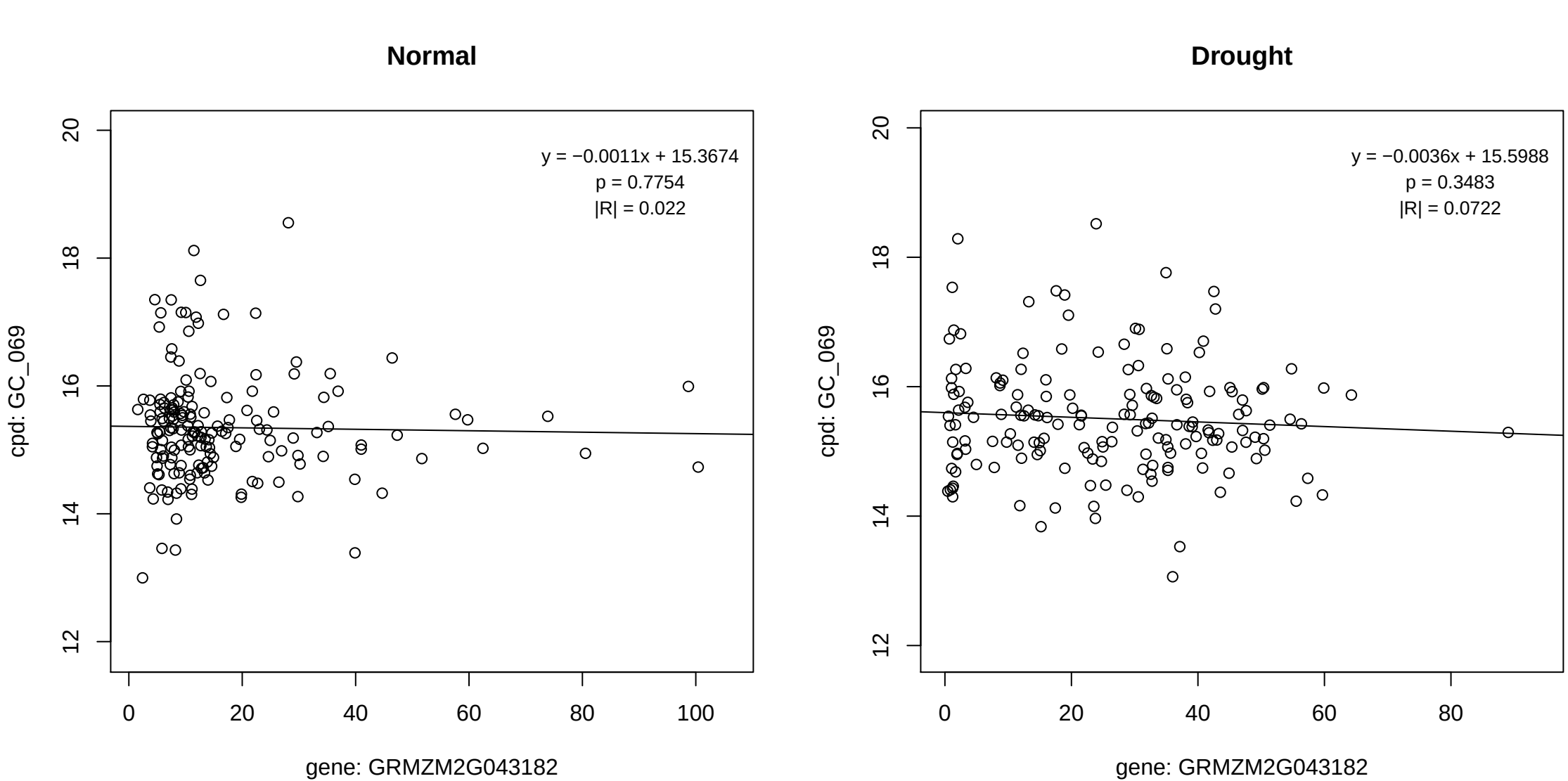

Drought
y = 0.0305x + 11.2949
p = 0.0257
|R| = 0.1706
cpd: GC_079
gene: GRMZM2G179411
8
10
12
14
0
5
10
15
20
25
30
35

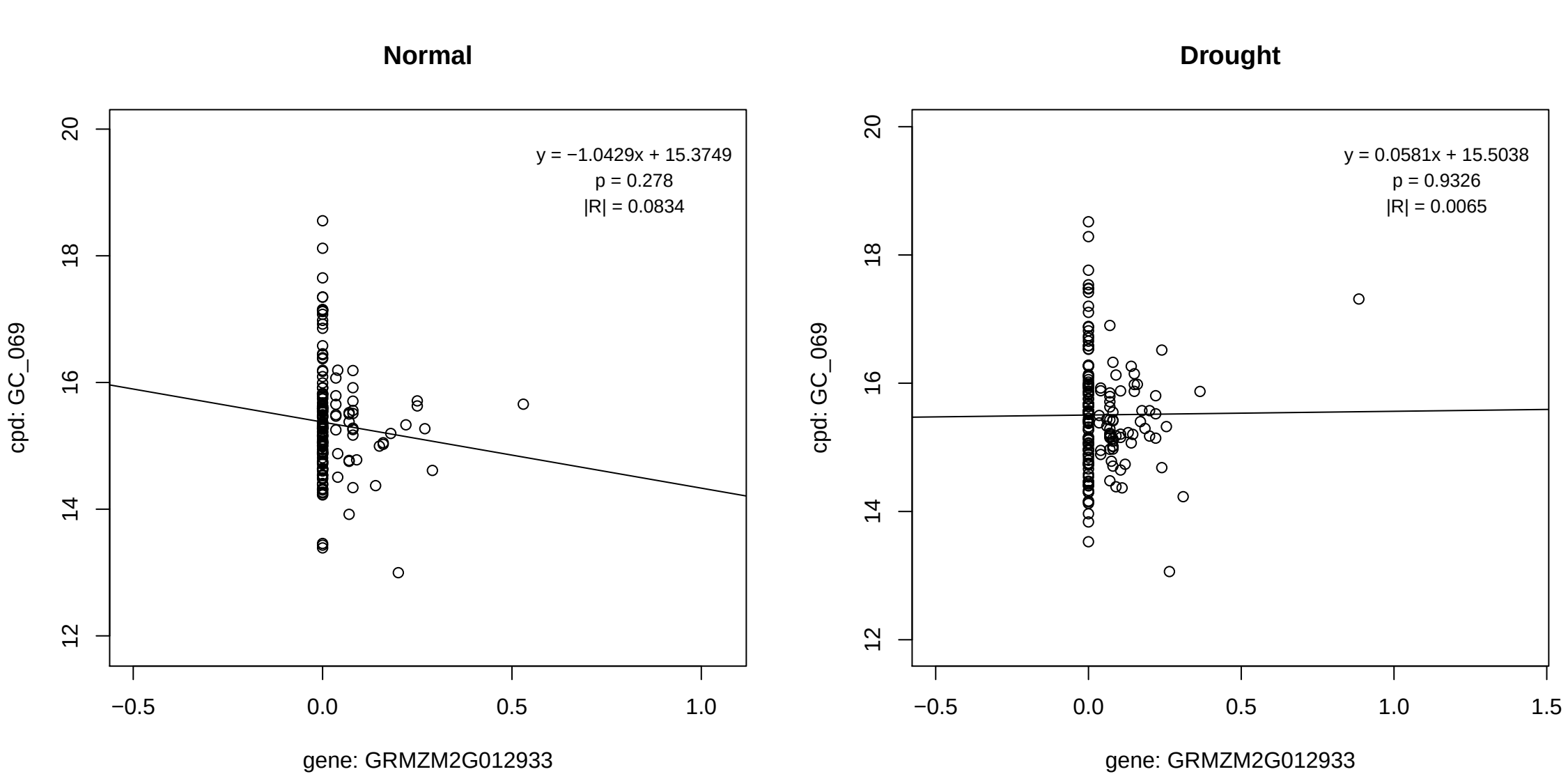

Normal
y = −0.0051x + 11.4612
p = 0.0776
|R| = 0.1353
cpd: GC_079
gene: GRMZM2G179462
8
9
10
11
12
13
14
15
0
50
100
150
200

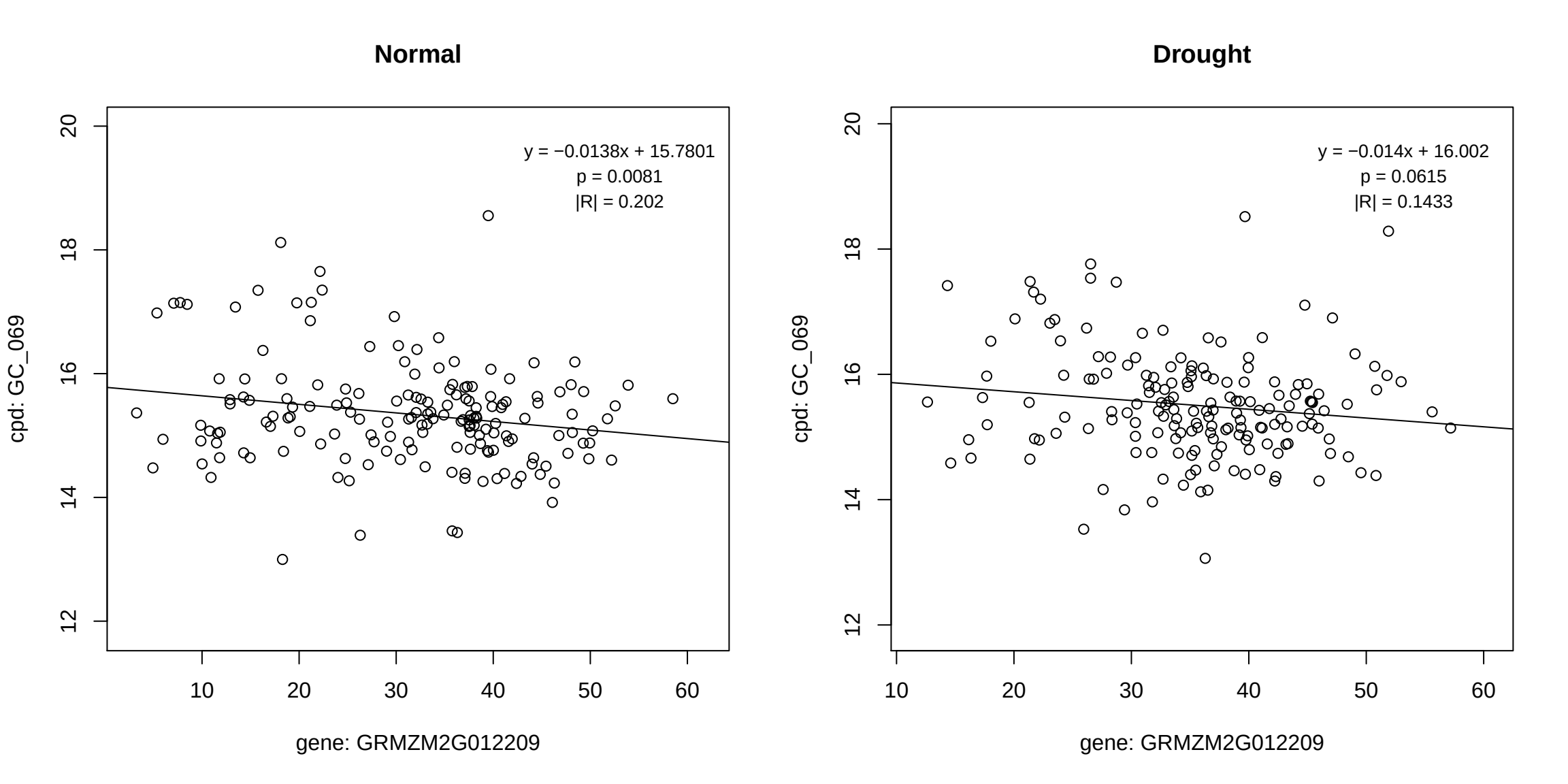

Drought
y = −0.0029x + 11.7732
p = 0.1086
|R| = 0.1231
cpd: GC_079
gene: GRMZM2G179462
8
10
12
14
0
50
100
150
200
250
300

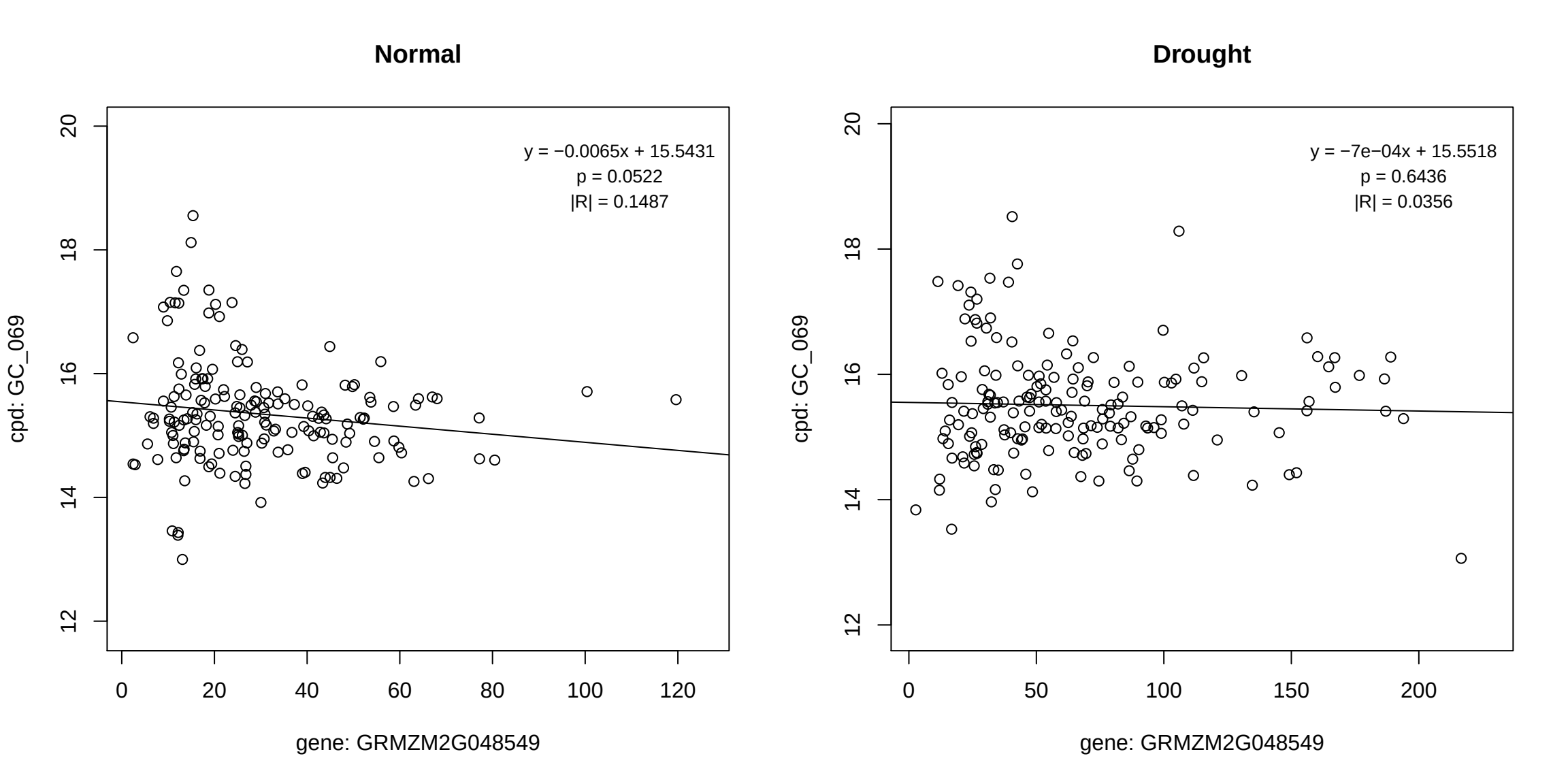

Normal
y = 0.1056x + 15.3027
p = 0.3135
|R| = 0.0775
cpd: GC_069
gene: GRMZM2G110473
Drought
y = 0.1734x + 15.4692
p = 0.5491
|R| = 0.0461
cpd: GC_069
gene: GRMZM2G110473

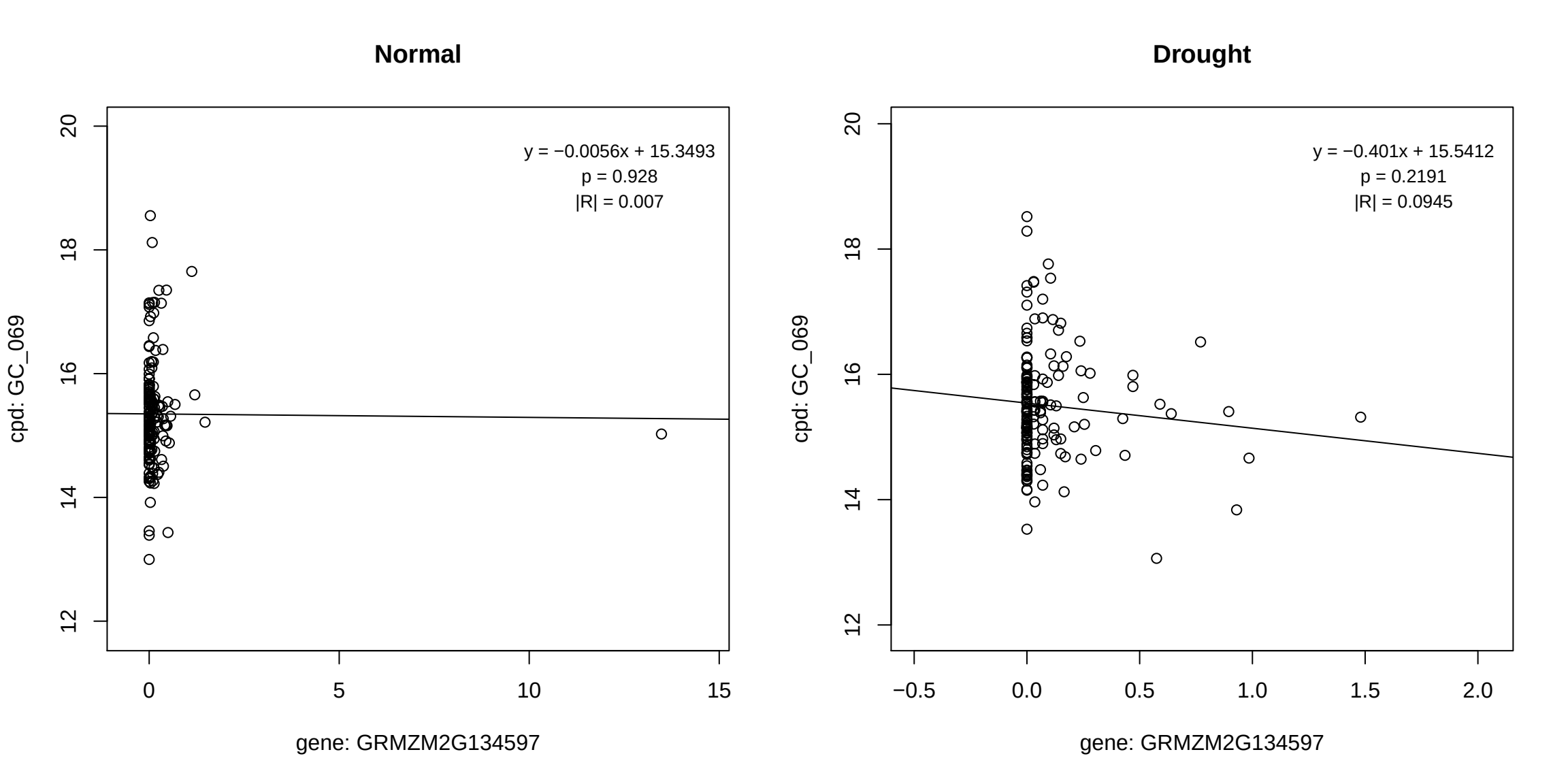

Normal
y = 0.2841x + 15.1046
p = 0.1123
|R| = 0.1219
cpd: GC_069
gene: GRMZM2G094999
Drought
y = 0.1596x + 15.3806
p = 0.4232
|R| = 0.0616
cpd: GC_069
gene: GRMZM2G094999

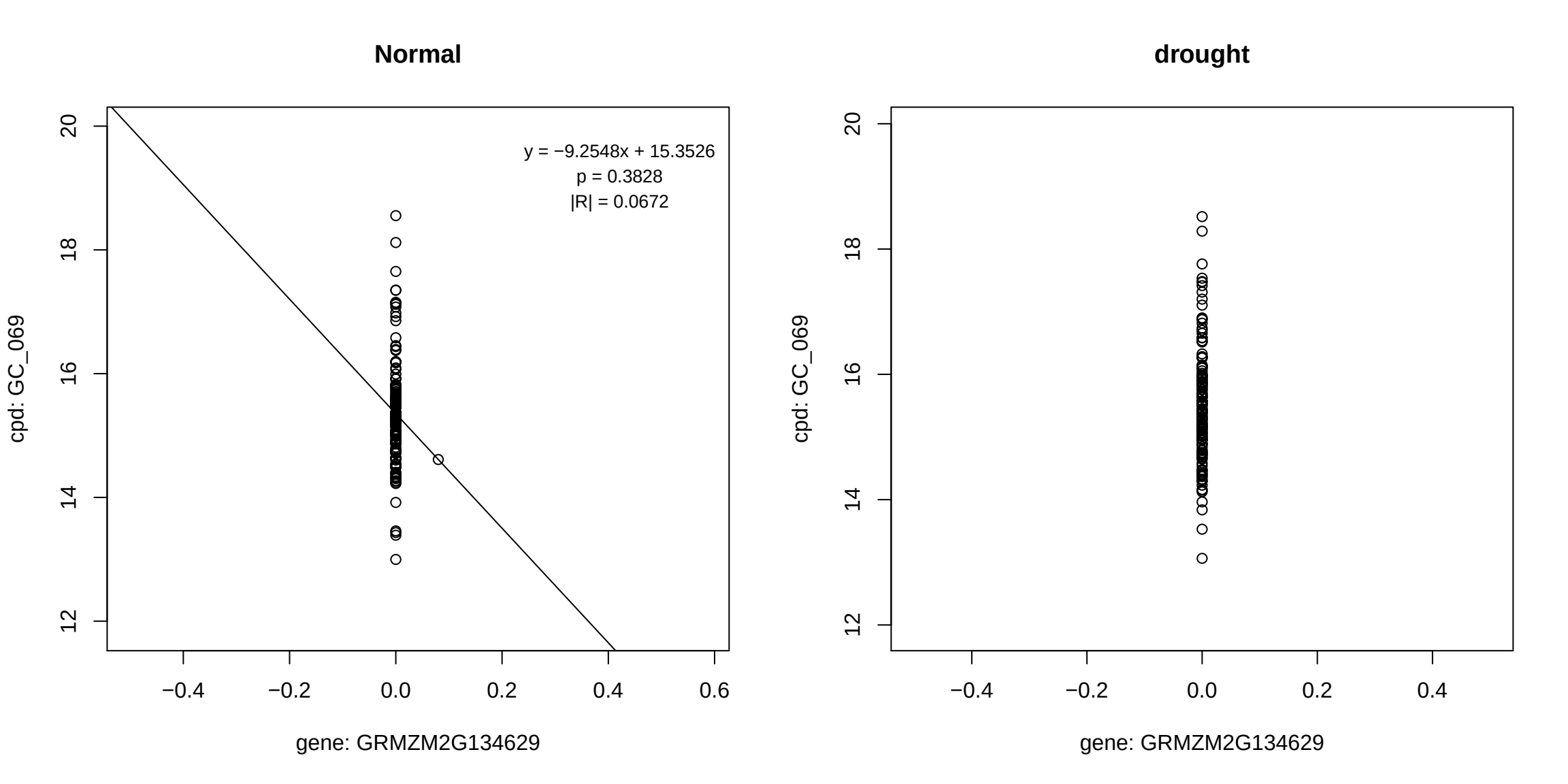

Normal
y = −0.0011x + 15.3674
p = 0.7754
|R| = 0.022
cpd: GC_069
gene: GRMZM2G043182
Drought
y = −0.0036x + 15.5988
p = 0.3483
|R| = 0.0722
cpd: GC_069
gene: GRMZM2G043182

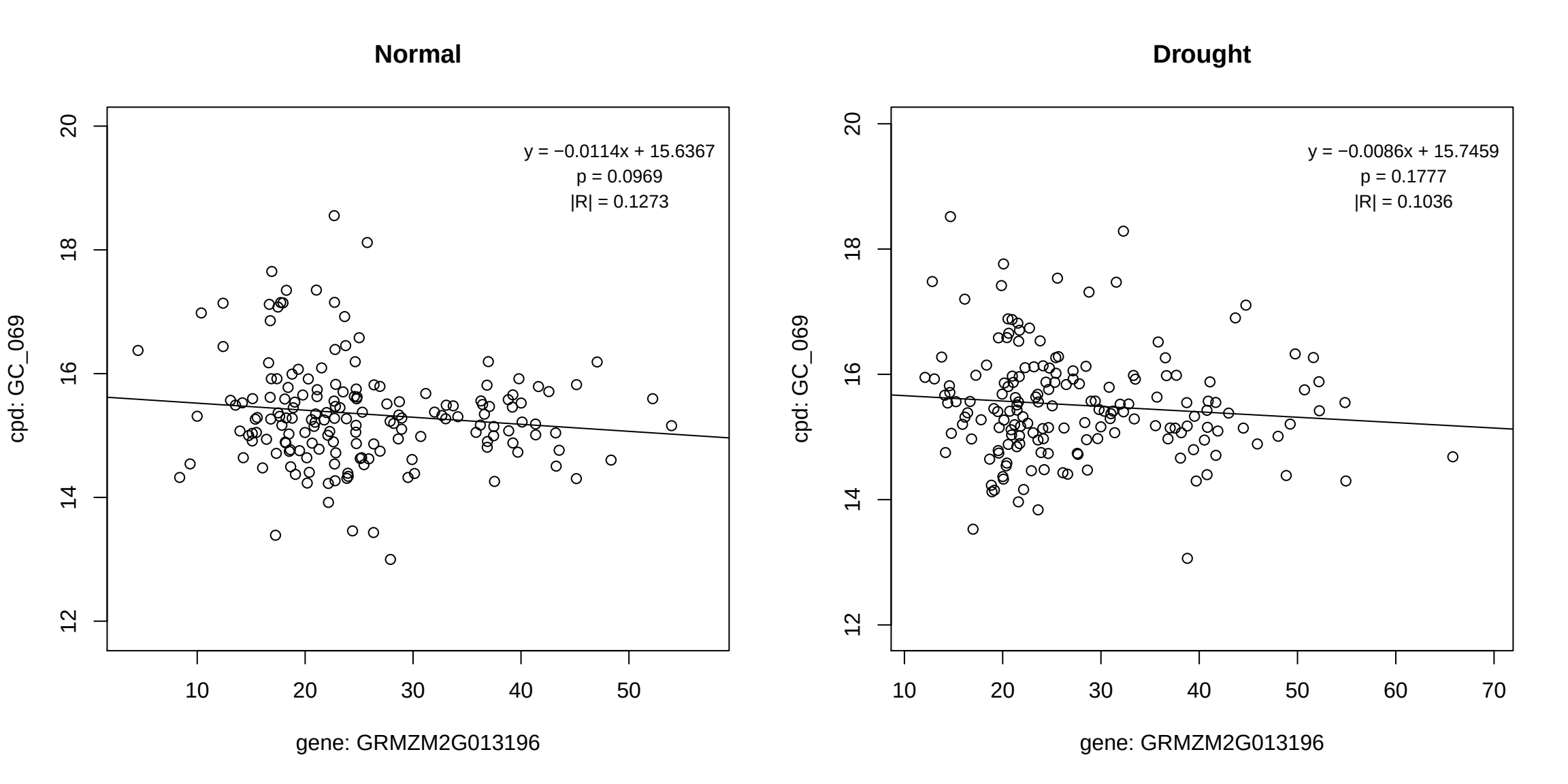

Normal
y = −1.0429x + 15.3749
p = 0.278
|R| = 0.0834
cpd: GC_069
gene: GRMZM2G012933
Drought
y = 0.0581x + 15.5038
p = 0.9326
|R| = 0.0065
cpd: GC_069
gene: GRMZM2G012933

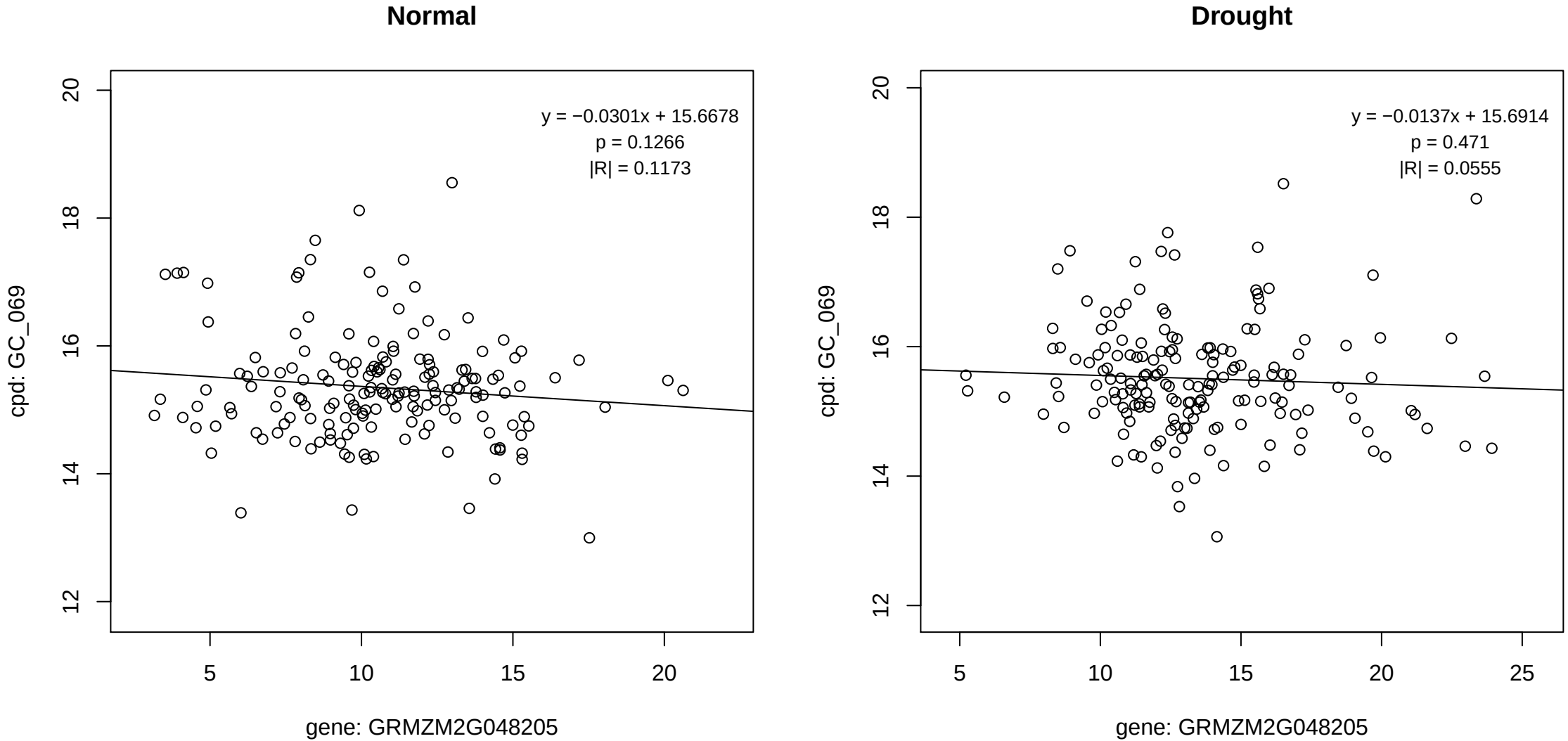

Normal
y = −0.0138x + 15.7801
p = 0.0081
|R| = 0.202
cpd: GC_069
gene: GRMZM2G012209
Drought
y = −0.014x + 16.002
p = 0.0615
|R| = 0.1433
cpd: GC_069
gene: GRMZM2G012209

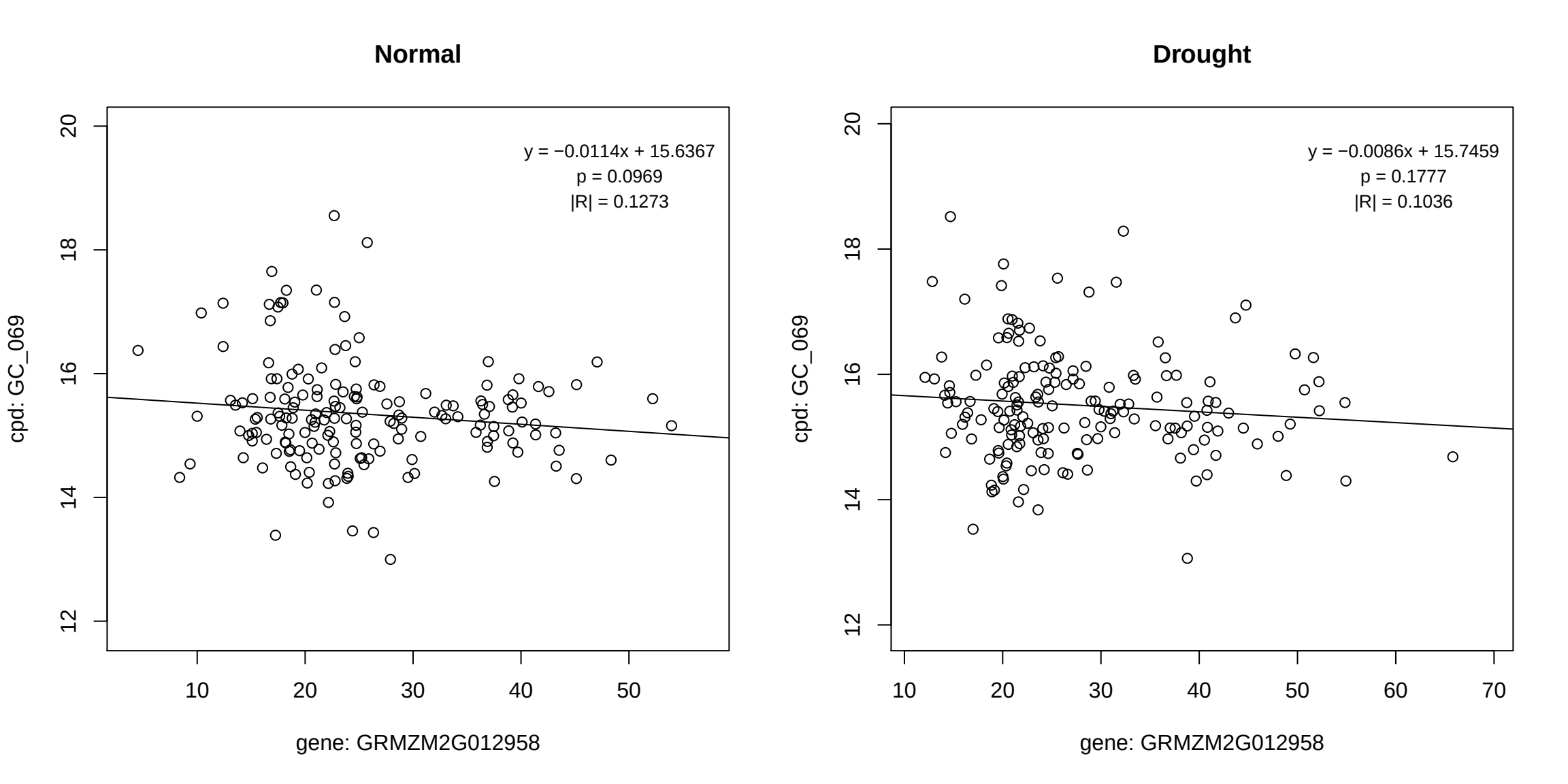

Normal
y = −0.0065x + 15.5431
p = 0.0522
|R| = 0.1487
cpd: GC_069
gene: GRMZM2G048549
Drought
y = −7e−04x + 15.5518
p = 0.6436
|R| = 0.0356
cpd: GC_069
gene: GRMZM2G048549

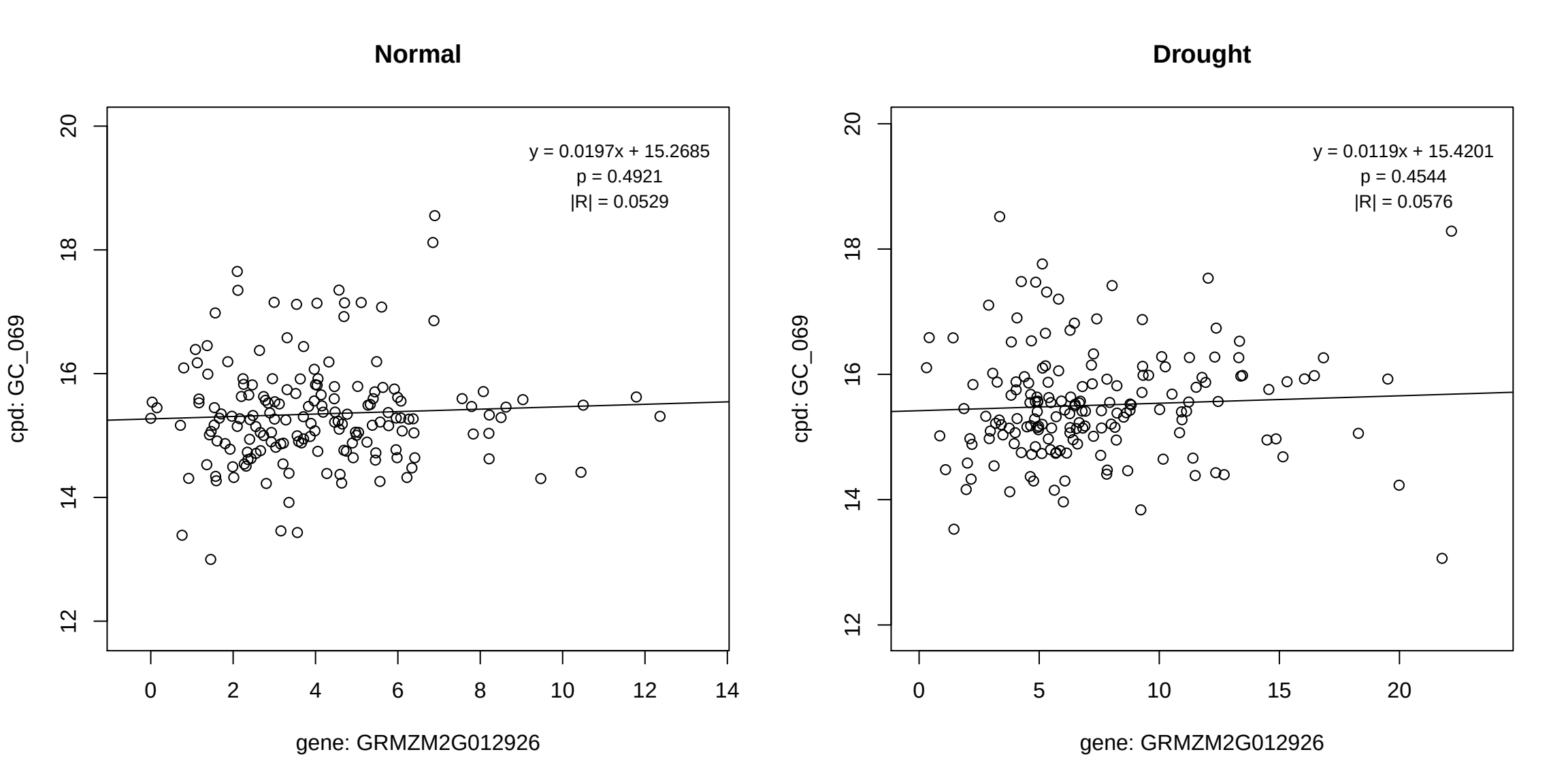

Normal
y = −0.0056x + 15.3493
p = 0.928
|R| = 0.007
cpd: GC_069
gene: GRMZM2G134597
Drought
y = −0.401x + 15.5412
p = 0.2191
|R| = 0.0945
cpd: GC_069
gene: GRMZM2G134597

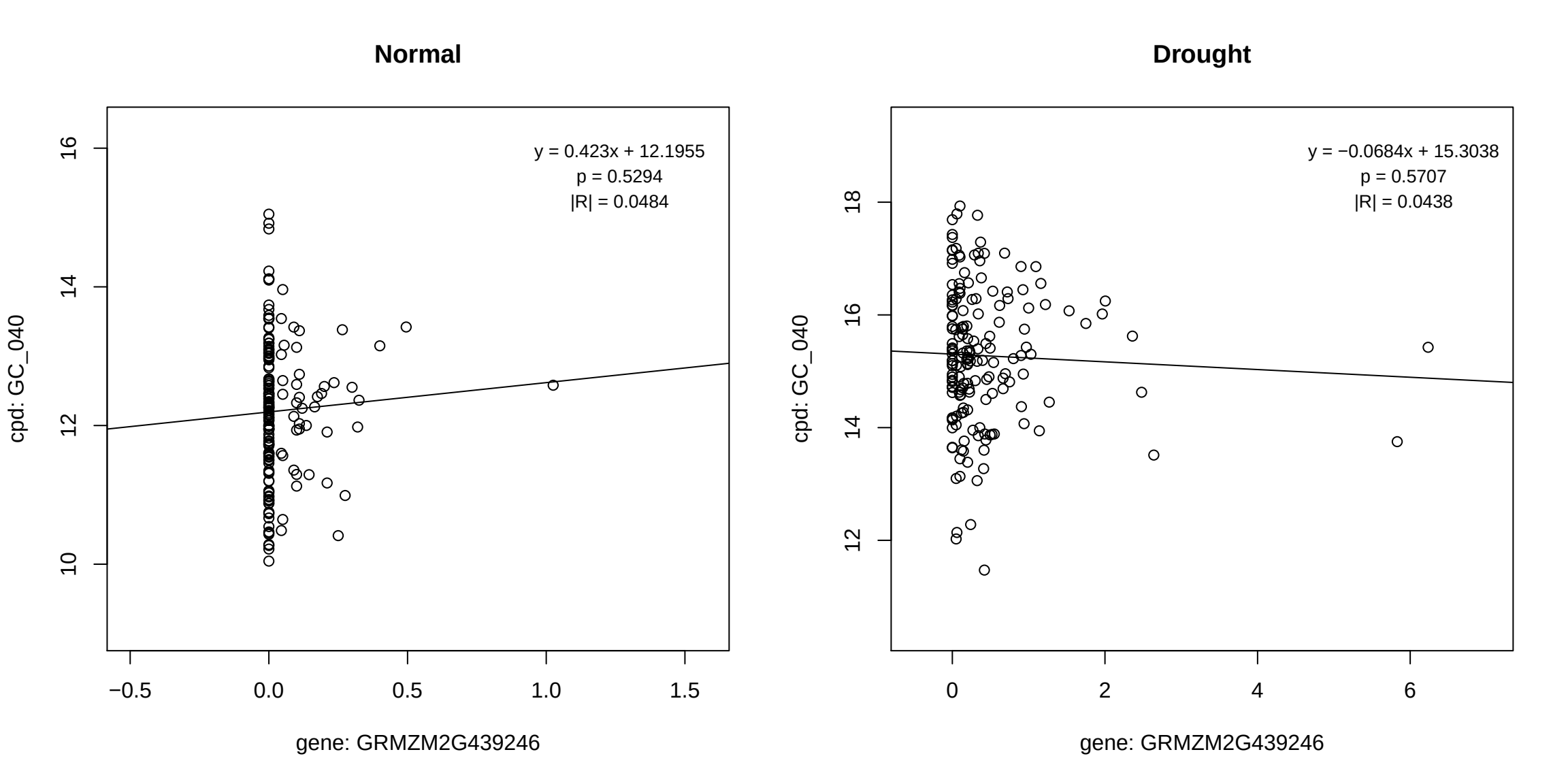

Normal
y = −9.2548x + 15.3526
p = 0.3828
|R| = 0.0672
cpd: GC_069
gene: GRMZM2G134629
drought
cpd: GC_069
gene: GRMZM2G134629

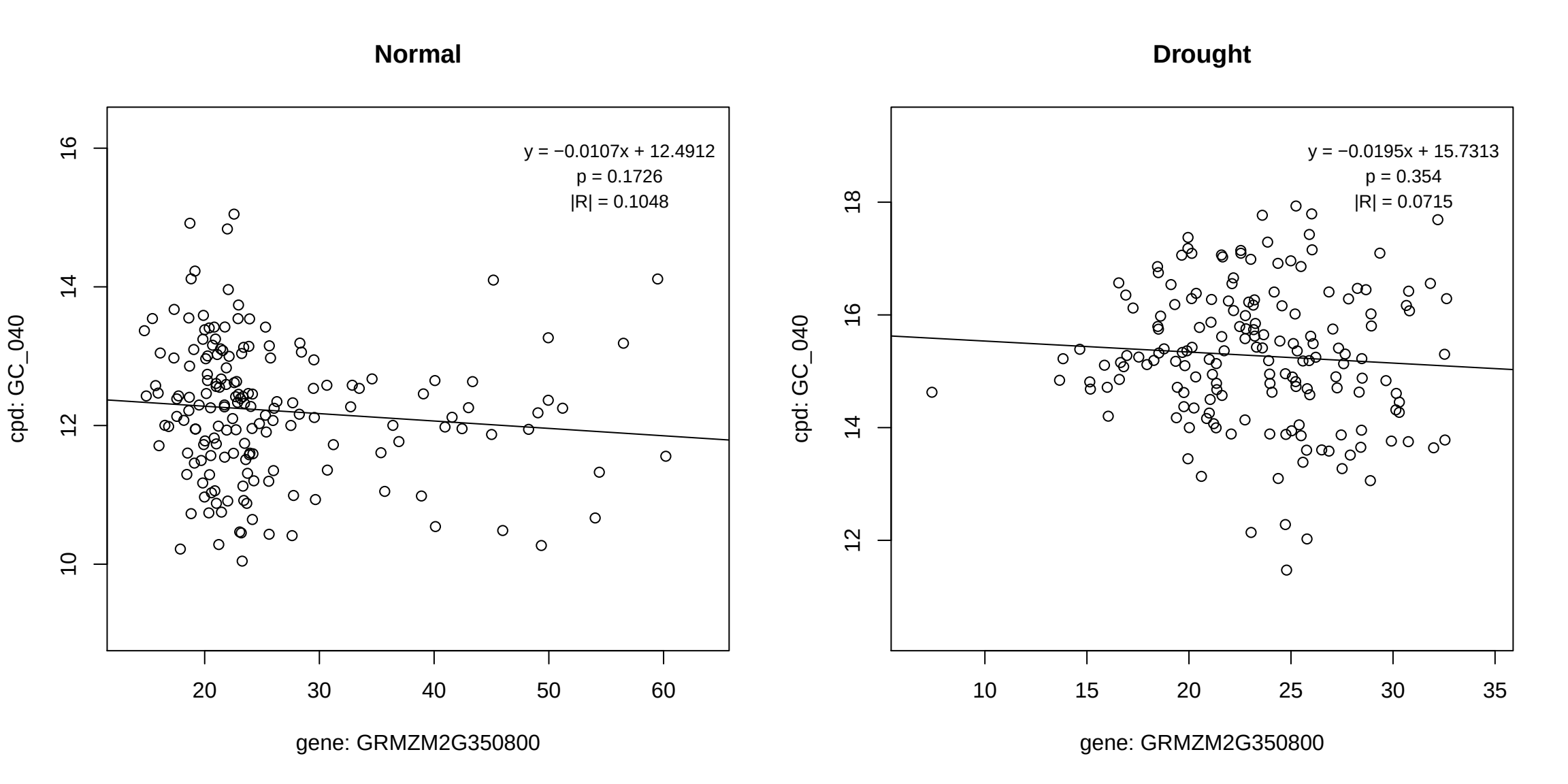

Normal
y = −0.0114x + 15.6367
p = 0.0969
|R| = 0.1273
cpd: GC_069
gene: GRMZM2G013196
Drought
y = −0.0086x + 15.7459
p = 0.1777
|R| = 0.1036
cpd: GC_069
gene: GRMZM2G013196

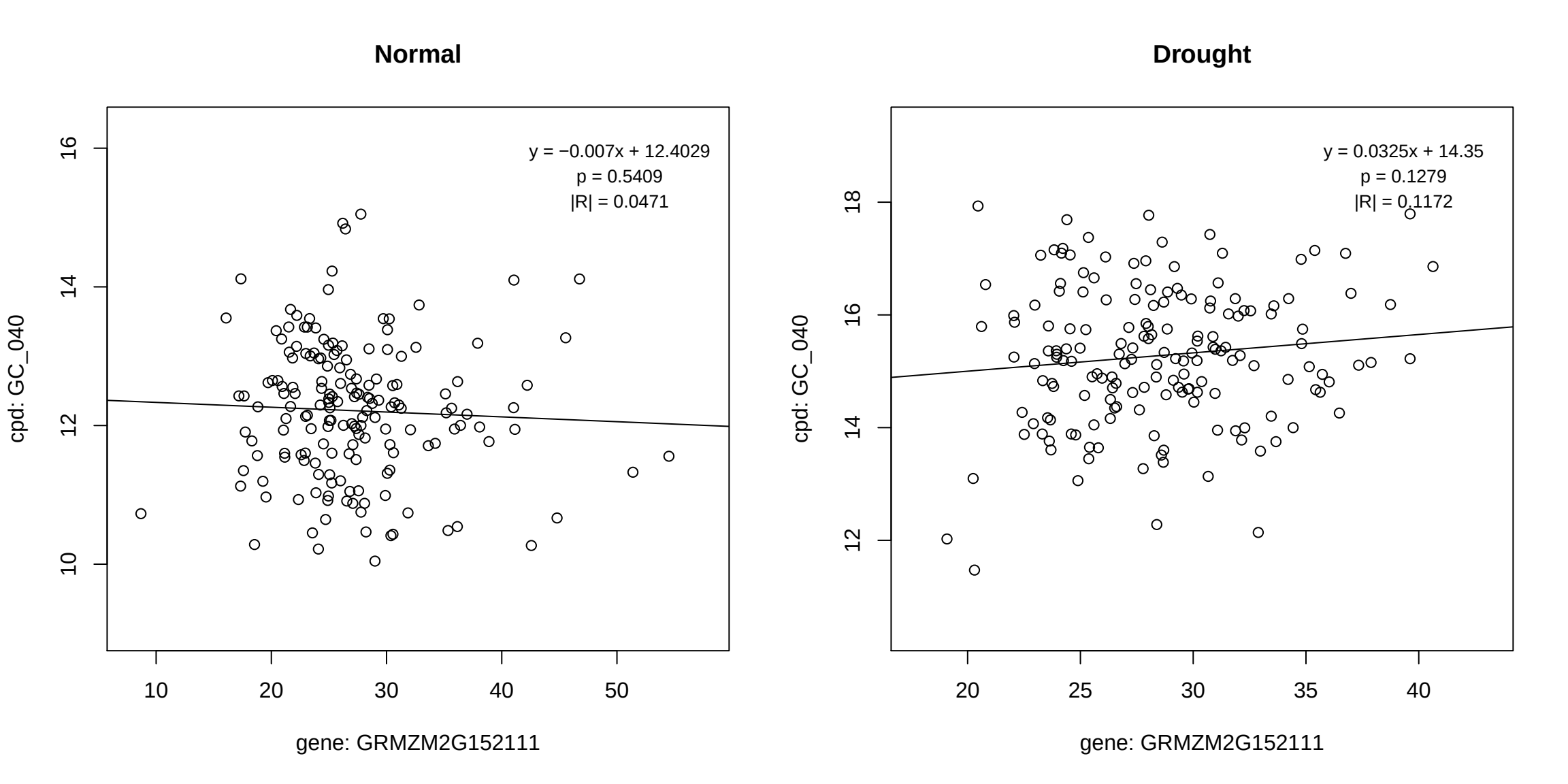

Normal
y = −0.0301x + 15.6678
p = 0.1266
|R| = 0.1173
cpd: GC_069
gene: GRMZM2G048205
Drought
y = −0.0137x + 15.6914
p = 0.471
|R| = 0.0555
cpd: GC_069
gene: GRMZM2G048205

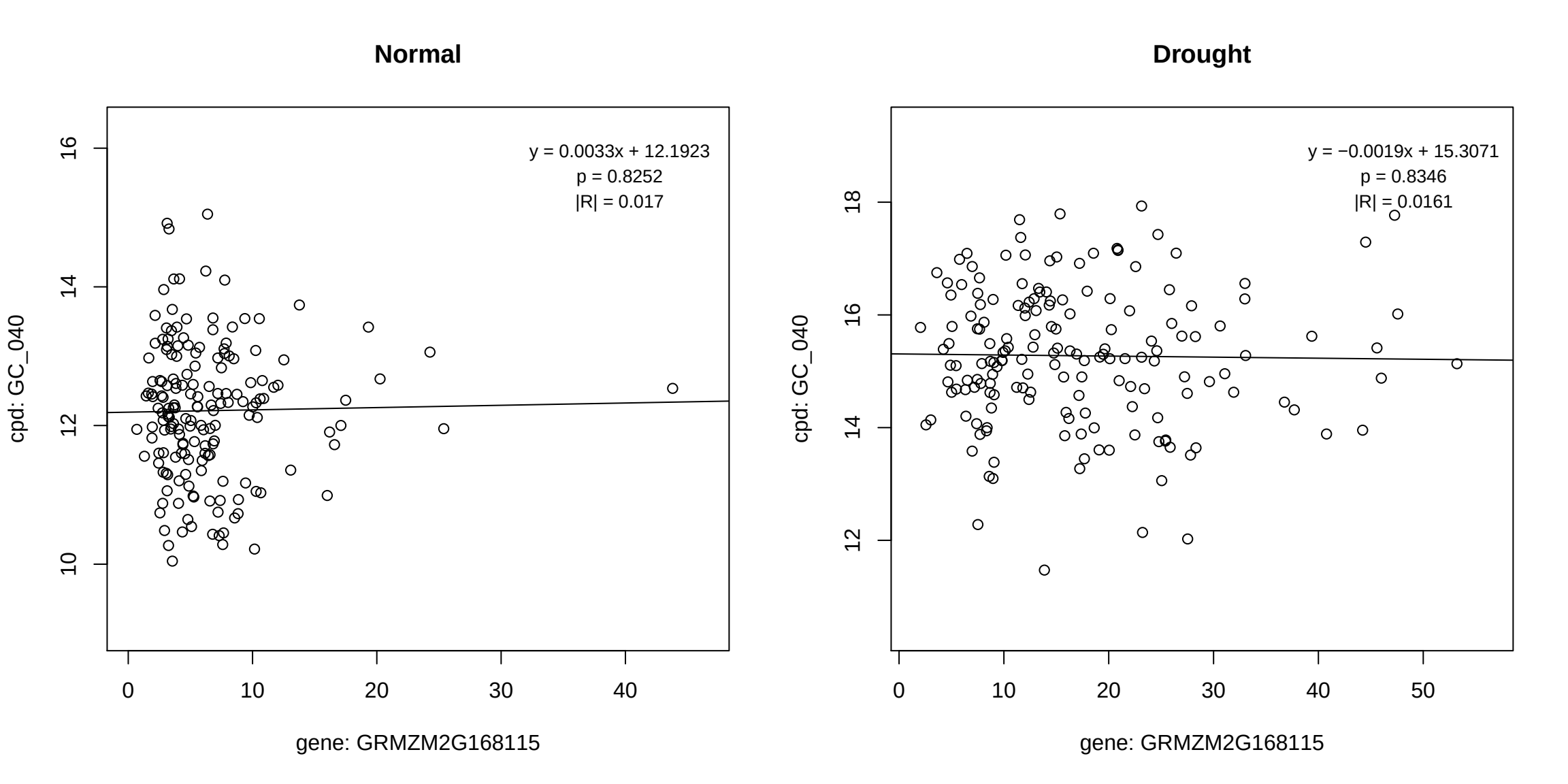

Normal
y = −0.0114x + 15.6367
p = 0.0969
|R| = 0.1273
cpd: GC_069
gene: GRMZM2G012958
Drought
y = −0.0086x + 15.7459
p = 0.1777
|R| = 0.1036
cpd: GC_069
gene: GRMZM2G012958

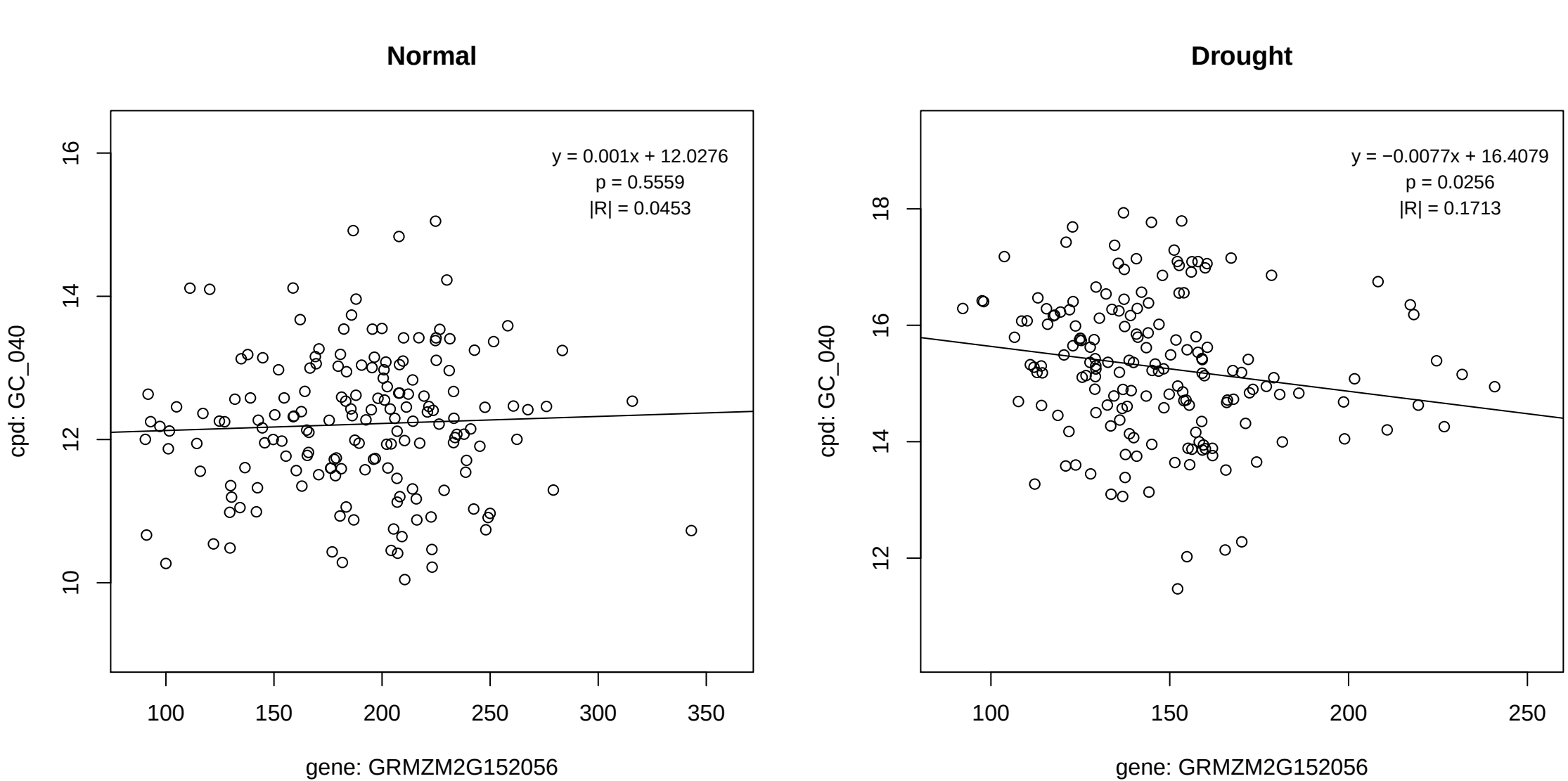

Normal
y = 0.0197x + 15.2685
p = 0.4921
|R| = 0.0529
cpd: GC_069
gene: GRMZM2G012926
Drought
y = 0.0119x + 15.4201
p = 0.4544
|R| = 0.0576
cpd: GC_069
gene: GRMZM2G012926

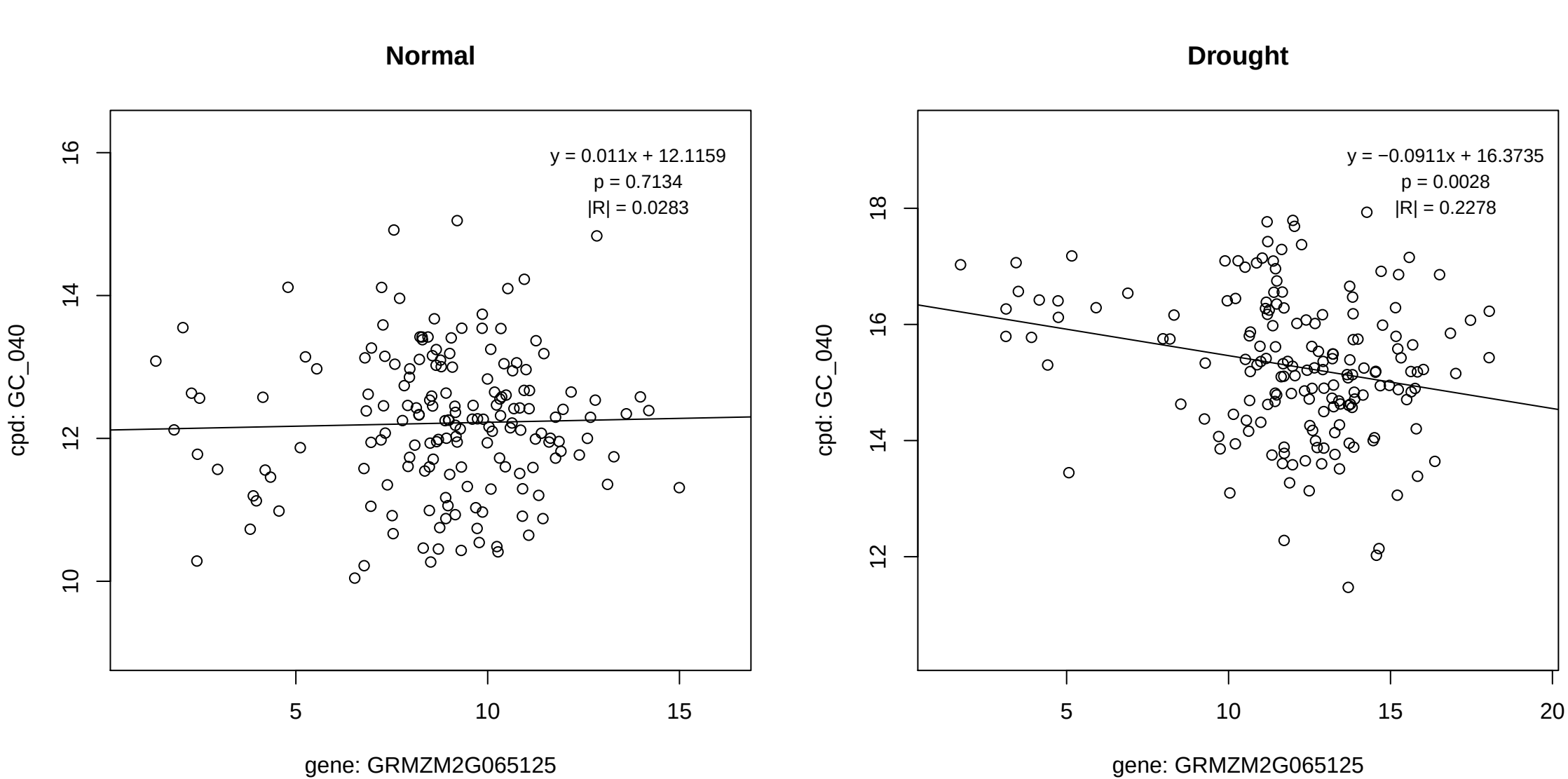

Normal
y = 0.423x + 12.1955
p = 0.5294
|R| = 0.0484
cpd: GC_040
gene: GRMZM2G439246
Drought
y = −0.0684x + 15.3038
p = 0.5707
|R| = 0.0438
cpd: GC_040
gene: GRMZM2G439246

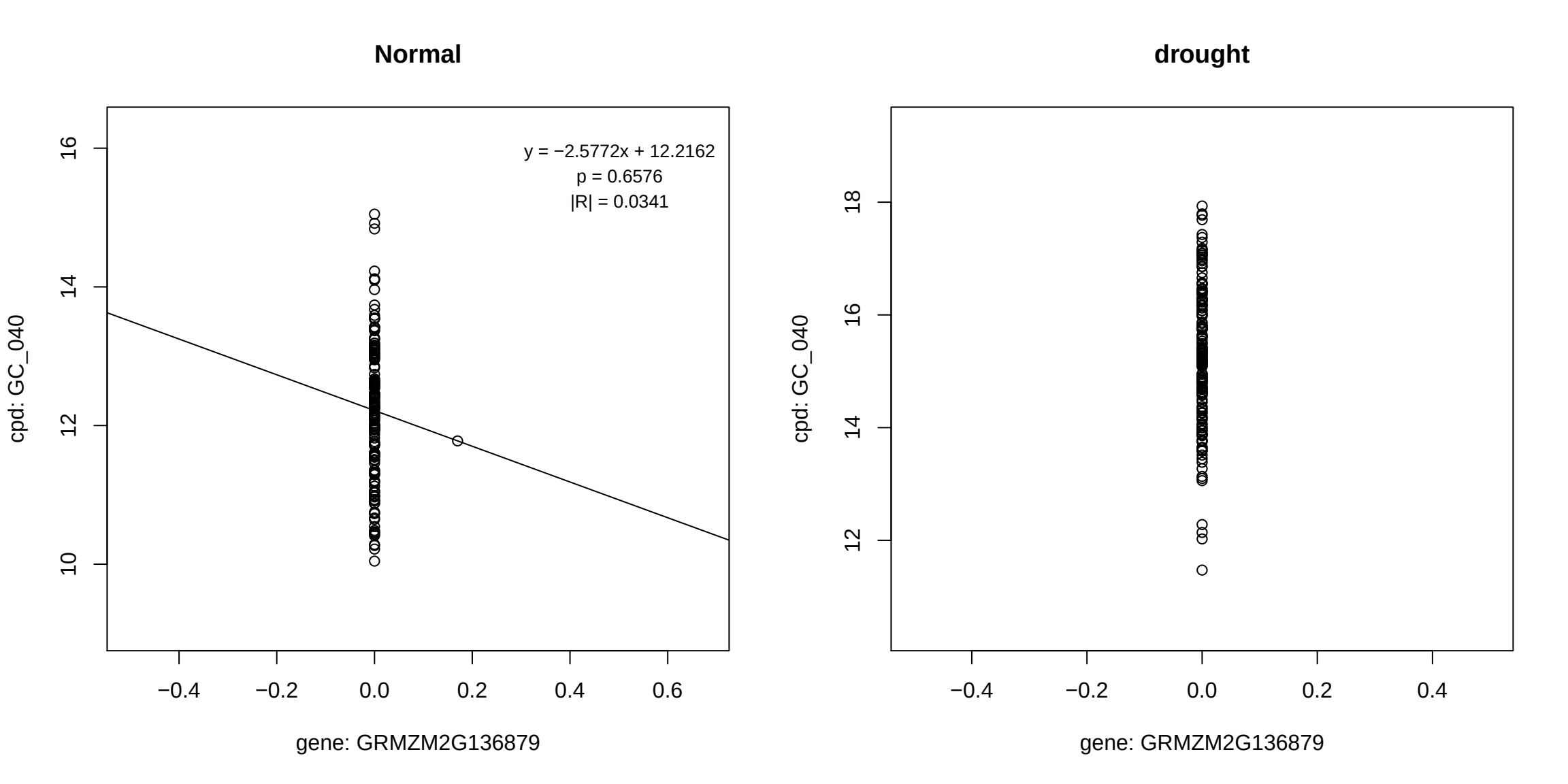

Normal
y = −0.0107x + 12.4912
p = 0.1726
|R| = 0.1048
cpd: GC_040
gene: GRMZM2G350800
Drought
y = −0.0195x + 15.7313
p = 0.354
|R| = 0.0715
cpd: GC_040
gene: GRMZM2G350800

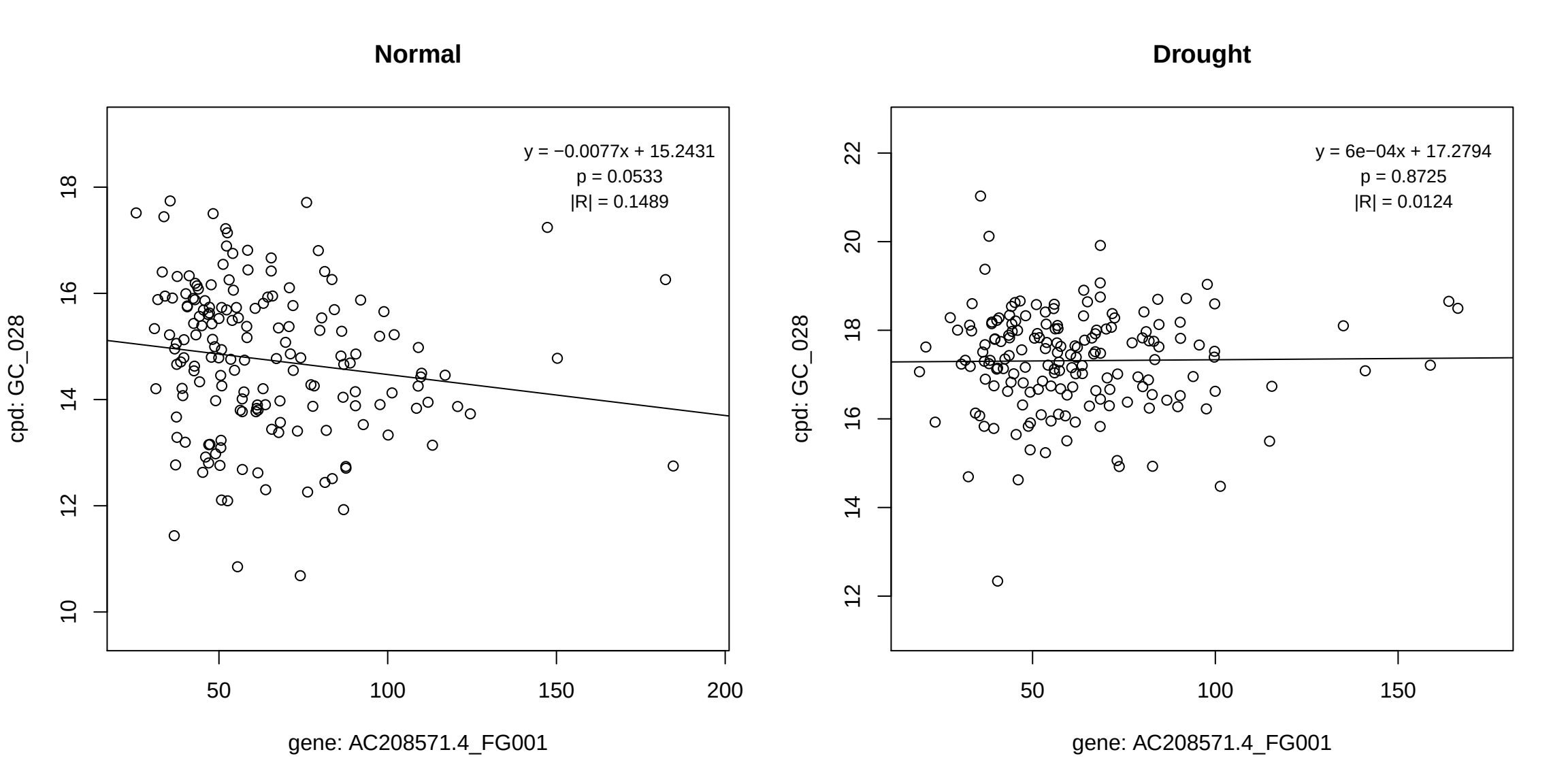

Normal
y = −0.007x + 12.4029
p = 0.5409
|R| = 0.0471
cpd: GC_040
gene: GRMZM2G152111
Drought
y = 0.0325x + 14.35
p = 0.1279
|R| = 0.1172
cpd: GC_040
gene: GRMZM2G152111

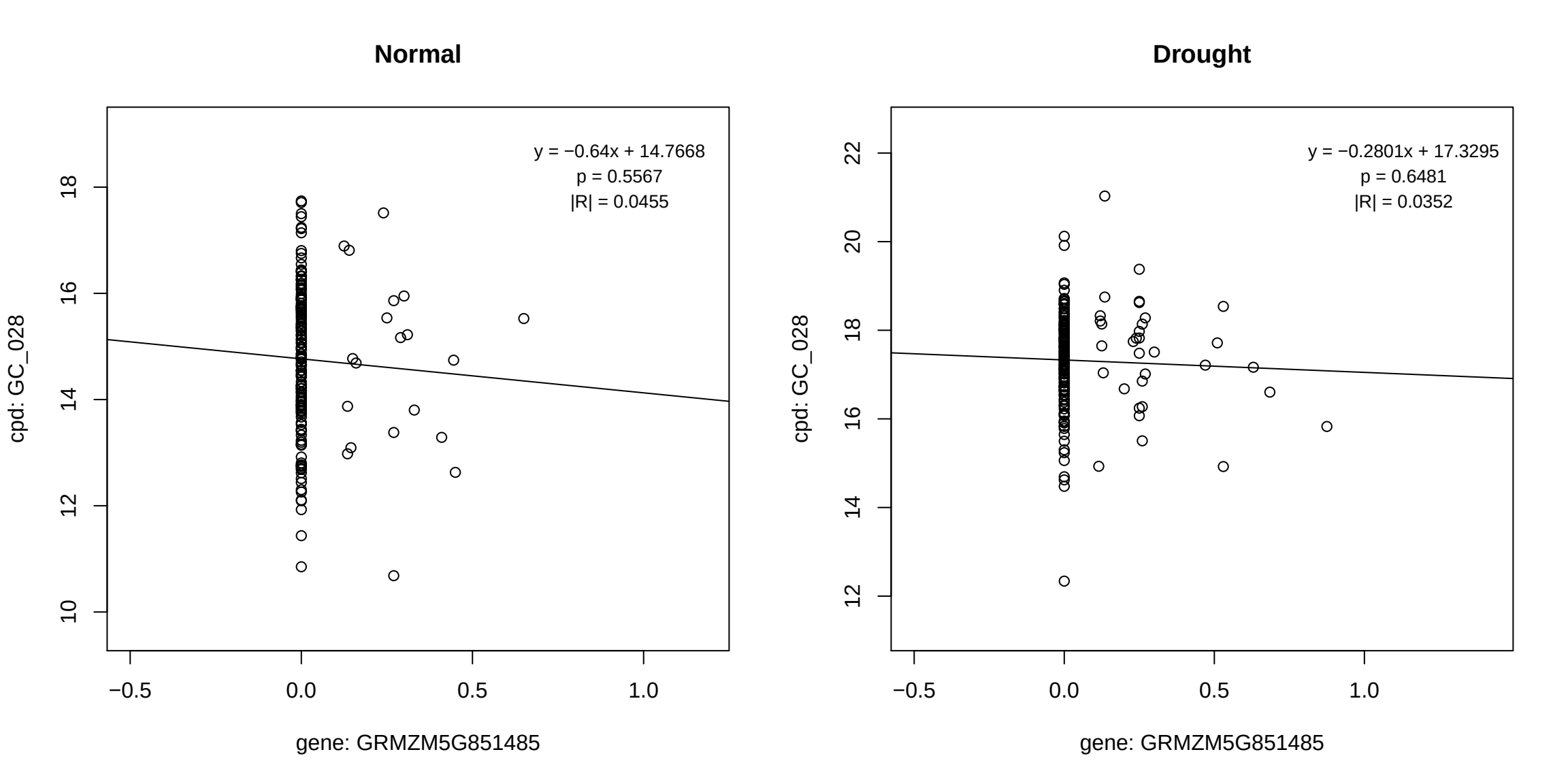

Normal
y = 0.0033x + 12.1923
p = 0.8252
|R| = 0.017
cpd: GC_040
gene: GRMZM2G168115
Drought
y = −0.0019x + 15.3071
p = 0.8346
|R| = 0.0161
cpd: GC_040
gene: GRMZM2G168115

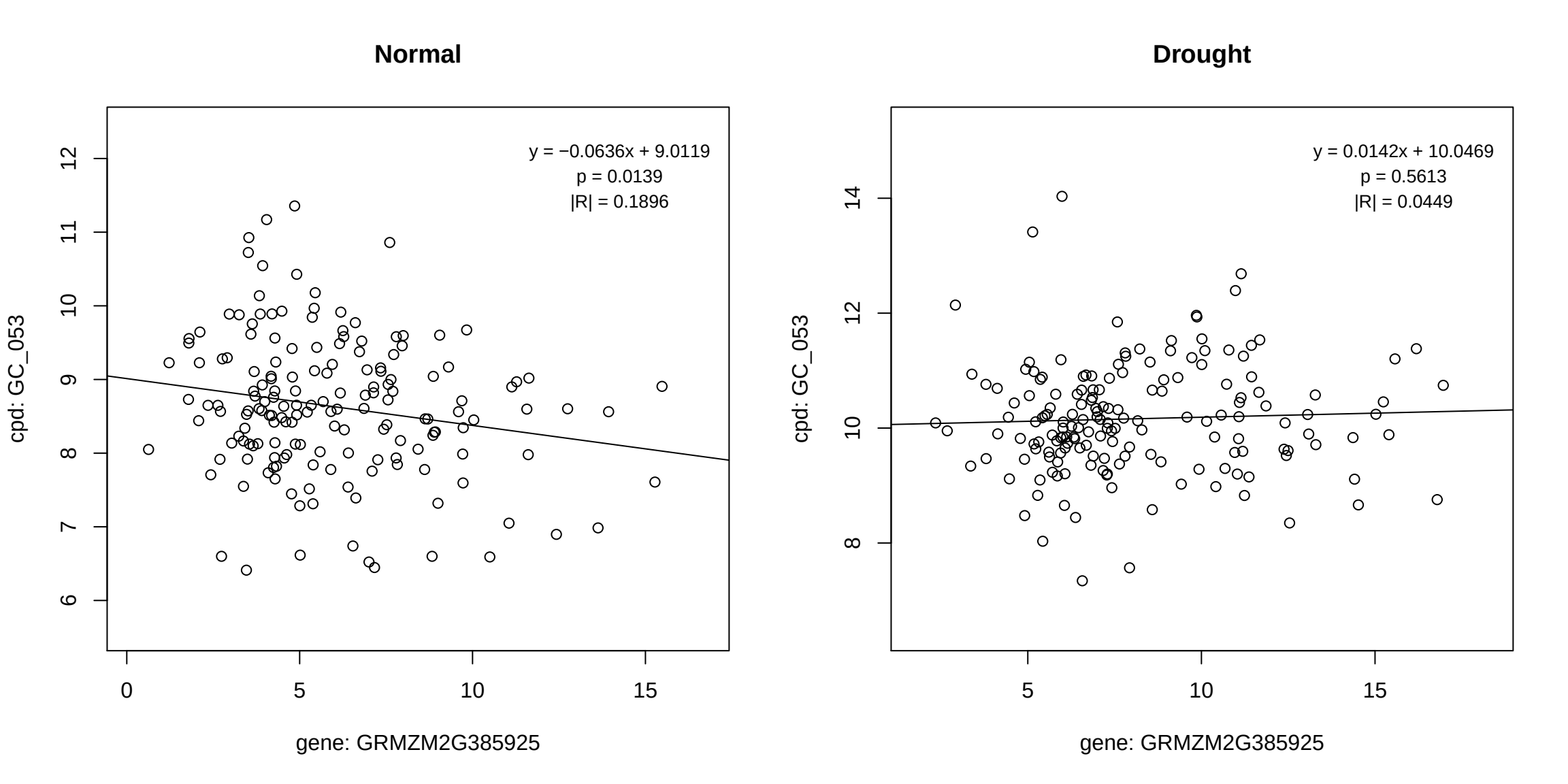

Normal
y = 0.001x + 12.0276
p = 0.5559
|R| = 0.0453
cpd: GC_040
gene: GRMZM2G152056
Drought
y = −0.0077x + 16.4079
p = 0.0256
|R| = 0.1713
cpd: GC_040
gene: GRMZM2G152056

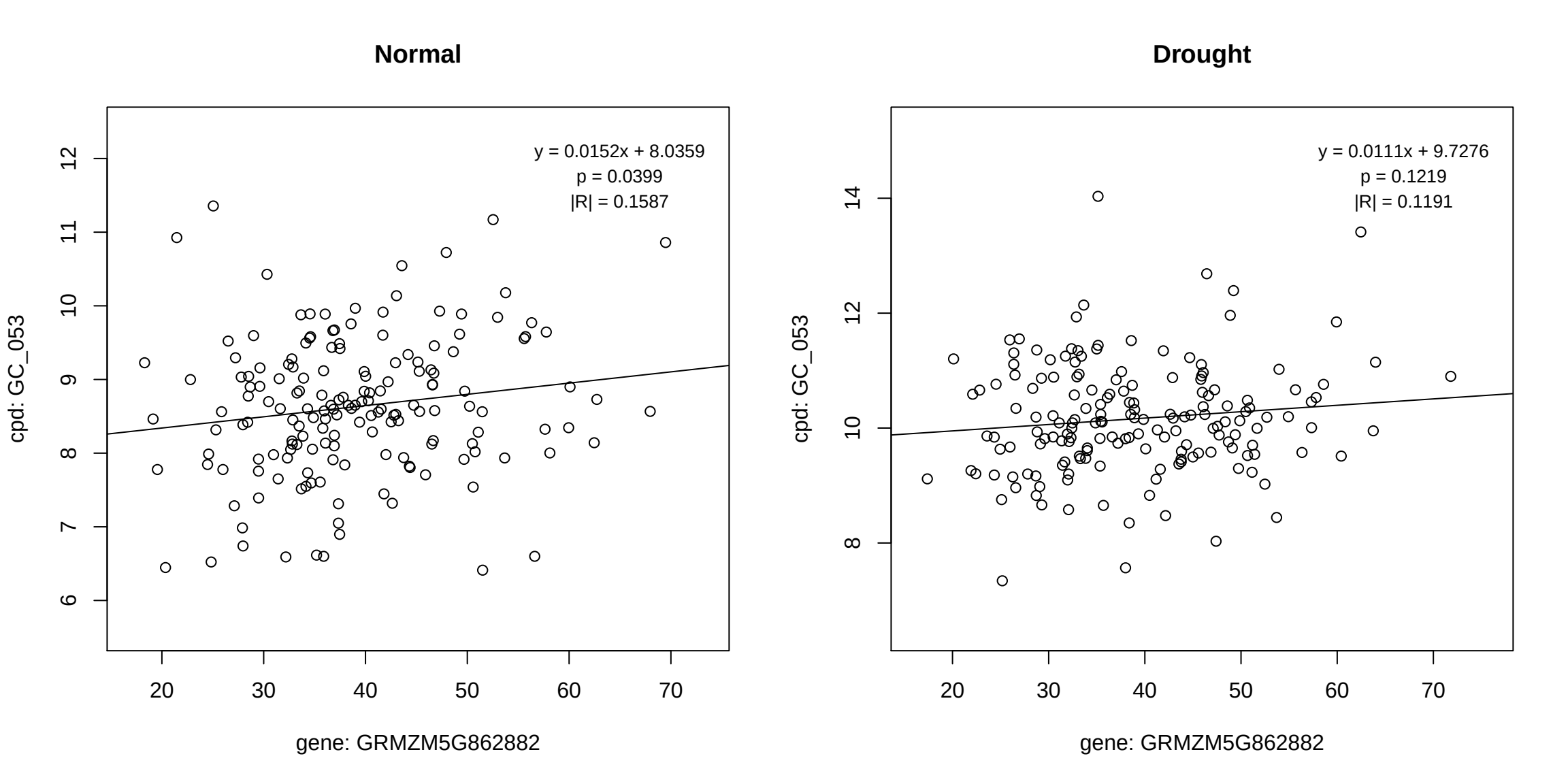

Normal
y = 0.011x + 12.1159
p = 0.7134
|R| = 0.0283
cpd: GC_040
gene: GRMZM2G065125
Drought
y = −0.0911x + 16.3735
p = 0.0028
|R| = 0.2278
cpd: GC_040
gene: GRMZM2G065125

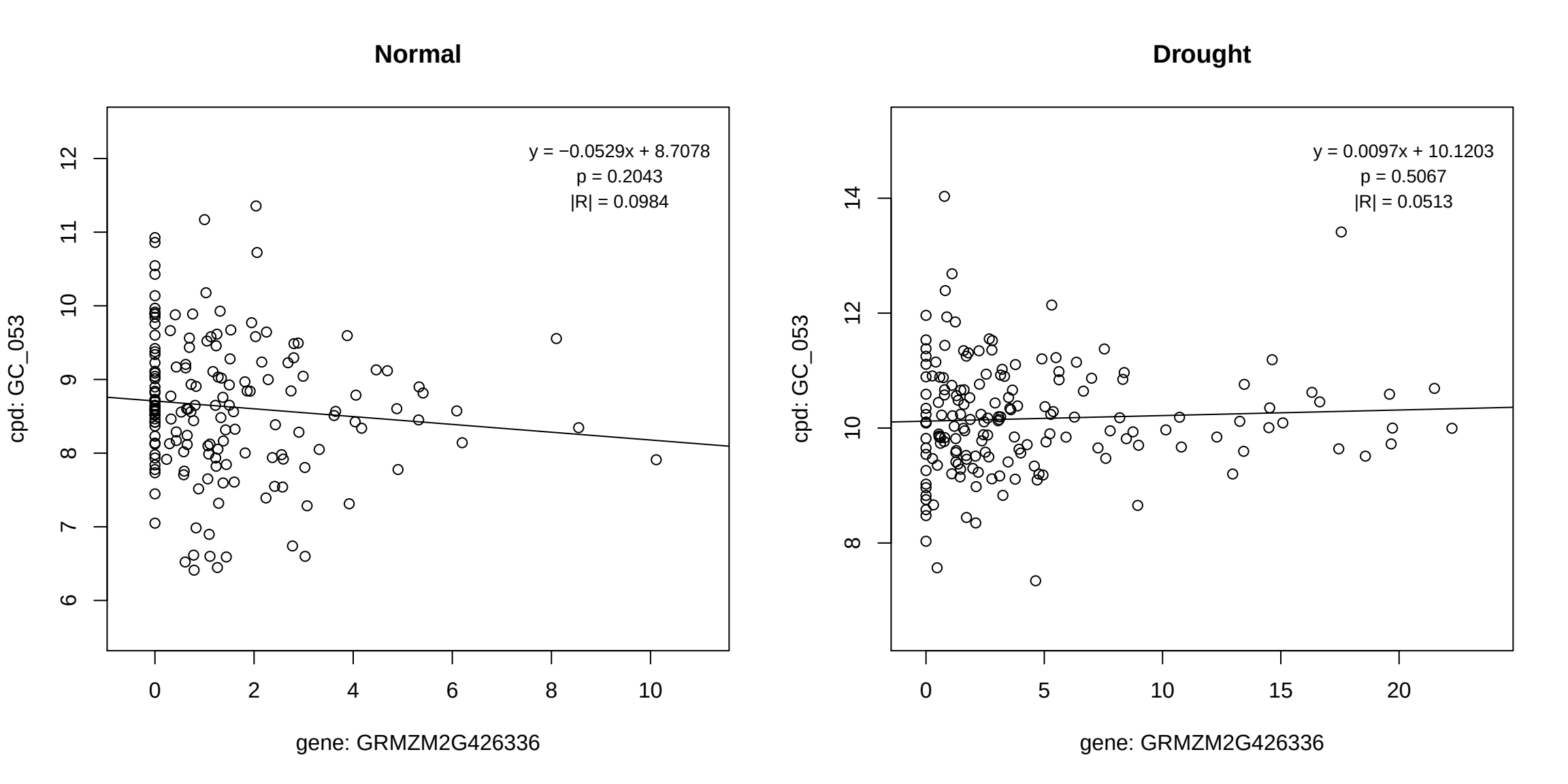

Normal
y = −2.5772x + 12.2162
p = 0.6576
|R| = 0.0341
cpd: GC_040
gene: GRMZM2G136879
drought
cpd: GC_040
gene: GRMZM2G136879

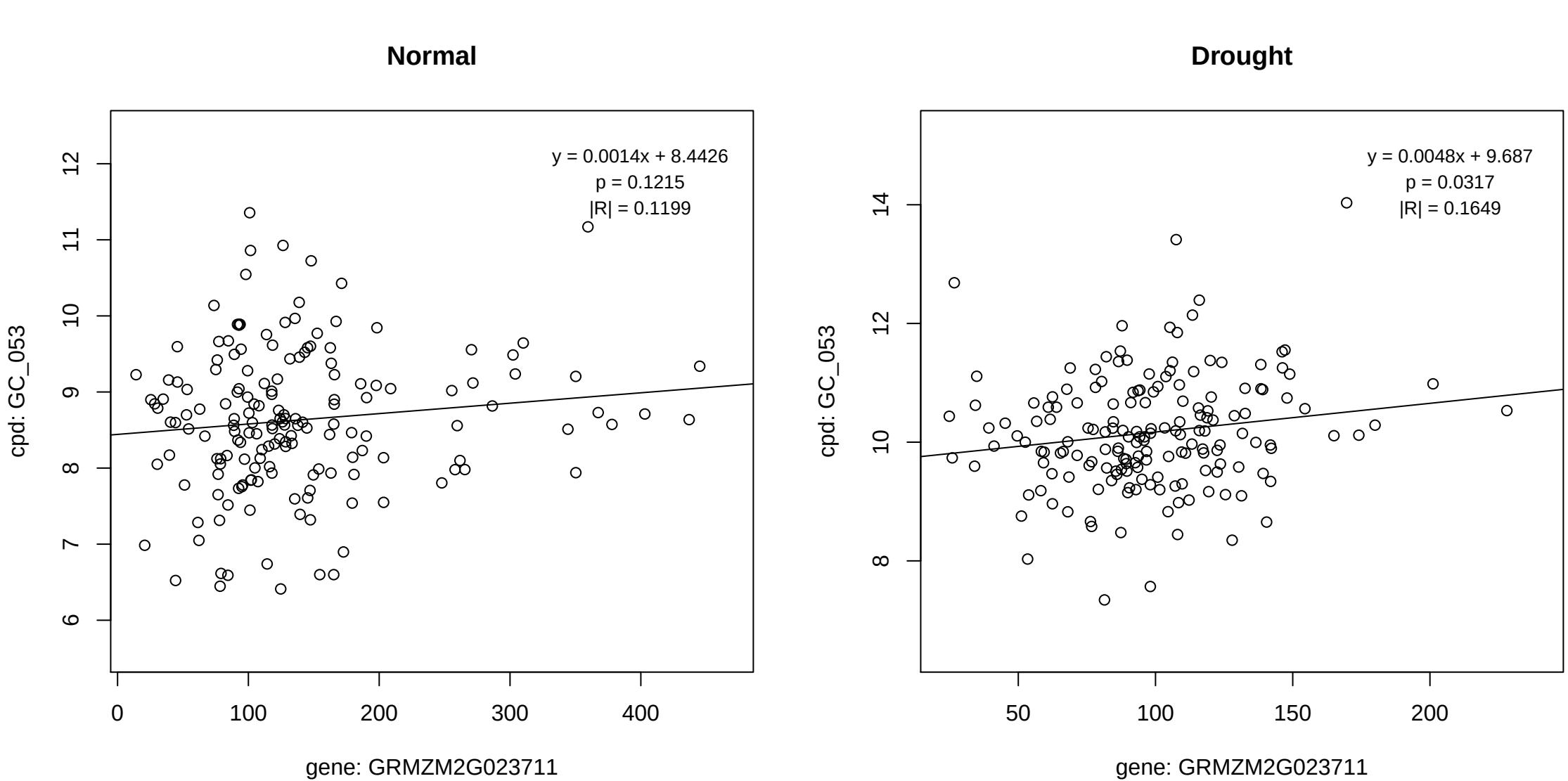

Normal
y = −0.0077x + 15.2431
p = 0.0533
|R| = 0.1489
cpd: GC_028
gene: AC208571.4_FG001
Drought
y = 6e−04x + 17.2794
p = 0.8725
|R| = 0.0124
cpd: GC_028
gene: AC208571.4_FG001

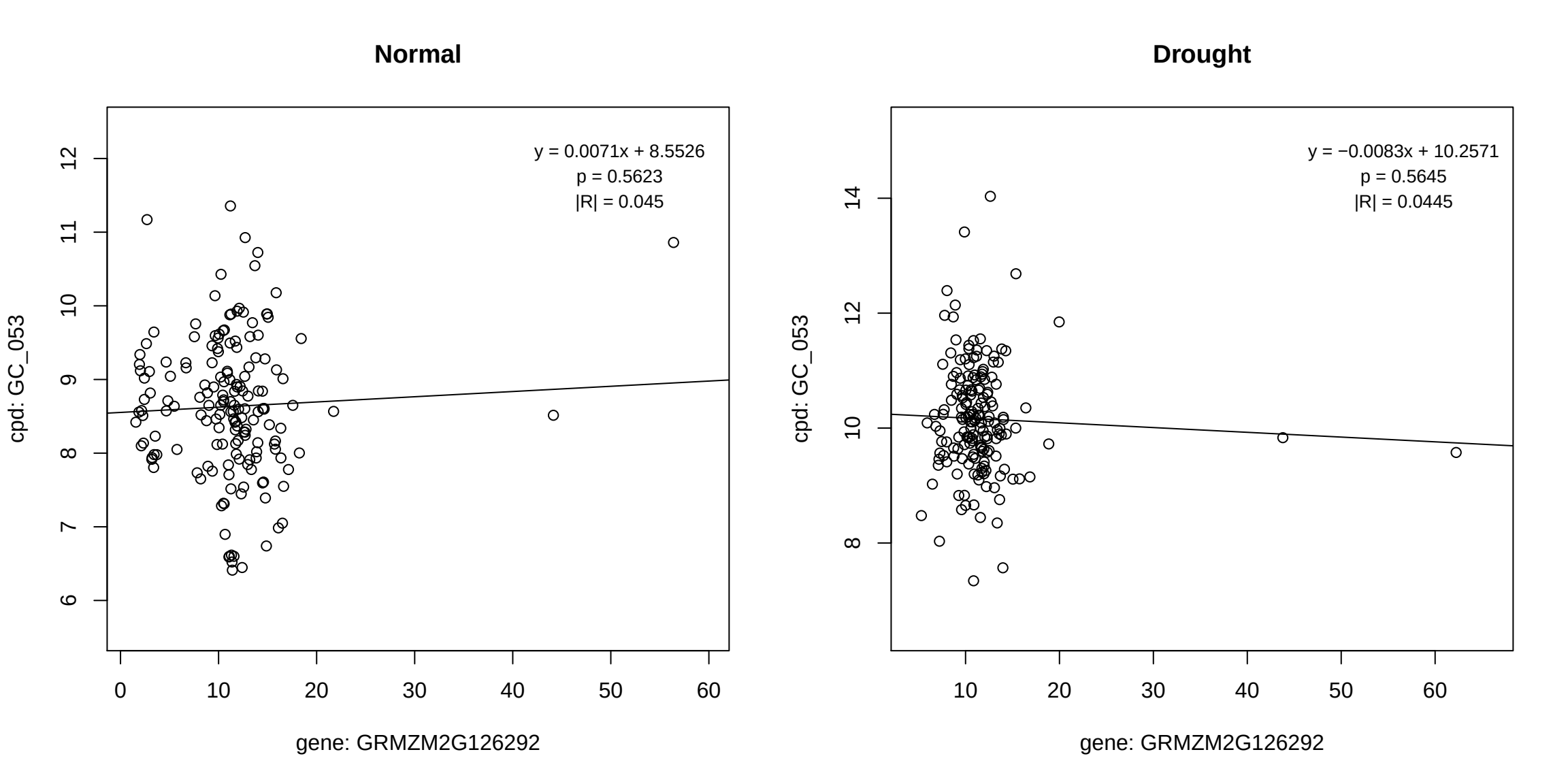

Normal
y = −0.64x + 14.7668
p = 0.5567
|R| = 0.0455
cpd: GC_028
gene: GRMZM5G851485
Drought
y = −0.2801x + 17.3295
p = 0.6481
|R| = 0.0352
cpd: GC_028
gene: GRMZM5G851485

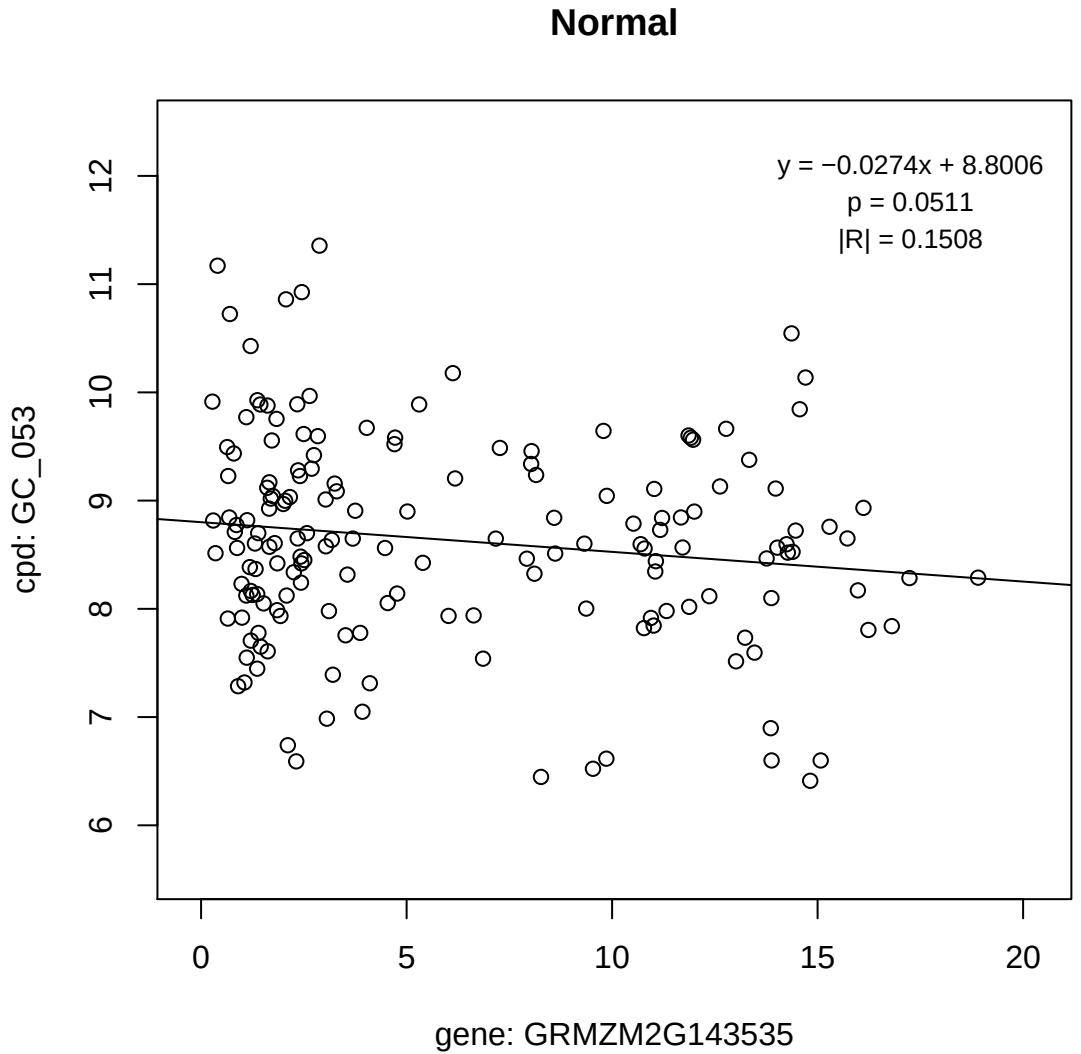

Normal
y = −0.0636x + 9.0119
p = 0.0139
|R| = 0.1896
cpd: GC_053
gene: GRMZM2G385925
Drought
y = 0.0142x + 10.0469
p = 0.5613
|R| = 0.0449
cpd: GC_053
gene: GRMZM2G385925

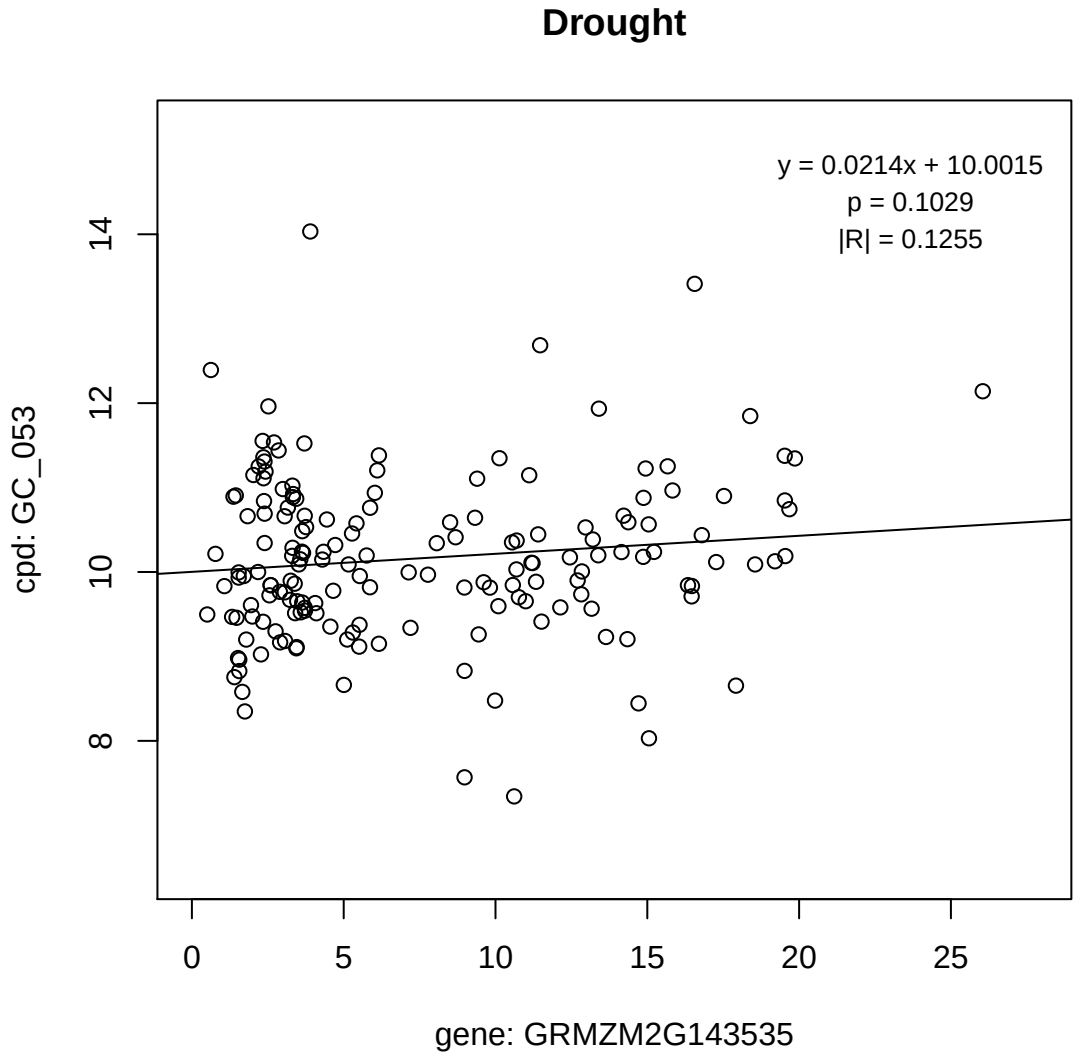

Normal
y = 0.0152x + 8.0359
p = 0.0399
|R| = 0.1587
cpd: GC_053
gene: GRMZM5G862882
Drought
y = 0.0111x + 9.7276
p = 0.1219
|R| = 0.1191
cpd: GC_053
gene: GRMZM5G862882

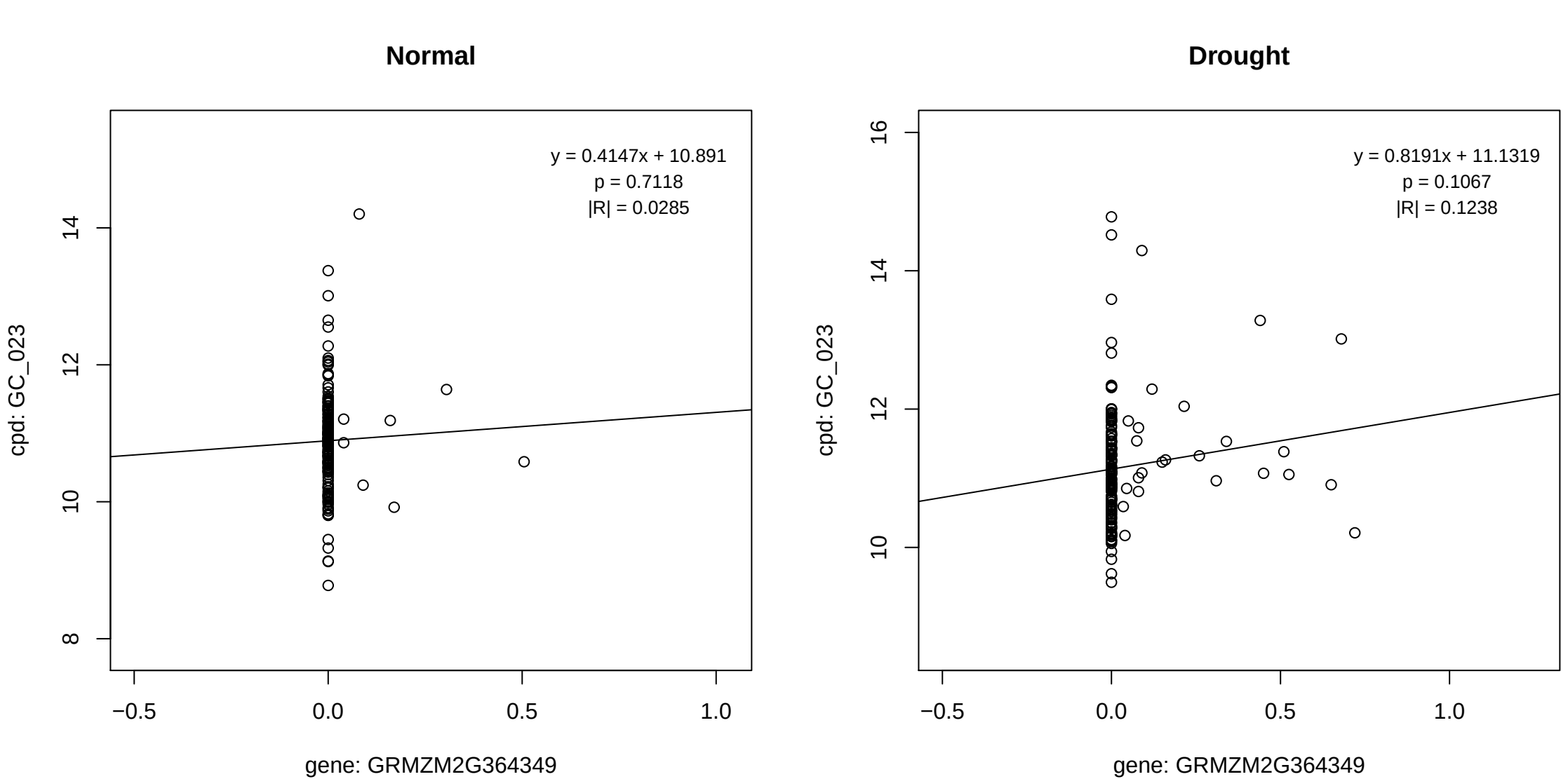

Normal
y = −0.0529x + 8.7078
p = 0.2043
|R| = 0.0984
cpd: GC_053
gene: GRMZM2G426336
Drought
y = 0.0097x + 10.1203
p = 0.5067
|R| = 0.0513
cpd: GC_053
gene: GRMZM2G426336

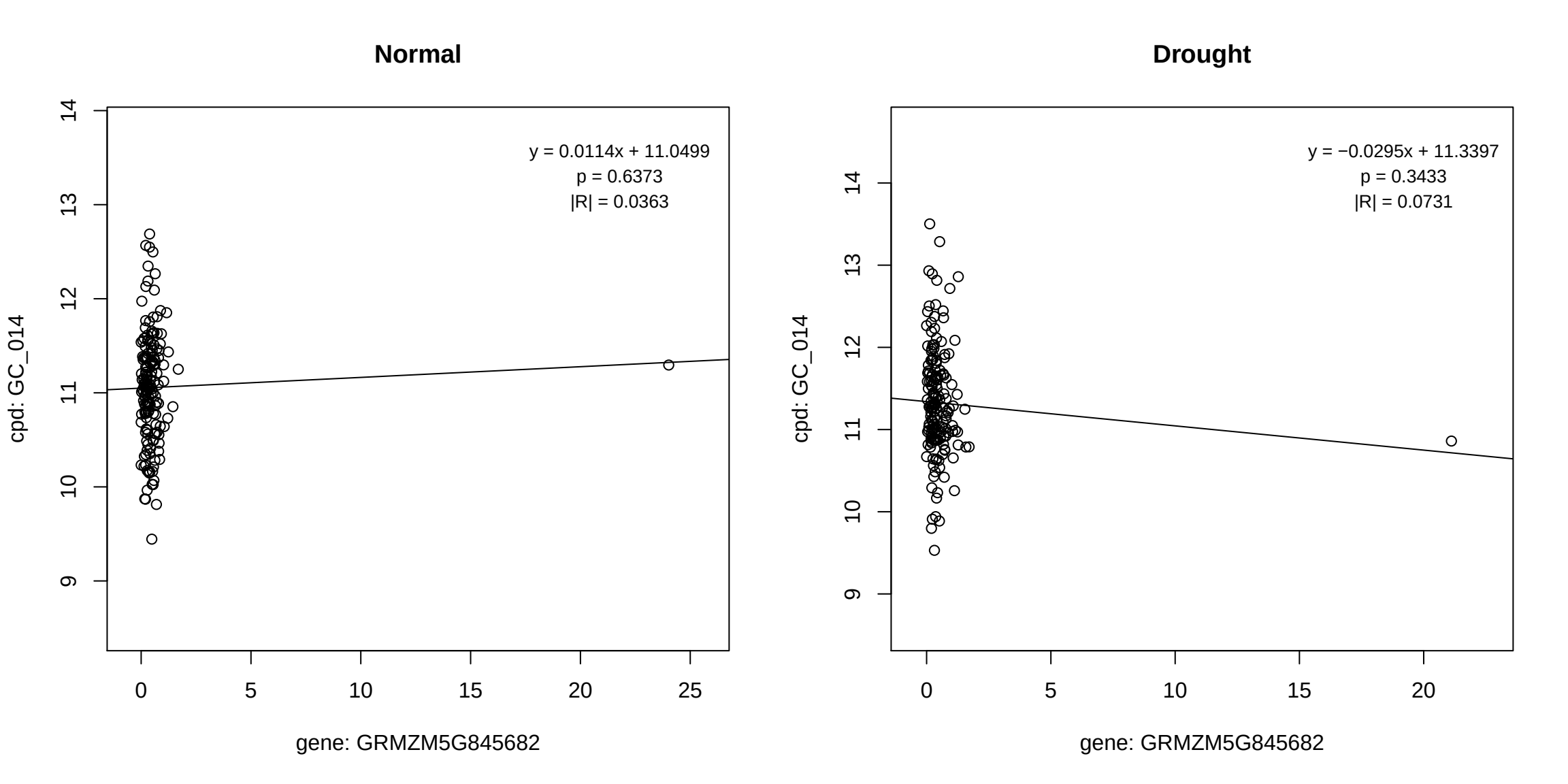

Normal
y = 0.0014x + 8.4426
p = 0.1215
|R| = 0.1199
cpd: GC_053
gene: GRMZM2G023711
Drought
y = 0.0048x + 9.687
p = 0.0317
|R| = 0.1649
cpd: GC_053
gene: GRMZM2G023711

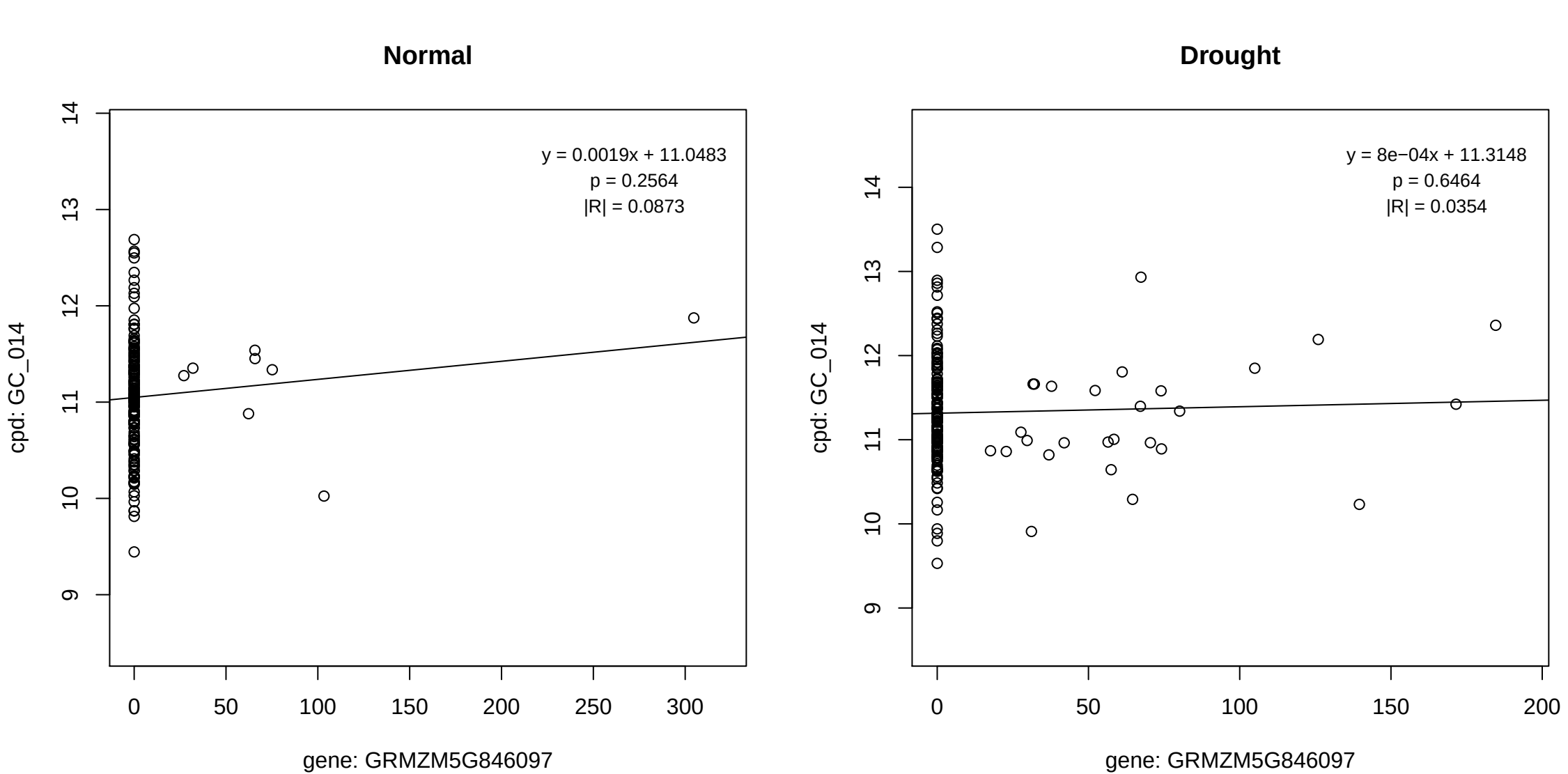

Normal
y = 0.0071x + 8.5526
p = 0.5623
|R| = 0.045
cpd: GC_053
gene: GRMZM2G126292
Drought
y = −0.0083x + 10.2571
p = 0.5645
|R| = 0.0445
cpd: GC_053
gene: GRMZM2G126292

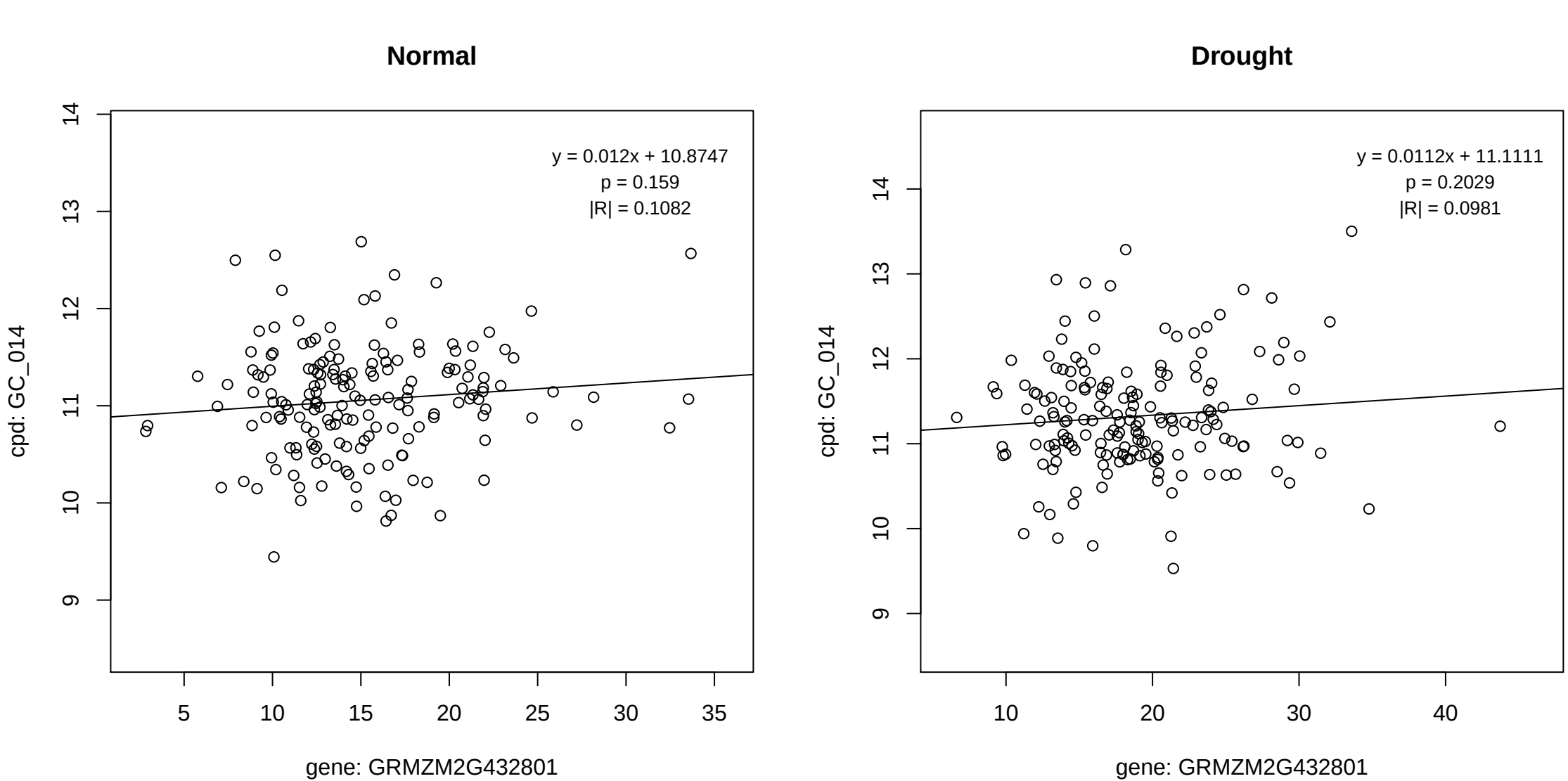

Normal
y = −0.0274x + 8.8006
p = 0.0511
|R| = 0.1508
cpd: GC_053
gene: GRMZM2G143535
6
7
8
9
10
11
12
0
5
10
15
20

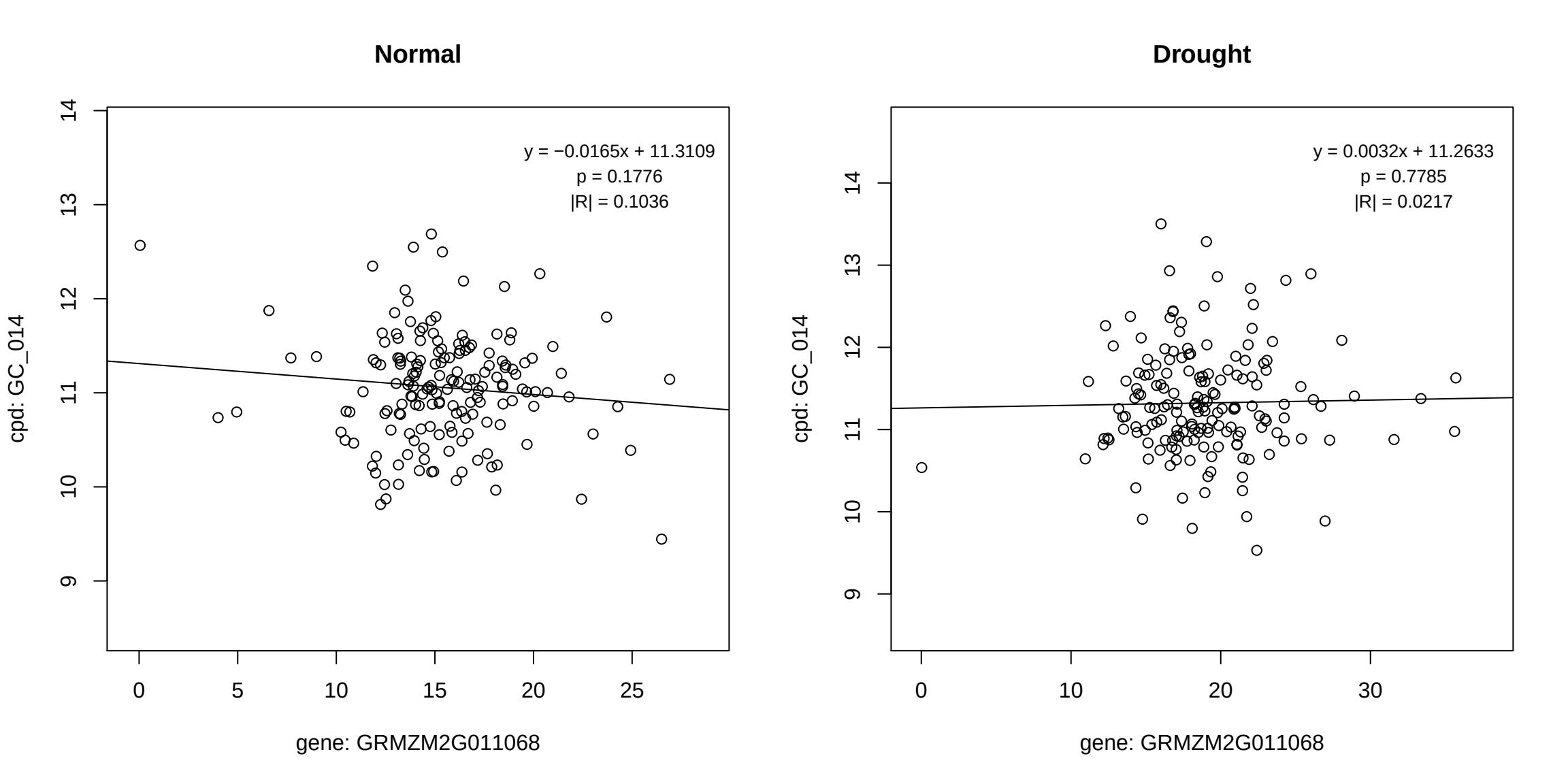

Drought
y = 0.0214x + 10.0015
p = 0.1029
|R| = 0.1255
cpd: GC_053
gene: GRMZM2G143535
8
10
12
14
0
5
10
15
20
25

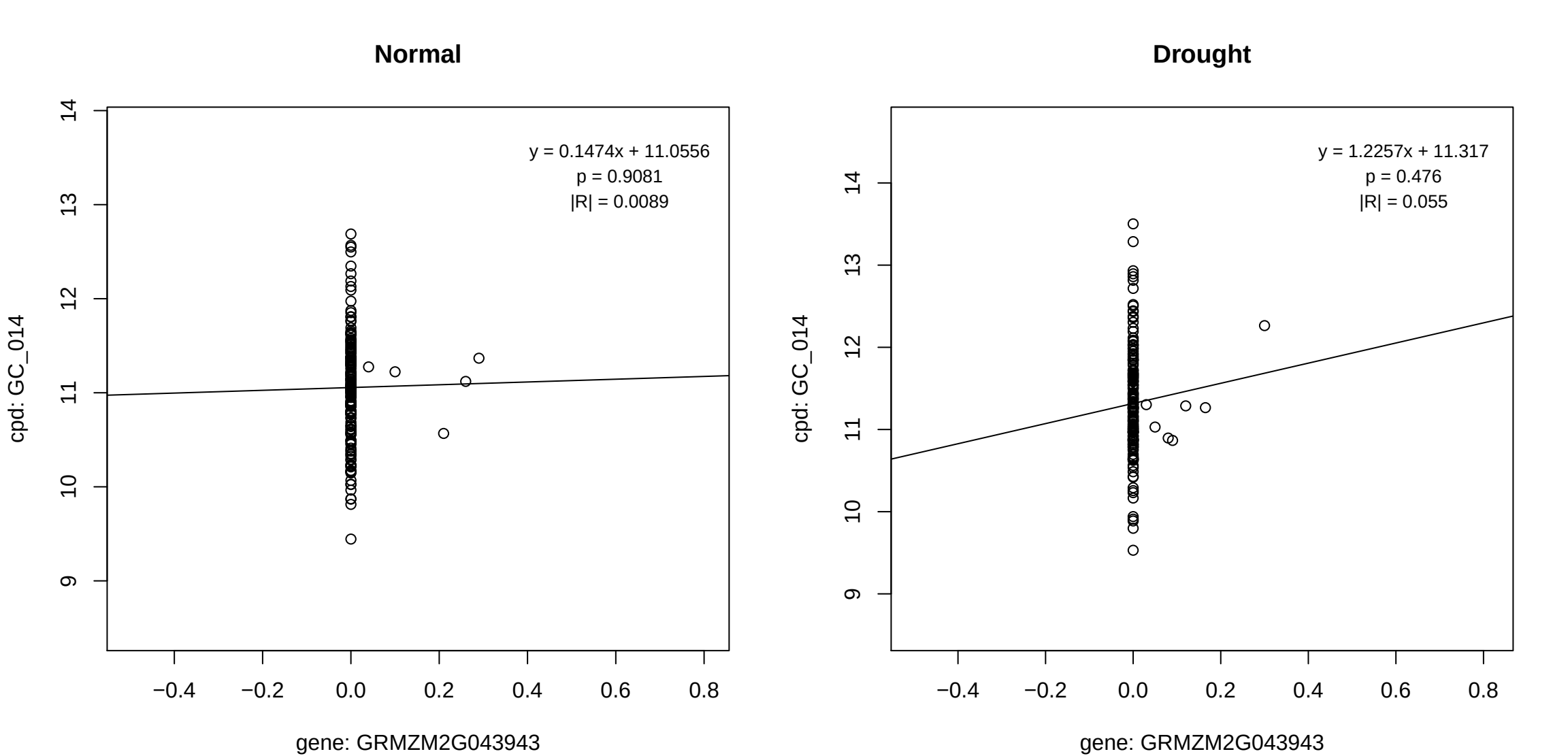

Normal
y = 0.4147x + 10.891
p = 0.7118
|R| = 0.0285
cpd: GC_023
gene: GRMZM2G364349
Drought
y = 0.8191x + 11.1319
p = 0.1067
|R| = 0.1238
cpd: GC_023
gene: GRMZM2G364349

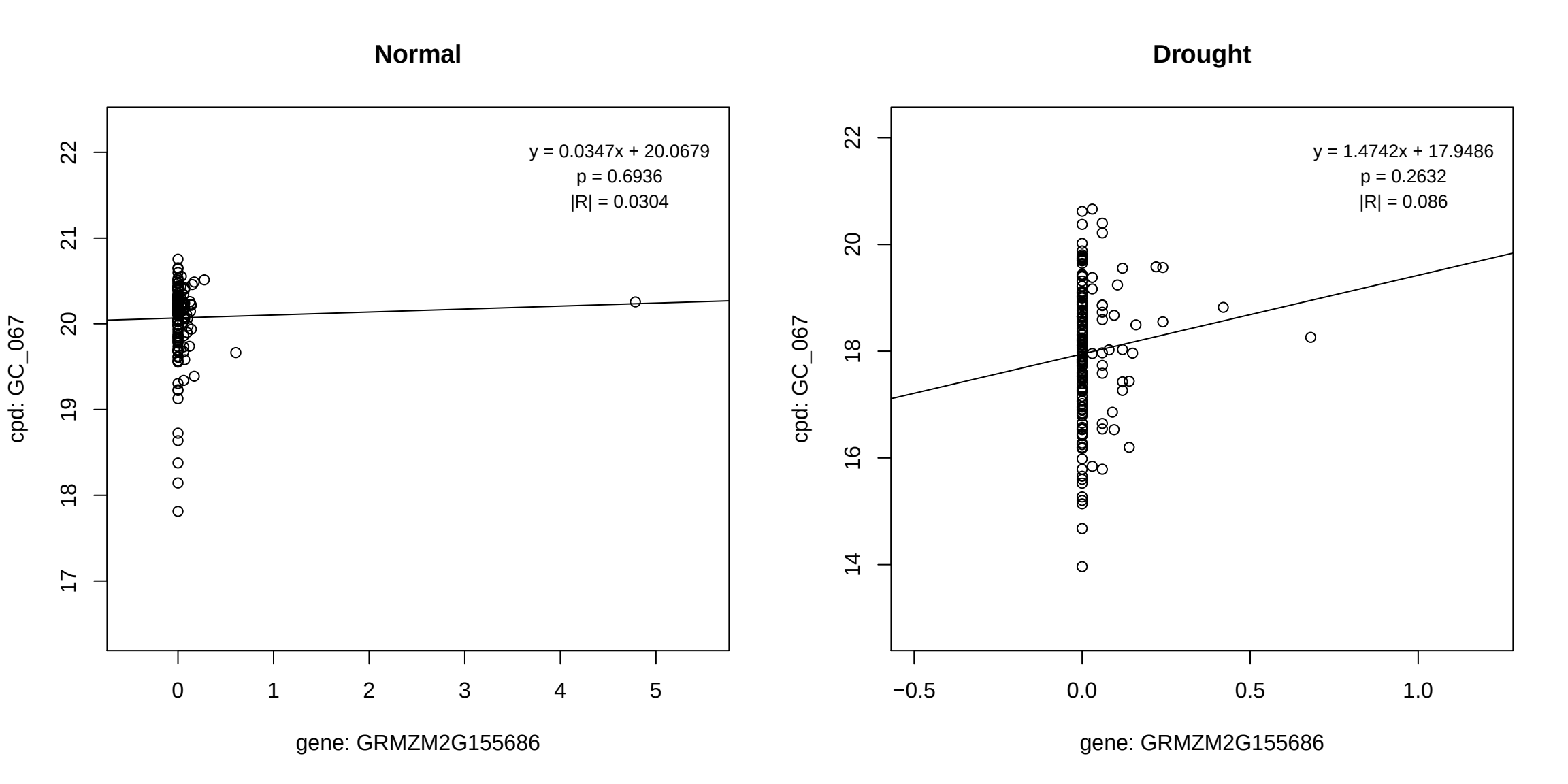

Normal
y = 0.0114x + 11.0499
p = 0.6373
|R| = 0.0363
cpd: GC_014
gene: GRMZM5G845682
Drought
y = −0.0295x + 11.3397
p = 0.3433
|R| = 0.0731
cpd: GC_014
gene: GRMZM5G845682

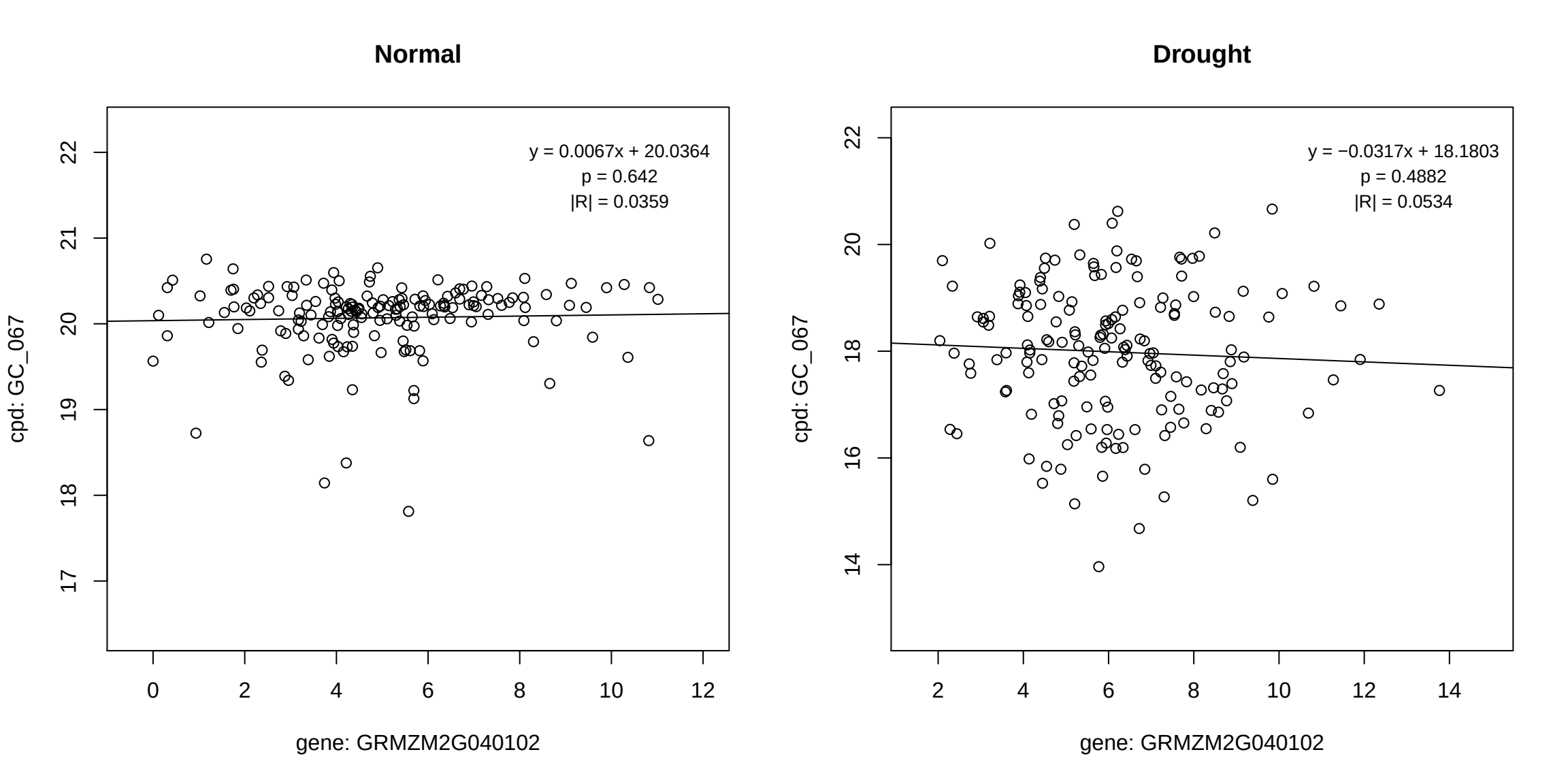

Normal
y = 0.0019x + 11.0483
p = 0.2564
|R| = 0.0873
cpd: GC_014
gene: GRMZM5G846097
Drought
y = 8e−04x + 11.3148
p = 0.6464
|R| = 0.0354
cpd: GC_014
gene: GRMZM5G846097

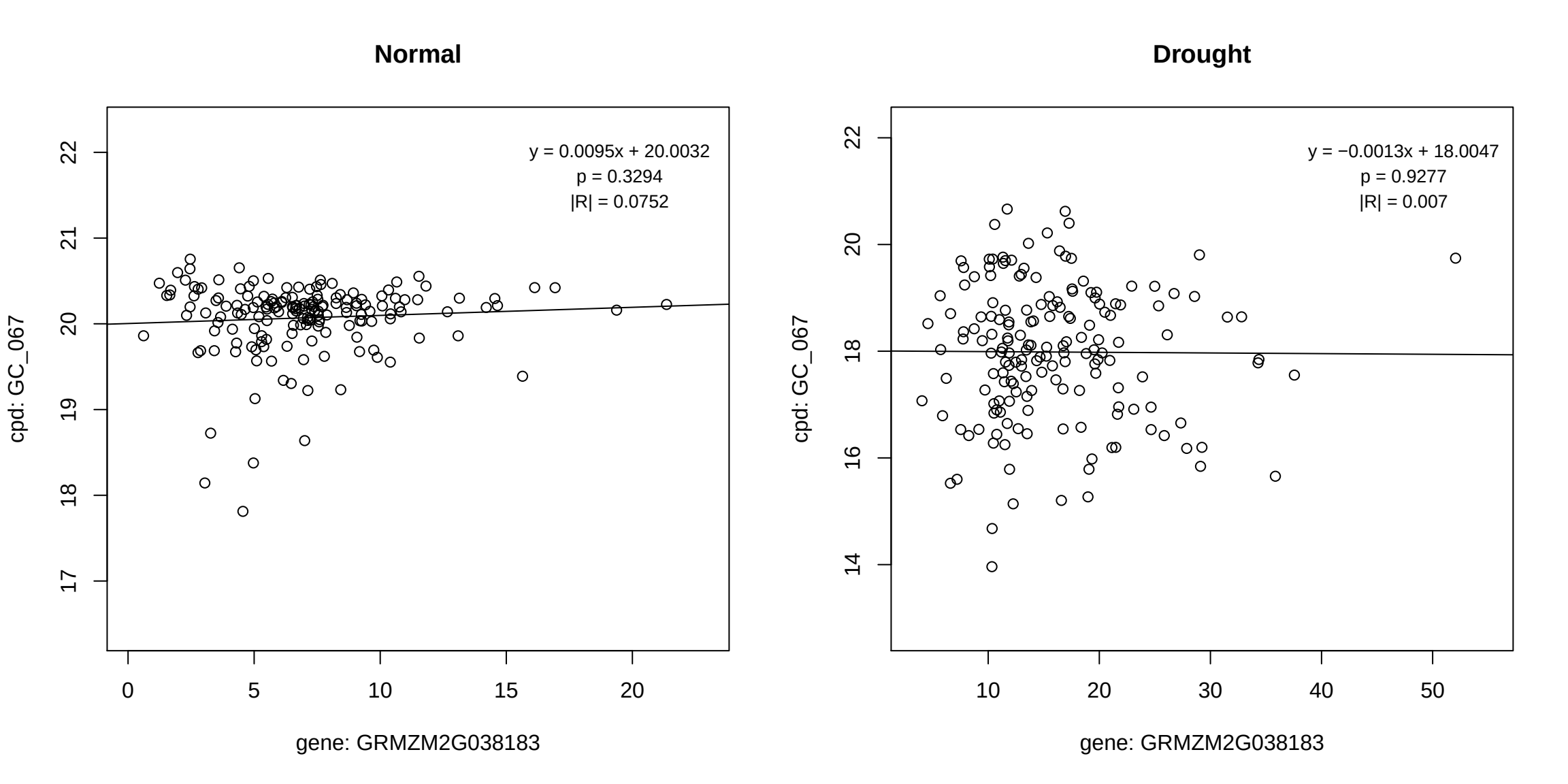

Normal
y = 0.012x + 10.8747
p = 0.159
|R| = 0.1082
cpd: GC_014
gene: GRMZM2G432801
Drought
y = 0.0112x + 11.1111
p = 0.2029
|R| = 0.0981
cpd: GC_014
gene: GRMZM2G432801

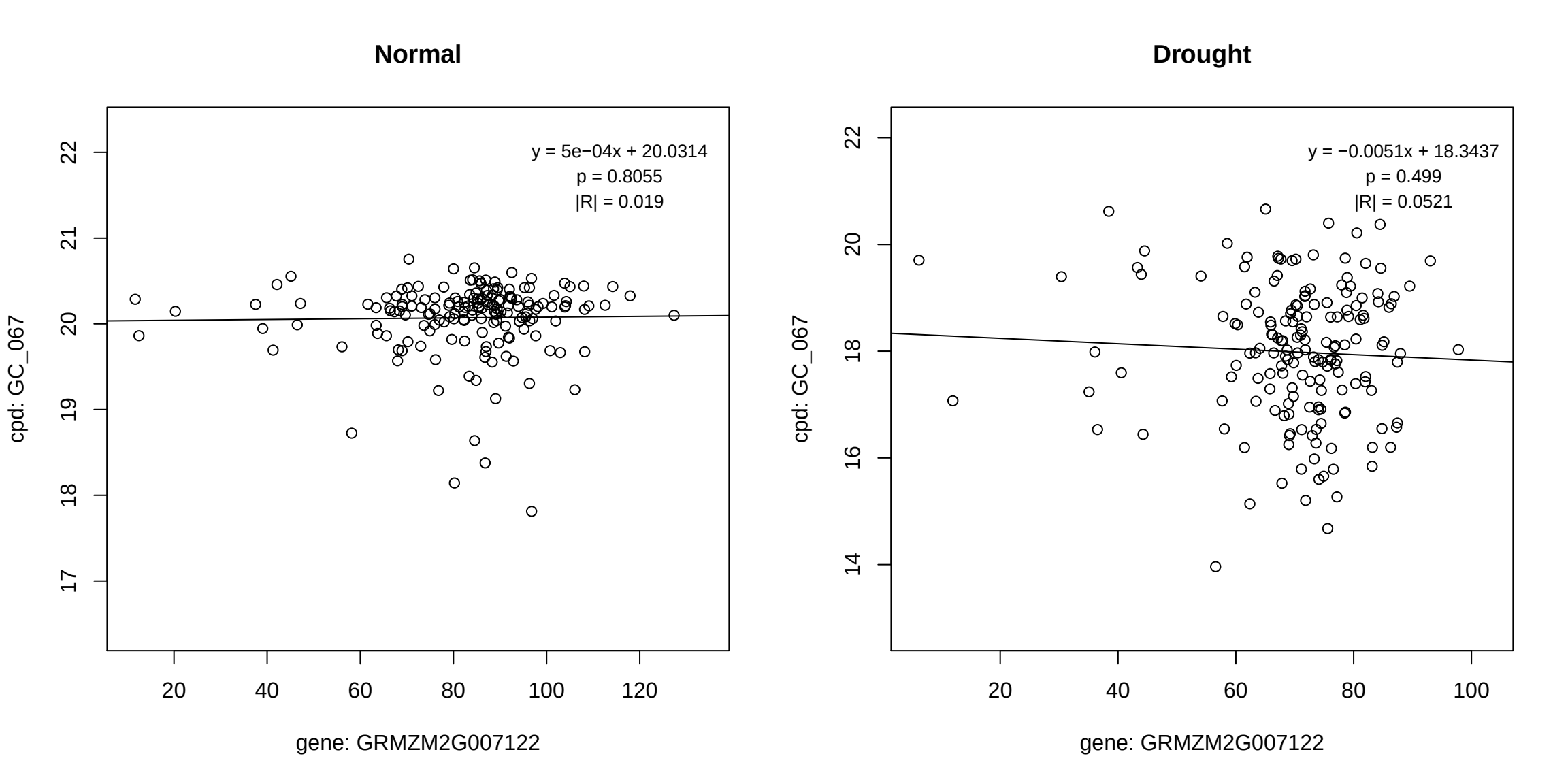

Normal
y = −0.0165x + 11.3109
p = 0.1776
|R| = 0.1036
cpd: GC_014
gene: GRMZM2G011068
Drought
y = 0.0032x + 11.2633
p = 0.7785
|R| = 0.0217
cpd: GC_014
gene: GRMZM2G011068

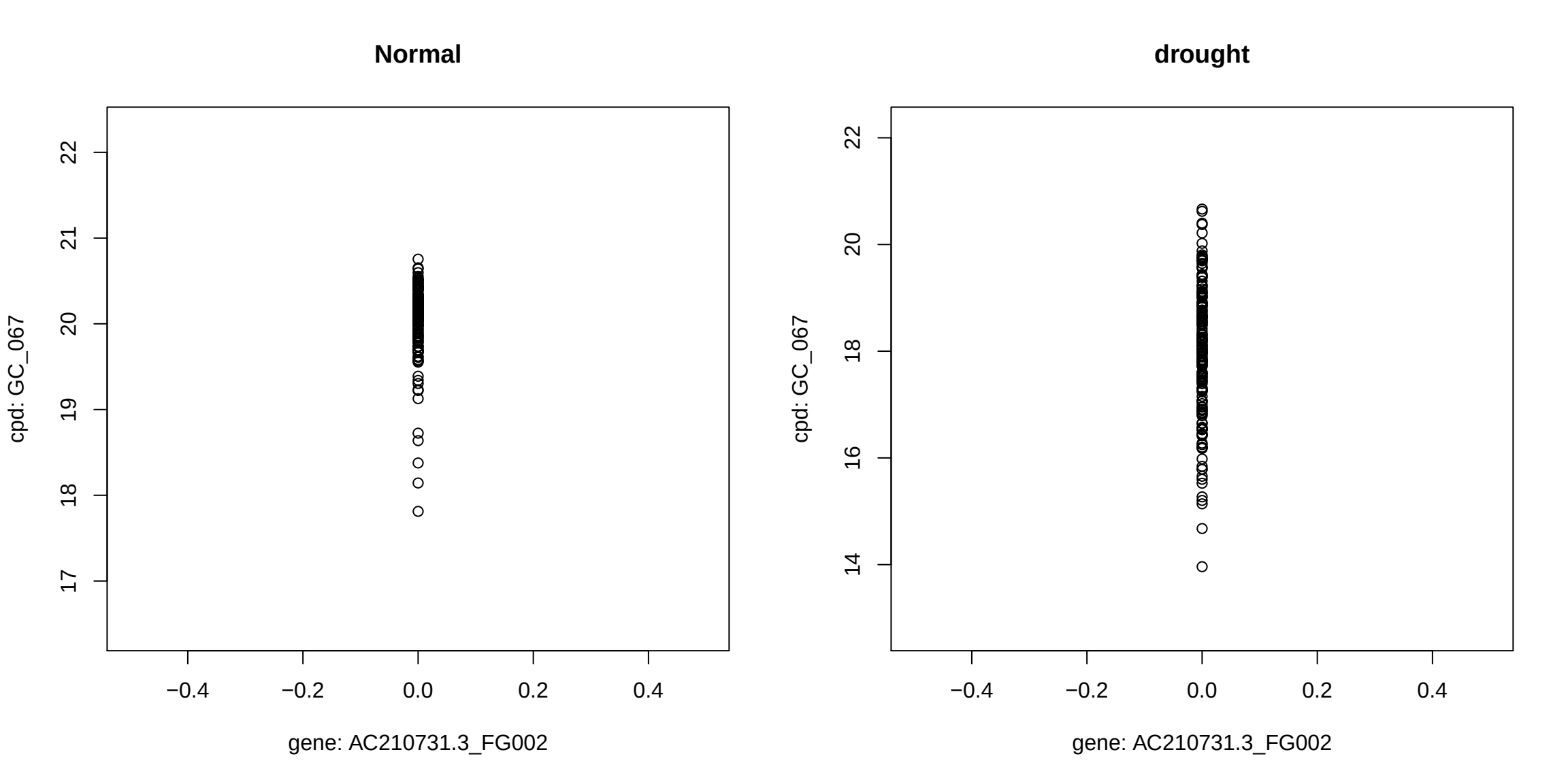

Normal
y = 0.1474x + 11.0556
p = 0.9081
|R| = 0.0089
cpd: GC_014
gene: GRMZM2G043943
Drought
y = 1.2257x + 11.317
p = 0.476
|R| = 0.055
cpd: GC_014
gene: GRMZM2G043943

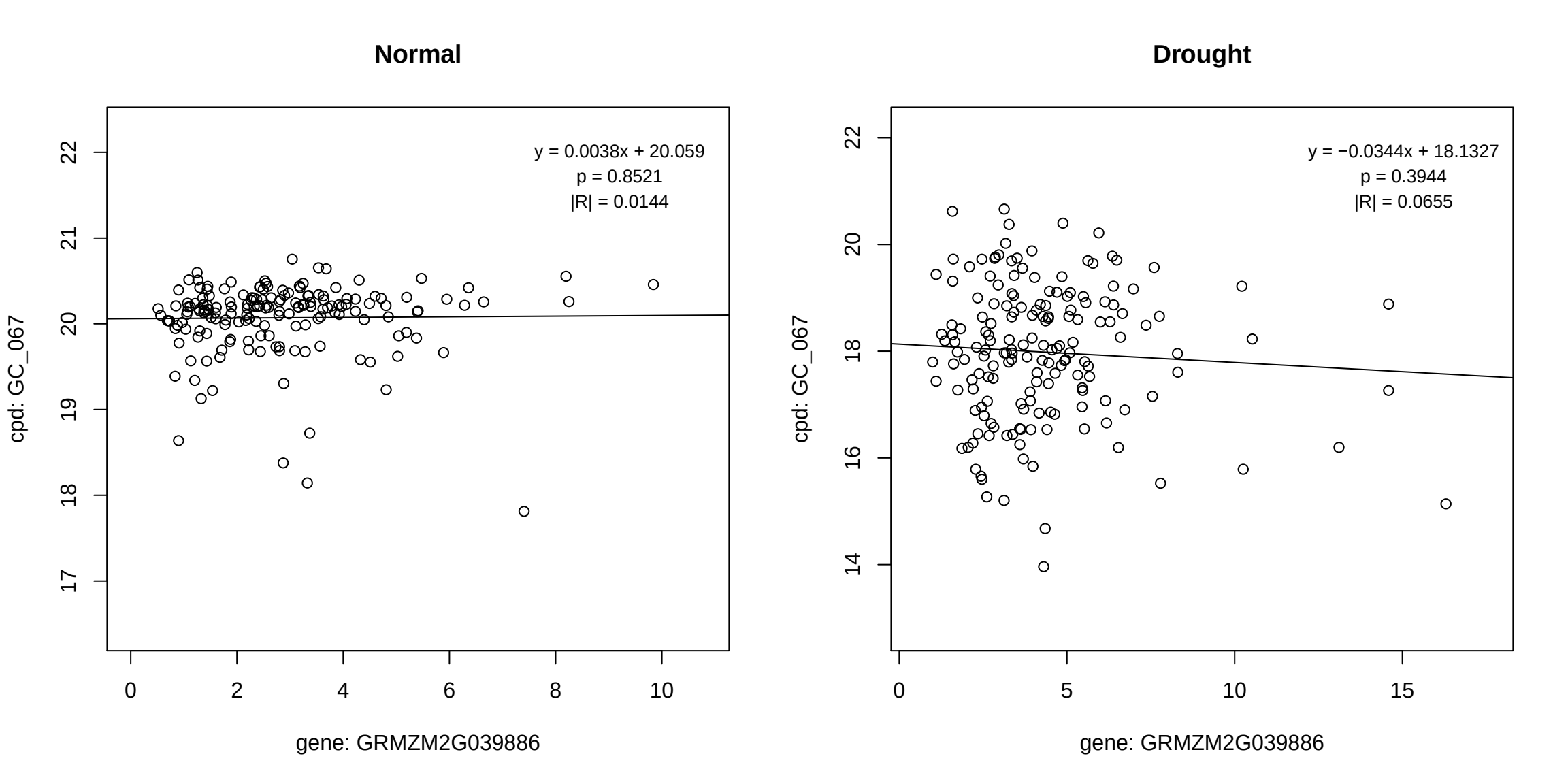

Normal
y = 0.0347x + 20.0679
p = 0.6936
|R| = 0.0304
cpd: GC_067
gene: GRMZM2G155686
Drought
y = 1.4742x + 17.9486
p = 0.2632
|R| = 0.086
cpd: GC_067
gene: GRMZM2G155686

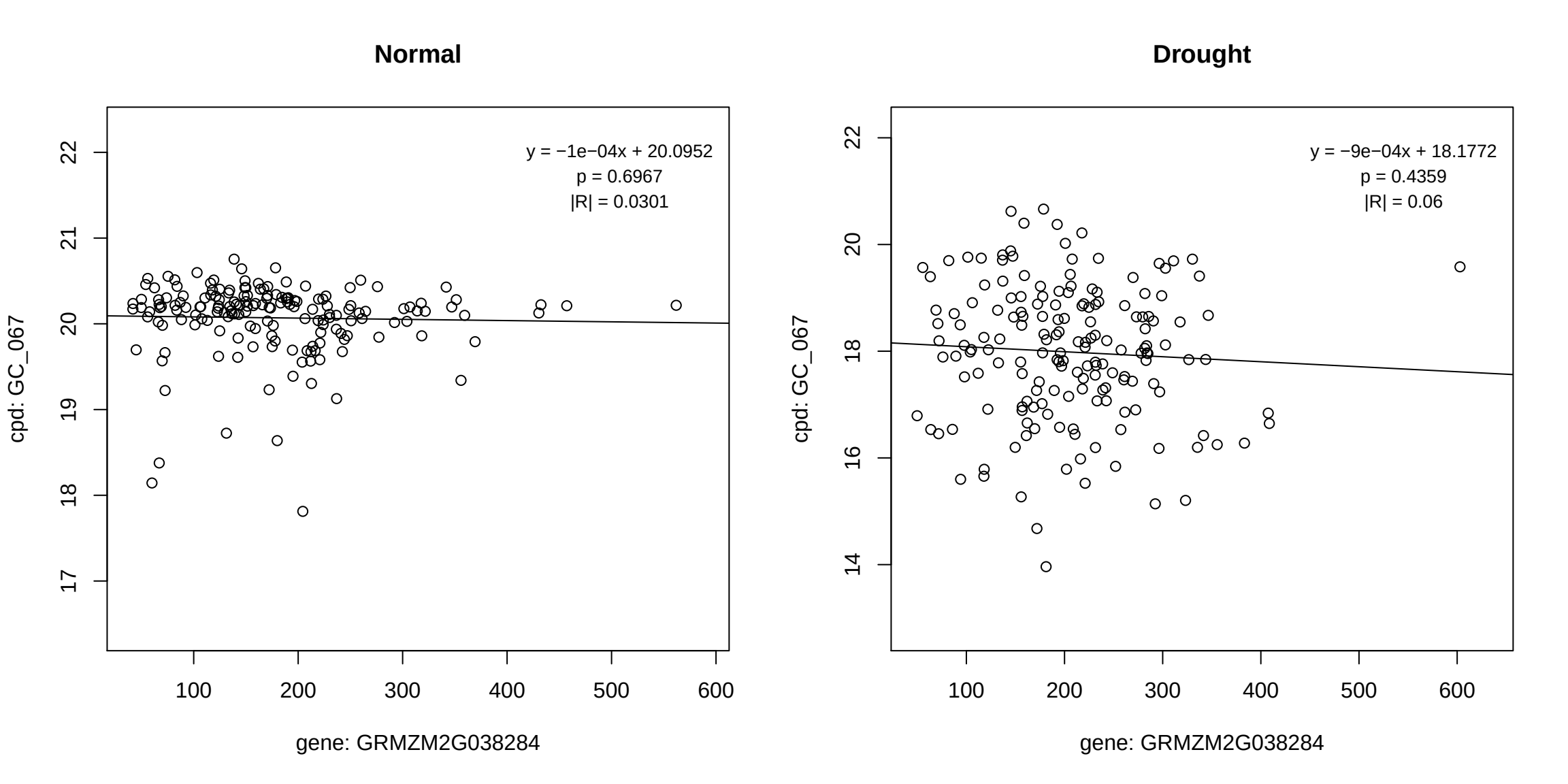

Normal
y = 0.0067x + 20.0364
p = 0.642
|R| = 0.0359
cpd: GC_067
gene: GRMZM2G040102
Drought
y = −0.0317x + 18.1803
p = 0.4882
|R| = 0.0534
cpd: GC_067
gene: GRMZM2G040102

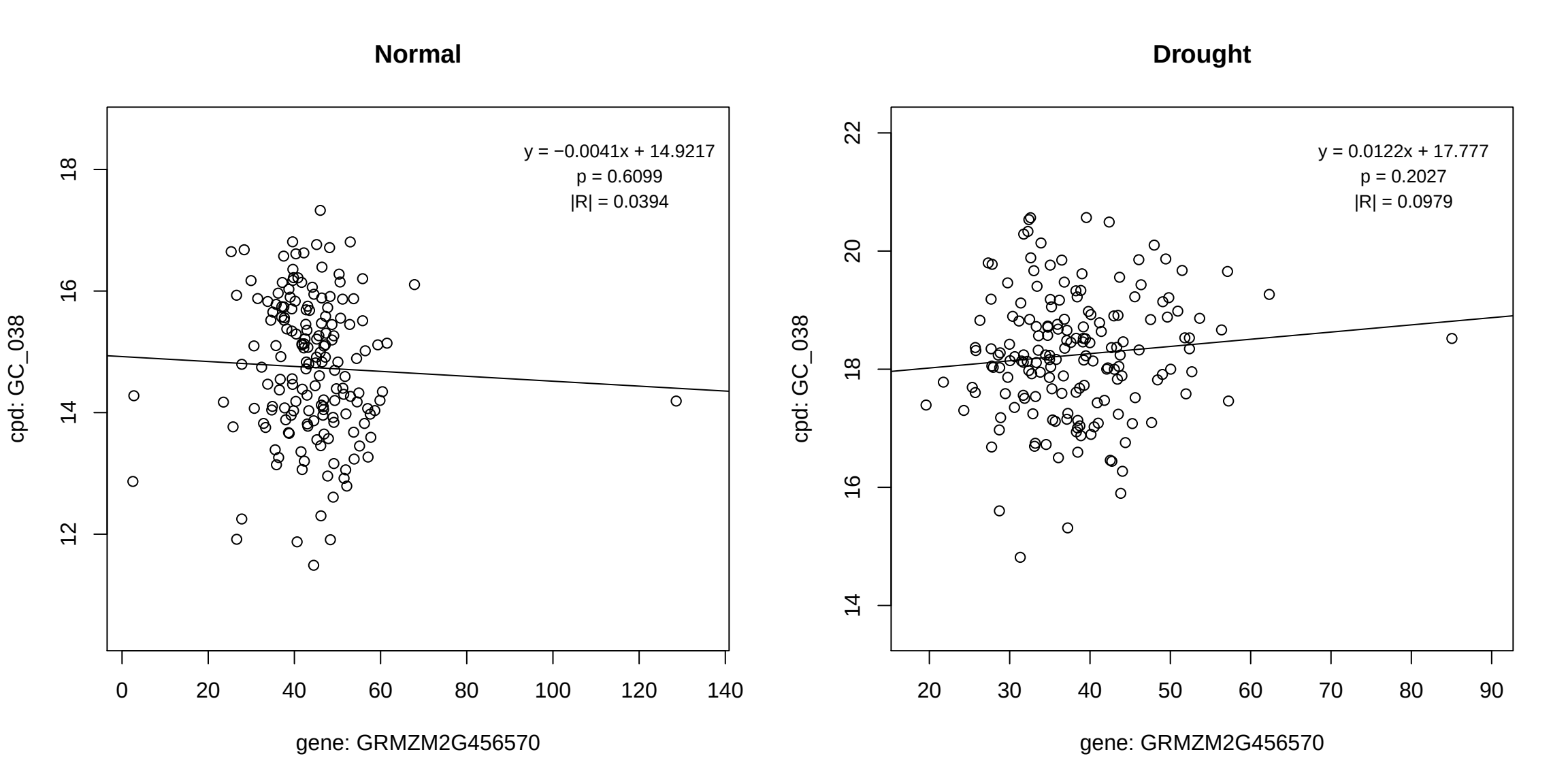

Normal
y = 0.0095x + 20.0032
p = 0.3294
|R| = 0.0752
cpd: GC_067
gene: GRMZM2G038183
Drought
y = −0.0013x + 18.0047
p = 0.9277
|R| = 0.007
cpd: GC_067
gene: GRMZM2G038183

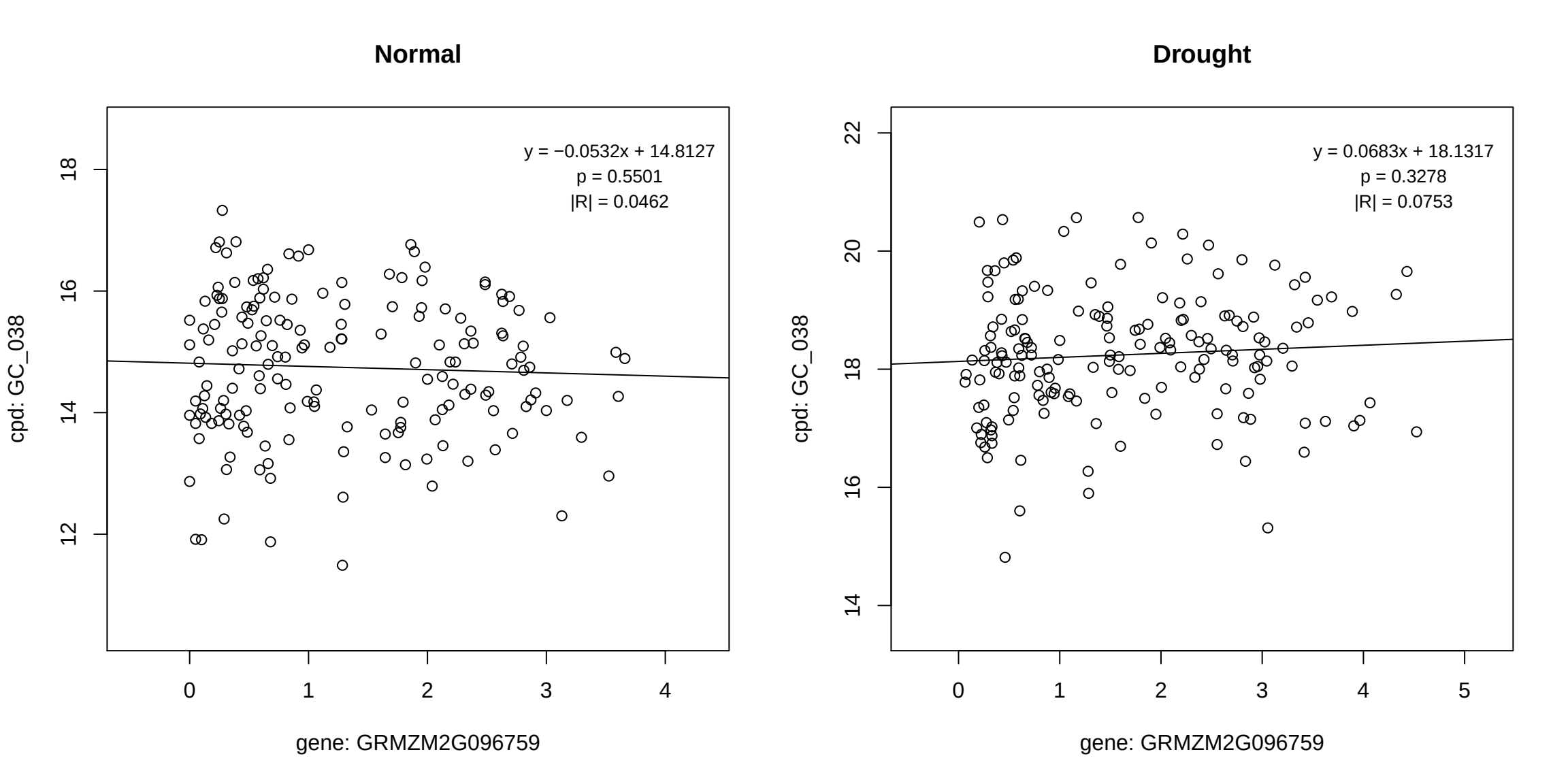

Normal
y = 5e−04x + 20.0314
p = 0.8055
|R| = 0.019
cpd: GC_067
gene: GRMZM2G007122
Drought
y = −0.0051x + 18.3437
p = 0.499
|R| = 0.0521
cpd: GC_067
gene: GRMZM2G007122

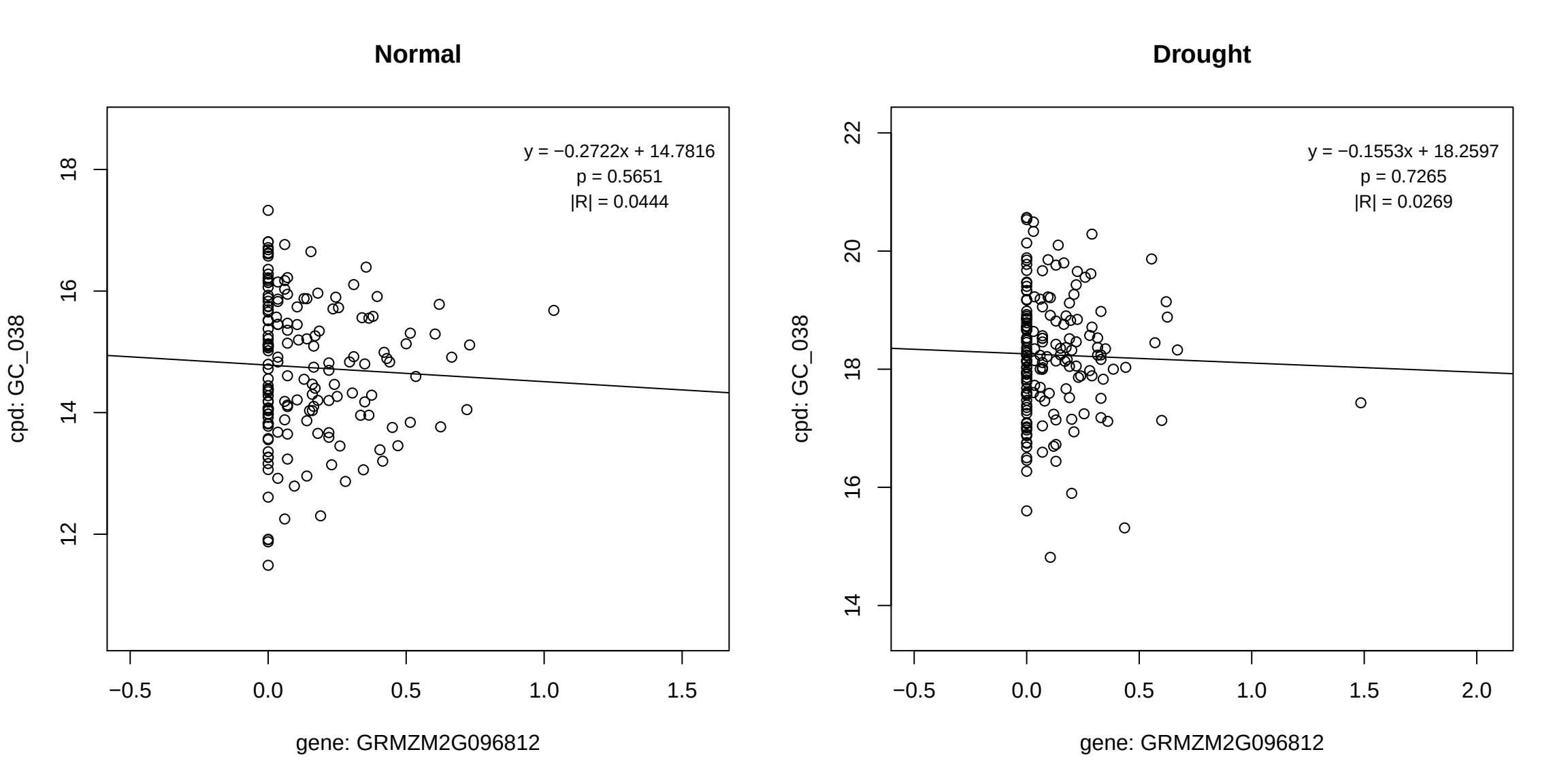

Normal
drought
cpd: GC_067
gene: AC210731.3_FG002
17
18
19
20
21
22
14
16
−0.4
−0.2
0.0
0.2
0.4

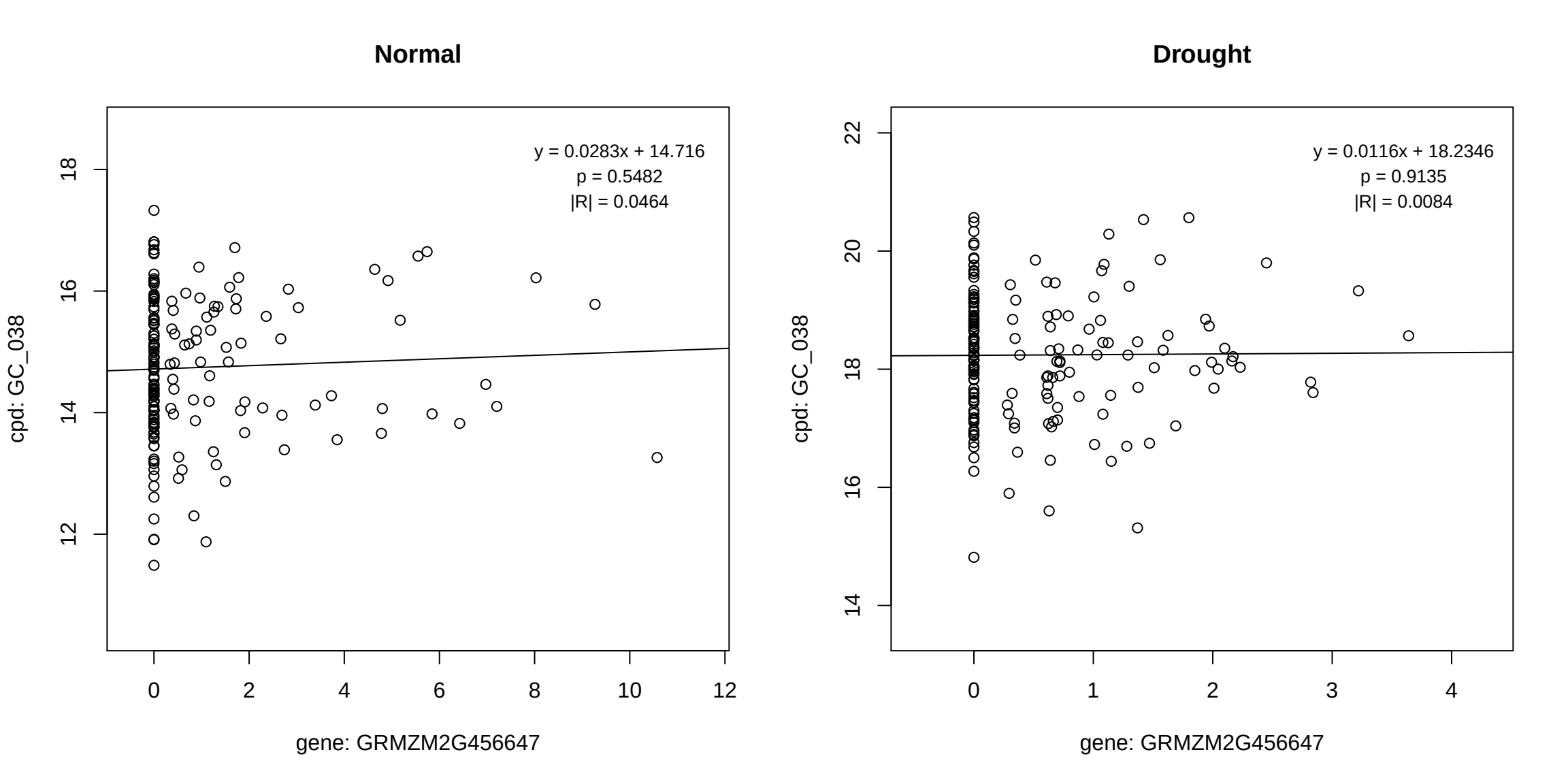

Normal
y = 0.0038x + 20.059
p = 0.8521
|R| = 0.0144
cpd: GC_067
gene: GRMZM2G039886
Drought
y = −0.0344x + 18.1327
p = 0.3944
|R| = 0.0655
cpd: GC_067
gene: GRMZM2G039886

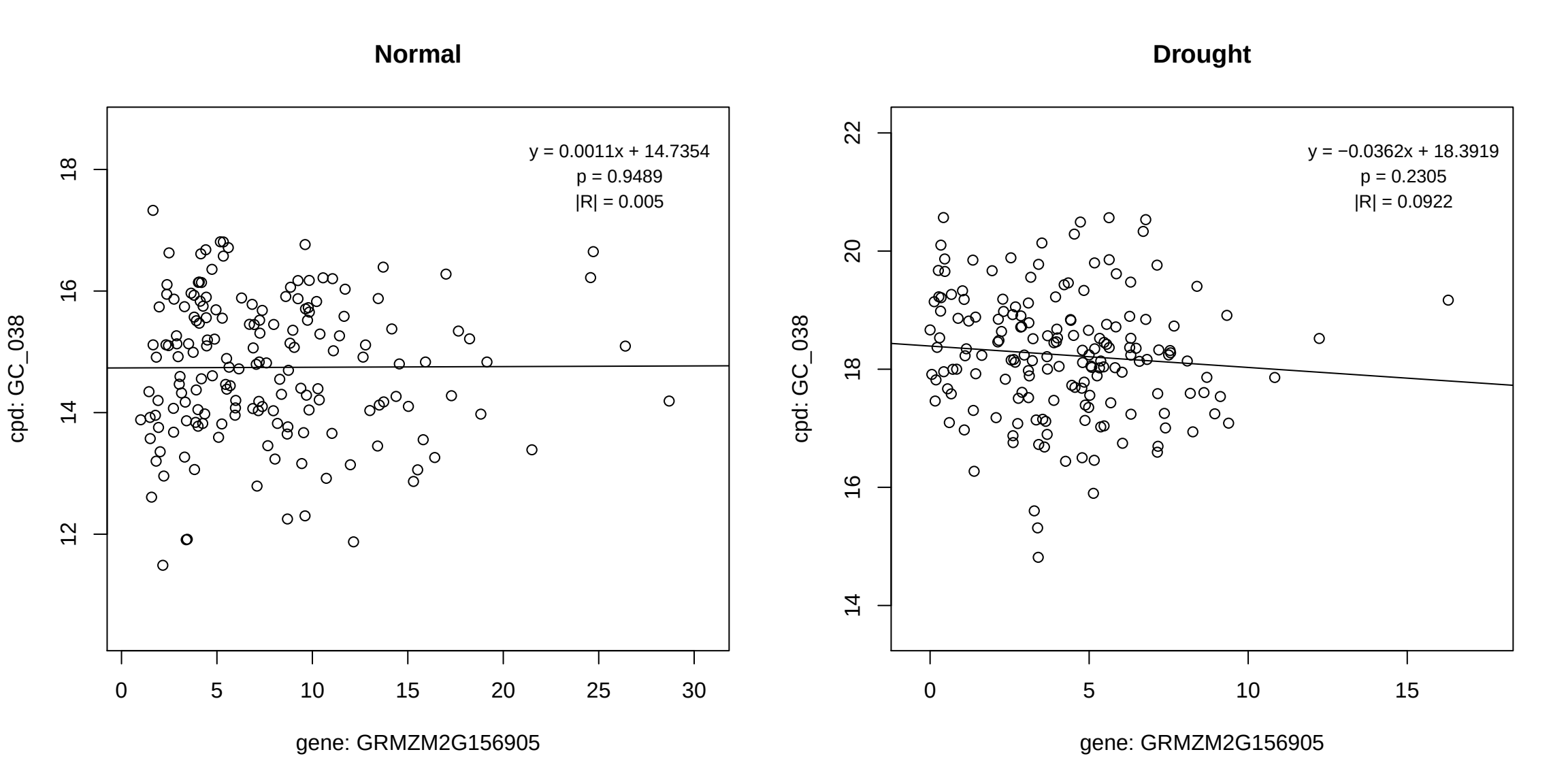

Normal
y = −1e−04x + 20.0952
p = 0.6967
|R| = 0.0301
cpd: GC_067
gene: GRMZM2G038284
Drought
y = −9e−04x + 18.1772
p = 0.4359
|R| = 0.06
cpd: GC_067
gene: GRMZM2G038284

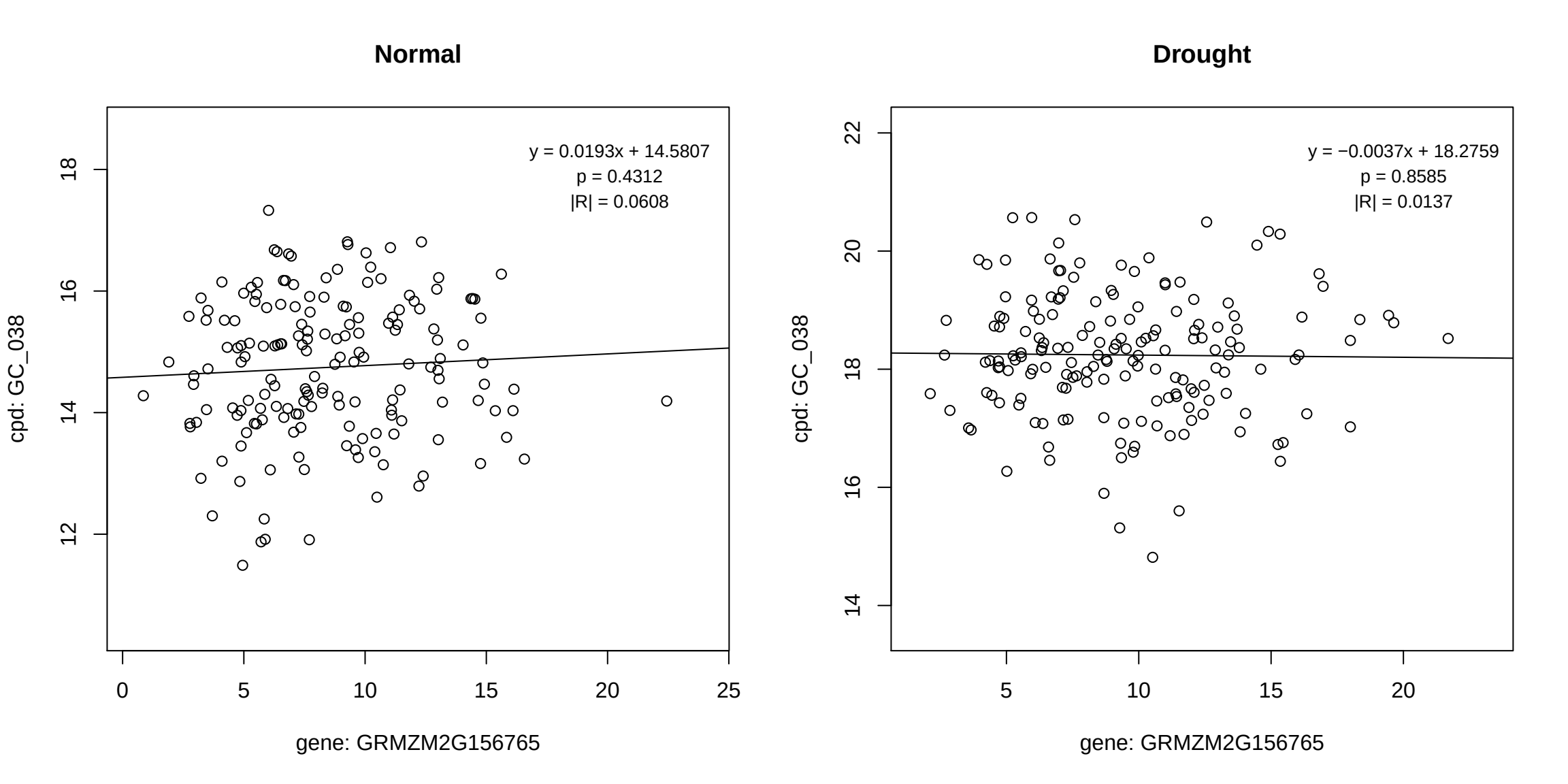

Normal
y = −0.0041x + 14.9217
p = 0.6099
|R| = 0.0394
cpd: GC_038
gene: GRMZM2G456570
Drought
y = 0.0122x + 17.777
p = 0.2027
|R| = 0.0979
cpd: GC_038
gene: GRMZM2G456570

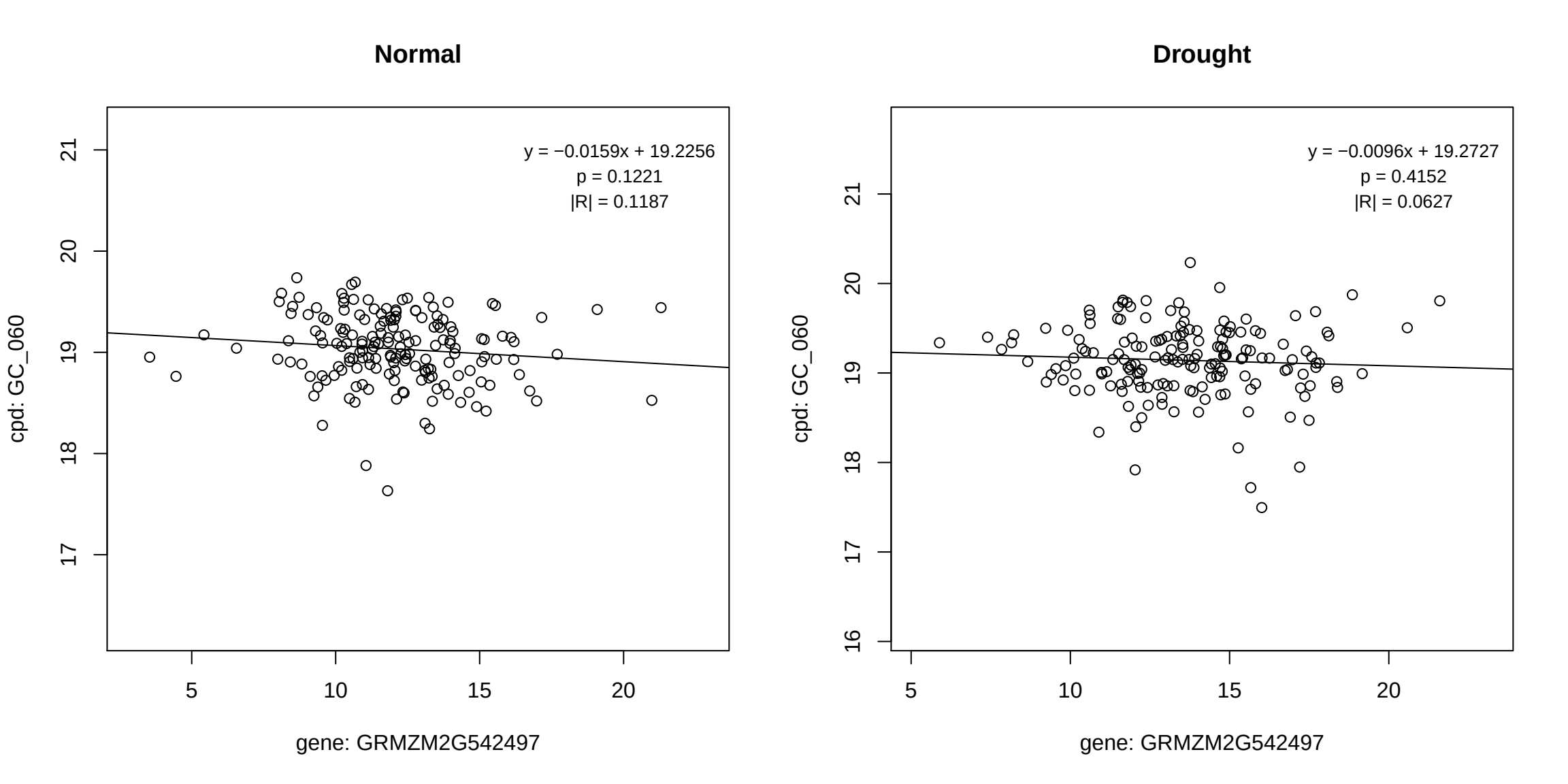

Normal
y = −0.0532x + 14.8127
p = 0.5501
|R| = 0.0462
cpd: GC_038
gene: GRMZM2G096759
Drought
y = 0.0683x + 18.1317
p = 0.3278
|R| = 0.0753
cpd: GC_038
gene: GRMZM2G096759

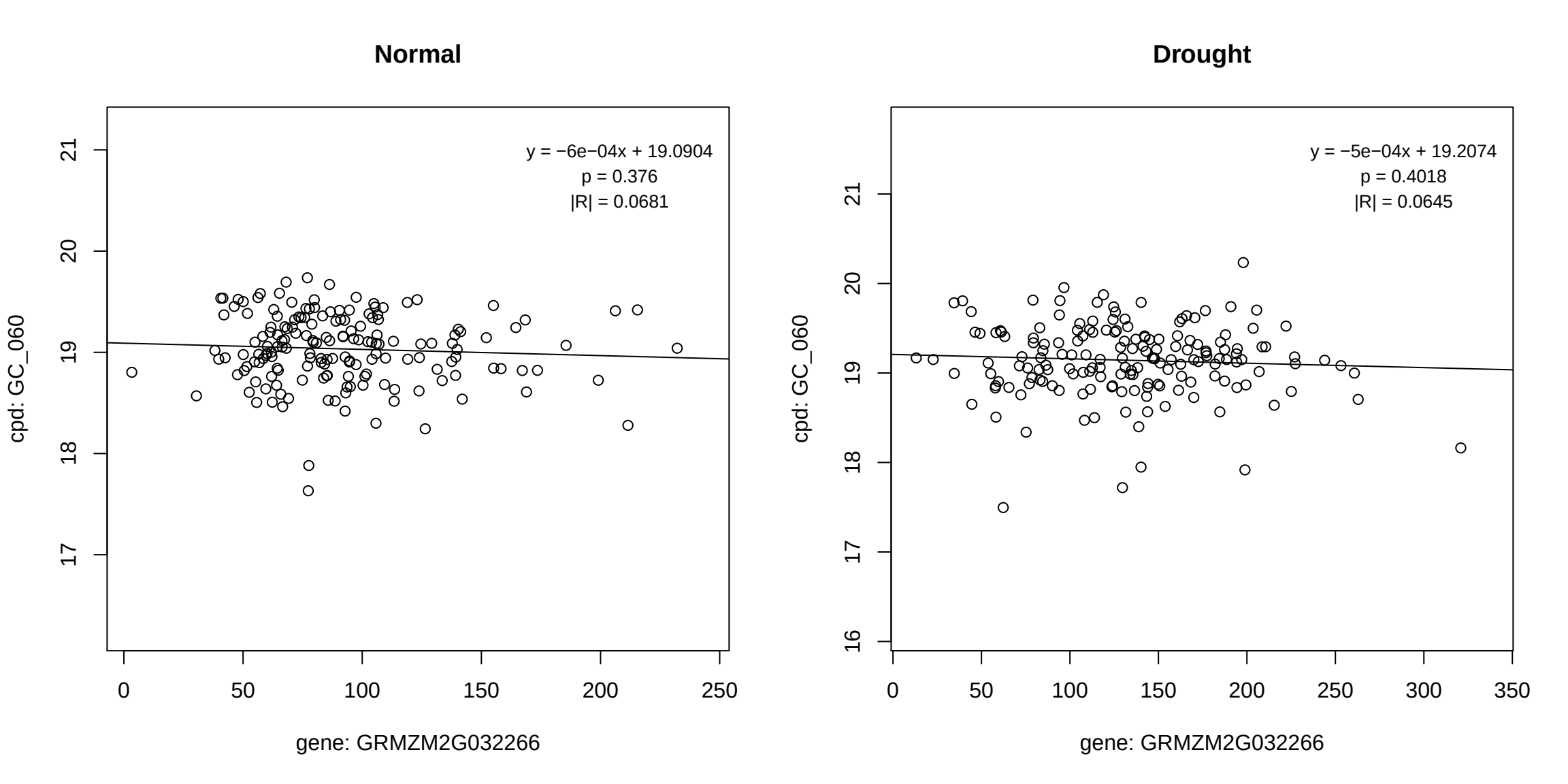

Normal
y = −0.2722x + 14.7816
p = 0.5651
|R| = 0.0444
cpd: GC_038
gene: GRMZM2G096812
Drought
y = −0.1553x + 18.2597
p = 0.7265
|R| = 0.0269
cpd: GC_038
gene: GRMZM2G096812

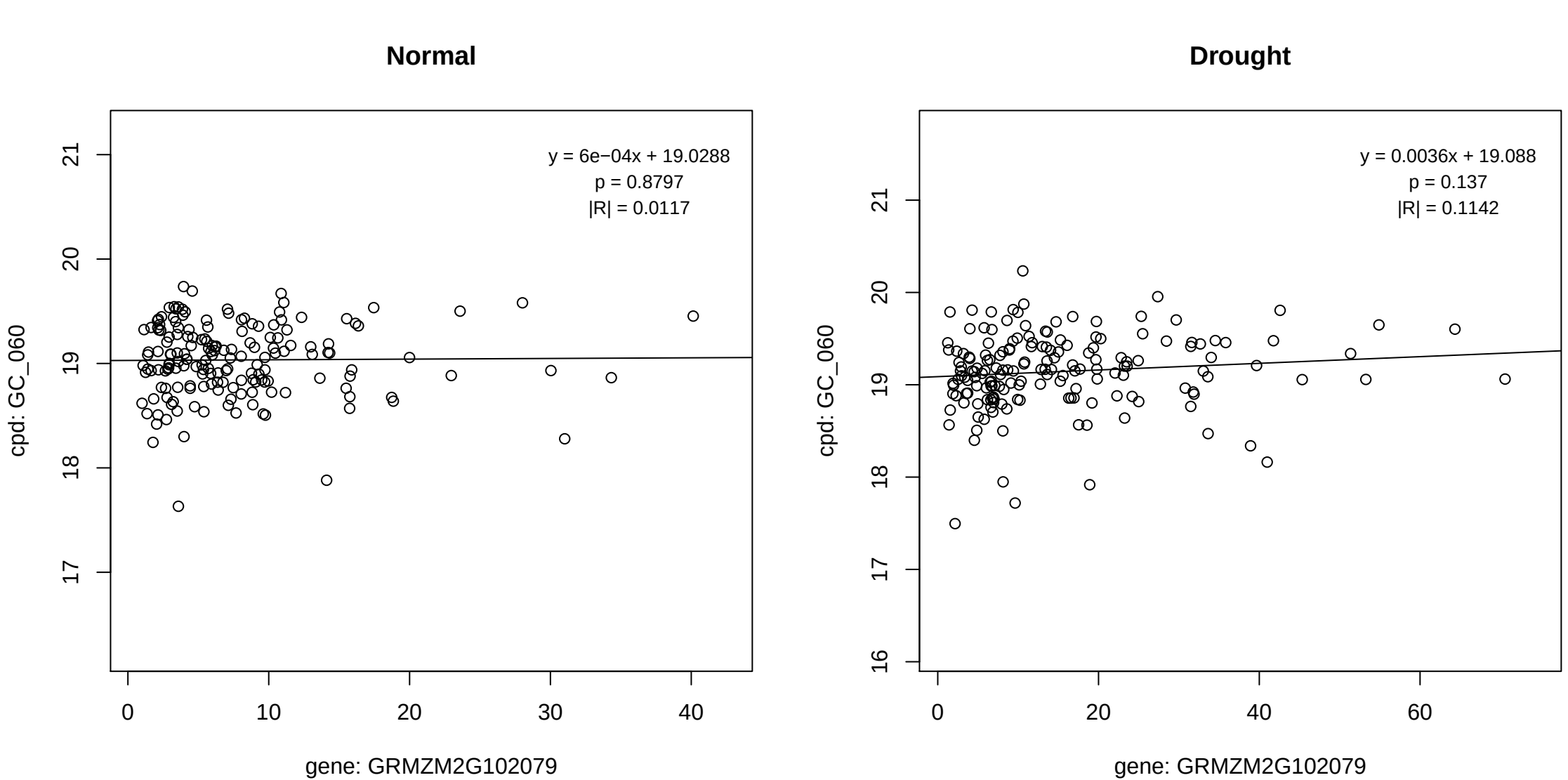

Normal
y = 0.0283x + 14.716
p = 0.5482
|R| = 0.0464
cpd: GC_038
gene: GRMZM2G456647
Drought
y = 0.0116x + 18.2346
p = 0.9135
|R| = 0.0084
cpd: GC_038
gene: GRMZM2G456647

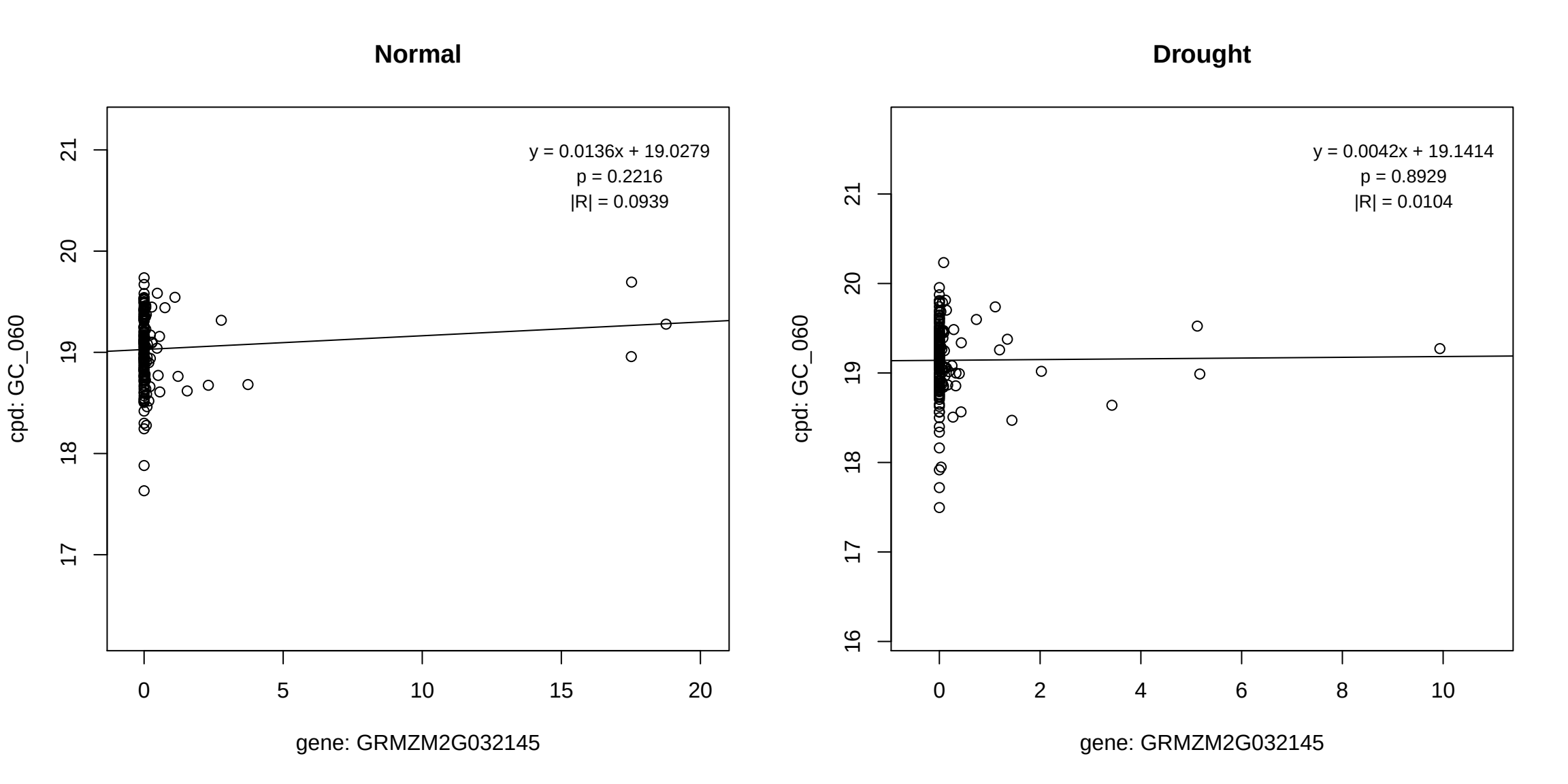

Normal
y = 0.0011x + 14.7354
p = 0.9489
|R| = 0.005
cpd: GC_038
gene: GRMZM2G156905
Drought
y = −0.0362x + 18.3919
p = 0.2305
|R| = 0.0922
cpd: GC_038
gene: GRMZM2G156905

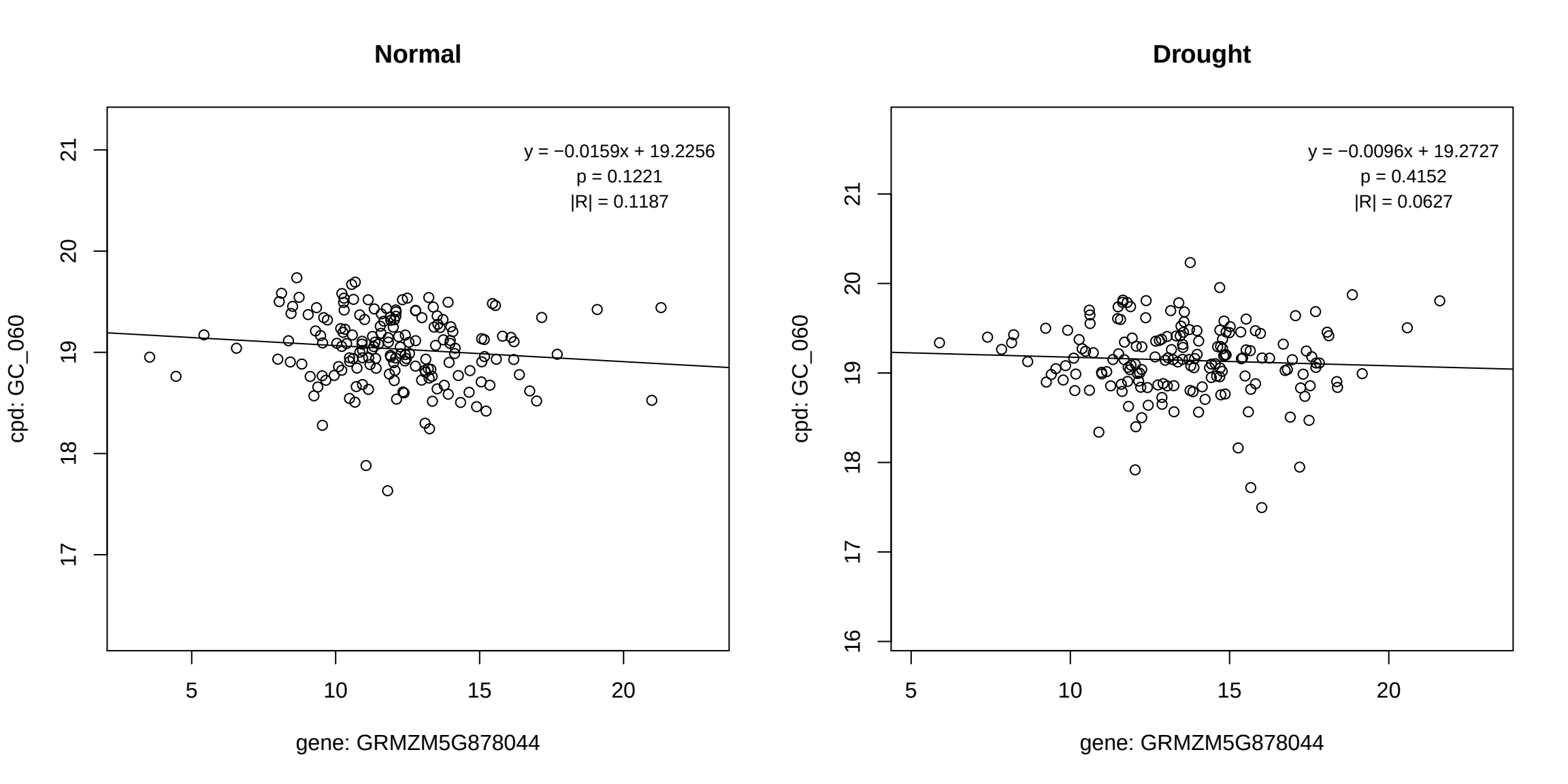

Normal
y = 0.0193x + 14.5807
p = 0.4312
|R| = 0.0608
cpd: GC_038
gene: GRMZM2G156765
Drought
y = −0.0037x + 18.2759
p = 0.8585
|R| = 0.0137
cpd: GC_038
gene: GRMZM2G156765

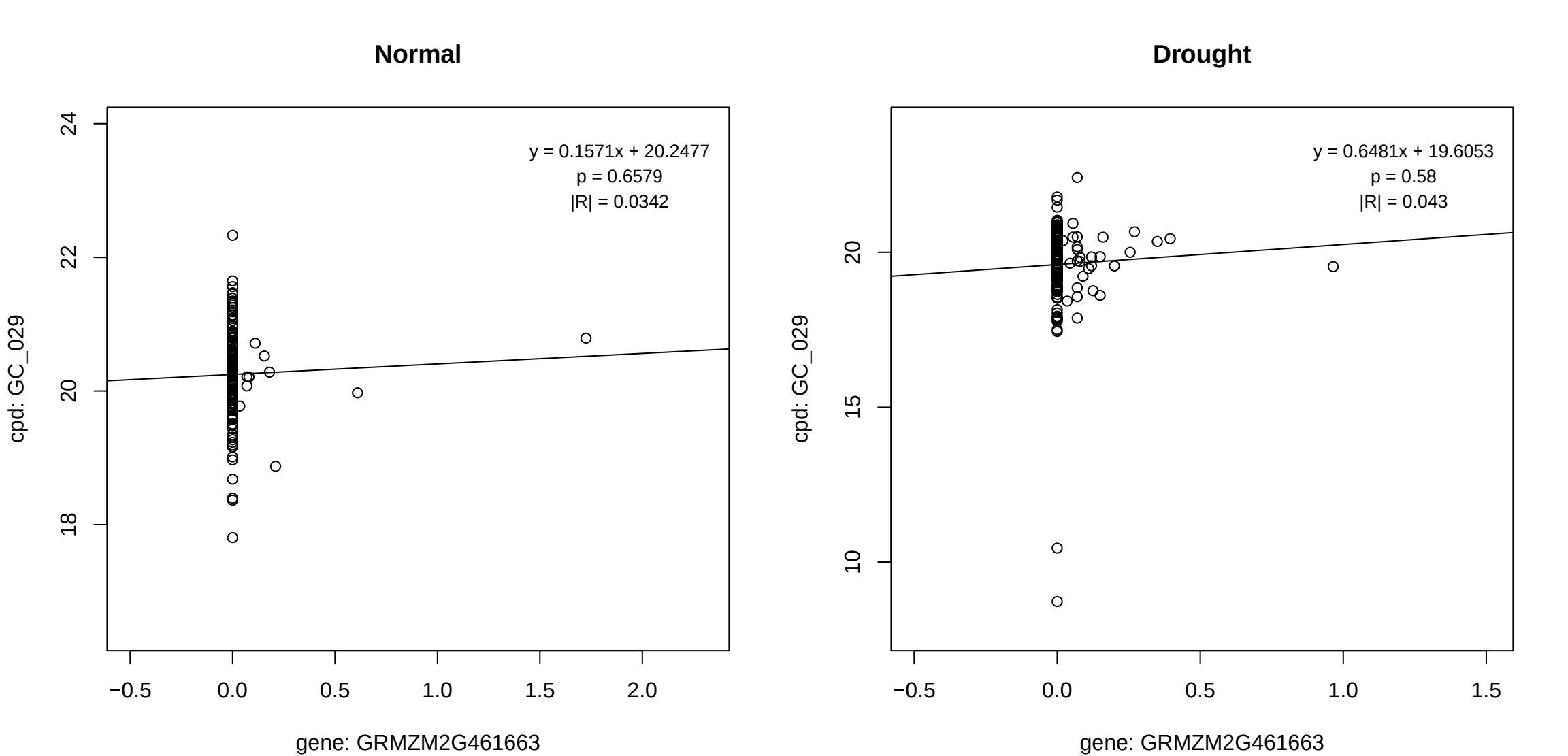

Normal
y = −0.0159x + 19.2256
p = 0.1221
|R| = 0.1187
cpd: GC_060
gene: GRMZM2G542497
Drought
y = −0.0096x + 19.2727
p = 0.4152
|R| = 0.0627
cpd: GC_060
gene: GRMZM2G542497

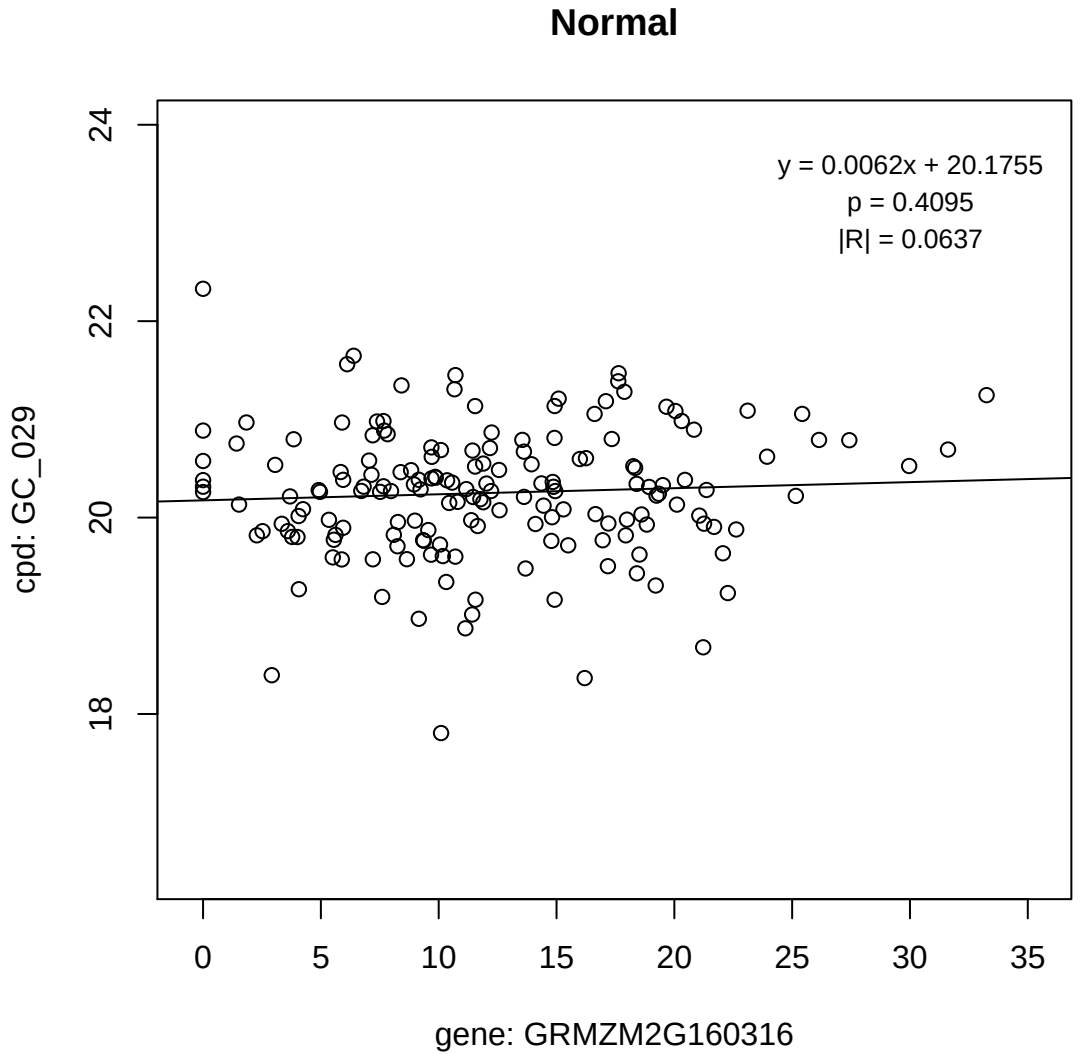

Normal
y = −6e−04x + 19.0904
p = 0.376
|R| = 0.0681
cpd: GC_060
gene: GRMZM2G032266
Drought
y = −5e−04x + 19.2074
p = 0.4018
|R| = 0.0645
cpd: GC_060
gene: GRMZM2G032266

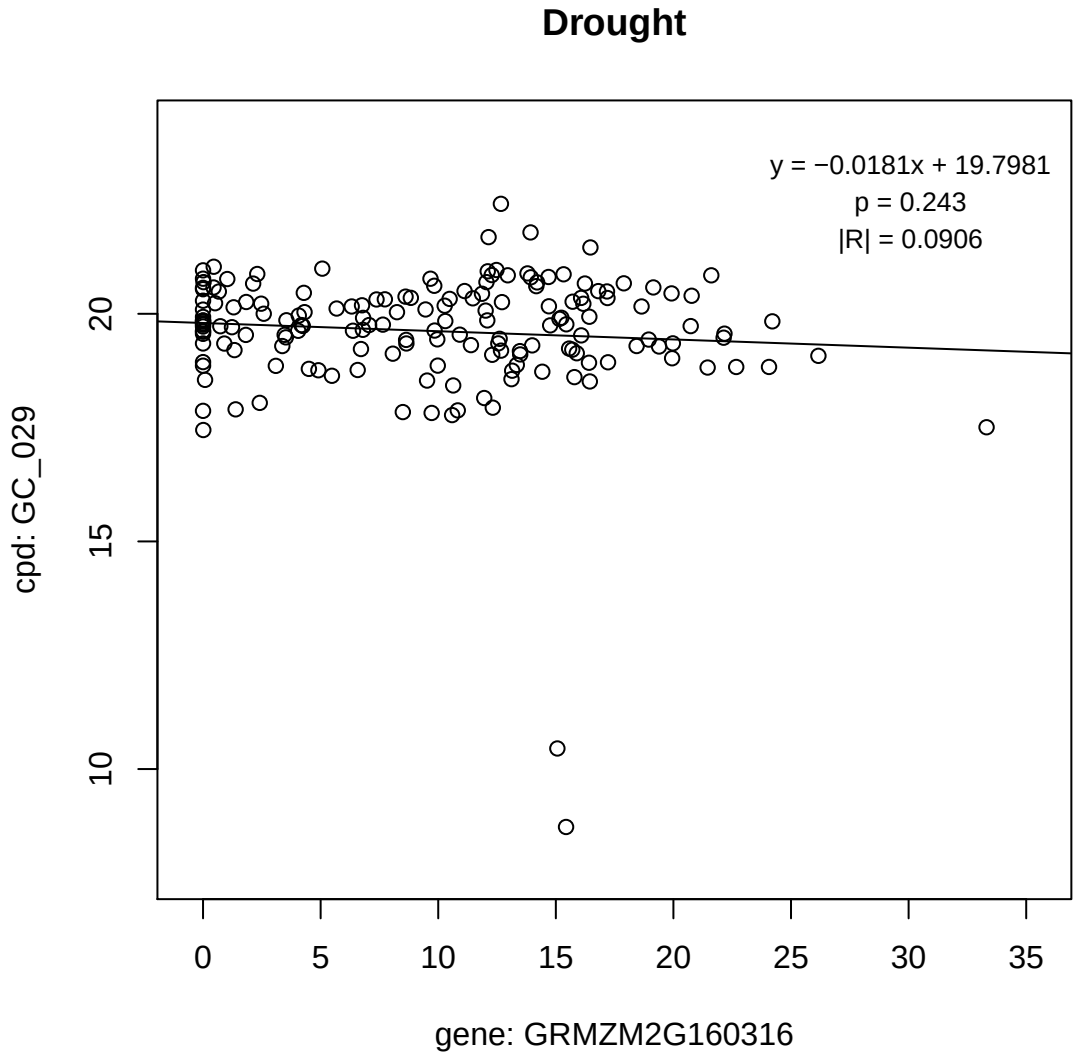

Normal
y = 6e−04x + 19.0288
p = 0.8797
|R| = 0.0117
cpd: GC_060
gene: GRMZM2G102079
Drought
y = 0.0036x + 19.088
p = 0.137
|R| = 0.1142
cpd: GC_060
gene: GRMZM2G102079

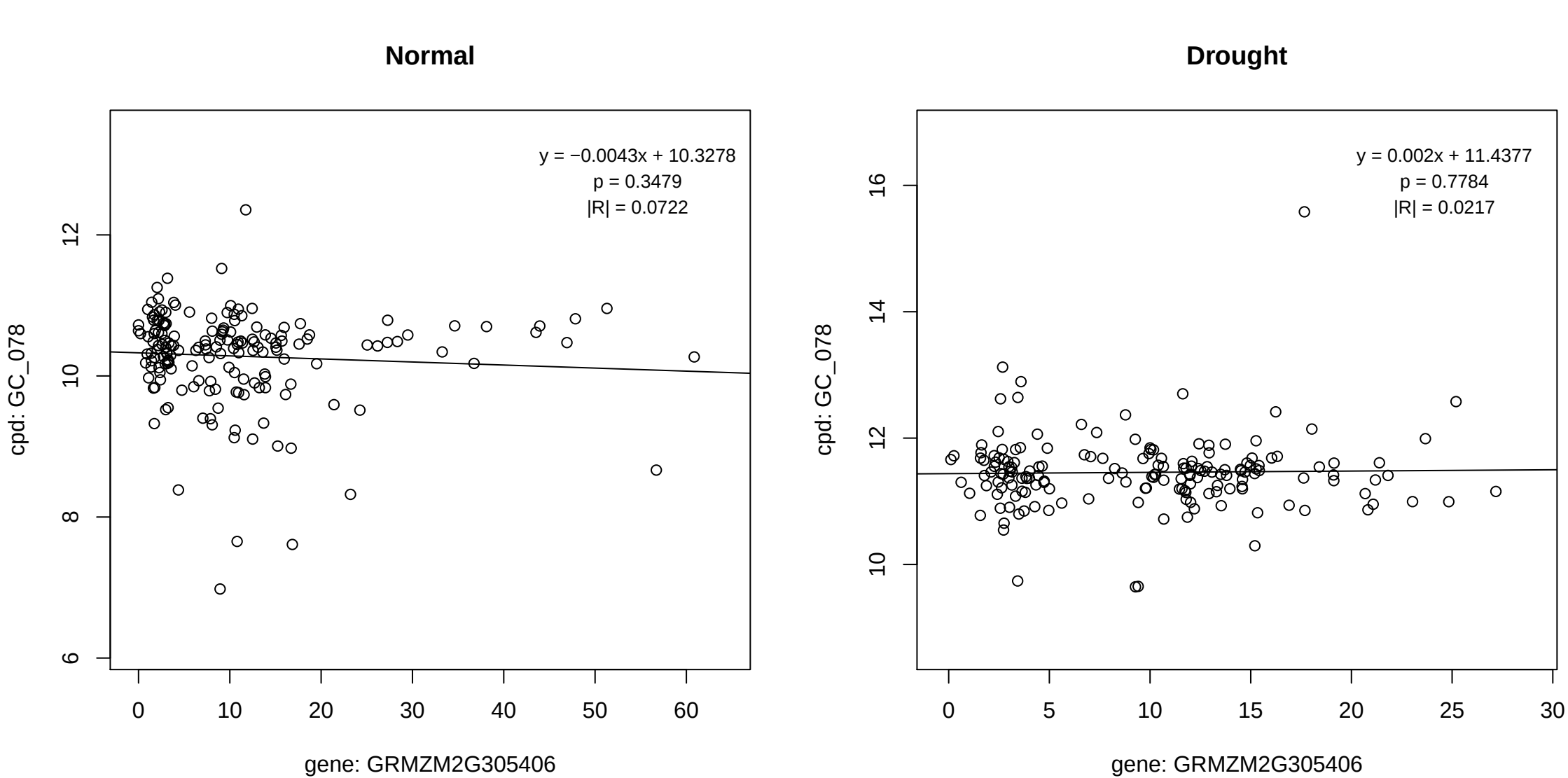

Normal
y = 0.0136x + 19.0279
p = 0.2216
|R| = 0.0939
cpd: GC_060
gene: GRMZM2G032145
Drought
y = 0.0042x + 19.1414
p = 0.8929
|R| = 0.0104
cpd: GC_060
gene: GRMZM2G032145

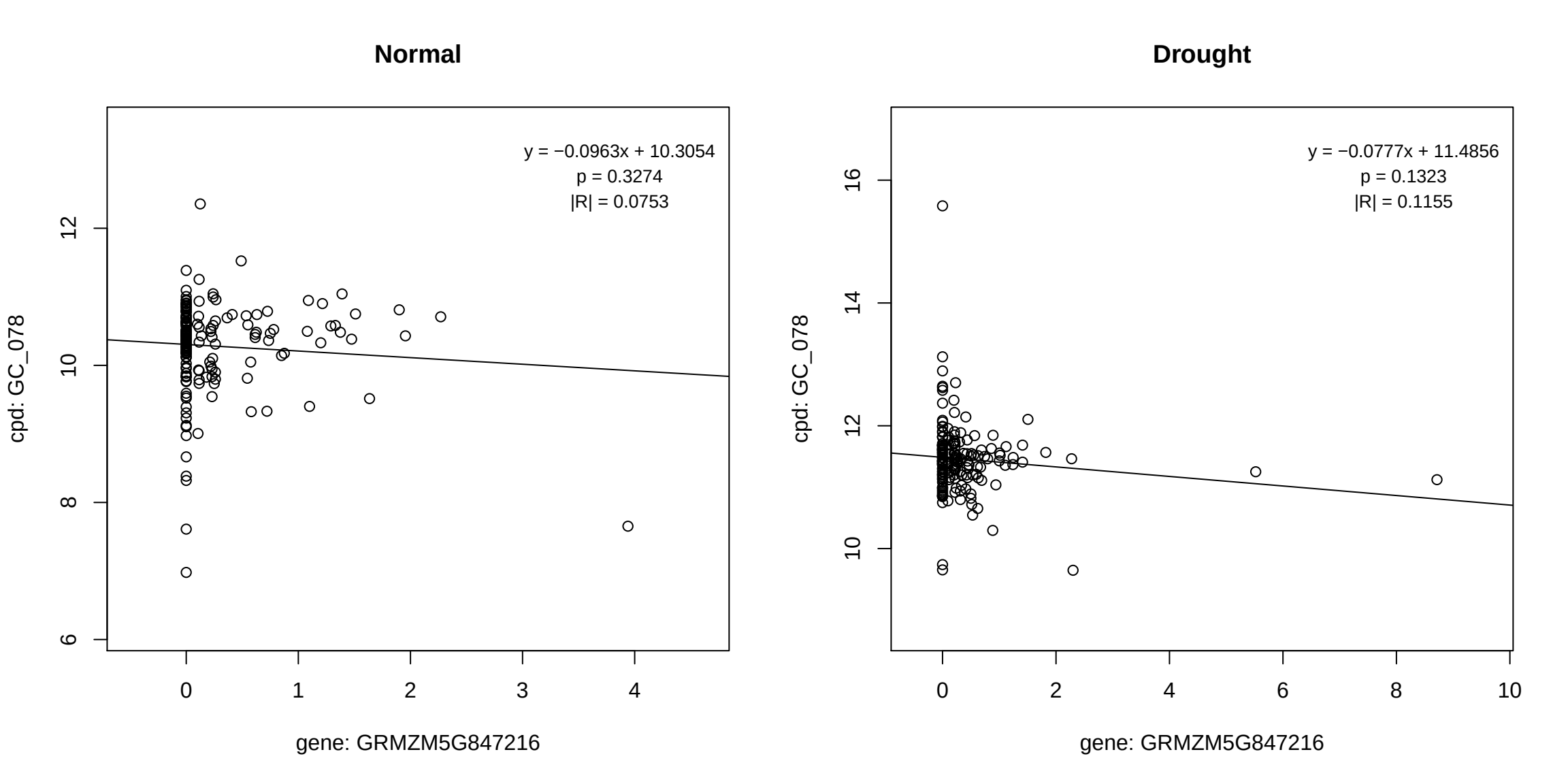

Normal
y = −0.0159x + 19.2256
p = 0.1221
|R| = 0.1187
cpd: GC_060
gene: GRMZM5G878044
Drought
y = −0.0096x + 19.2727
p = 0.4152
|R| = 0.0627
cpd: GC_060
gene: GRMZM5G878044

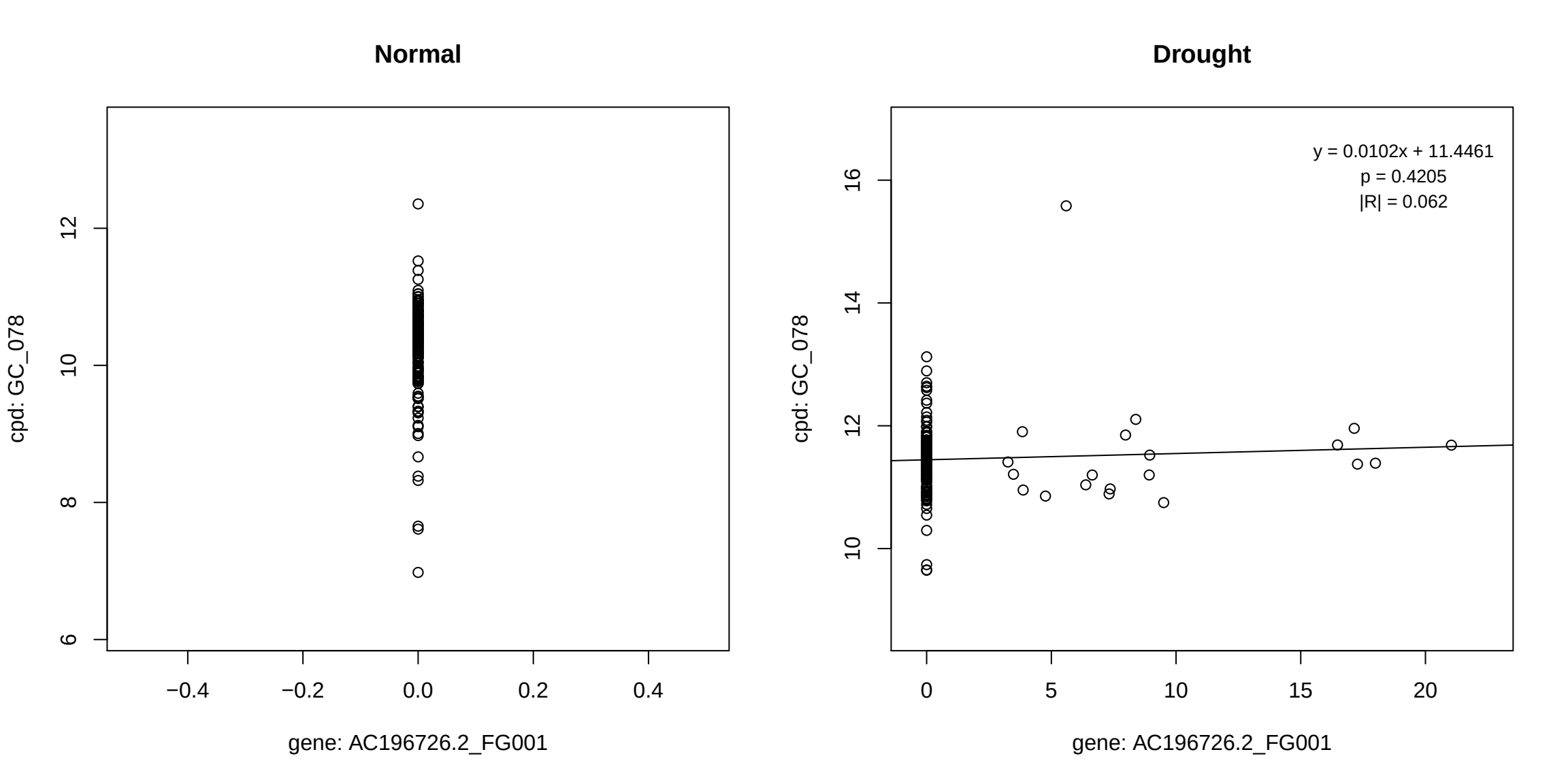

Normal
y = 0.1571x + 20.2477
p = 0.6579
|R| = 0.0342
cpd: GC_029
gene: GRMZM2G461663
Drought
y = 0.6481x + 19.6053
p = 0.58
|R| = 0.043
cpd: GC_029
gene: GRMZM2G461663

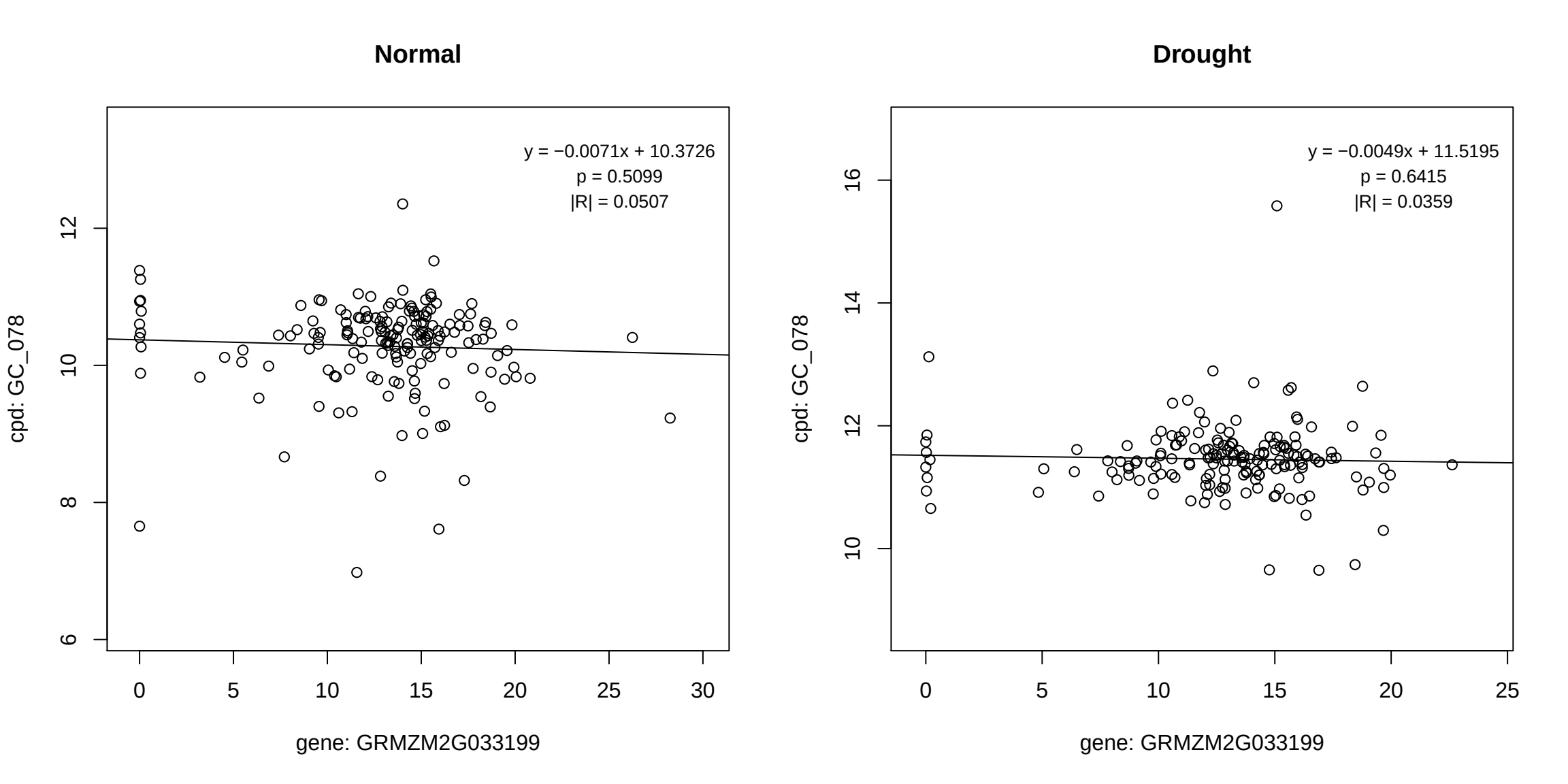

Normal
y = 0.0062x + 20.1755
p = 0.4095
|R| = 0.0637
cpd: GC_029
gene: GRMZM2G160316
18
20
22
24
0
5
10
15
20
25
30
35

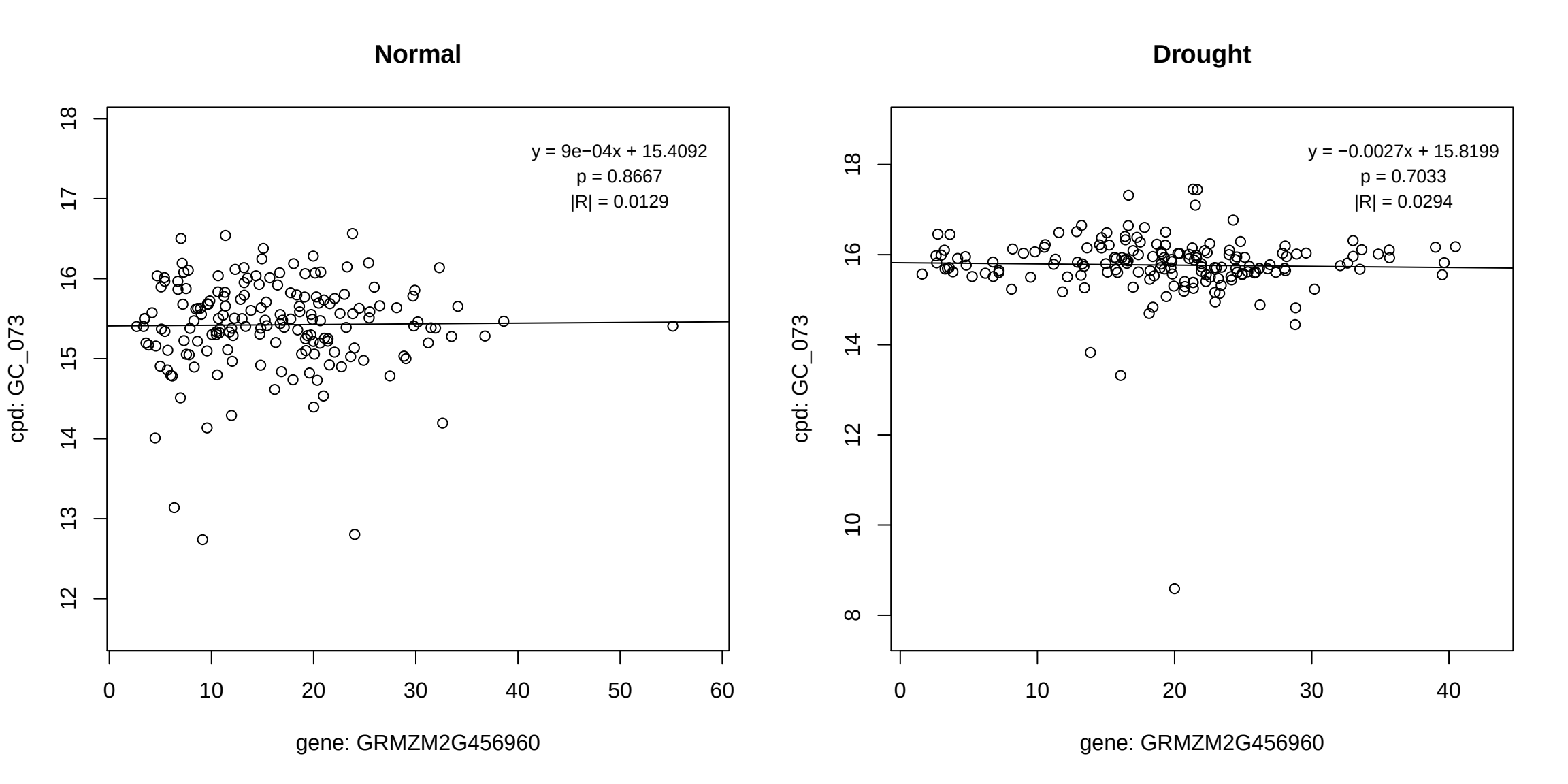

Drought
y = −0.0181x + 19.7981
p = 0.243
|R| = 0.0906
cpd: GC_029
gene: GRMZM2G160316
10
15
20
0
5
10
15
20
25
30
35

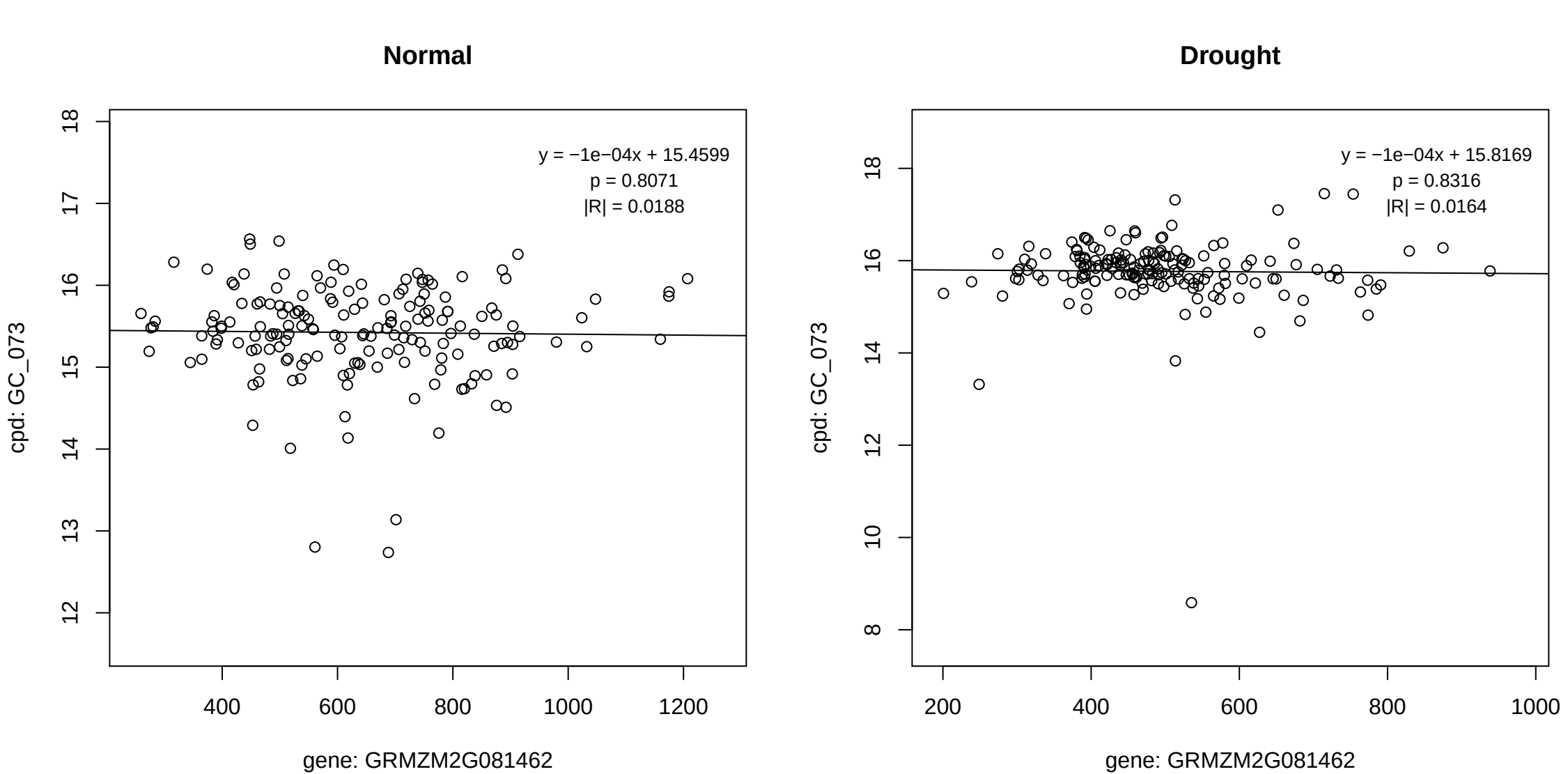

Normal
y = −0.0043x + 10.3278
p = 0.3479
|R| = 0.0722
cpd: GC_078
gene: GRMZM2G305406
Drought
y = 0.002x + 11.4377
p = 0.7784
|R| = 0.0217
cpd: GC_078
gene: GRMZM2G305406

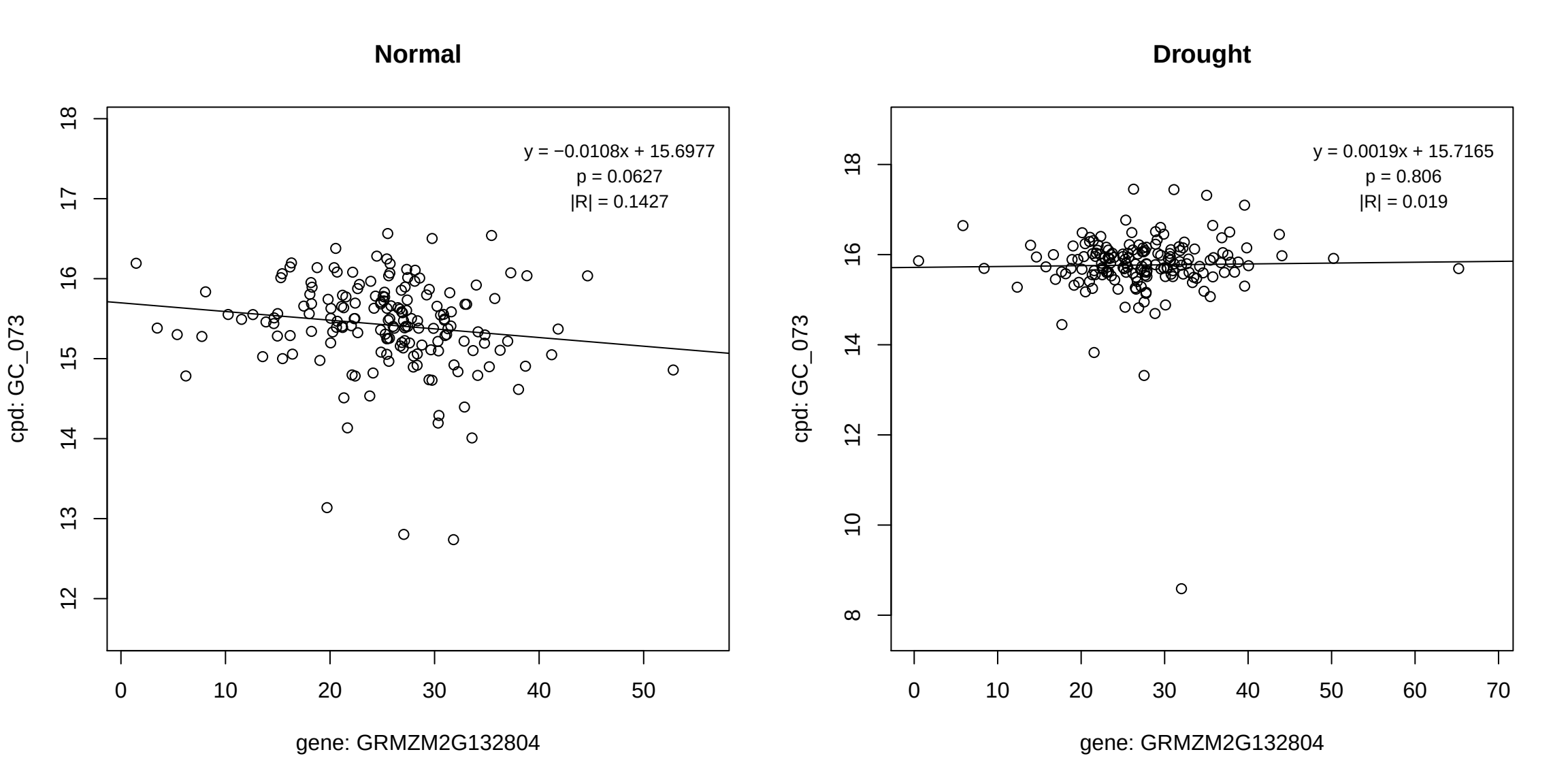

Normal
y = −0.0963x + 10.3054
p = 0.3274
|R| = 0.0753
cpd: GC_078
gene: GRMZM5G847216
Drought
y = −0.0777x + 11.4856
p = 0.1323
|R| = 0.1155
cpd: GC_078
gene: GRMZM5G847216

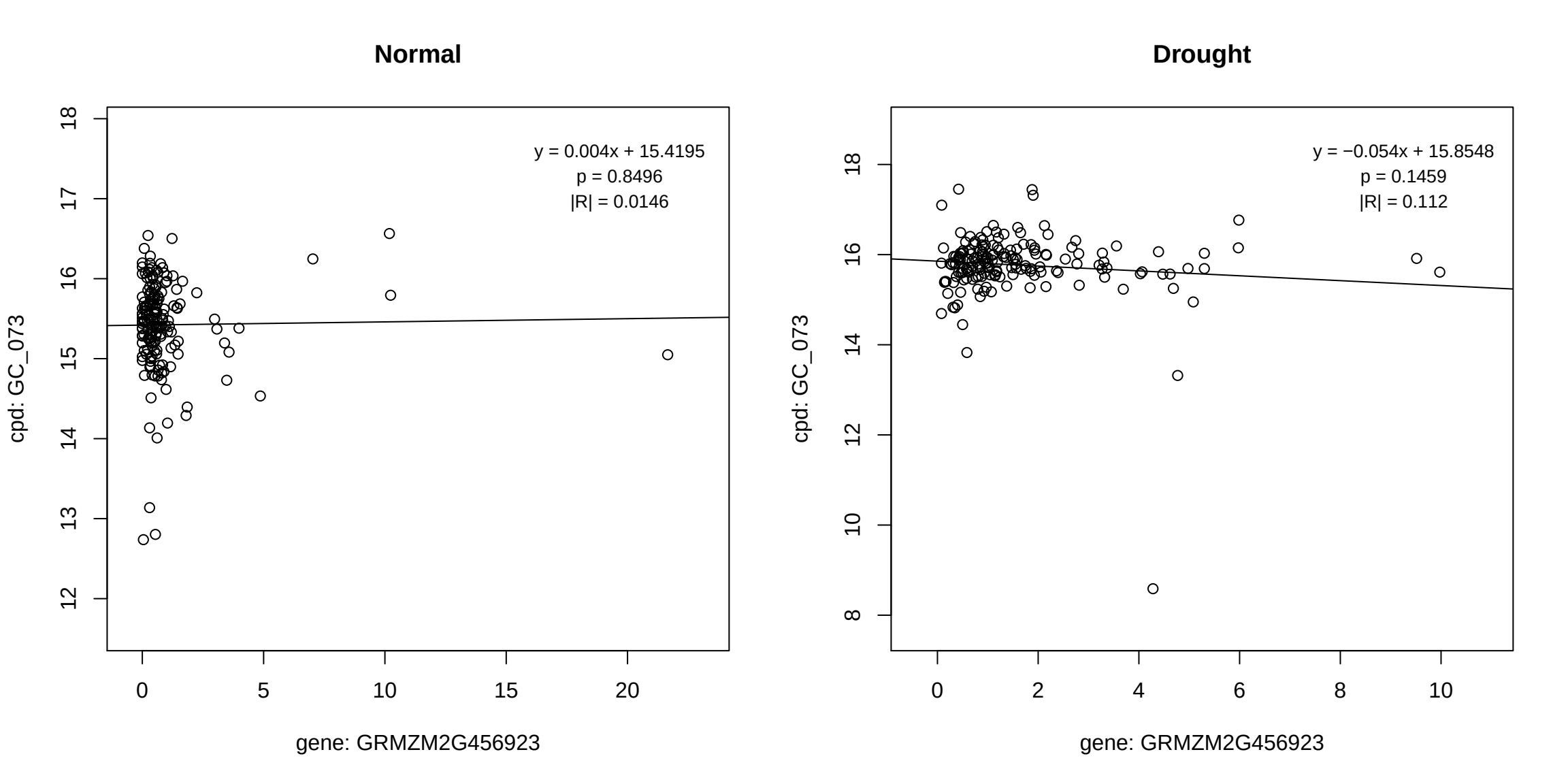

Normal
cpd: GC_078
gene: AC196726.2_FG001
Drought
y = 0.0102x + 11.4461
p = 0.4205
|R| = 0.062
cpd: GC_078
gene: AC196726.2_FG001

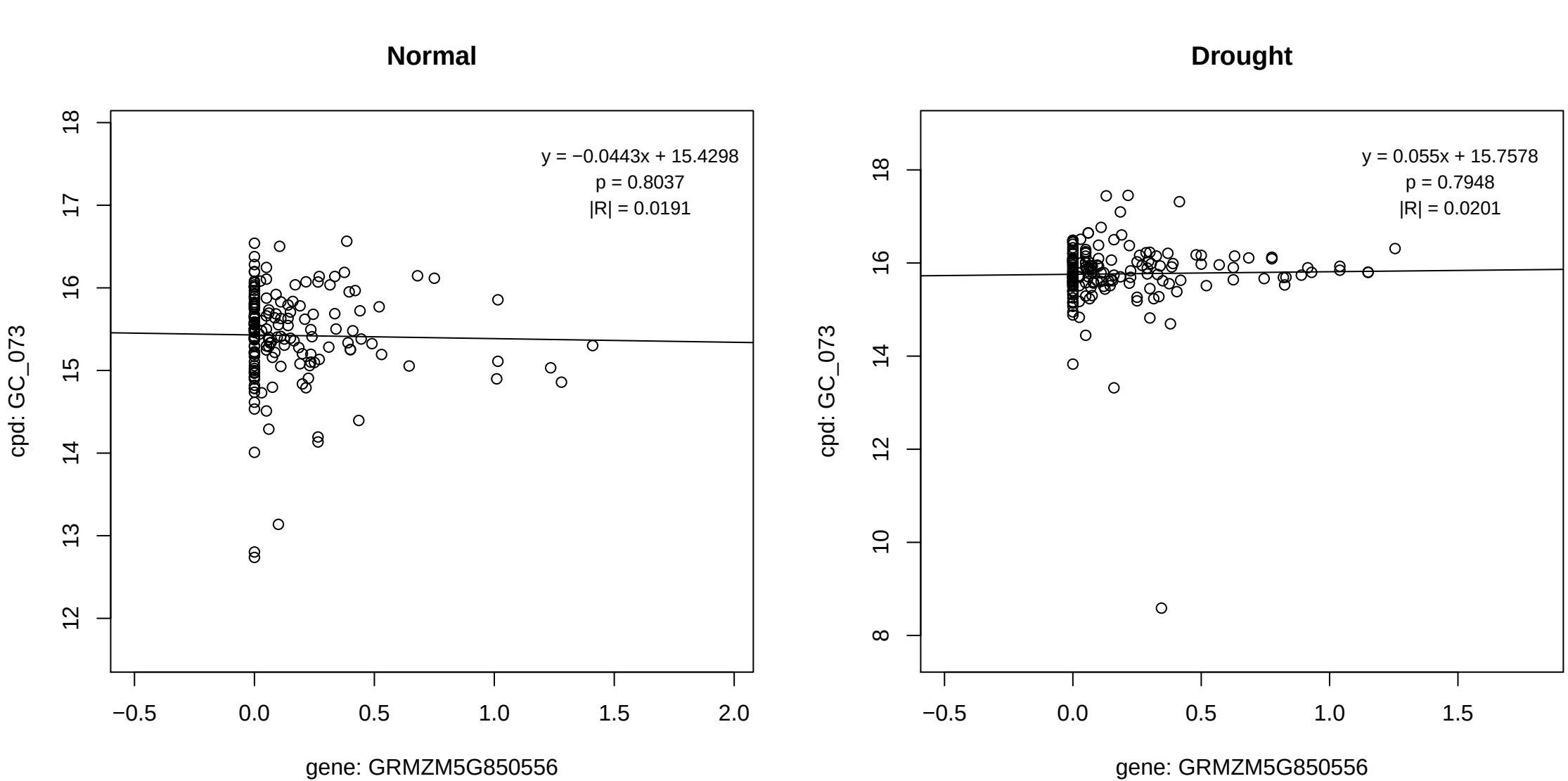

Normal
y = −0.0071x + 10.3726
p = 0.5099
|R| = 0.0507
cpd: GC_078
gene: GRMZM2G033199
Drought
y = −0.0049x + 11.5195
p = 0.6415
|R| = 0.0359
cpd: GC_078
gene: GRMZM2G033199

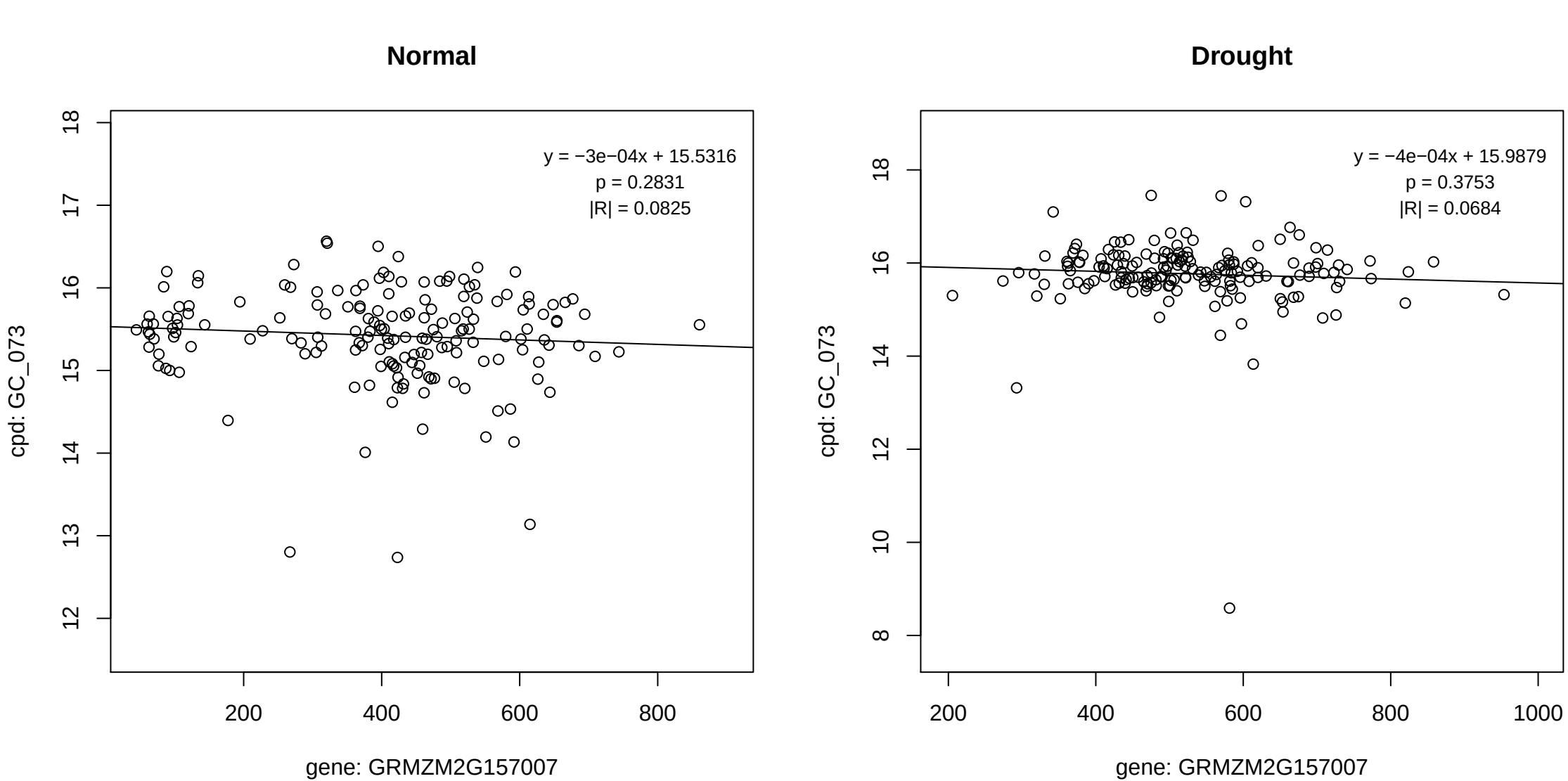

Normal
y = 9e−04x + 15.4092
p = 0.8667
|R| = 0.0129
cpd: GC_073
gene: GRMZM2G456960
Drought
y = −0.0027x + 15.8199
p = 0.7033
|R| = 0.0294
cpd: GC_073
gene: GRMZM2G456960

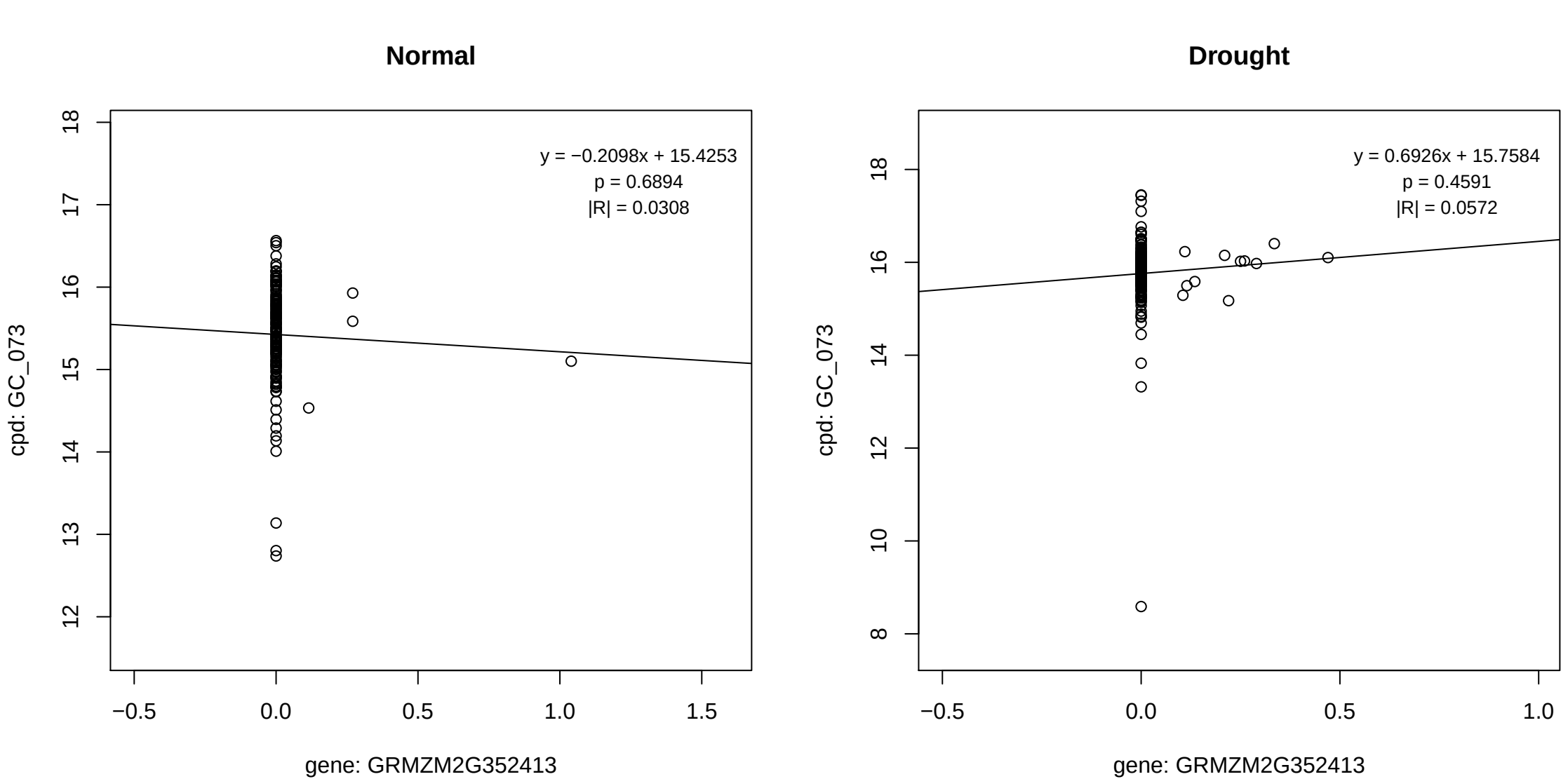

Normal
y = −1e−04x + 15.4599
p = 0.8071
|R| = 0.0188
cpd: GC_073
gene: GRMZM2G081462
Drought
y = −1e−04x + 15.8169
p = 0.8316
|R| = 0.0164
cpd: GC_073
gene: GRMZM2G081462

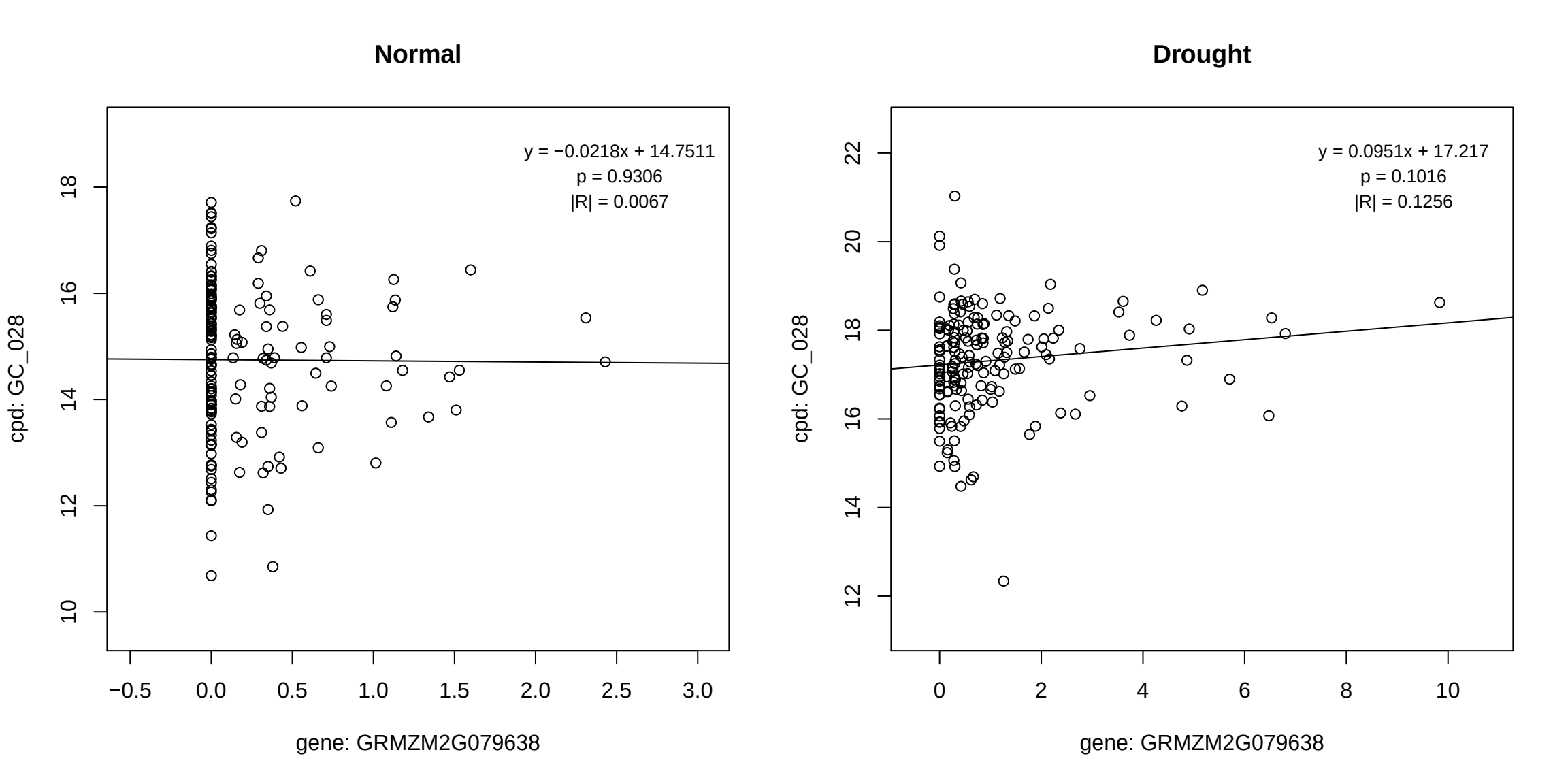

Normal
y = −0.0108x + 15.6977
p = 0.0627
|R| = 0.1427
cpd: GC_073
gene: GRMZM2G132804
Drought
y = 0.0019x + 15.7165
p = 0.806
|R| = 0.019
cpd: GC_073
gene: GRMZM2G132804

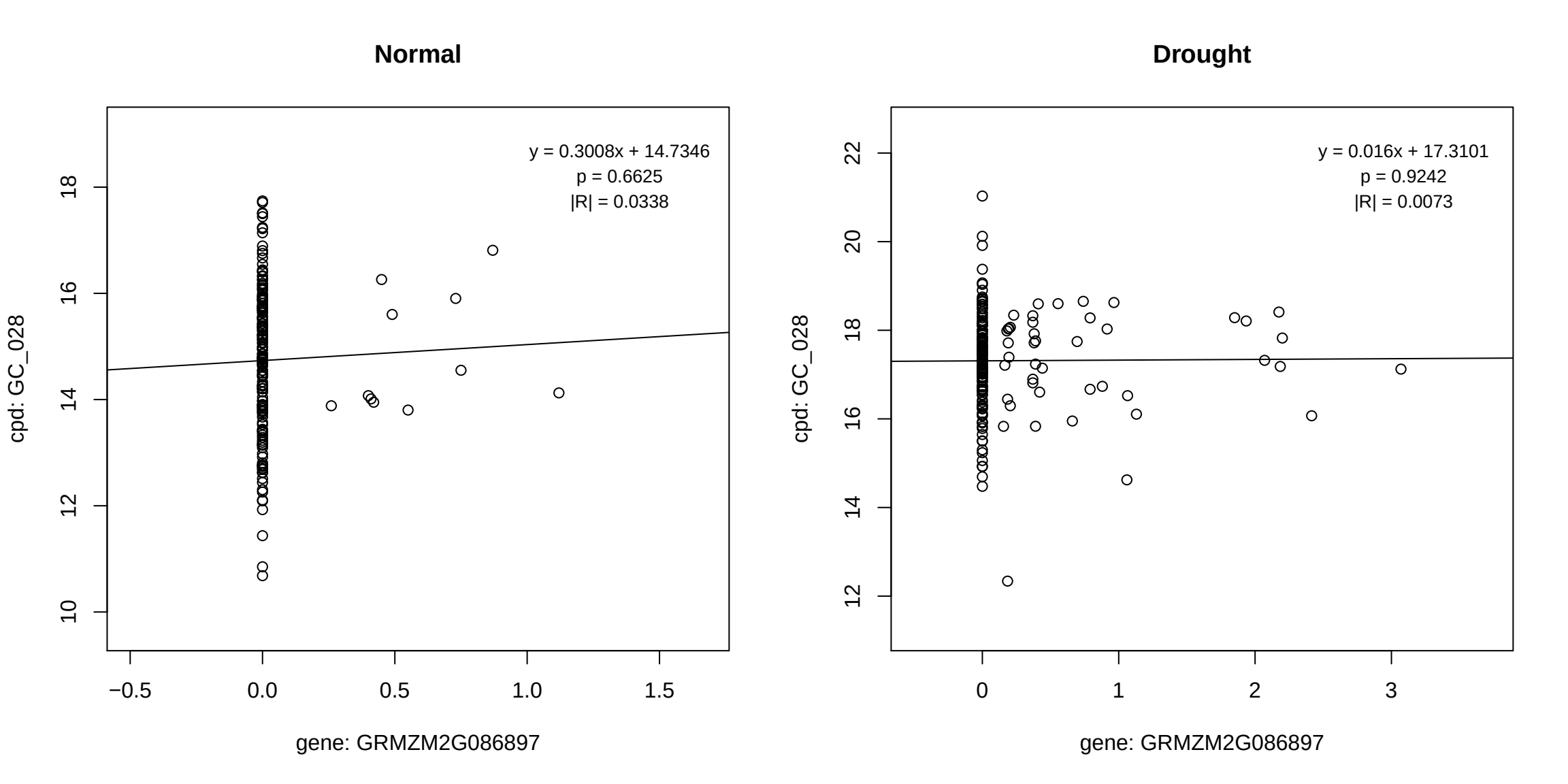

Normal
y = 0.004x + 15.4195
p = 0.8496
|R| = 0.0146
cpd: GC_073
gene: GRMZM2G456923
Drought
y = −0.054x + 15.8548
p = 0.1459
|R| = 0.112
cpd: GC_073
gene: GRMZM2G456923

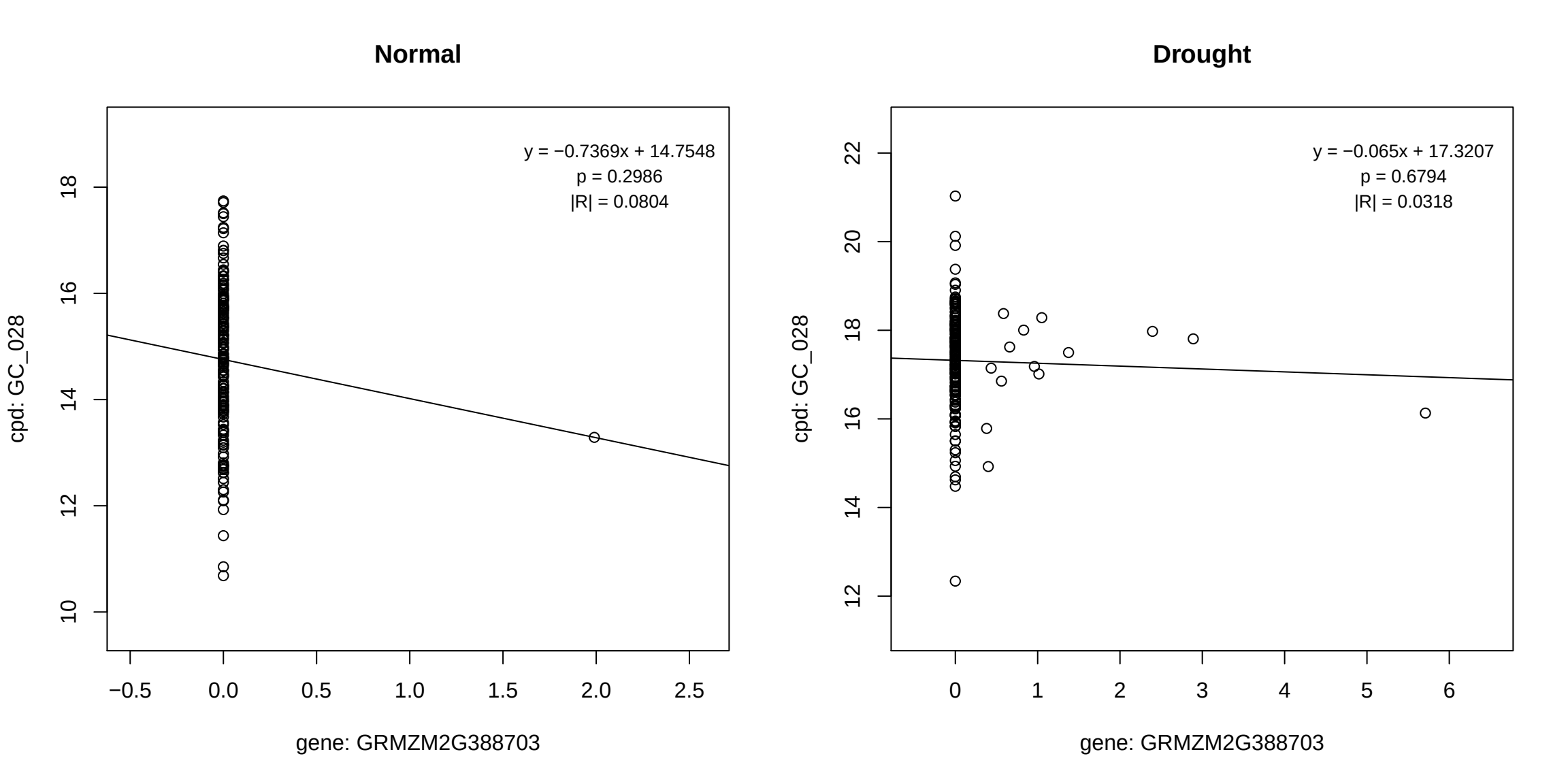

Normal
y = −0.0443x + 15.4298
p = 0.8037
|R| = 0.0191
cpd: GC_073
gene: GRMZM5G850556
Drought
y = 0.055x + 15.7578
p = 0.7948
|R| = 0.0201
cpd: GC_073
gene: GRMZM5G850556

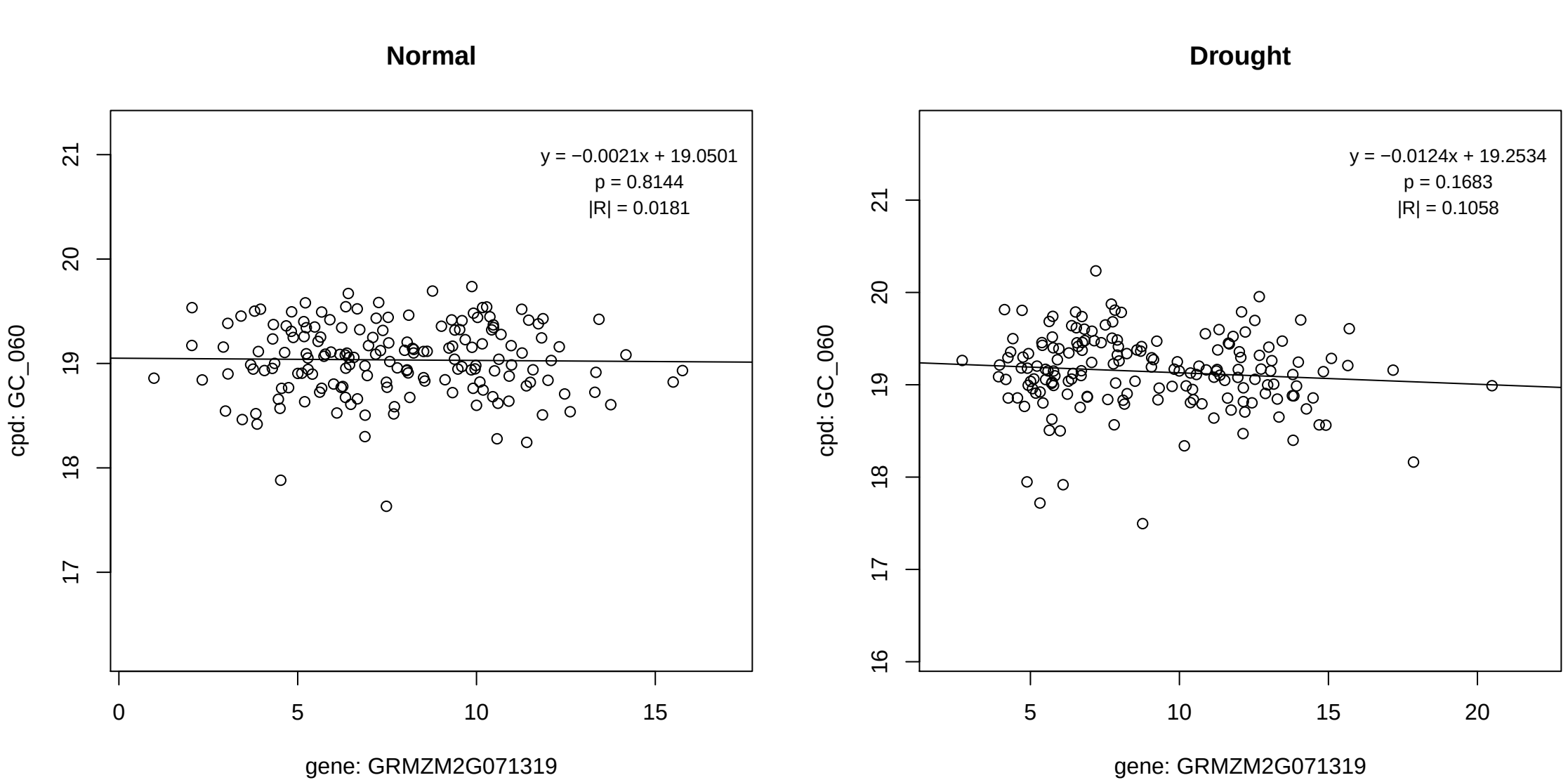

Normal
y = −3e−04x + 15.5316
p = 0.2831
|R| = 0.0825
cpd: GC_073
gene: GRMZM2G157007
Drought
y = −4e−04x + 15.9879
p = 0.3753
|R| = 0.0684
cpd: GC_073
gene: GRMZM2G157007

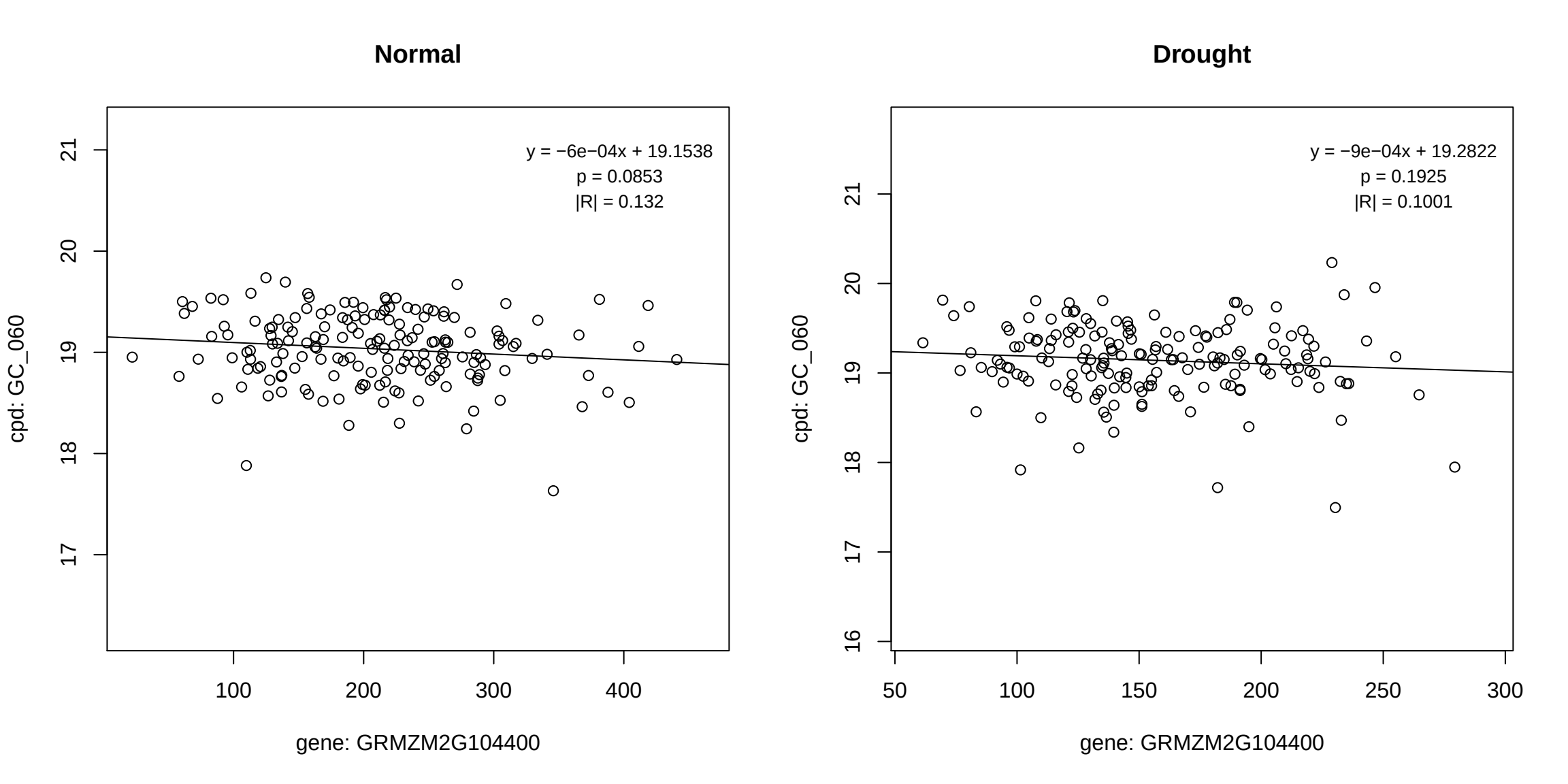

Normal
y = −0.2098x + 15.4253
p = 0.6894
|R| = 0.0308
cpd: GC_073
gene: GRMZM2G352413
Drought
y = 0.6926x + 15.7584
p = 0.4591
|R| = 0.0572
cpd: GC_073
gene: GRMZM2G352413

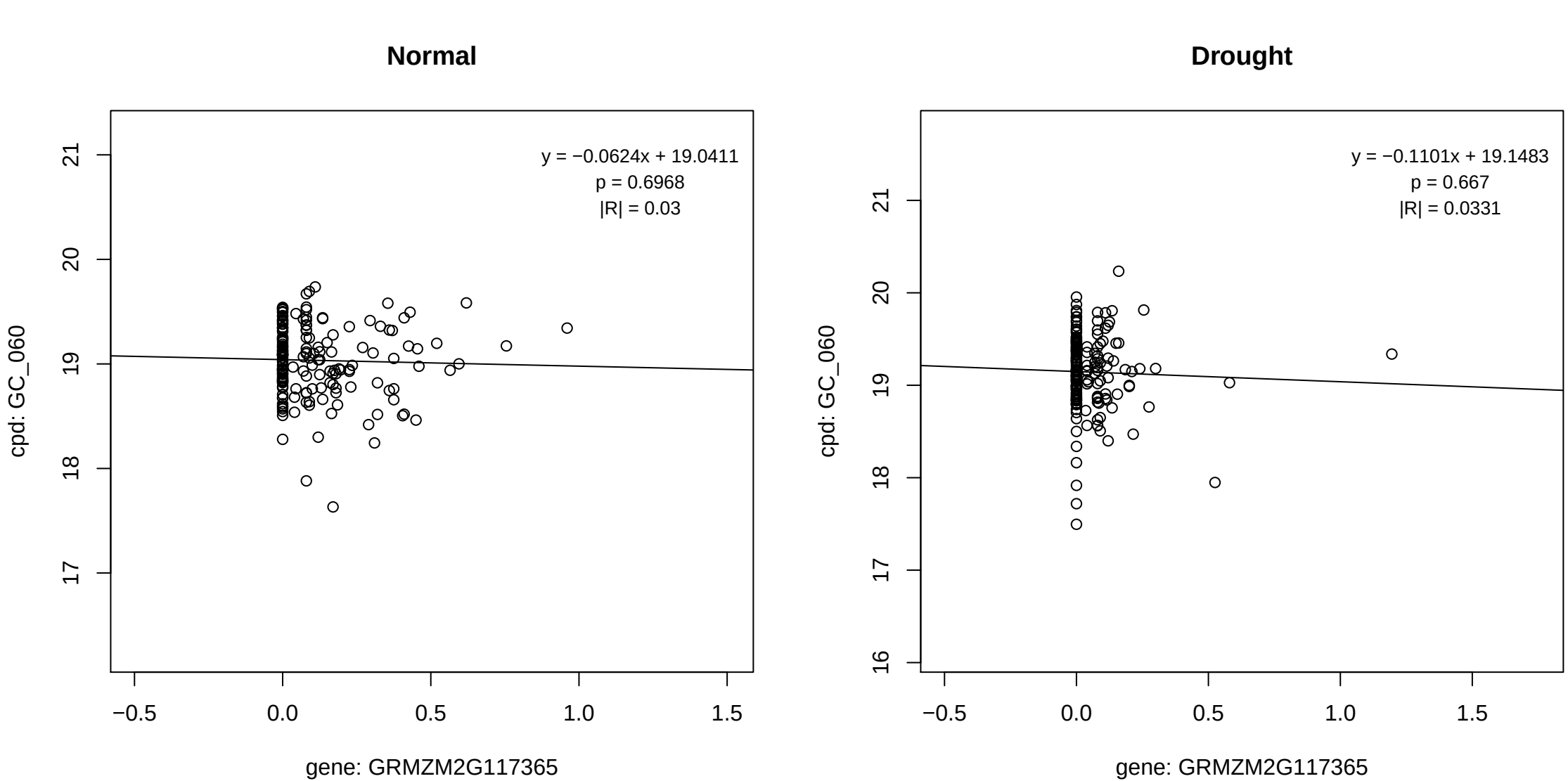

Normal
y = −0.0218x + 14.7511
p = 0.9306
|R| = 0.0067
cpd: GC_028
gene: GRMZM2G079638
Drought
y = 0.0951x + 17.217
p = 0.1016
|R| = 0.1256
cpd: GC_028
gene: GRMZM2G079638

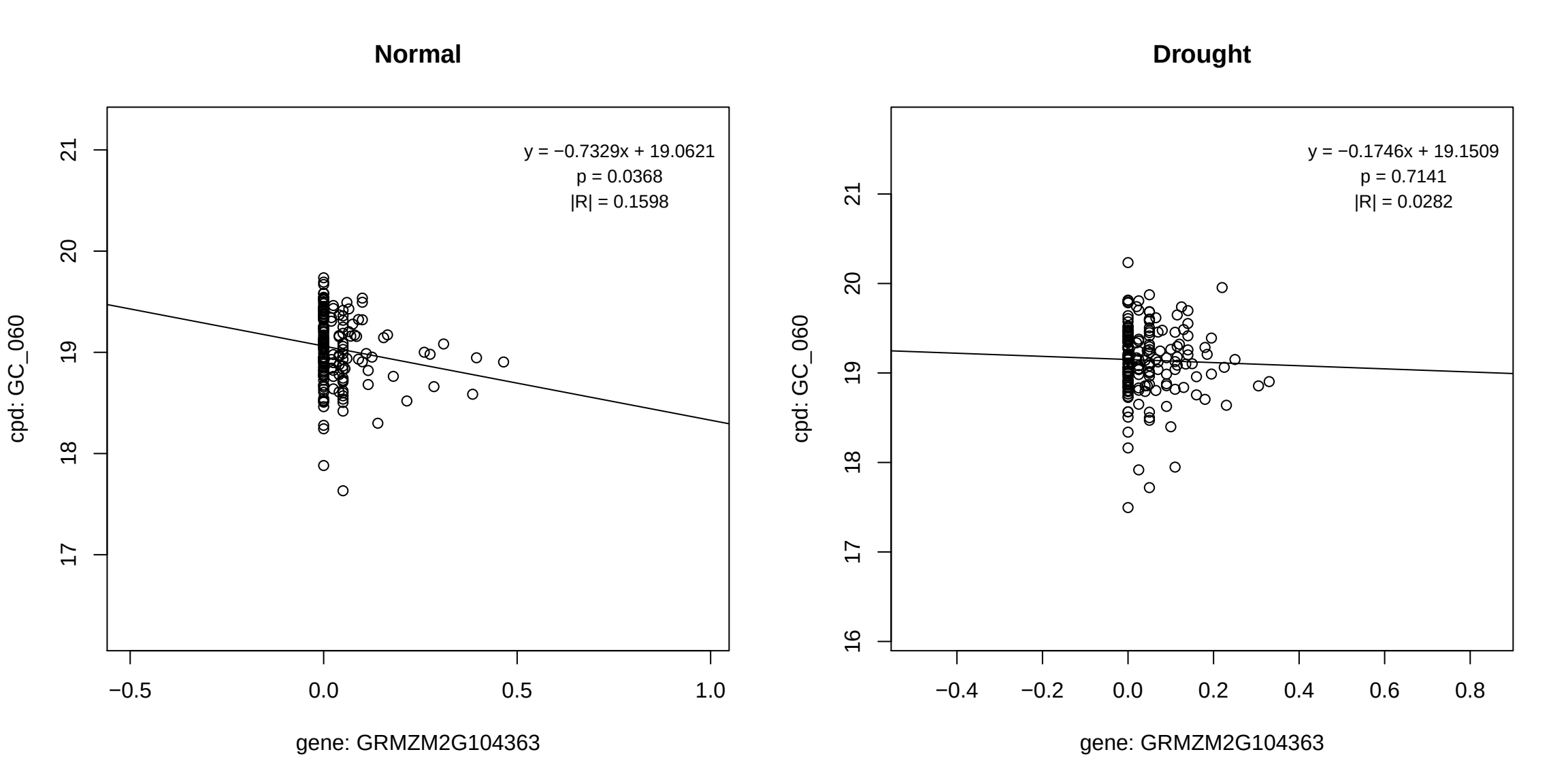

Normal
y = 0.3008x + 14.7346
p = 0.6625
|R| = 0.0338
cpd: GC_028
gene: GRMZM2G086897
Drought
y = 0.016x + 17.3101
p = 0.9242
|R| = 0.0073
cpd: GC_028
gene: GRMZM2G086897

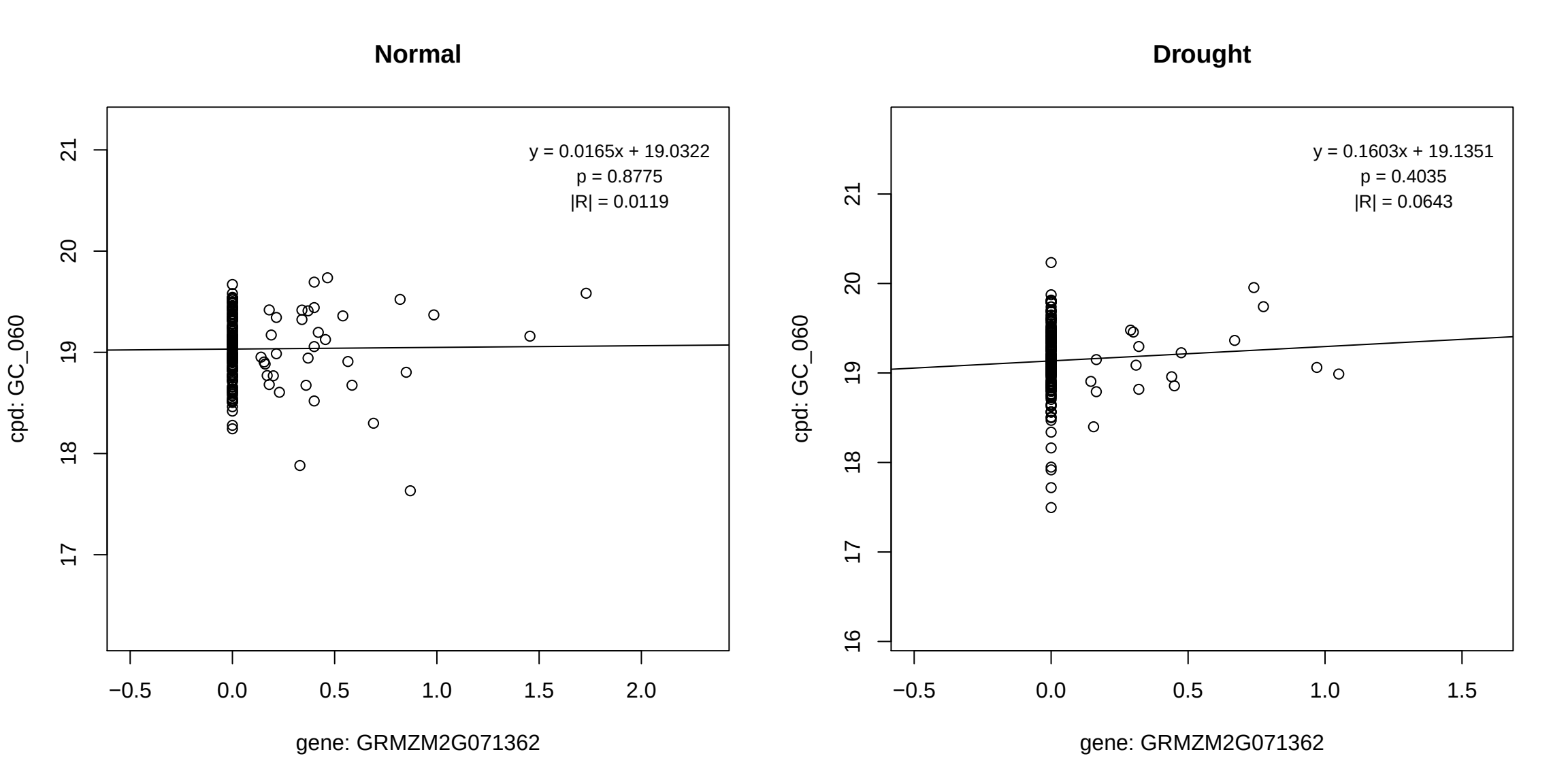

Normal
y = −0.7369x + 14.7548
p = 0.2986
|R| = 0.0804
cpd: GC_028
gene: GRMZM2G388703
Drought
y = −0.065x + 17.3207
p = 0.6794
|R| = 0.0318
cpd: GC_028
gene: GRMZM2G388703

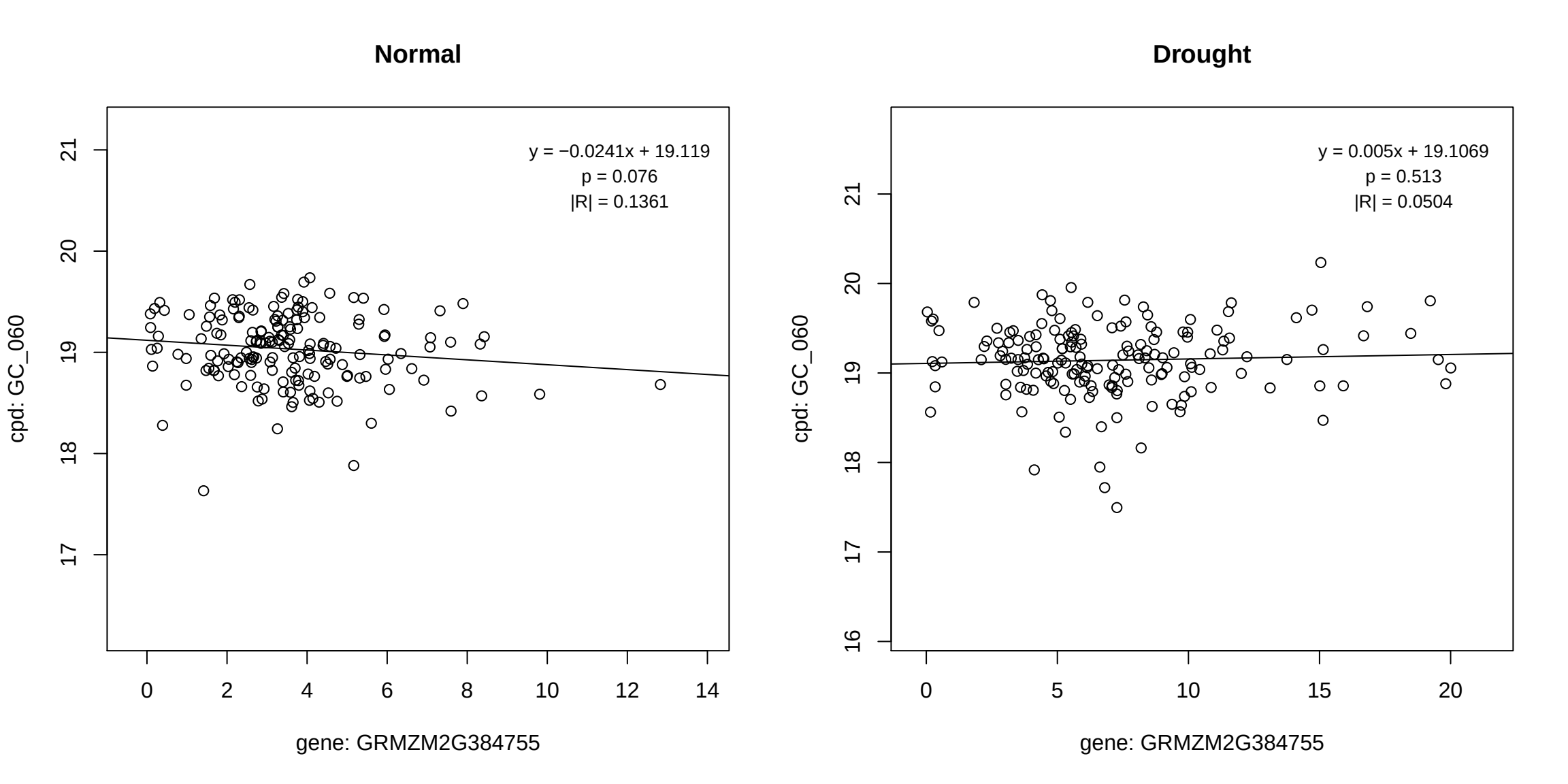

Normal
y = −0.0021x + 19.0501
p = 0.8144
|R| = 0.0181
cpd: GC_060
gene: GRMZM2G071319
Drought
y = −0.0124x + 19.2534
p = 0.1683
|R| = 0.1058
cpd: GC_060
gene: GRMZM2G071319

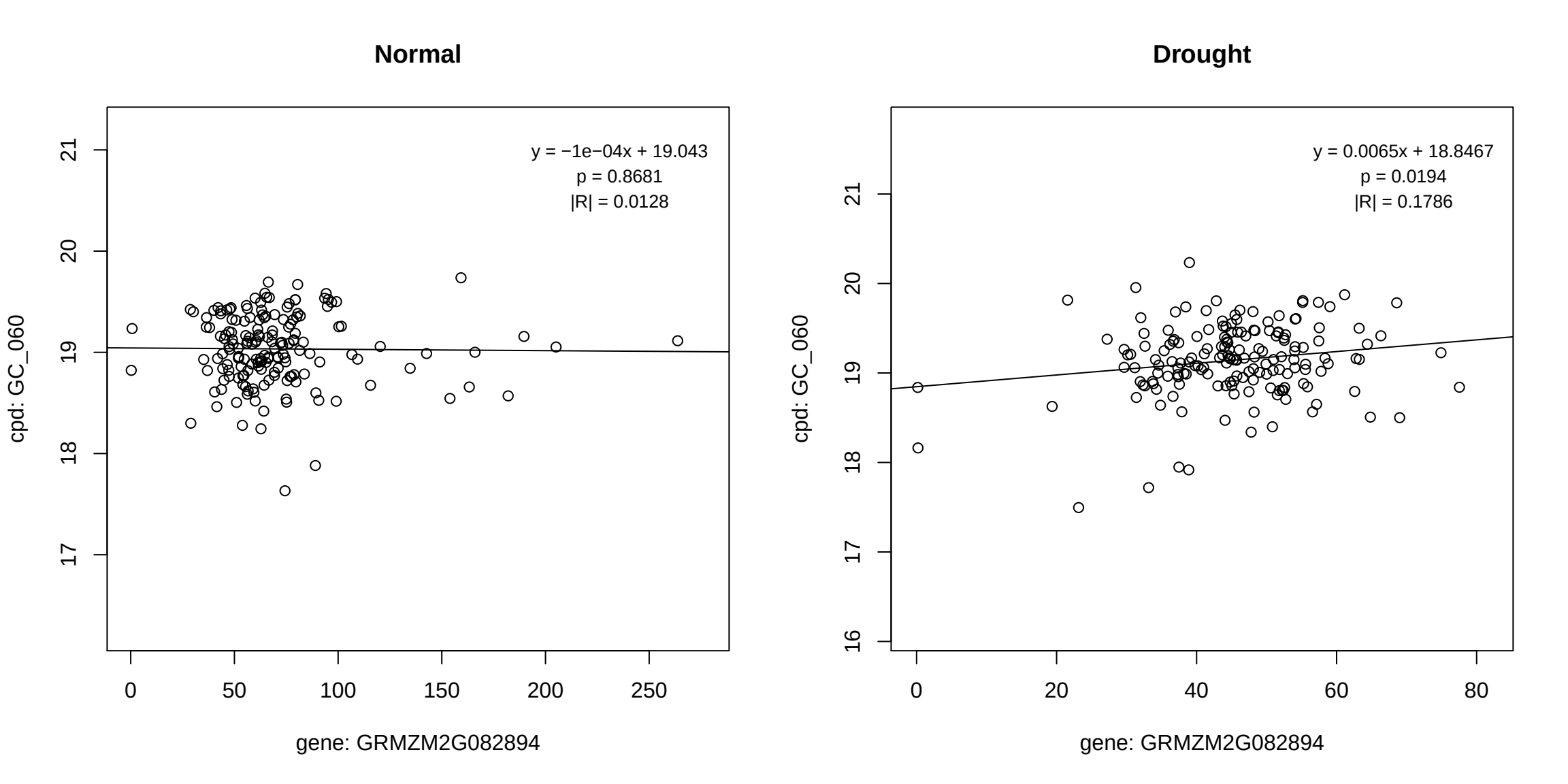

Normal
y = −6e−04x + 19.1538
p = 0.0853
|R| = 0.132
cpd: GC_060
gene: GRMZM2G104400
Drought
y = −9e−04x + 19.2822
p = 0.1925
|R| = 0.1001
cpd: GC_060
gene: GRMZM2G104400

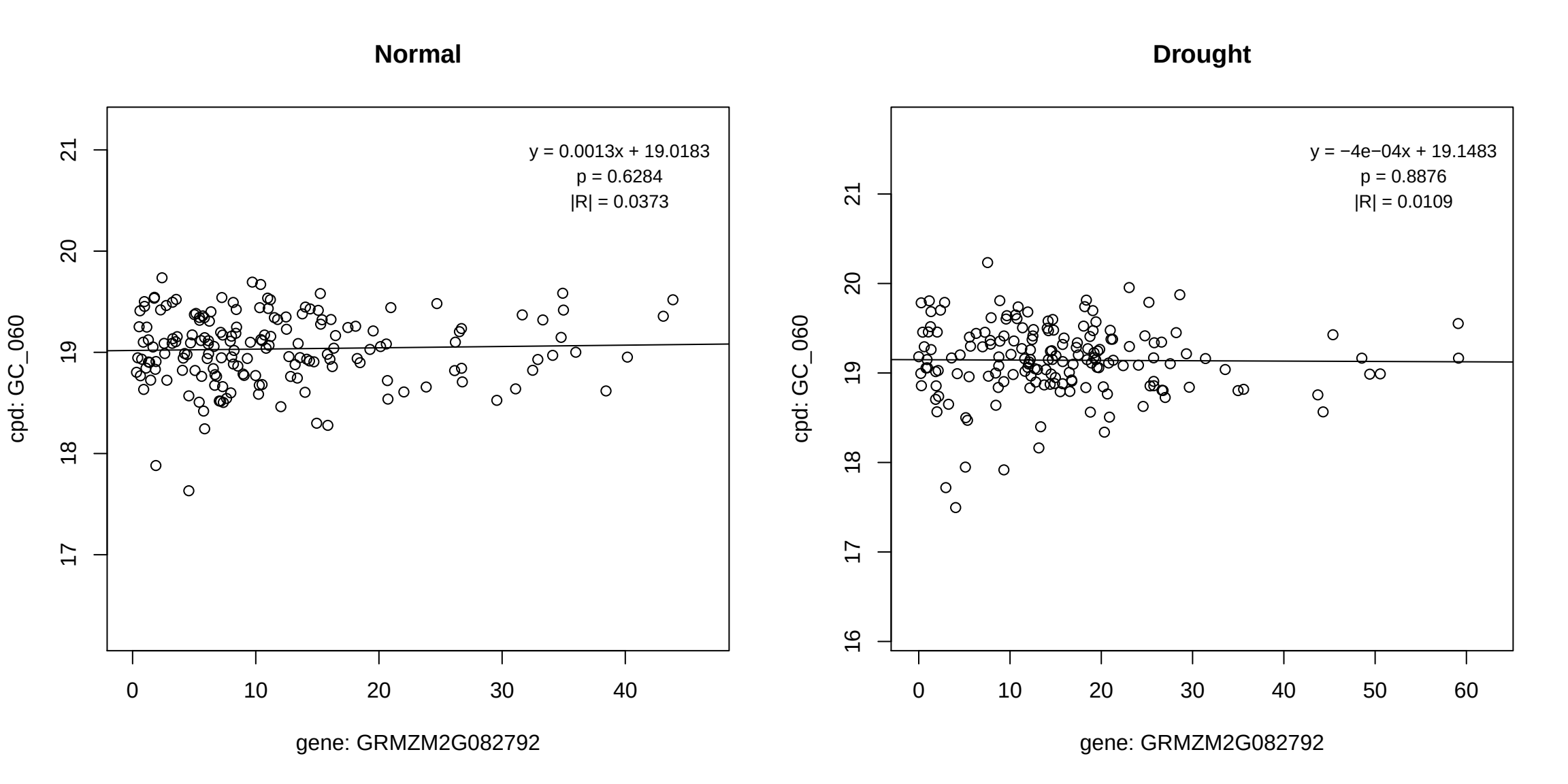

Normal
y = −0.0624x + 19.0411
p = 0.6968
|R| = 0.03
cpd: GC_060
gene: GRMZM2G117365
Drought
y = −0.1101x + 19.1483
p = 0.667
|R| = 0.0331
cpd: GC_060
gene: GRMZM2G117365

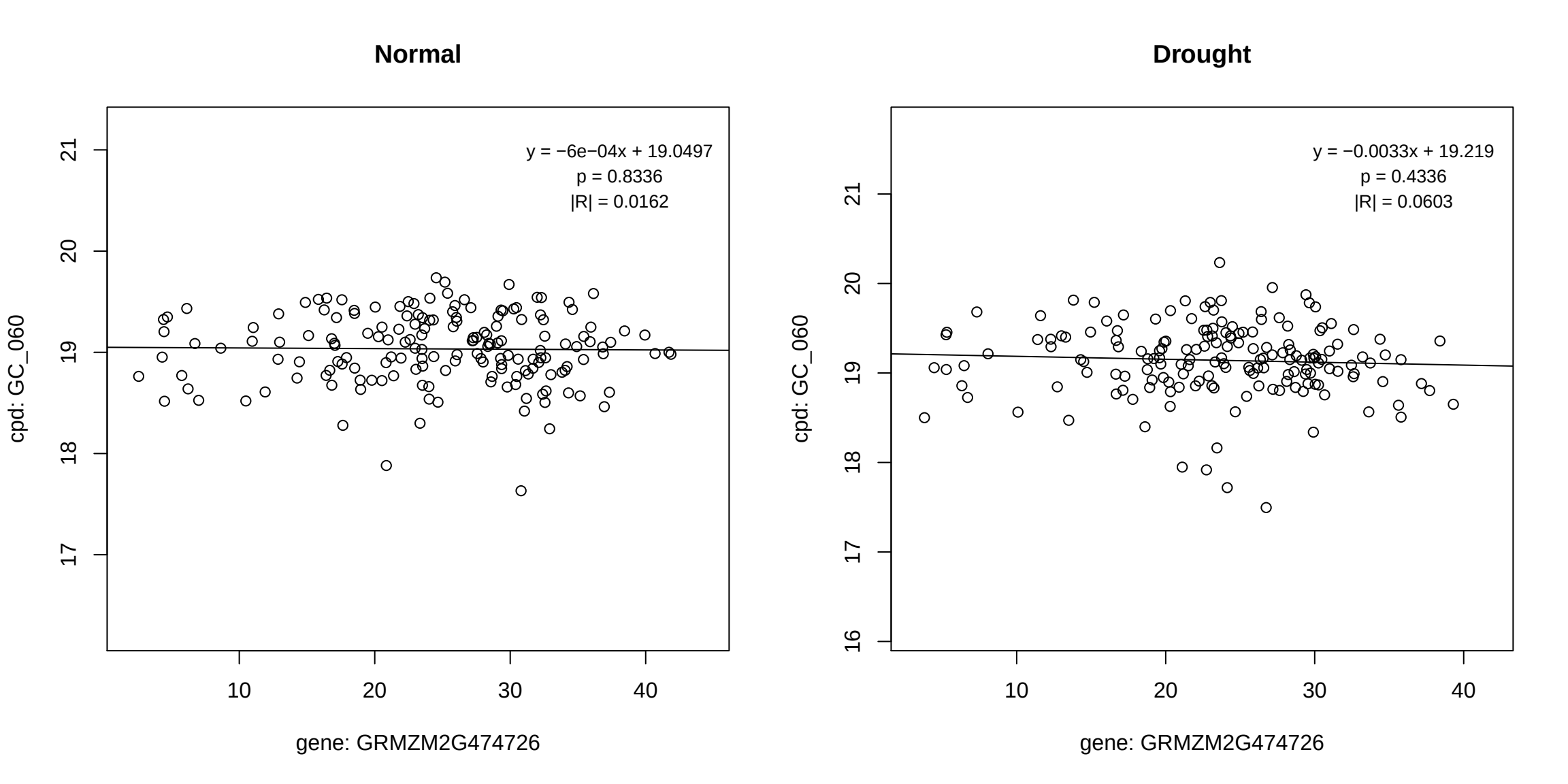

Normal
y = −0.7329x + 19.0621
p = 0.0368
|R| = 0.1598
cpd: GC_060
gene: GRMZM2G104363
Drought
y = −0.1746x + 19.1509
p = 0.7141
|R| = 0.0282
cpd: GC_060
gene: GRMZM2G104363

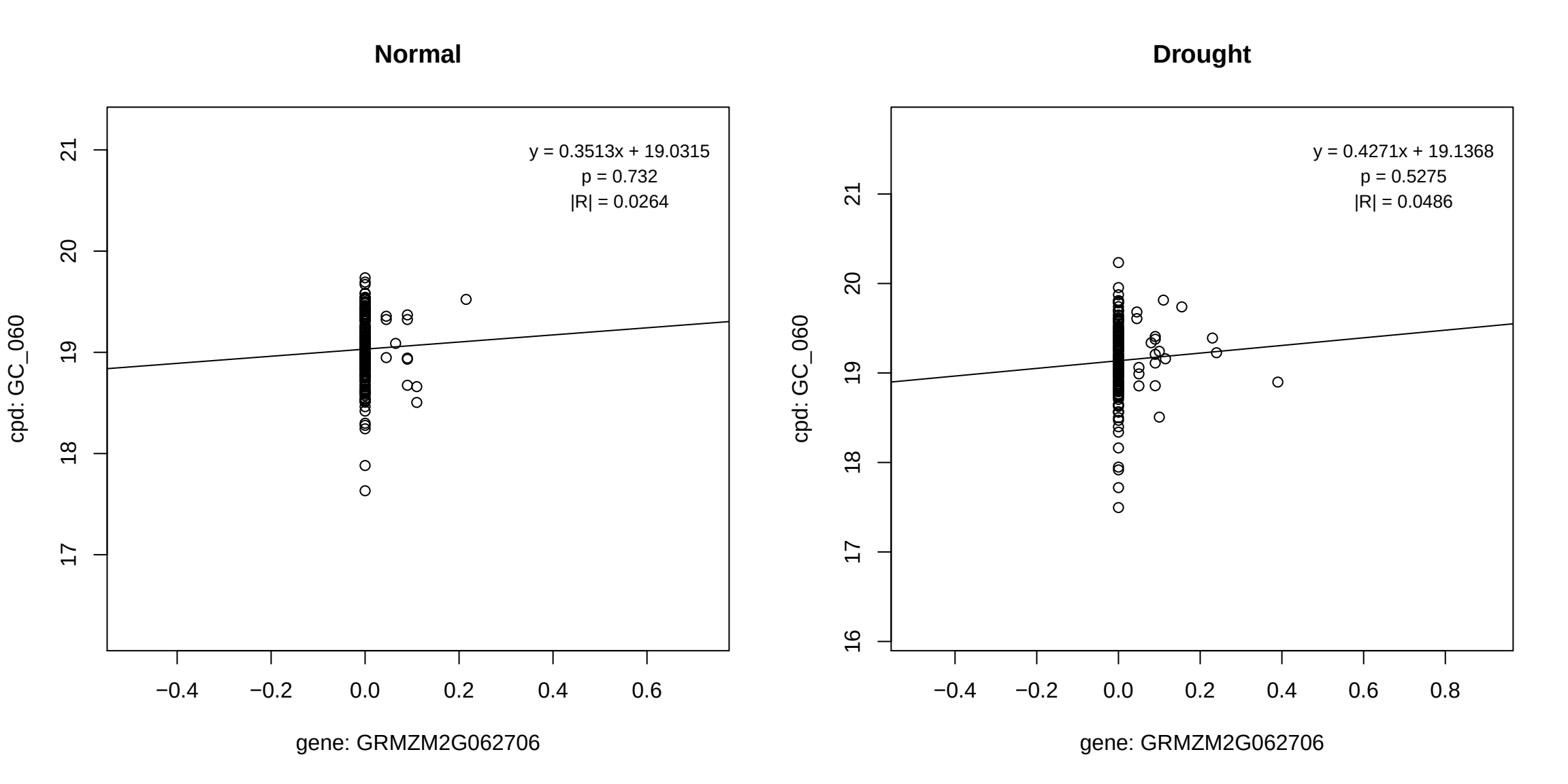

Normal
y = 0.0165x + 19.0322
p = 0.8775
|R| = 0.0119
cpd: GC_060
gene: GRMZM2G071362
Drought
y = 0.1603x + 19.1351
p = 0.4035
|R| = 0.0643
cpd: GC_060
gene: GRMZM2G071362

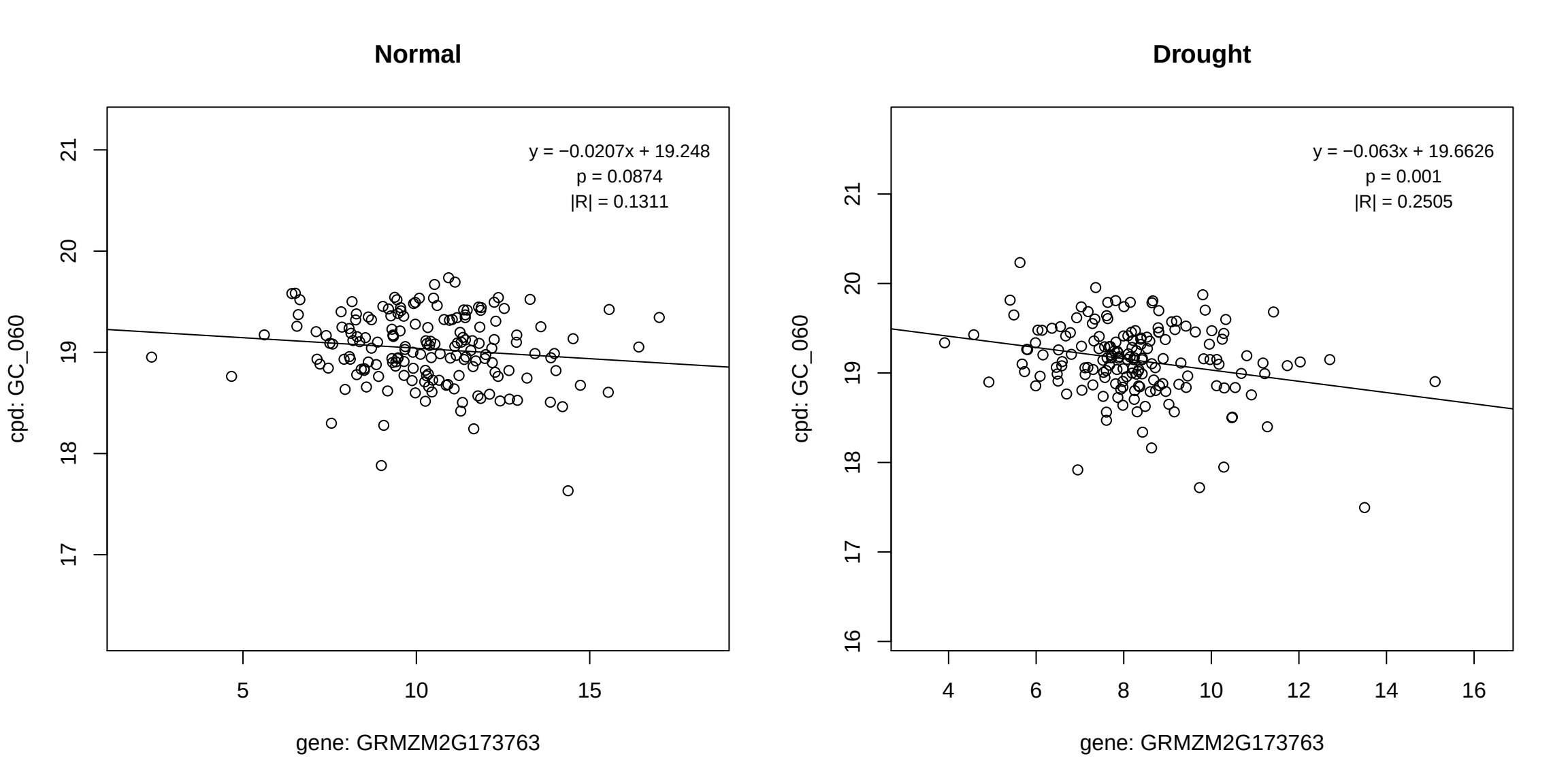

Normal
y = −0.0241x + 19.119
p = 0.076
|R| = 0.1361
cpd: GC_060
gene: GRMZM2G384755
Drought
y = 0.005x + 19.1069
p = 0.513
|R| = 0.0504
cpd: GC_060
gene: GRMZM2G384755

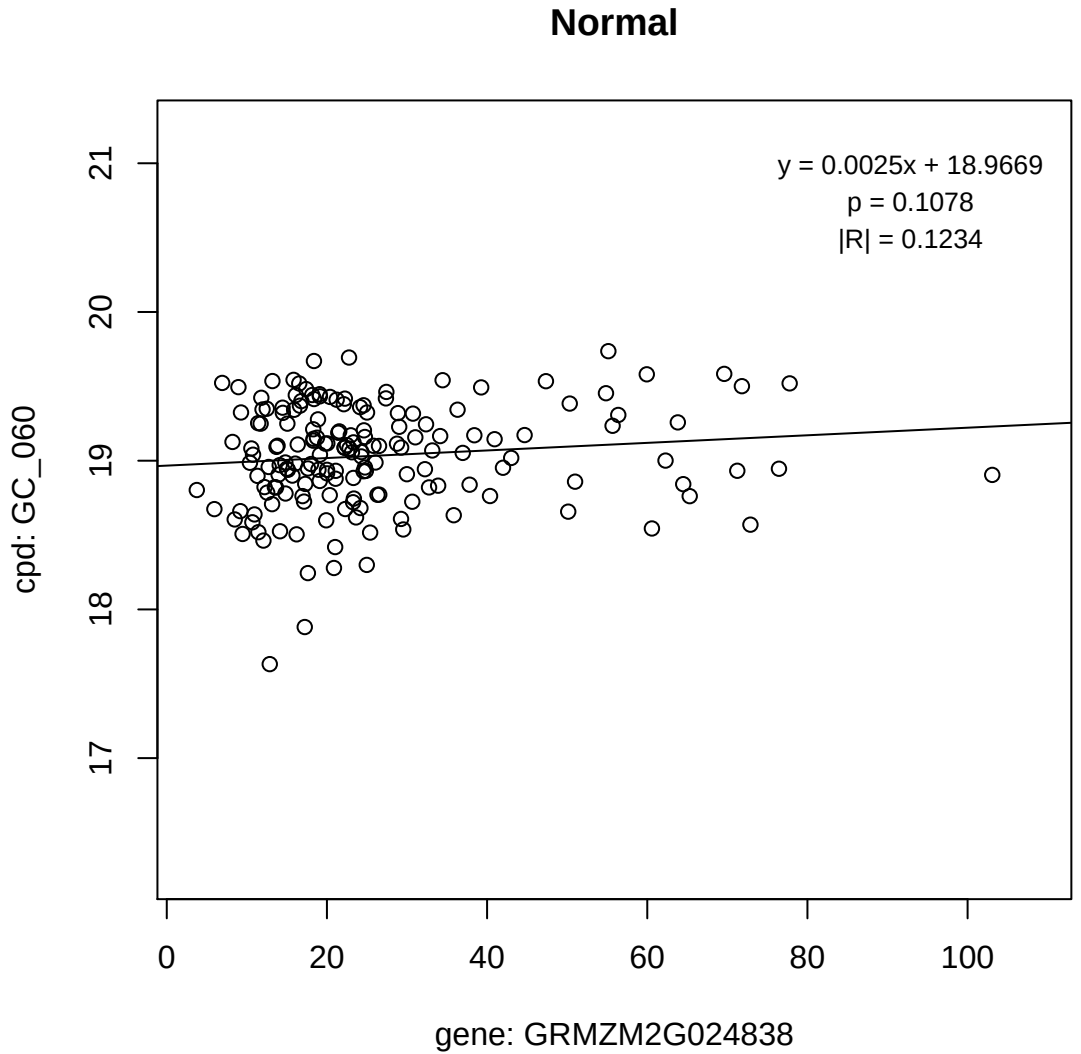

Normal
y = −1e−04x + 19.043
p = 0.8681
|R| = 0.0128
cpd: GC_060
gene: GRMZM2G082894
Drought
y = 0.0065x + 18.8467
p = 0.0194
|R| = 0.1786
cpd: GC_060
gene: GRMZM2G082894

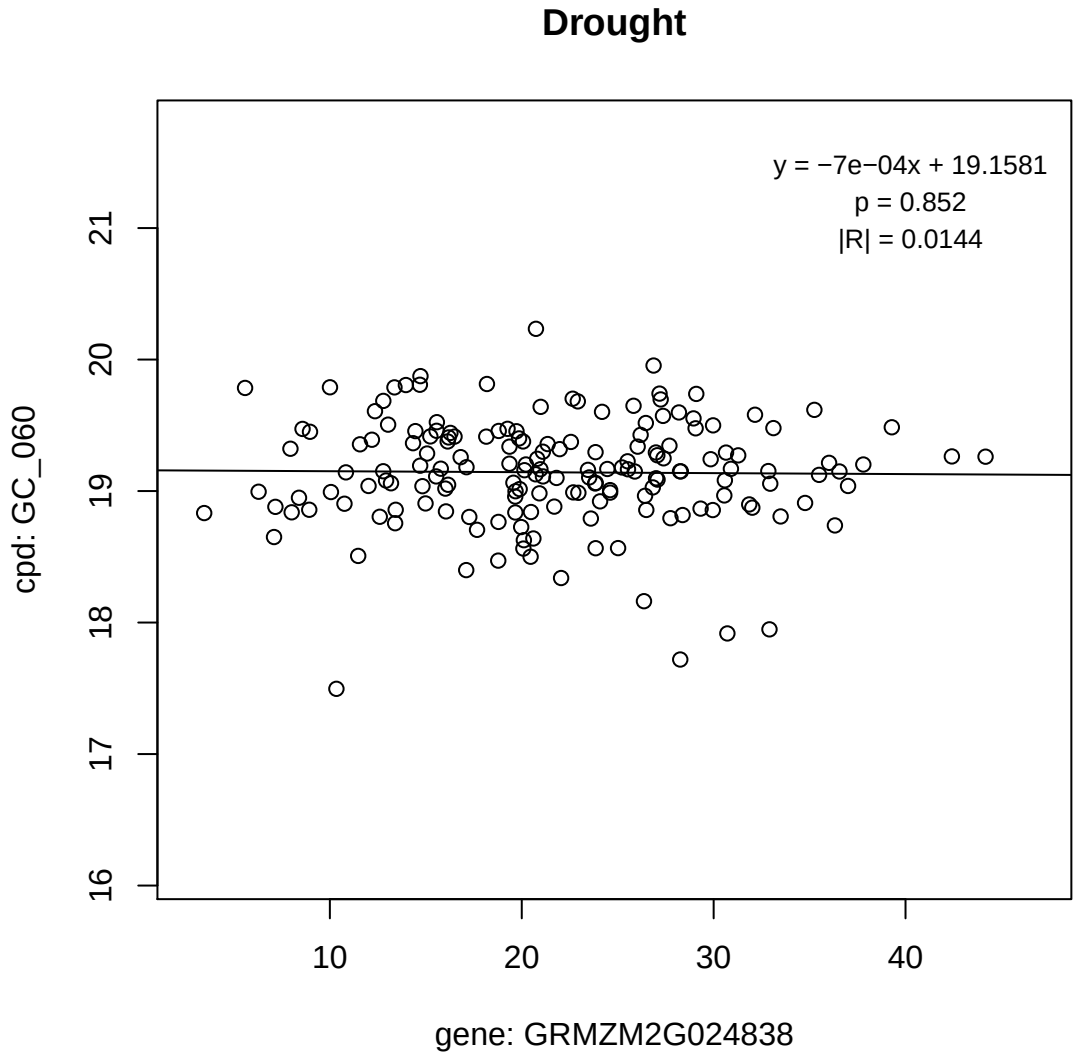

Normal
y = 0.0013x + 19.0183
p = 0.6284
|R| = 0.0373
cpd: GC_060
gene: GRMZM2G082792
Drought
y = −4e−04x + 19.1483
p = 0.8876
|R| = 0.0109
cpd: GC_060
gene: GRMZM2G082792

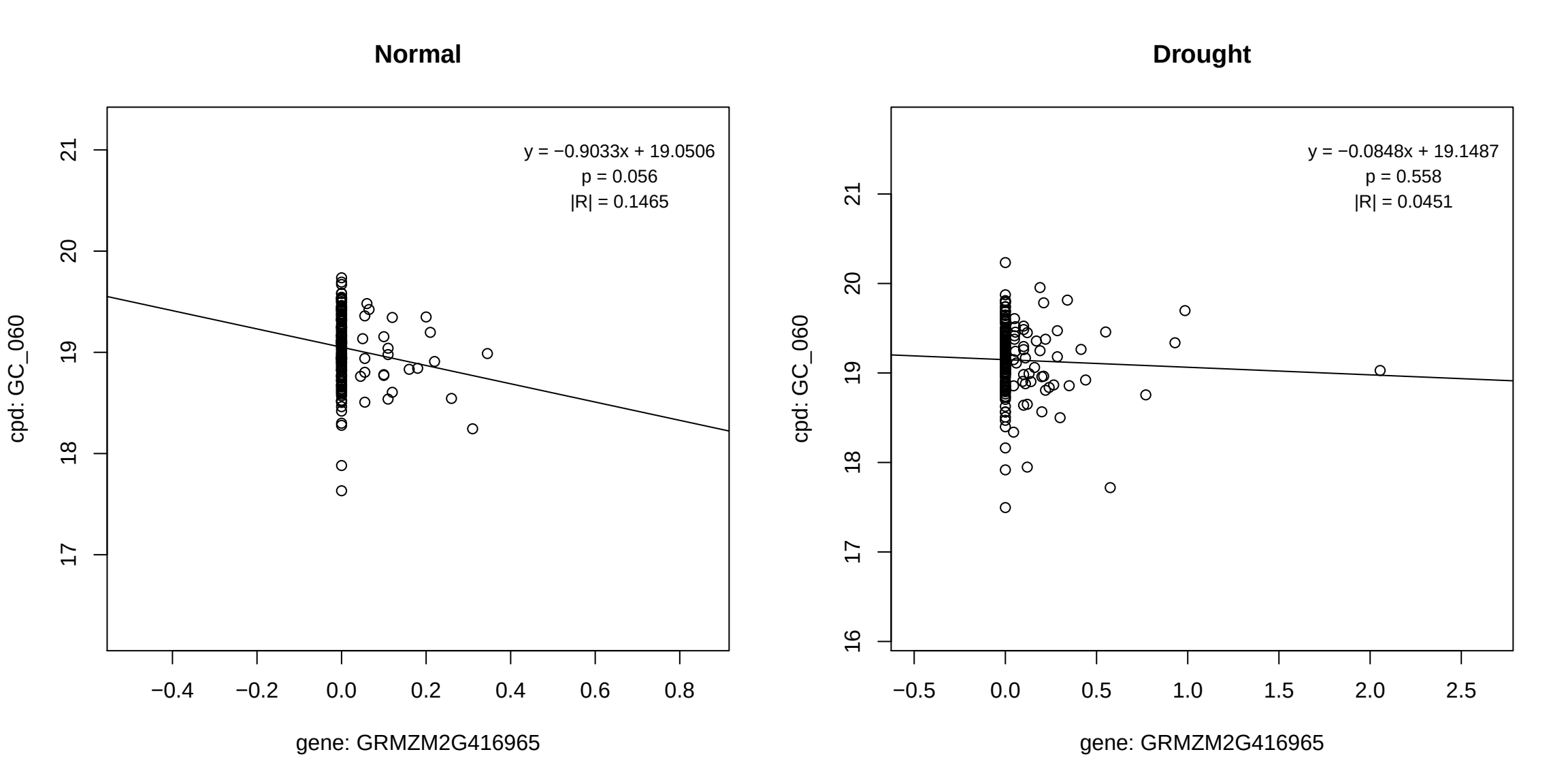

Normal
y = −6e−04x + 19.0497
p = 0.8336
|R| = 0.0162
cpd: GC_060
gene: GRMZM2G474726
Drought
y = −0.0033x + 19.219
p = 0.4336
|R| = 0.0603
cpd: GC_060
gene: GRMZM2G474726

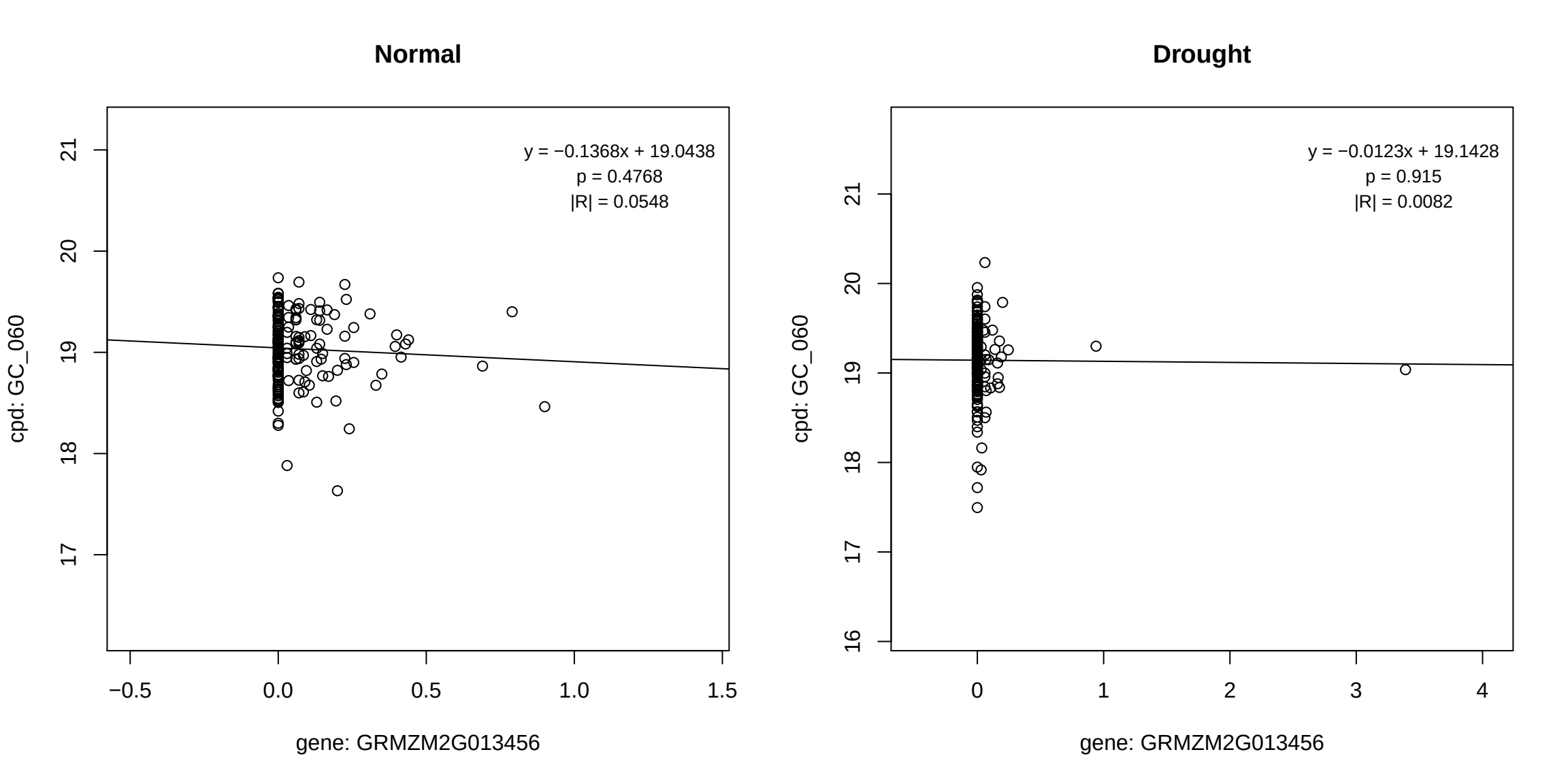

Normal
y = 0.3513x + 19.0315
p = 0.732
|R| = 0.0264
cpd: GC_060
gene: GRMZM2G062706
Drought
y = 0.4271x + 19.1368
p = 0.5275
|R| = 0.0486
cpd: GC_060
gene: GRMZM2G062706

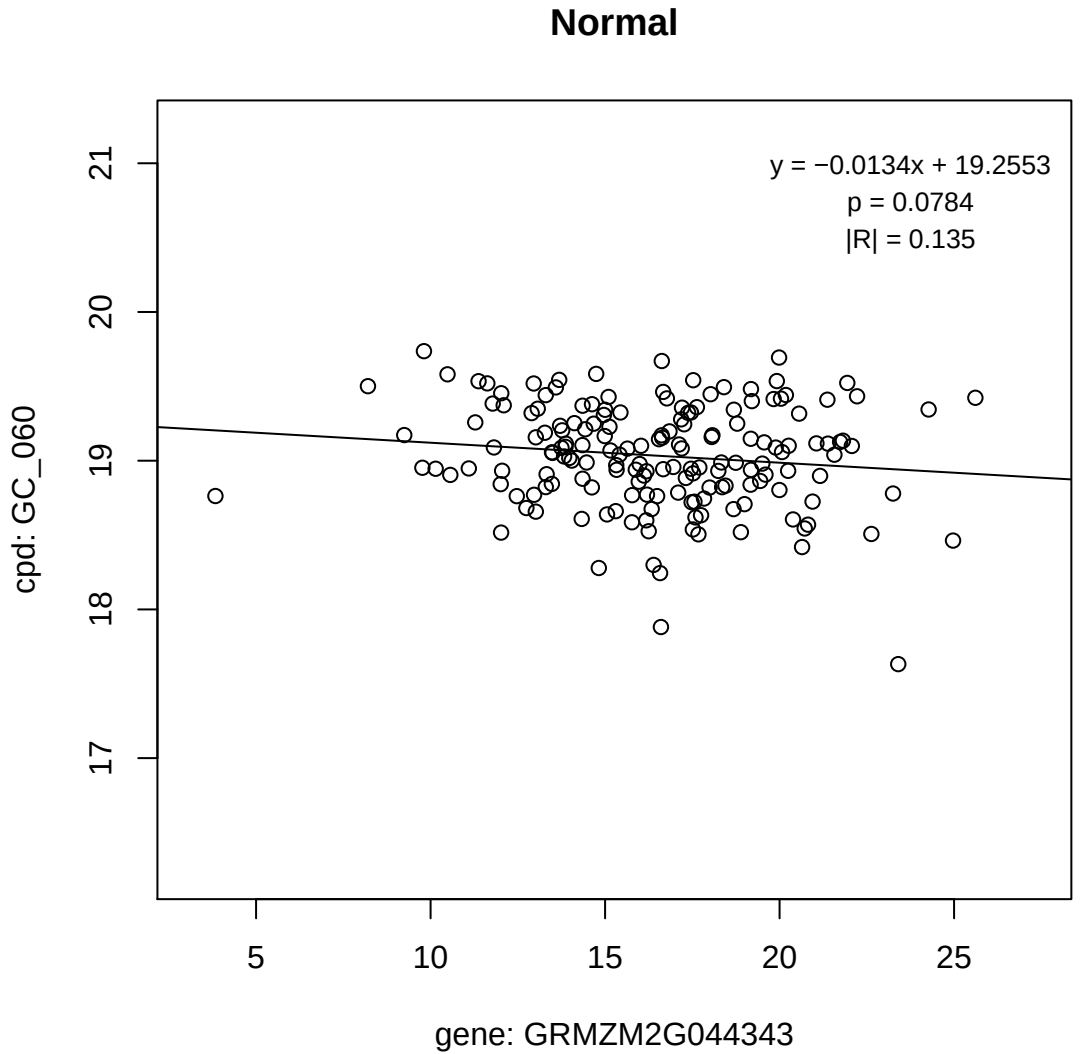

Normal
y = −0.0207x + 19.248
p = 0.0874
|R| = 0.1311
cpd: GC_060
gene: GRMZM2G173763
Drought
y = −0.063x + 19.6626
p = 0.001
|R| = 0.2505
cpd: GC_060
gene: GRMZM2G173763

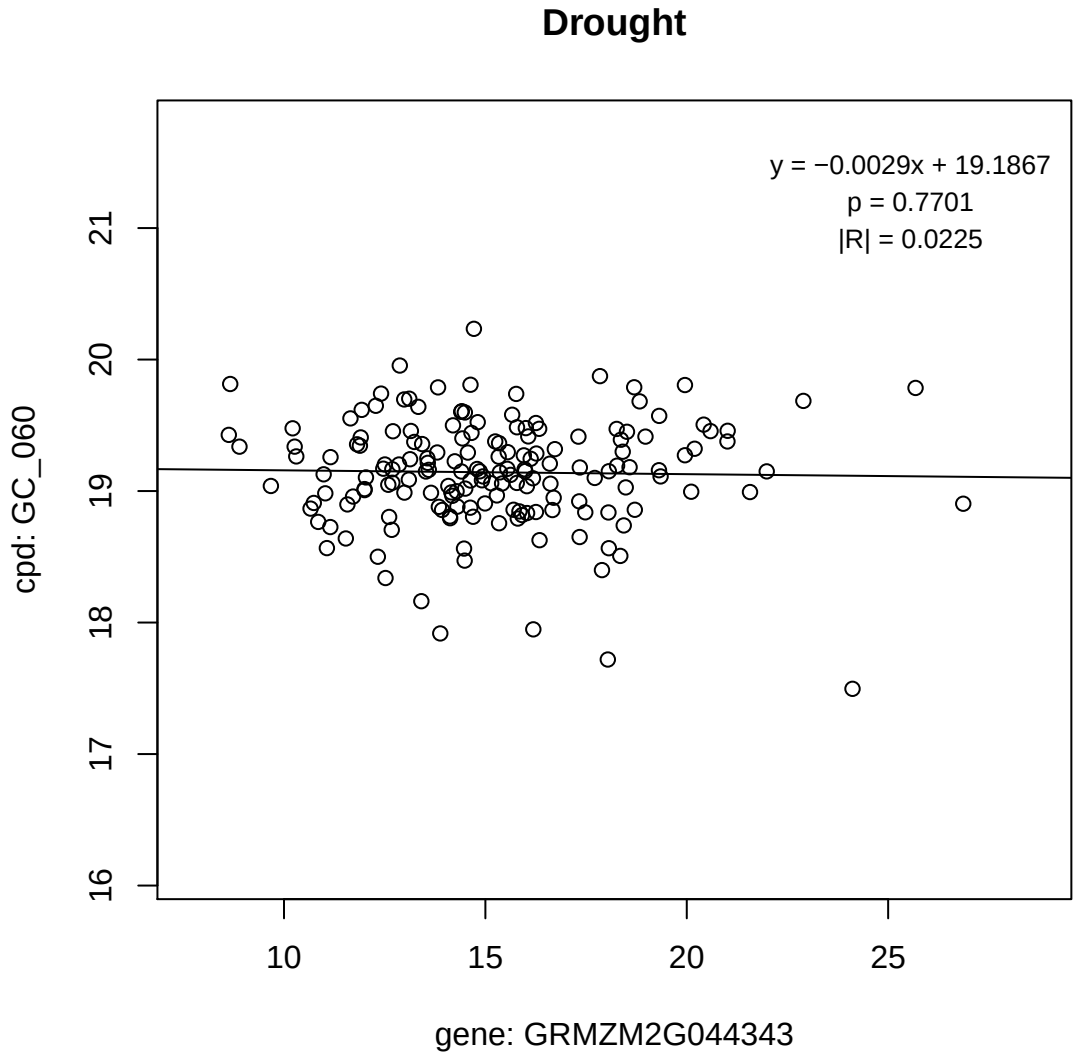

Normal
y = 0.0025x + 18.9669
p = 0.1078
|R| = 0.1234
cpd: GC_060
gene: GRMZM2G024838
17
18
19
20
21
0
20
40
60
80
100

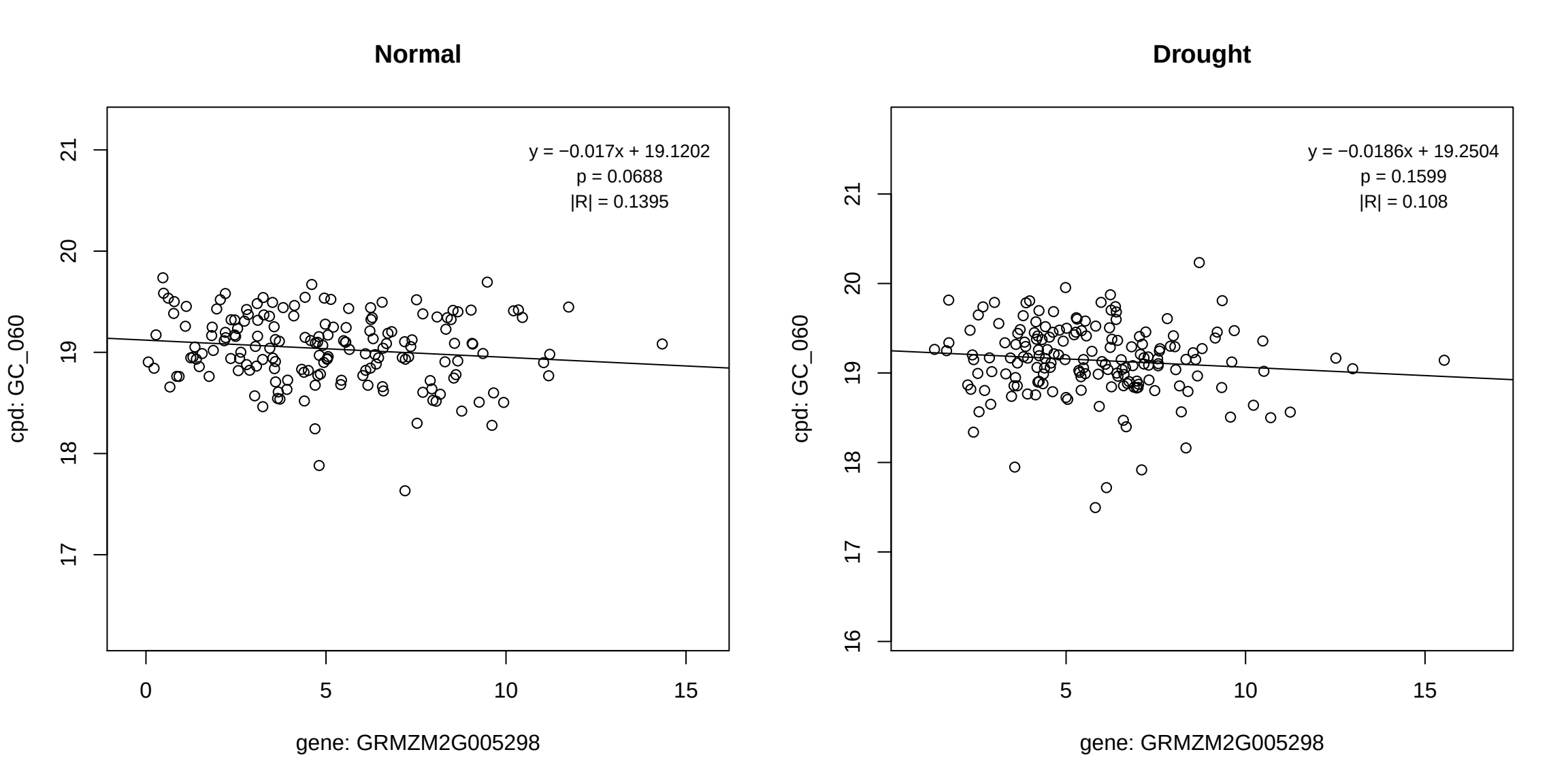

Drought
y = −7e−04x + 19.1581
p = 0.852
|R| = 0.0144
cpd: GC_060
gene: GRMZM2G024838
16
17
18
19
20
21
10
20
30
40

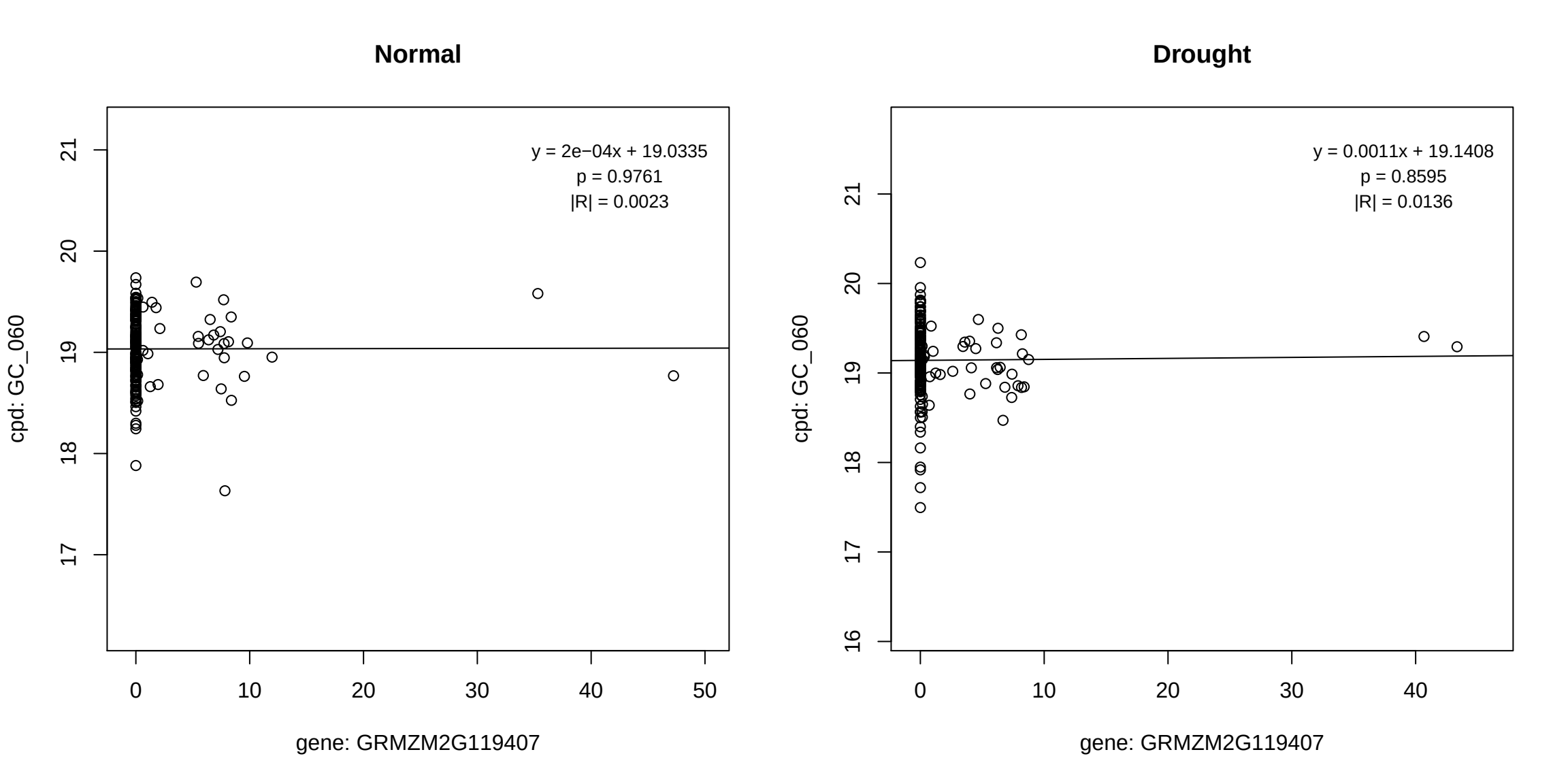

Normal
y = −0.9033x + 19.0506
p = 0.056
|R| = 0.1465
cpd: GC_060
gene: GRMZM2G416965
Drought
y = −0.0848x + 19.1487
p = 0.558
|R| = 0.0451
cpd: GC_060
gene: GRMZM2G416965

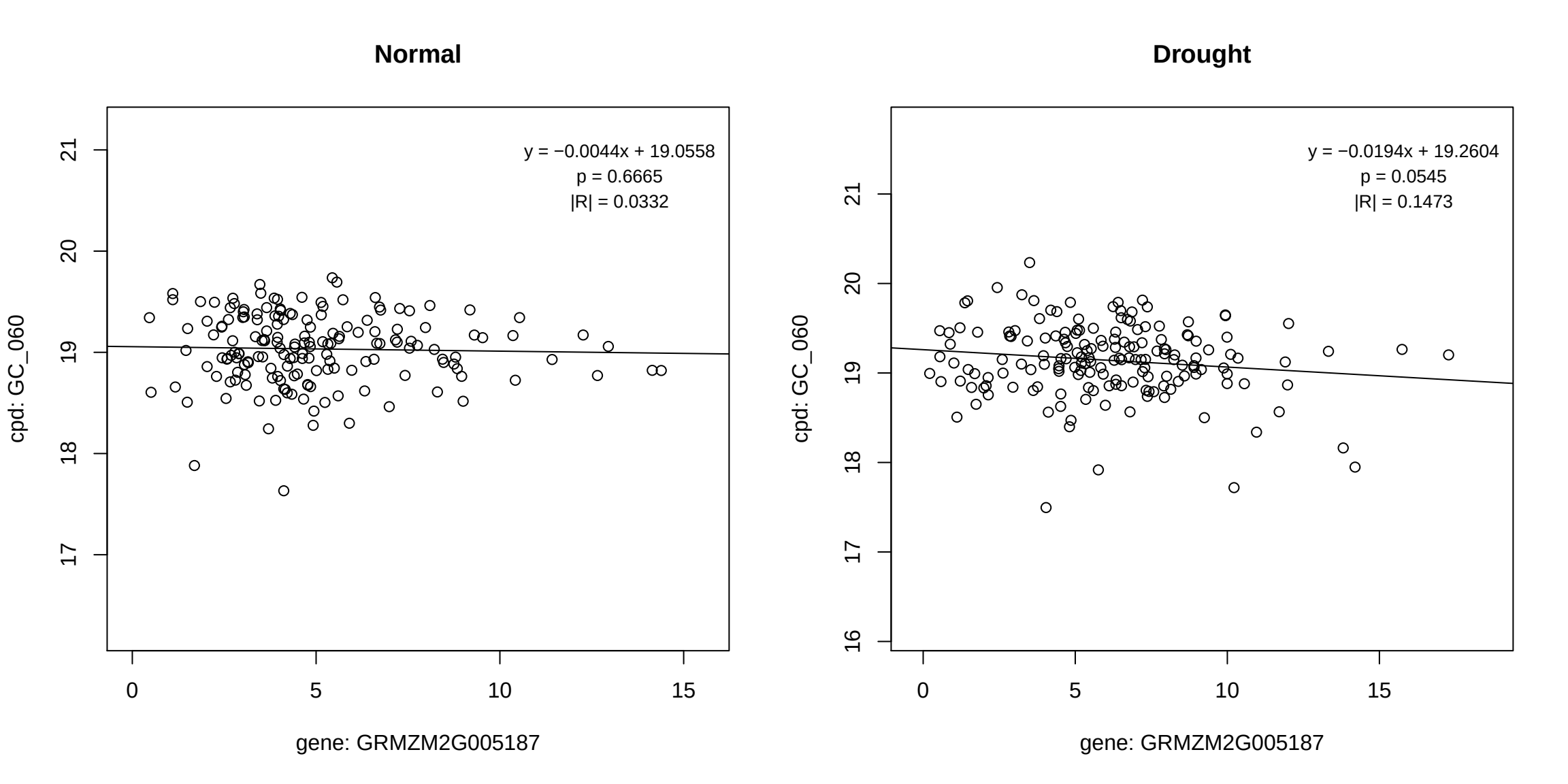

Normal
y = −0.1368x + 19.0438
p = 0.4768
|R| = 0.0548
cpd: GC_060
gene: GRMZM2G013456
Drought
y = −0.0123x + 19.1428
p = 0.915
|R| = 0.0082
cpd: GC_060
gene: GRMZM2G013456

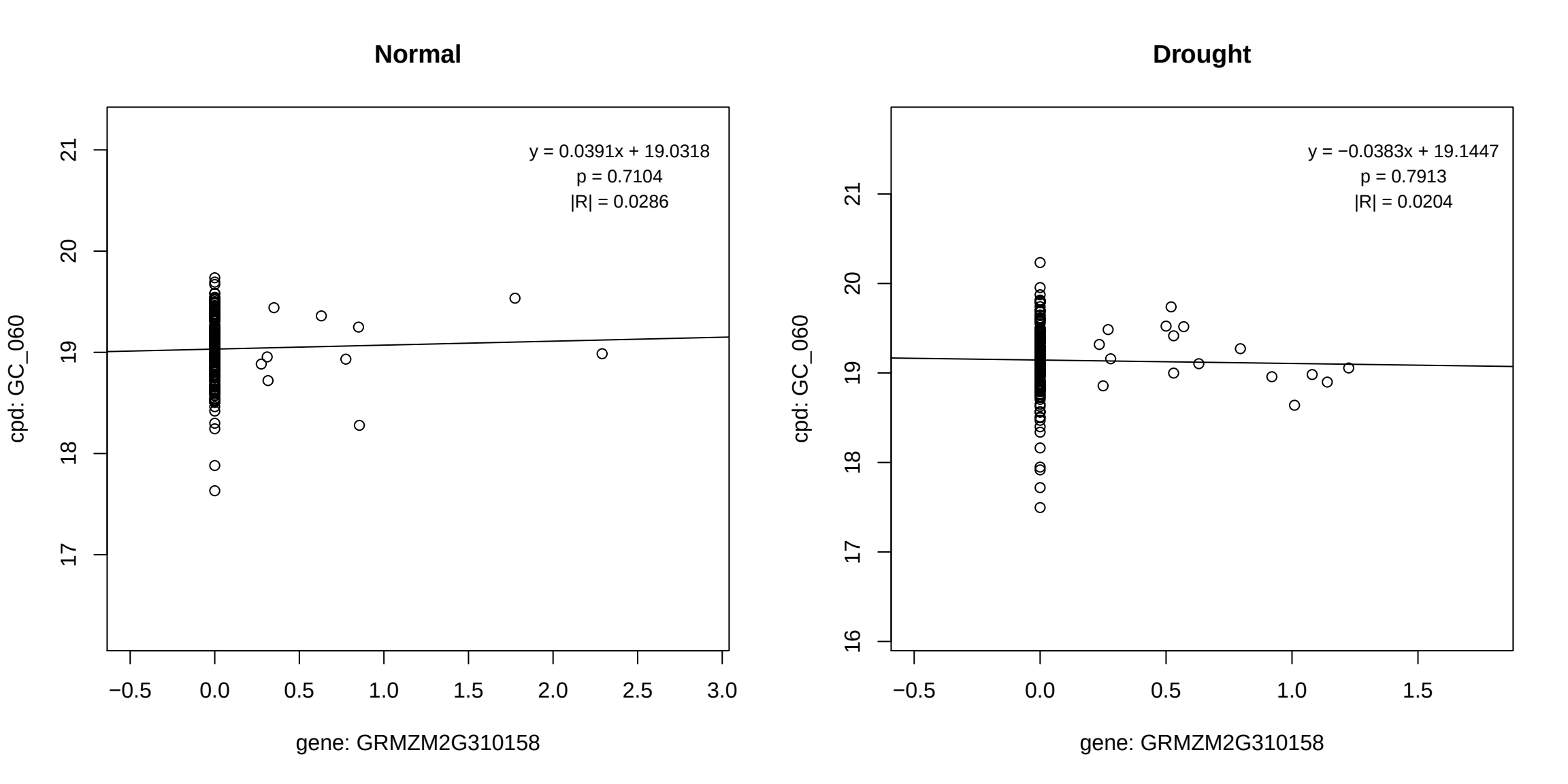

Normal
y = −0.0134x + 19.2553
p = 0.0784
|R| = 0.135
cpd: GC_060
gene: GRMZM2G044343
17
18
19
20
21
5
10
15
20
25

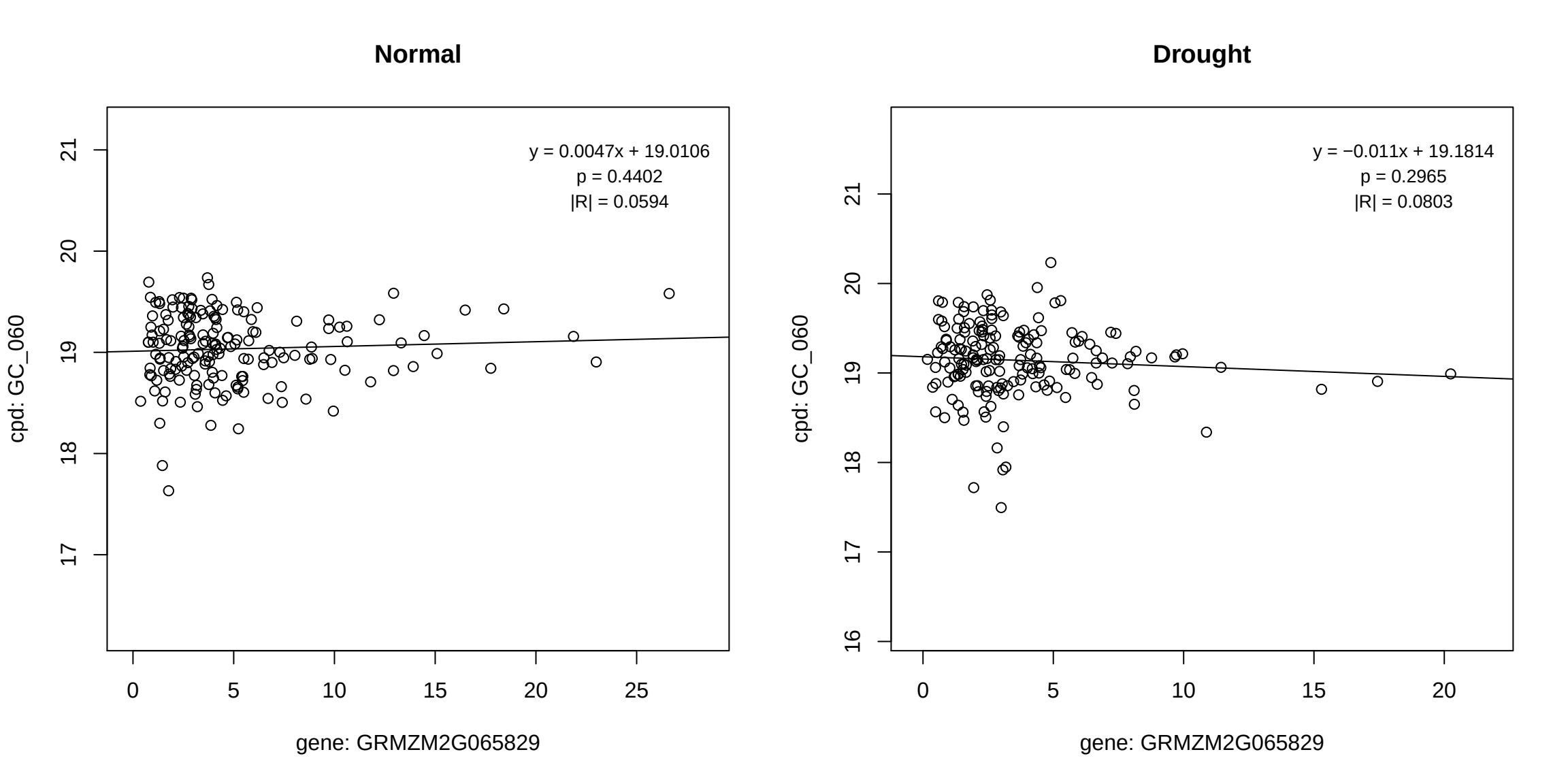

Drought
y = −0.0029x + 19.1867
p = 0.7701
|R| = 0.0225
cpd: GC_060
gene: GRMZM2G044343
16
17
18
19
20
21
10
15
20
25

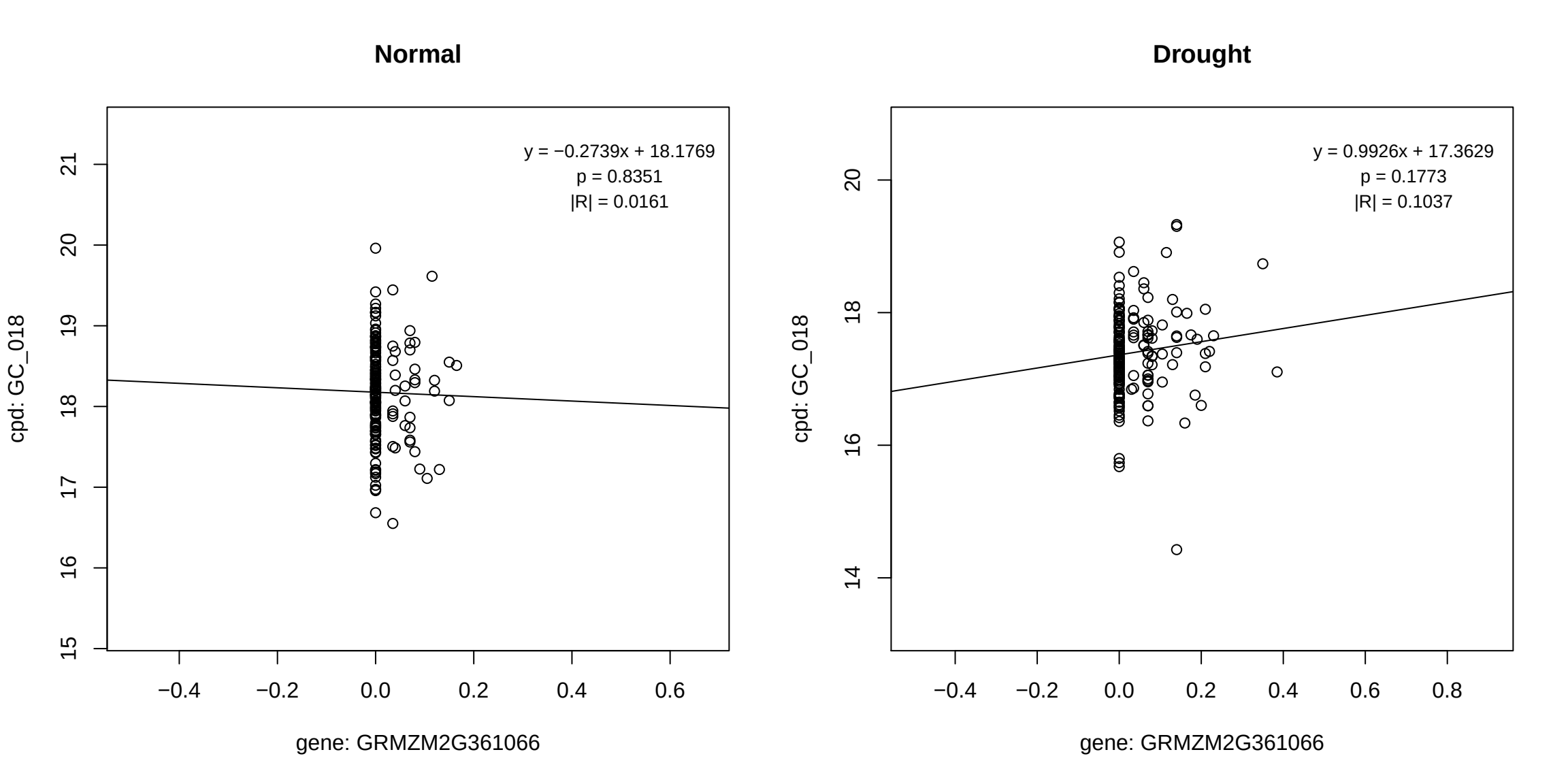

Normal
y = −0.017x + 19.1202
p = 0.0688
|R| = 0.1395
cpd: GC_060
gene: GRMZM2G005298
Drought
y = −0.0186x + 19.2504
p = 0.1599
|R| = 0.108
cpd: GC_060
gene: GRMZM2G005298

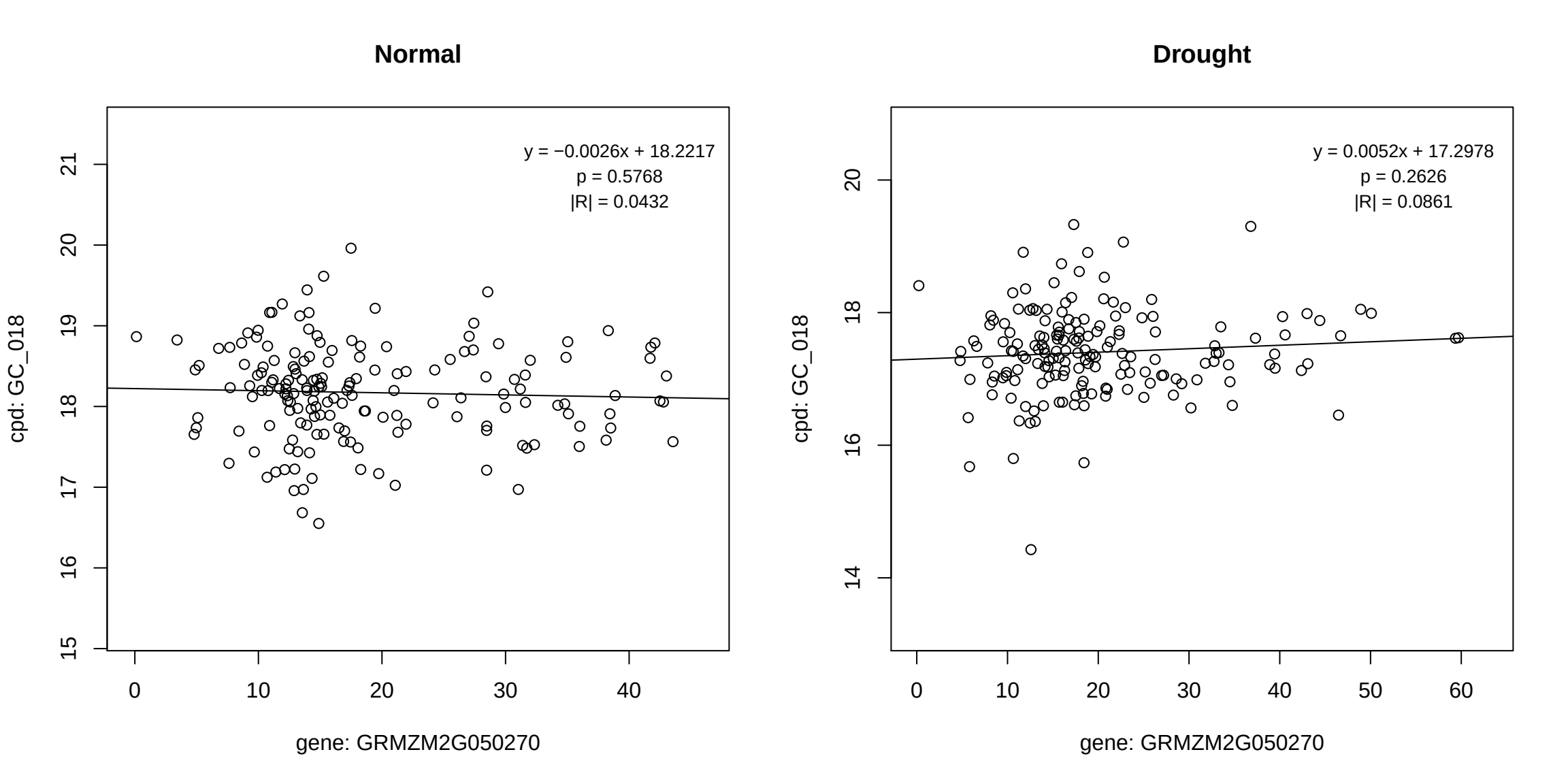

Normal
y = 2e−04x + 19.0335
p = 0.9761
|R| = 0.0023
cpd: GC_060
gene: GRMZM2G119407
Drought
y = 0.0011x + 19.1408
p = 0.8595
|R| = 0.0136
cpd: GC_060
gene: GRMZM2G119407

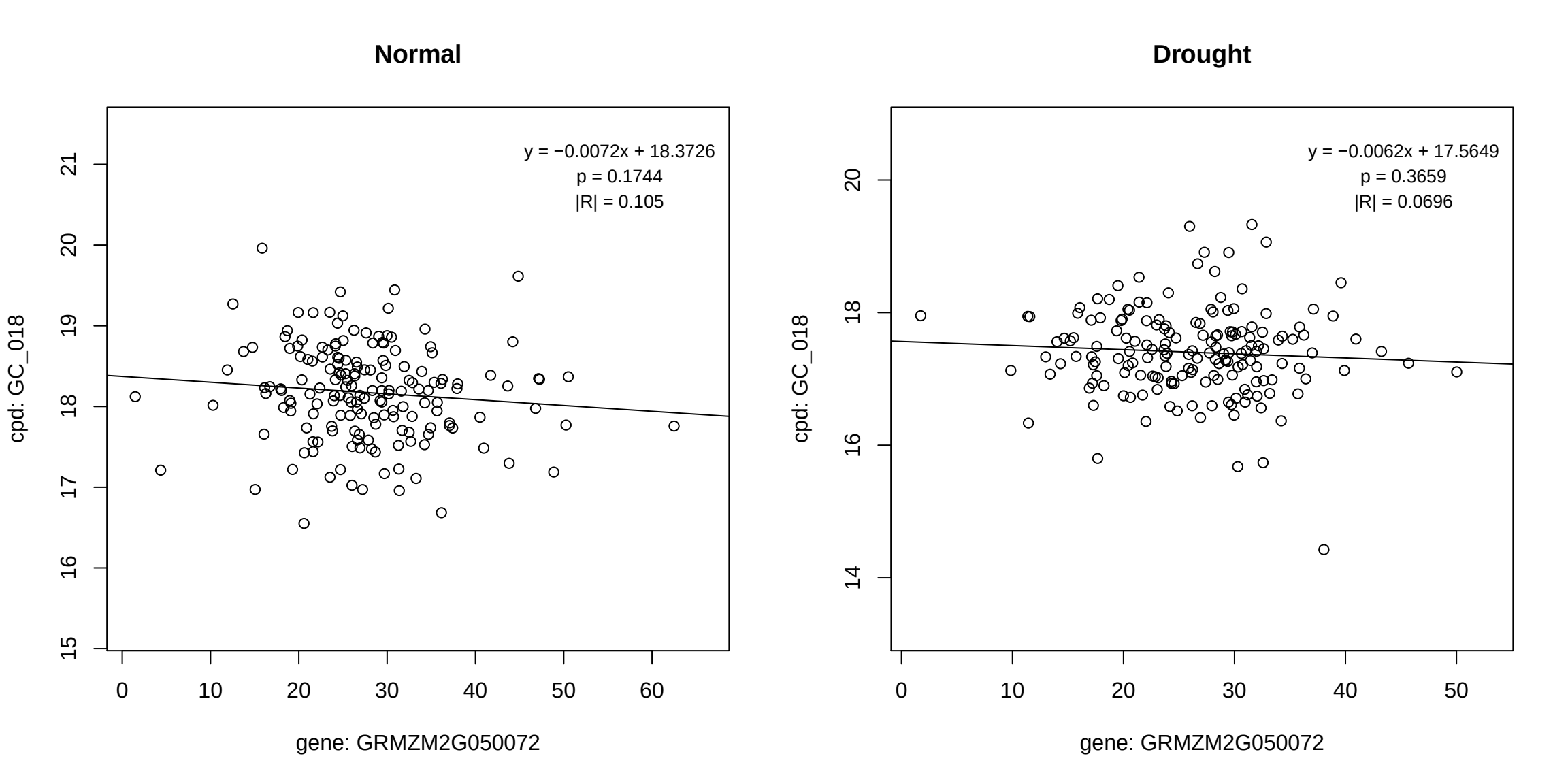

Normal
y = −0.0044x + 19.0558
p = 0.6665
|R| = 0.0332
cpd: GC_060
gene: GRMZM2G005187
Drought
y = −0.0194x + 19.2604
p = 0.0545
|R| = 0.1473
cpd: GC_060
gene: GRMZM2G005187

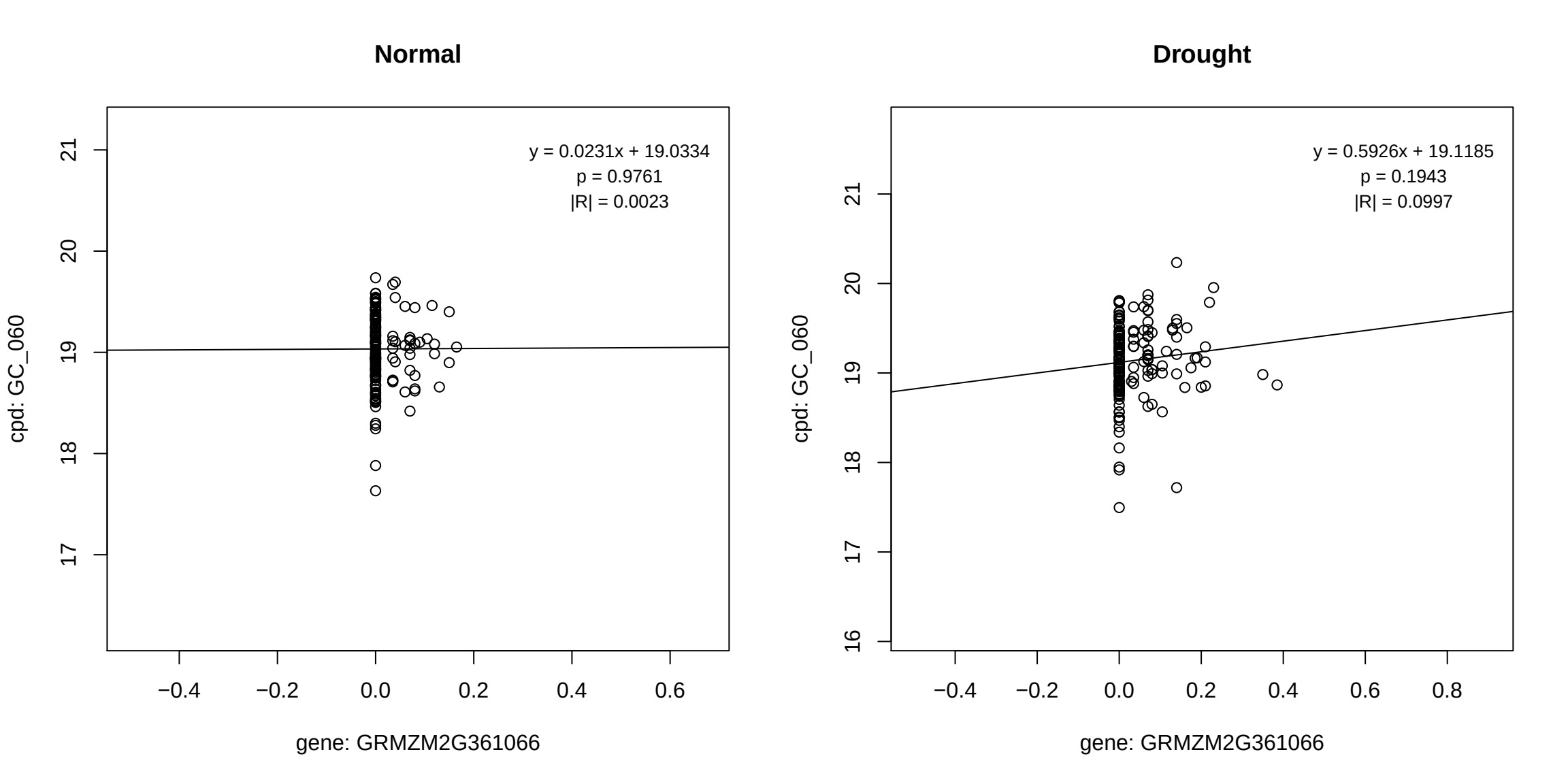

Normal
y = 0.0391x + 19.0318
p = 0.7104
|R| = 0.0286
cpd: GC_060
gene: GRMZM2G310158
Drought
y = −0.0383x + 19.1447
p = 0.7913
|R| = 0.0204
cpd: GC_060
gene: GRMZM2G310158

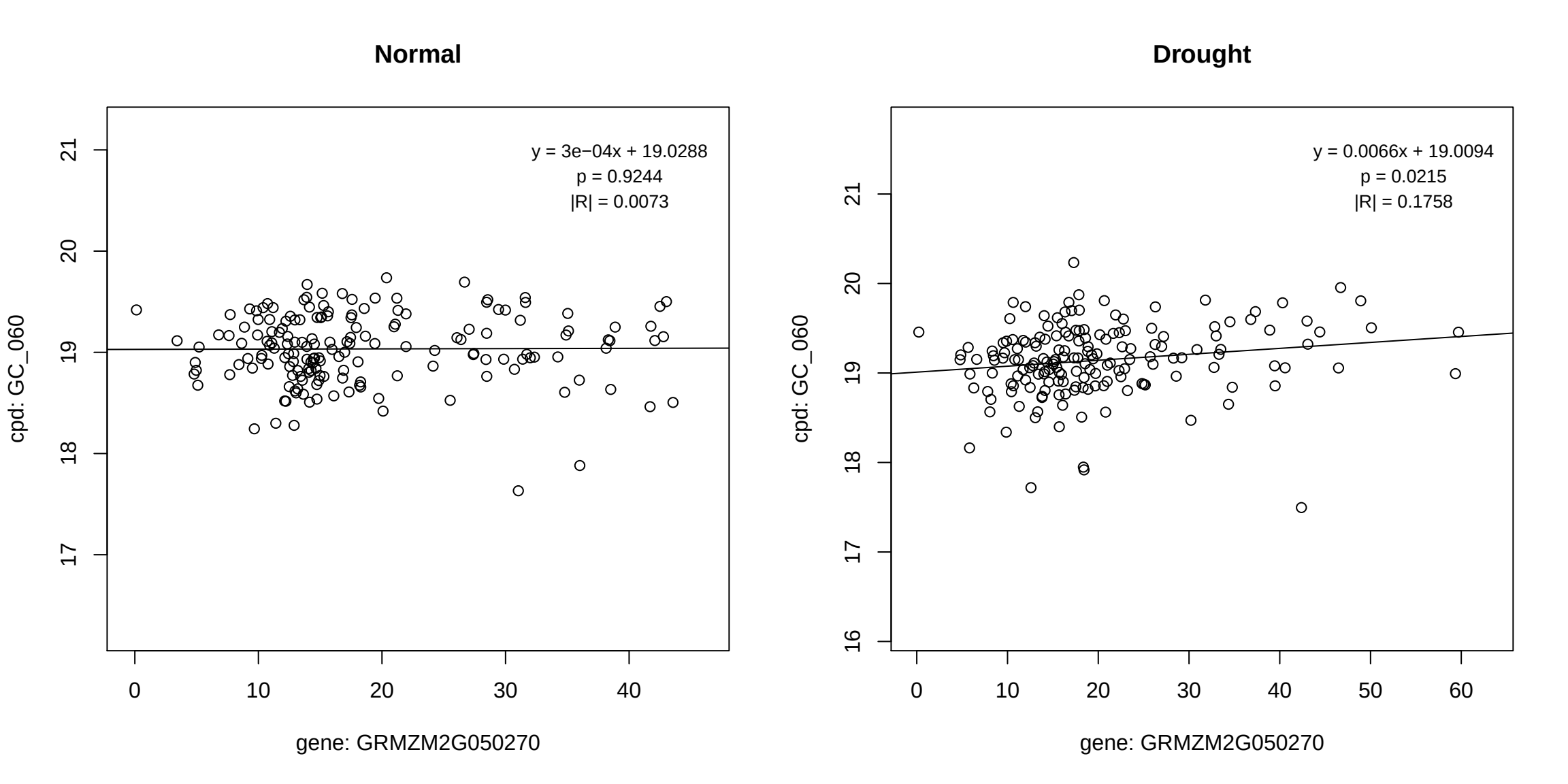

Normal
y = 0.0047x + 19.0106
p = 0.4402
|R| = 0.0594
cpd: GC_060
gene: GRMZM2G065829
Drought
y = −0.011x + 19.1814
p = 0.2965
|R| = 0.0803
cpd: GC_060
gene: GRMZM2G065829

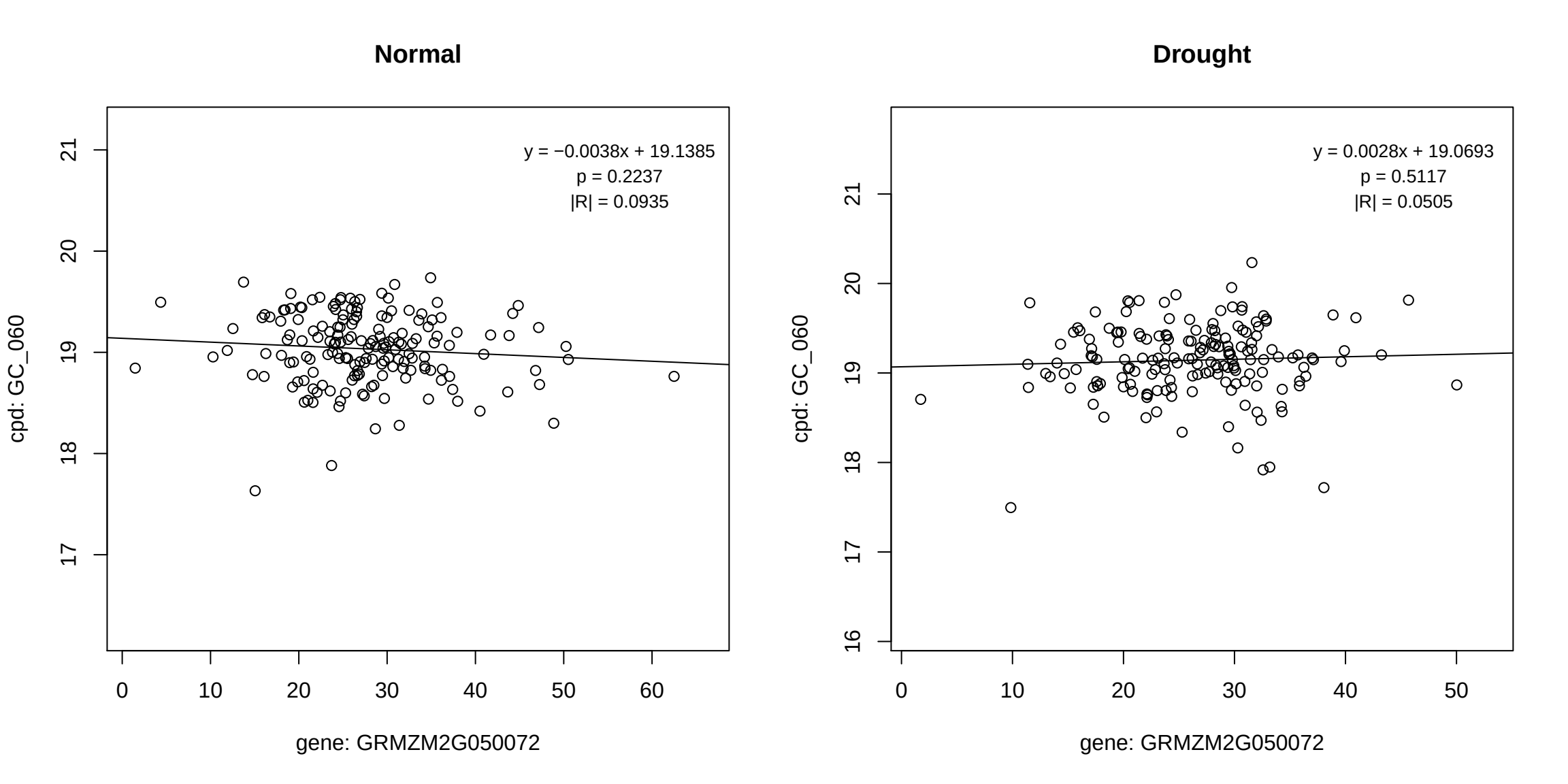

Normal
y = −0.2739x + 18.1769
p = 0.8351
|R| = 0.0161
cpd: GC_018
gene: GRMZM2G361066
Drought
y = 0.9926x + 17.3629
p = 0.1773
|R| = 0.1037
cpd: GC_018
gene: GRMZM2G361066

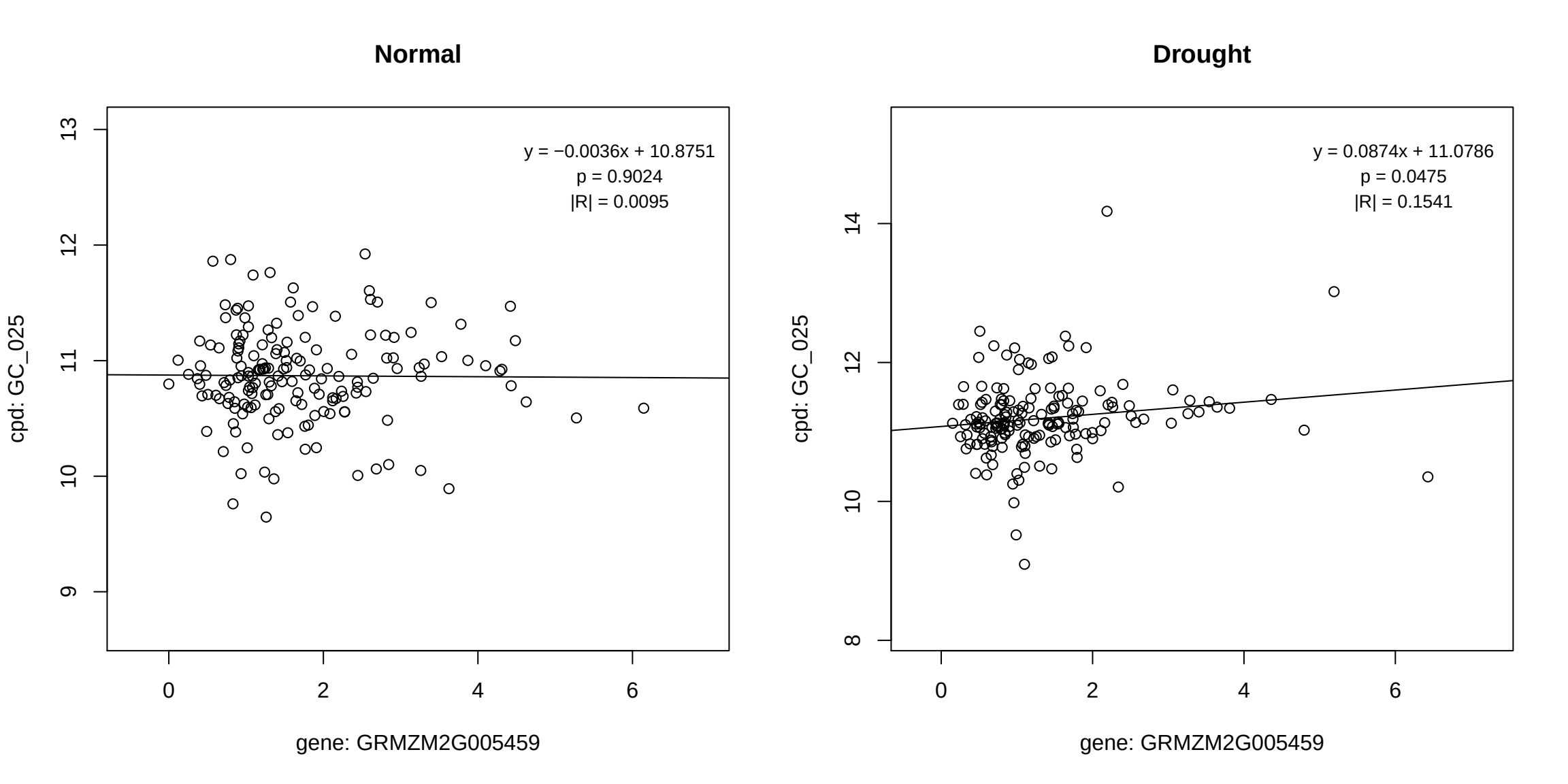

Normal
y = −0.0026x + 18.2217
p = 0.5768
|R| = 0.0432
cpd: GC_018
gene: GRMZM2G050270
Drought
y = 0.0052x + 17.2978
p = 0.2626
|R| = 0.0861
cpd: GC_018
gene: GRMZM2G050270

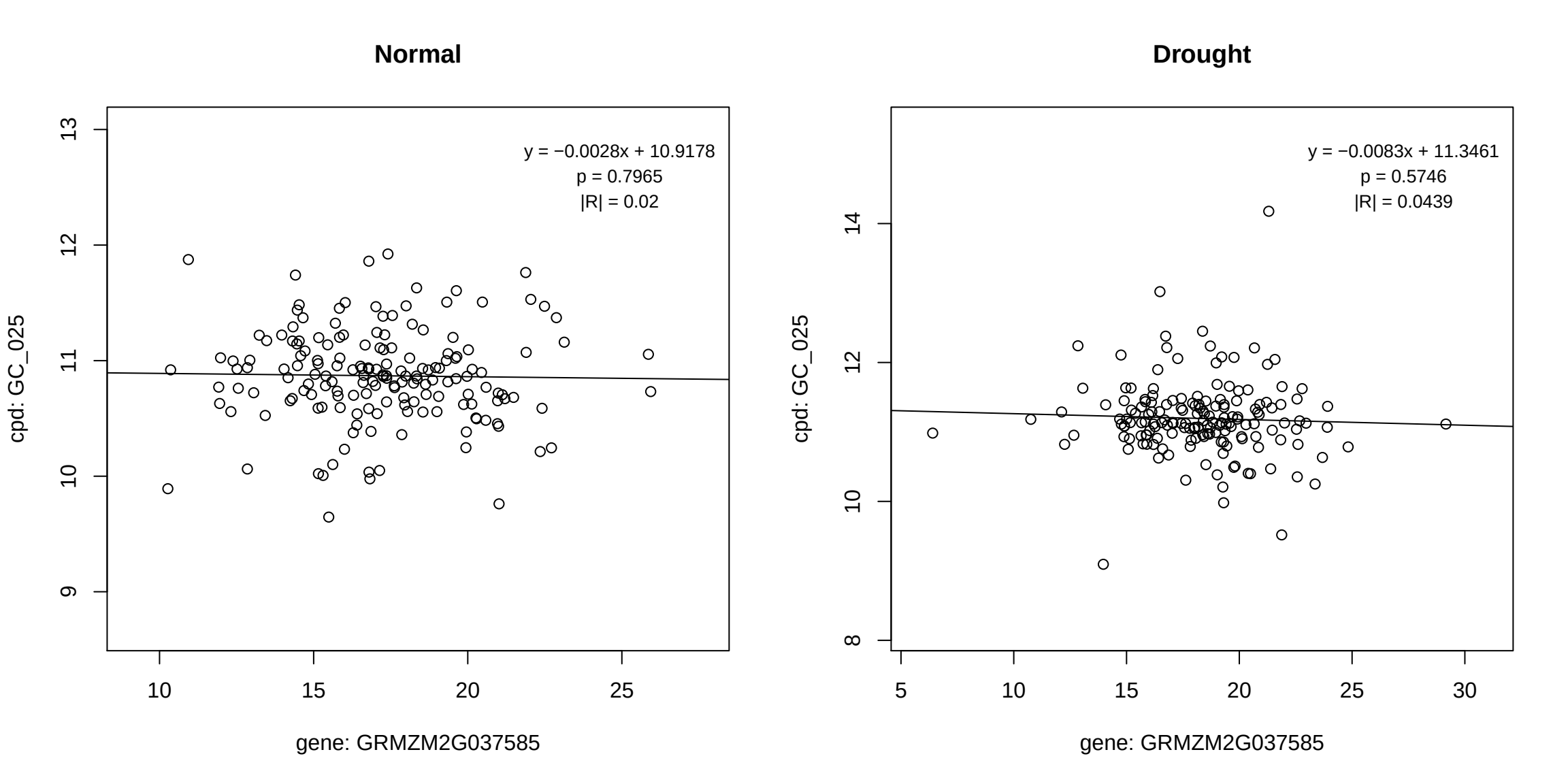

Normal
y = −0.0072x + 18.3726
p = 0.1744
|R| = 0.105
cpd: GC_018
gene: GRMZM2G050072
Drought
y = −0.0062x + 17.5649
p = 0.3659
|R| = 0.0696
cpd: GC_018
gene: GRMZM2G050072

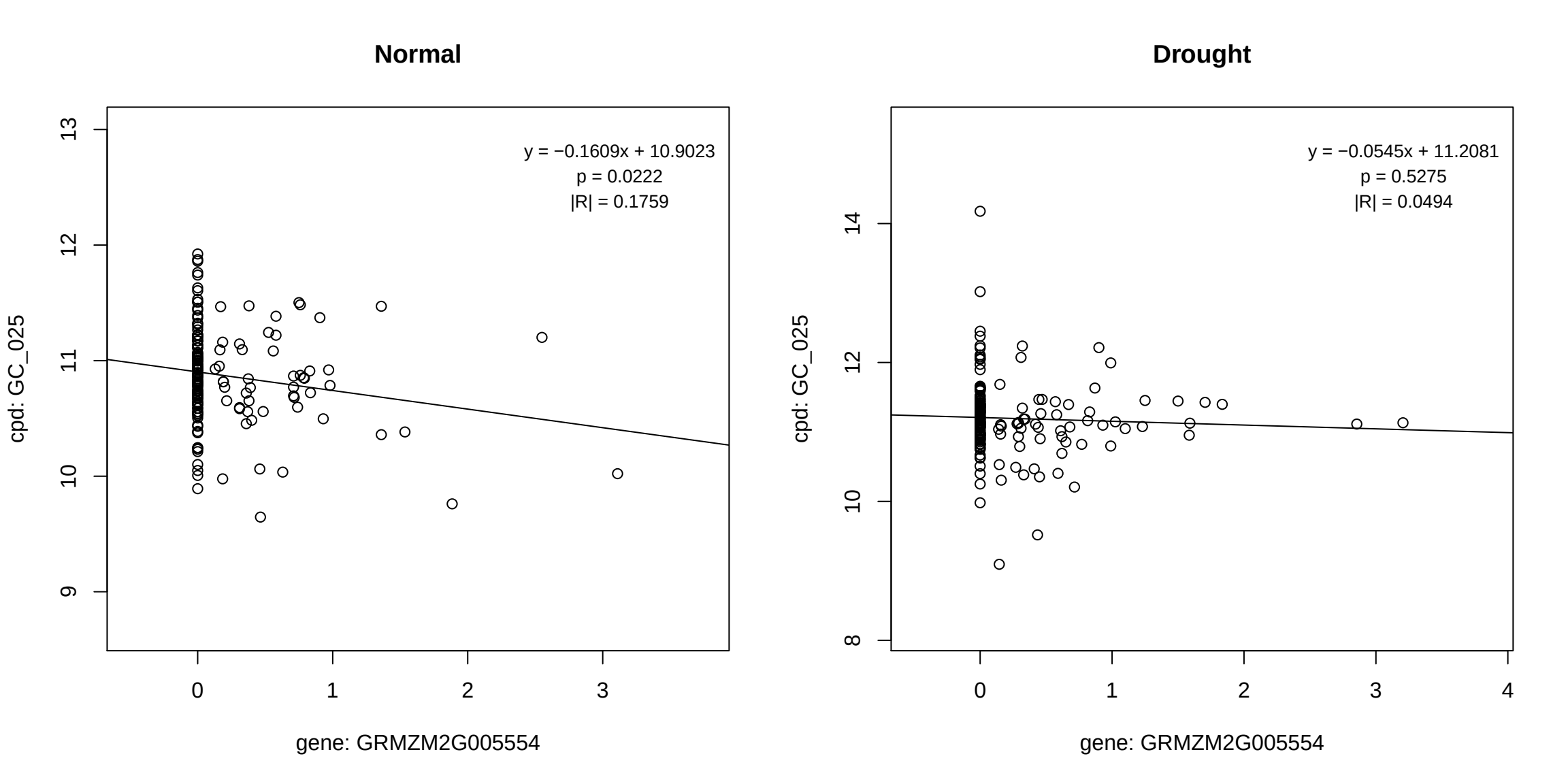

Normal
y = 0.0231x + 19.0334
p = 0.9761
|R| = 0.0023
cpd: GC_060
gene: GRMZM2G361066
Drought
y = 0.5926x + 19.1185
p = 0.1943
|R| = 0.0997
cpd: GC_060
gene: GRMZM2G361066

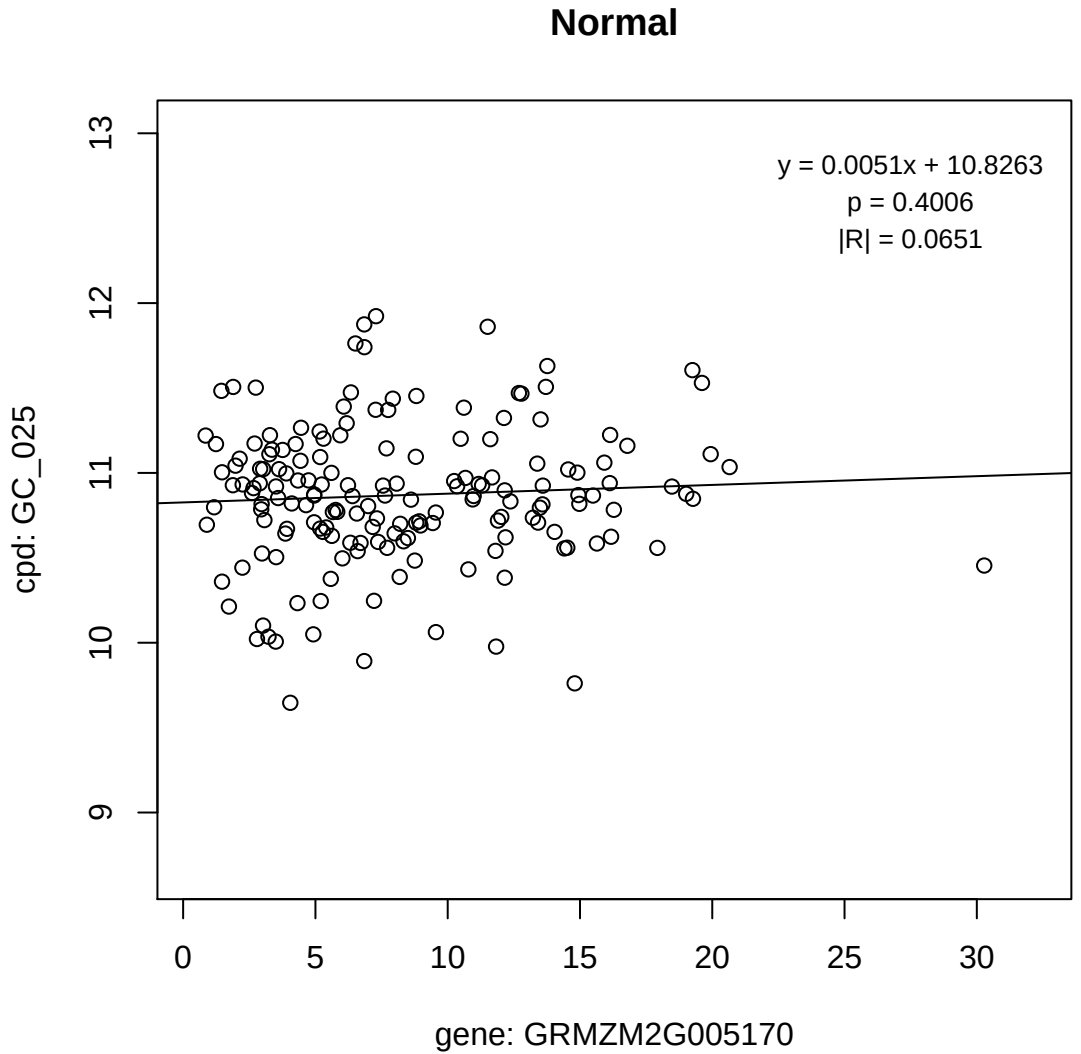

Normal
y = 3e−04x + 19.0288
p = 0.9244
|R| = 0.0073
cpd: GC_060
gene: GRMZM2G050270
Drought
y = 0.0066x + 19.0094
p = 0.0215
|R| = 0.1758
cpd: GC_060
gene: GRMZM2G050270

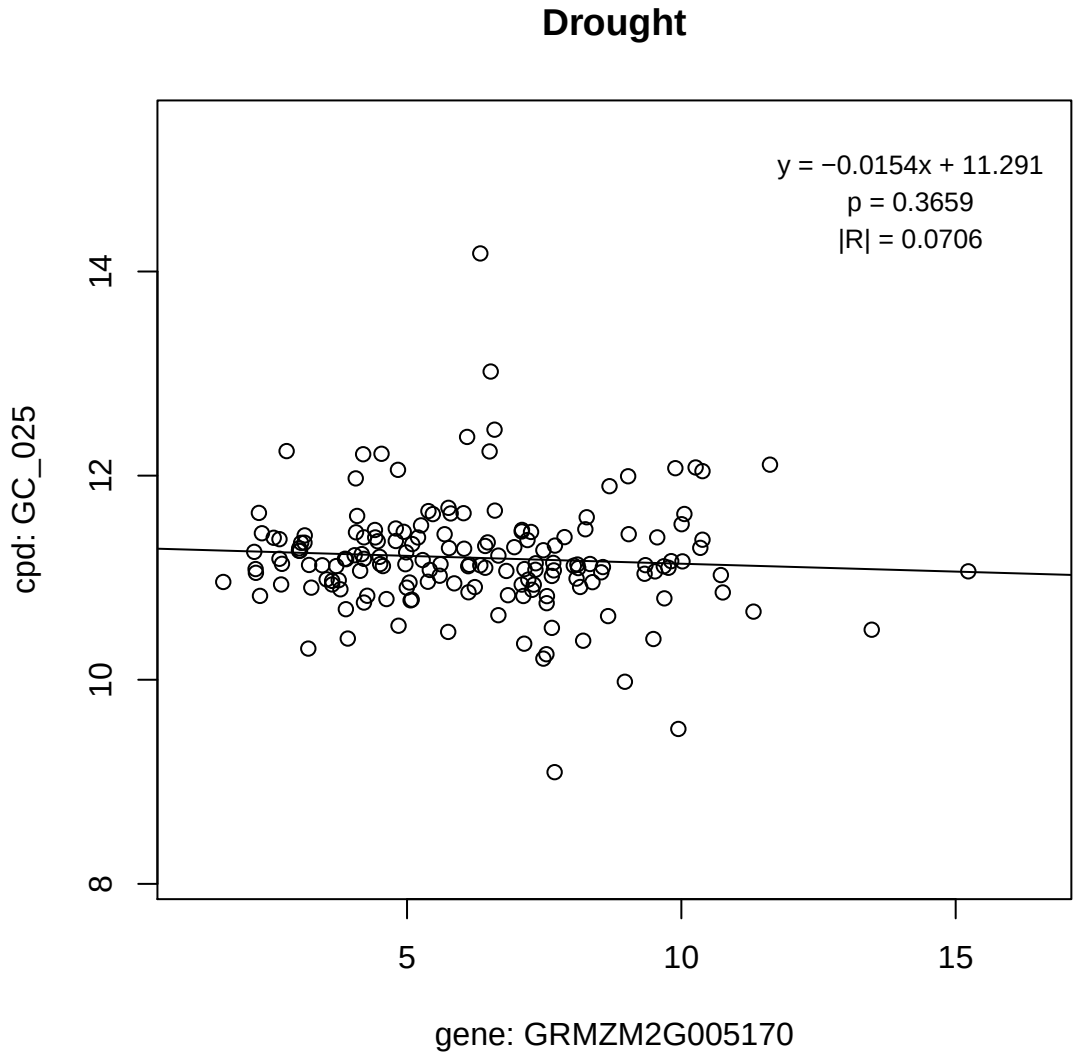

Normal
y = −0.0038x + 19.1385
p = 0.2237
|R| = 0.0935
cpd: GC_060
gene: GRMZM2G050072
Drought
y = 0.0028x + 19.0693
p = 0.5117
|R| = 0.0505
cpd: GC_060
gene: GRMZM2G050072

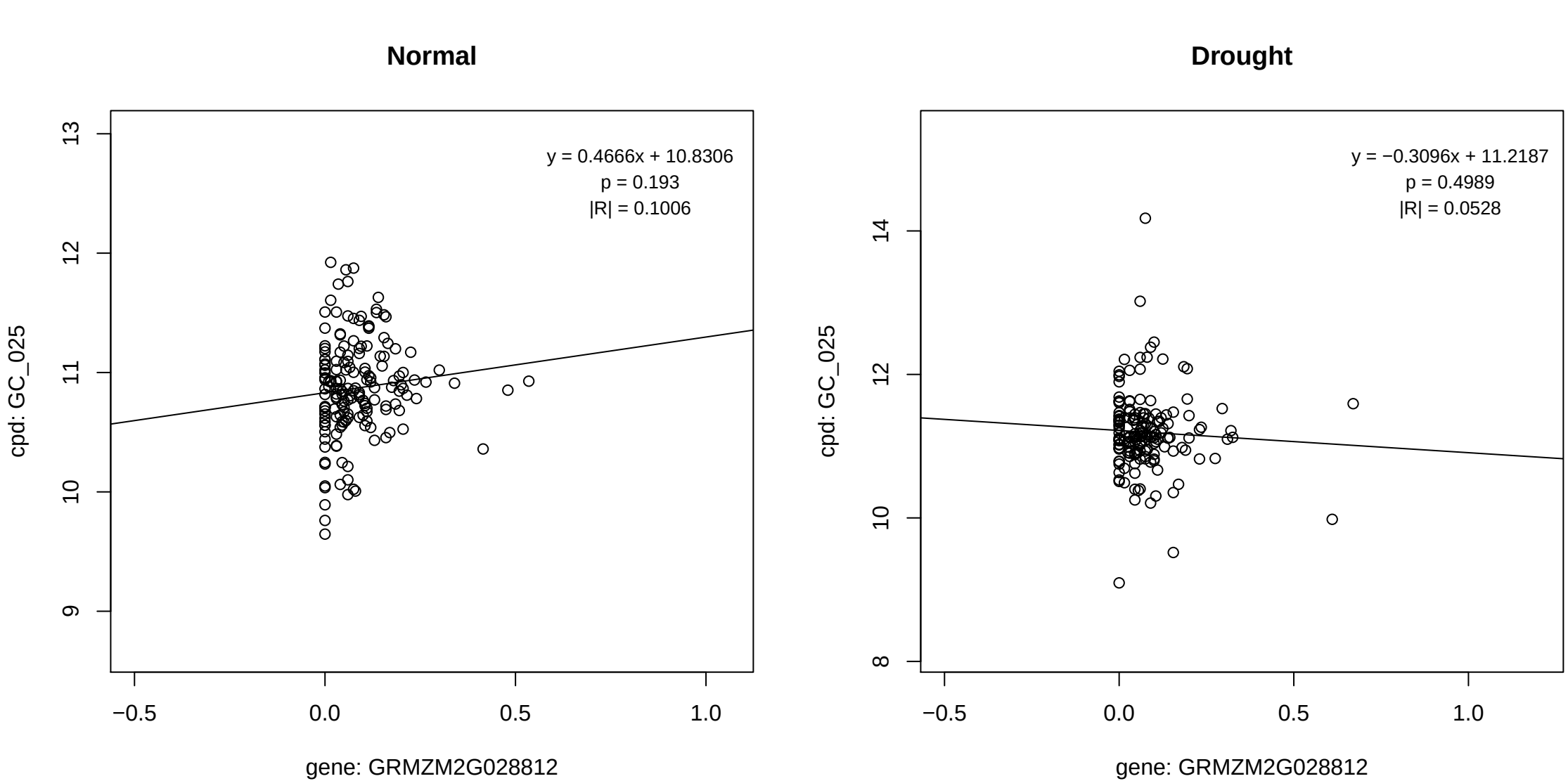

Normal
y = −0.0036x + 10.8751
p = 0.9024
|R| = 0.0095
cpd: GC_025
gene: GRMZM2G005459
Drought
y = 0.0874x + 11.0786
p = 0.0475
|R| = 0.1541
cpd: GC_025
gene: GRMZM2G005459

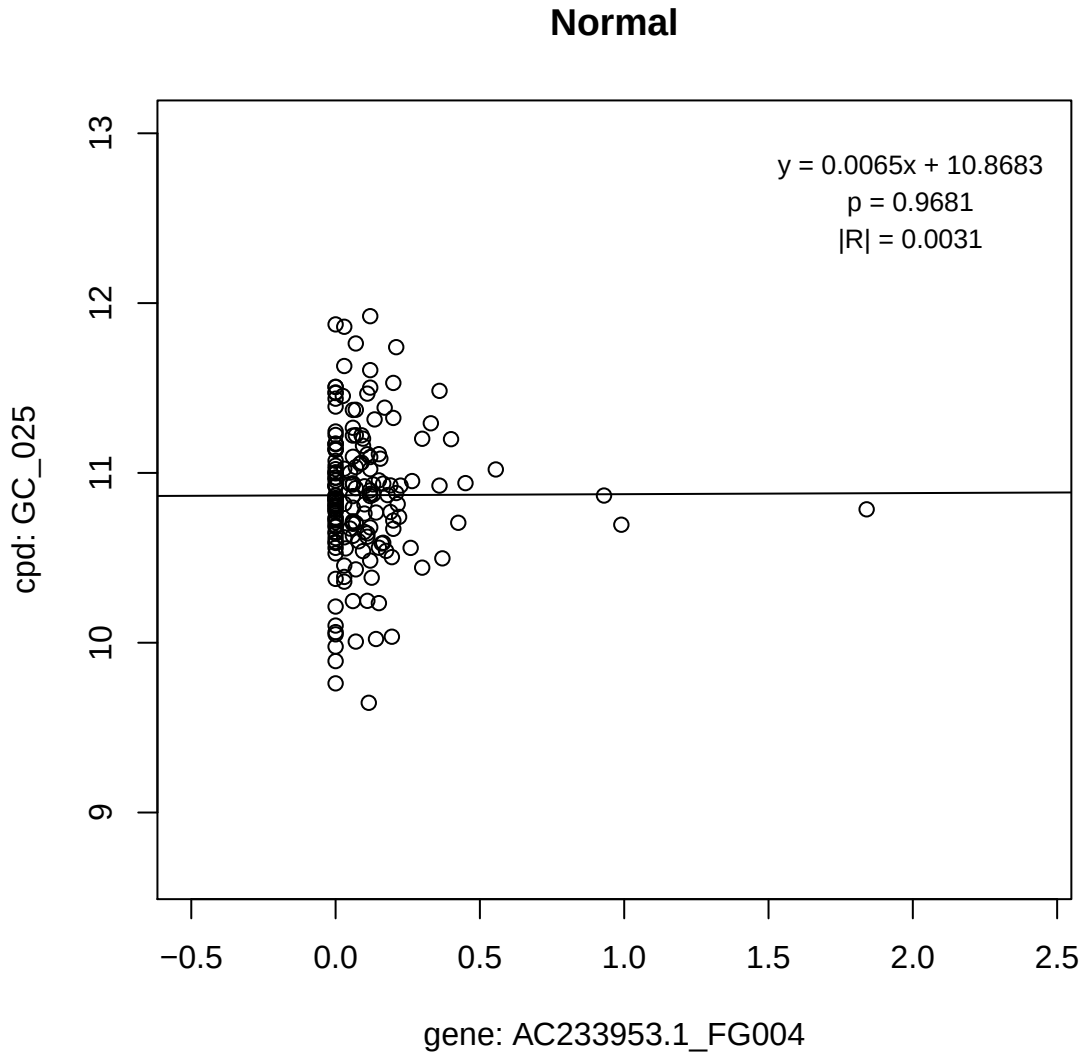

Normal
y = −0.0028x + 10.9178
p = 0.7965
|R| = 0.02
cpd: GC_025
gene: GRMZM2G037585
Drought
y = −0.0083x + 11.3461
p = 0.5746
|R| = 0.0439
cpd: GC_025
gene: GRMZM2G037585

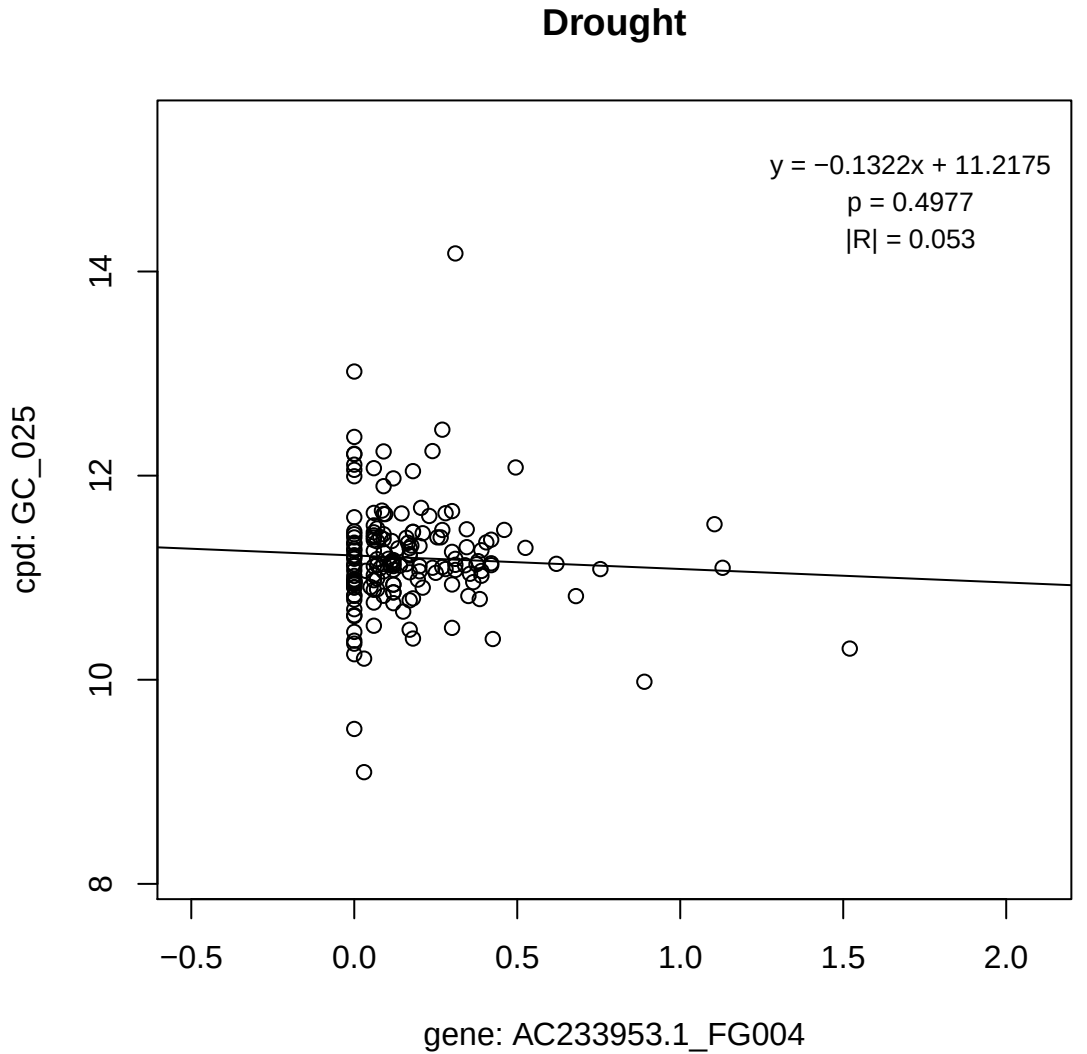

Normal
y = −0.1609x + 10.9023
p = 0.0222
|R| = 0.1759
cpd: GC_025
gene: GRMZM2G005554
Drought
y = −0.0545x + 11.2081
p = 0.5275
|R| = 0.0494
cpd: GC_025
gene: GRMZM2G005554

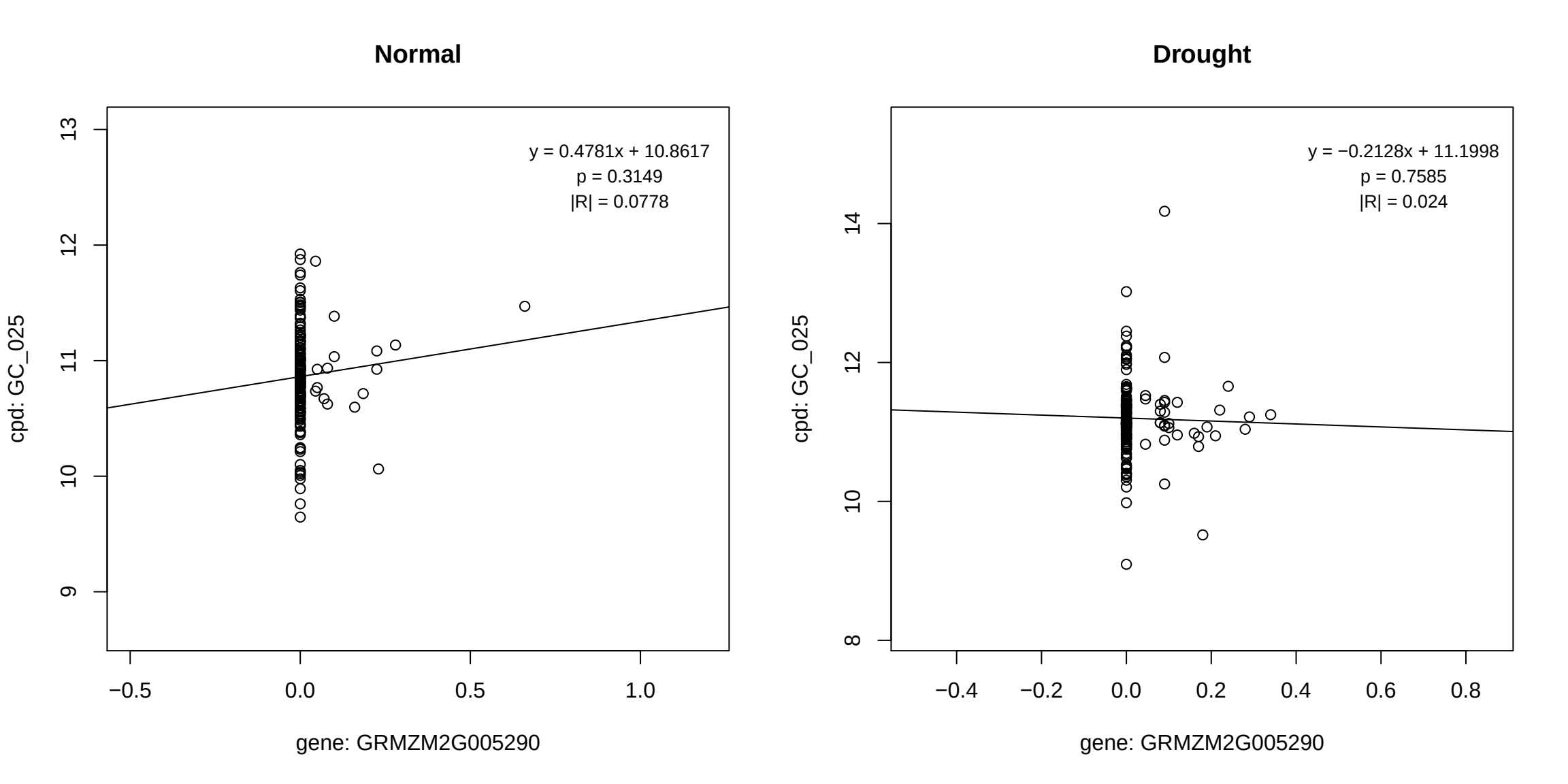

Normal
y = 0.0051x + 10.8263
p = 0.4006
|R| = 0.0651
cpd: GC_025
gene: GRMZM2G005170
9
10
11
12
13
0
5
10
15
20
25
30

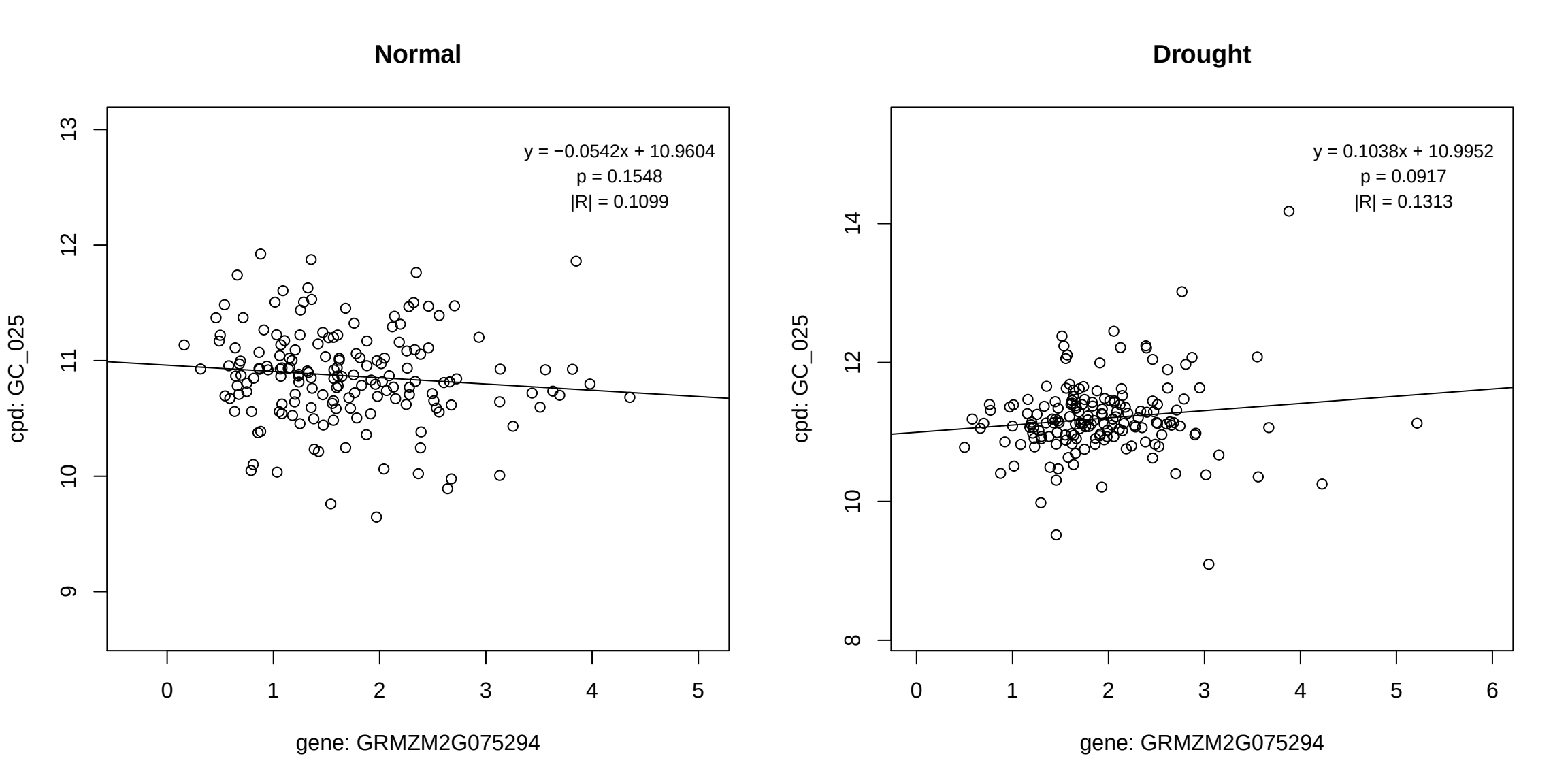

Drought
y = −0.0154x + 11.291
p = 0.3659
|R| = 0.0706
cpd: GC_025
gene: GRMZM2G005170
8
10
12
14
5
10
15

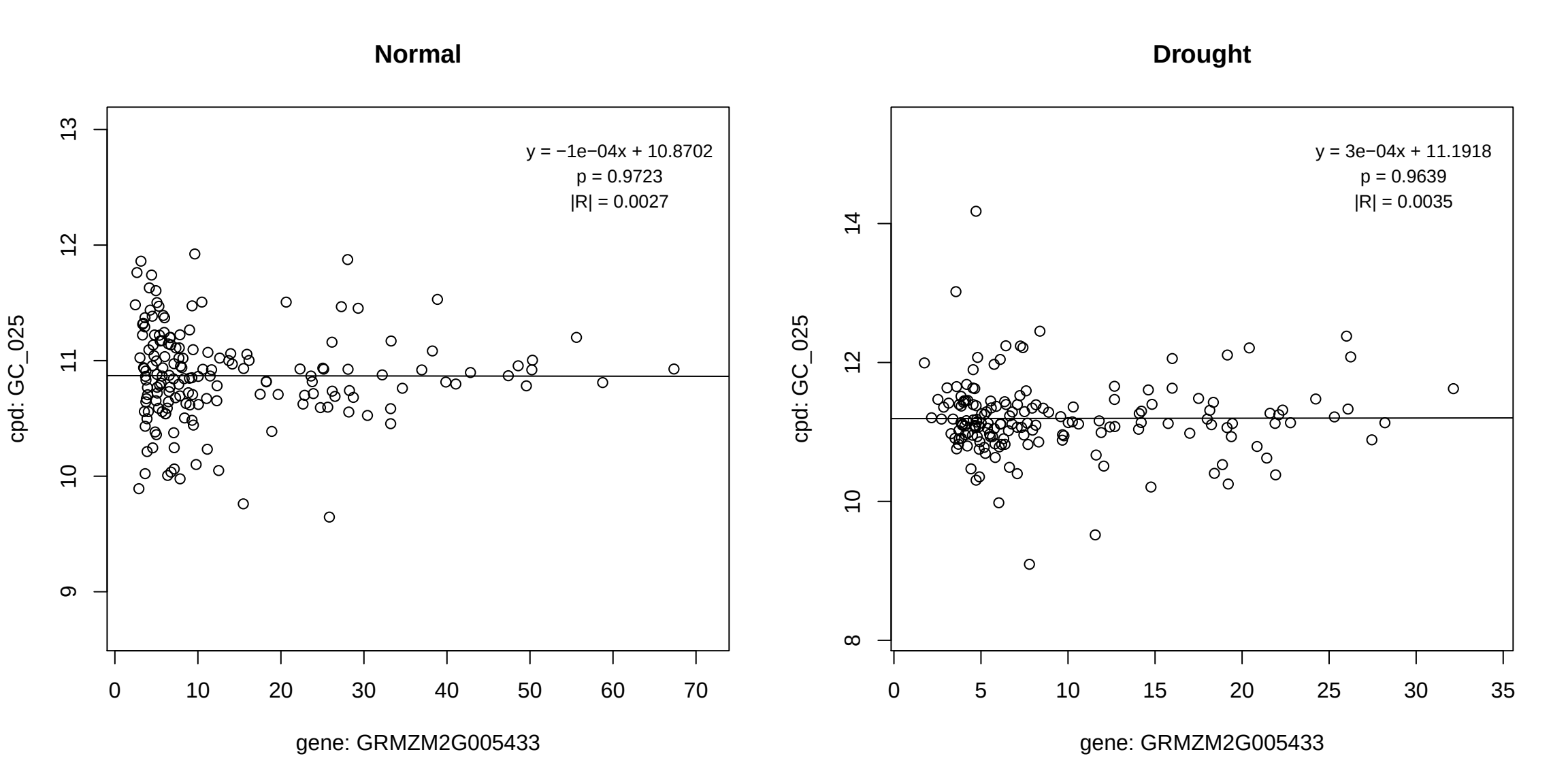

Normal
y = 0.4666x + 10.8306
p = 0.193
|R| = 0.1006
cpd: GC_025
gene: GRMZM2G028812
Drought
y = −0.3096x + 11.2187
p = 0.4989
|R| = 0.0528
cpd: GC_025
gene: GRMZM2G028812

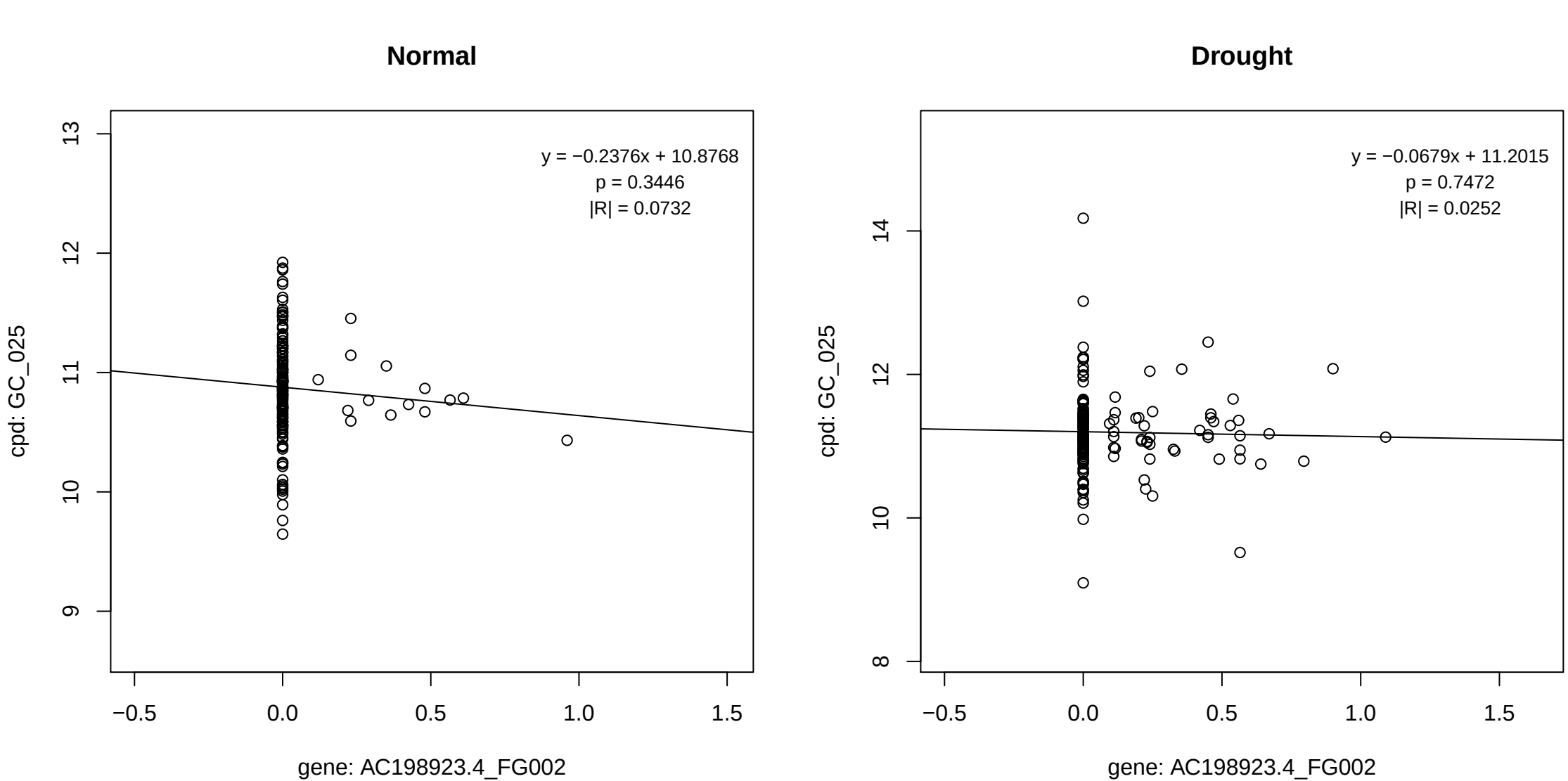

Normal
y = 0.0065x + 10.8683
p = 0.9681
|R| = 0.0031
cpd: GC_025
gene: AC233953.1_FG004
9
10
11
12
13
−0.5
0.0
0.5
1.0
1.5
2.0
2.5

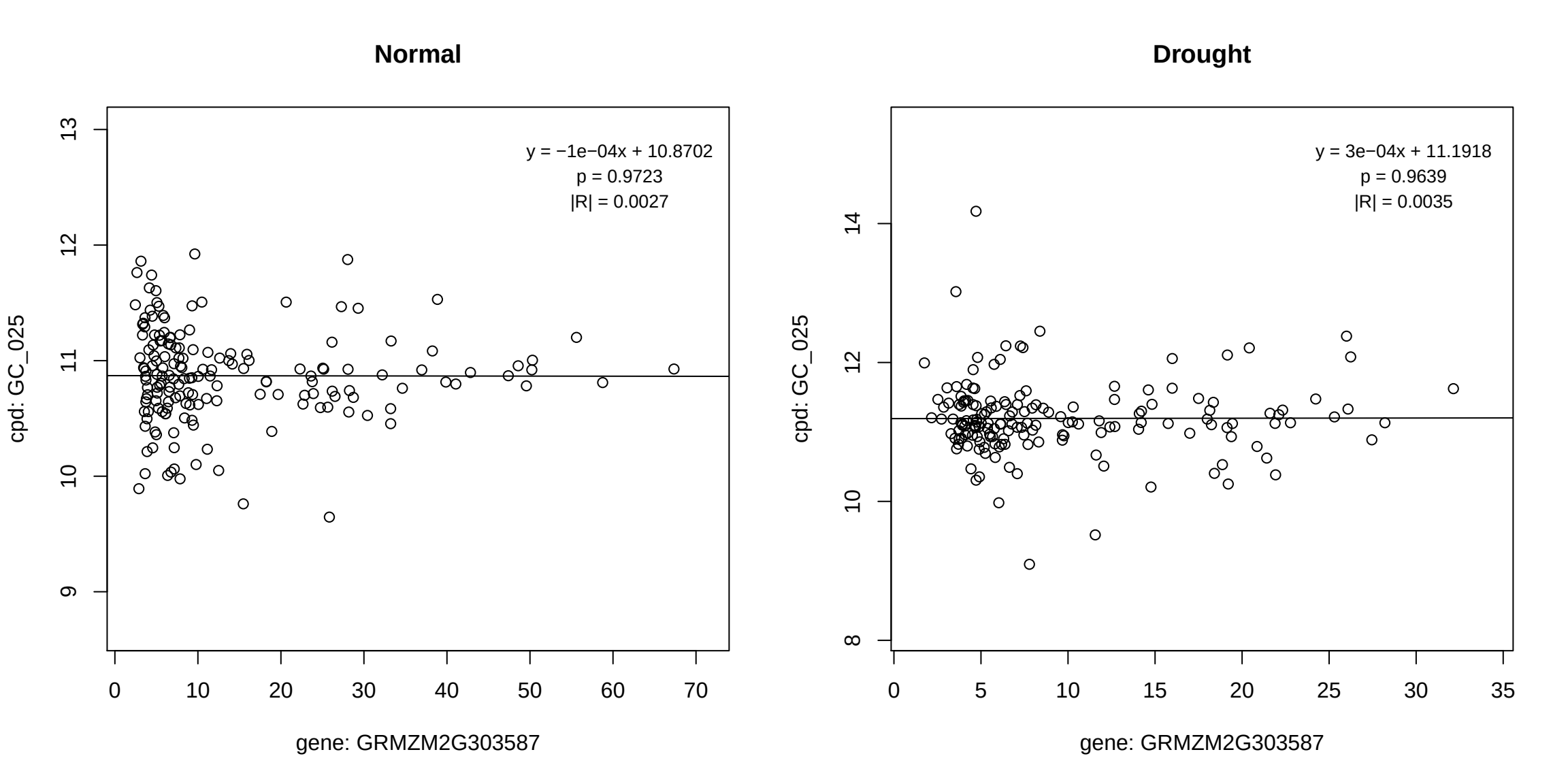

Drought
y = −0.1322x + 11.2175
p = 0.4977
|R| = 0.053
cpd: GC_025
gene: AC233953.1_FG004
8
10
12
14
−0.5
0.0
0.5
1.0
1.5
2.0

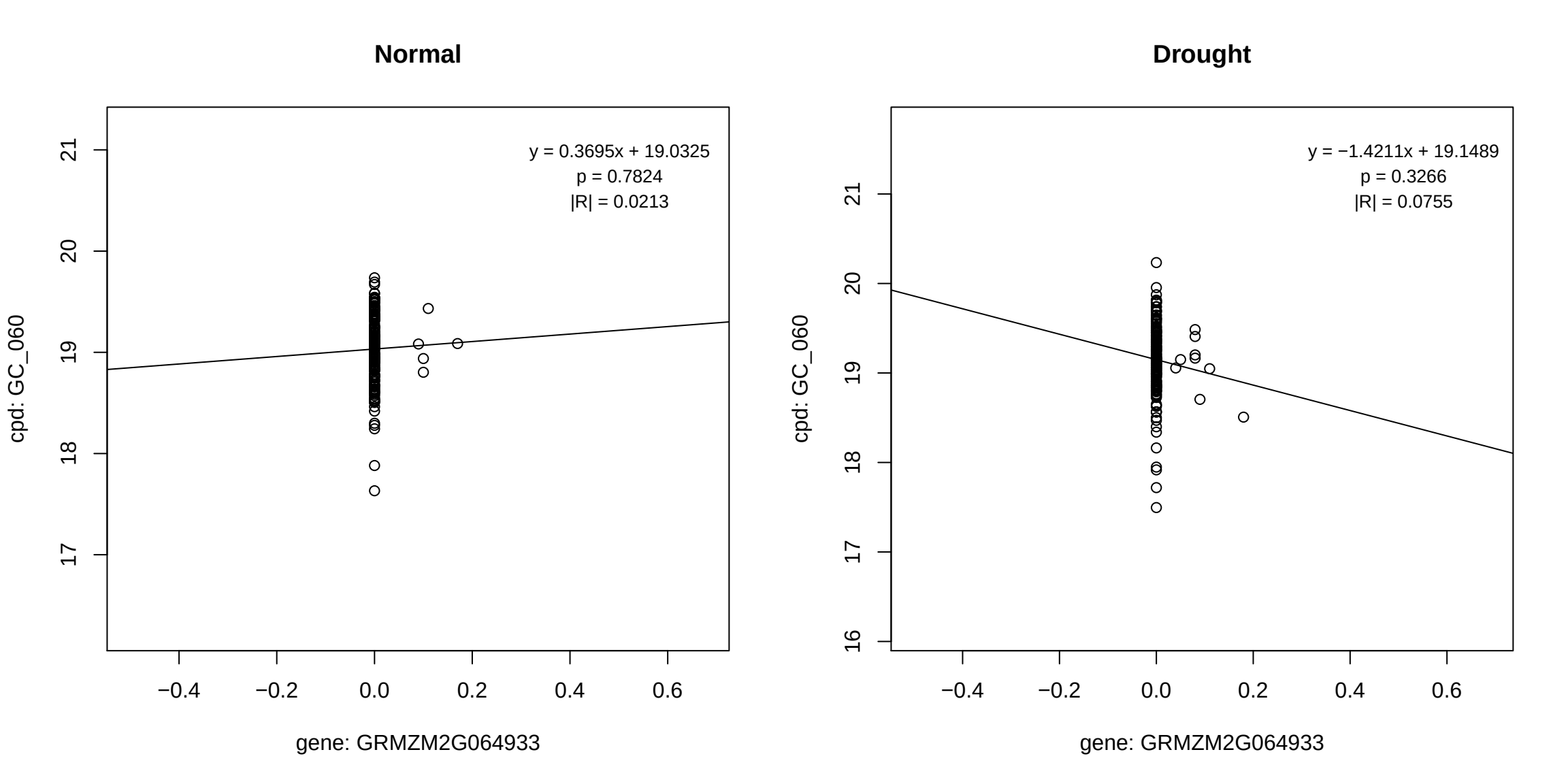

Normal
y = 0.4781x + 10.8617
p = 0.3149
|R| = 0.0778
cpd: GC_025
gene: GRMZM2G005290
Drought
y = −0.2128x + 11.1998
p = 0.7585
|R| = 0.024
cpd: GC_025
gene: GRMZM2G005290

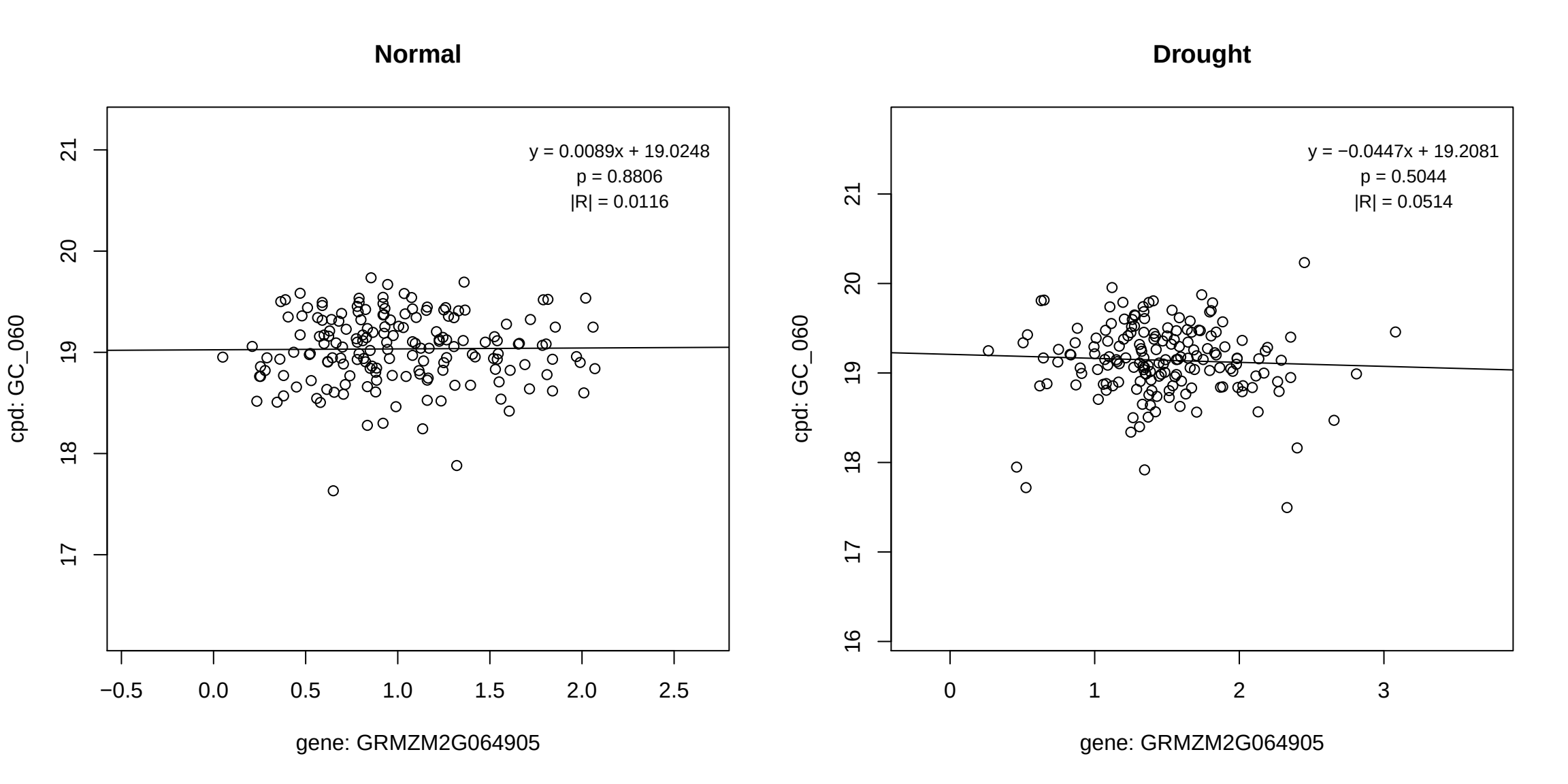

Normal
y = −0.0542x + 10.9604
p = 0.1548
|R| = 0.1099
cpd: GC_025
gene: GRMZM2G075294
Drought
y = 0.1038x + 10.9952
p = 0.0917
|R| = 0.1313
cpd: GC_025
gene: GRMZM2G075294

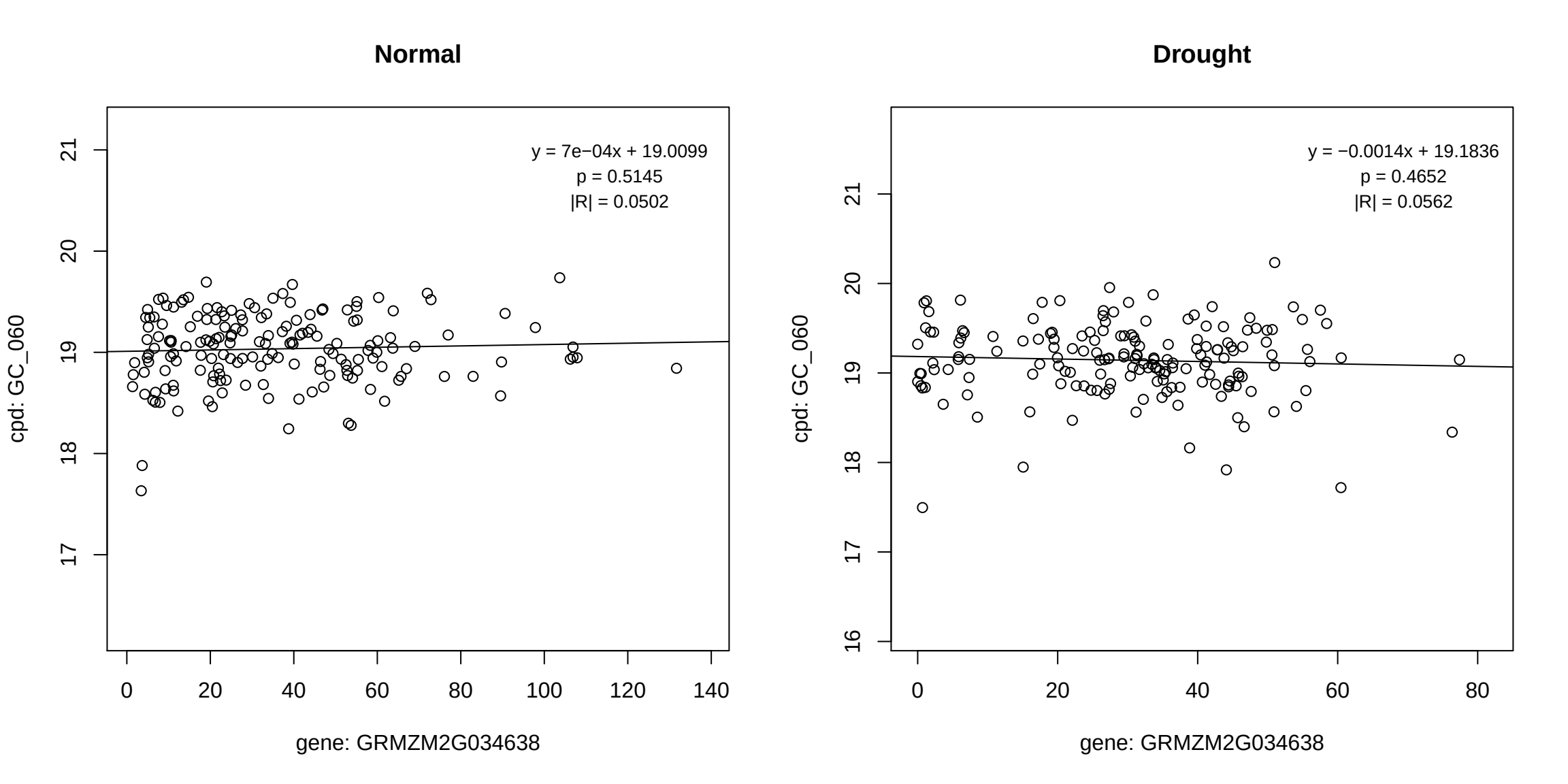

Normal
y = −1e−04x + 10.8702
p = 0.9723
|R| = 0.0027
cpd: GC_025
gene: GRMZM2G005433
Drought
y = 3e−04x + 11.1918
p = 0.9639
|R| = 0.0035
cpd: GC_025
gene: GRMZM2G005433

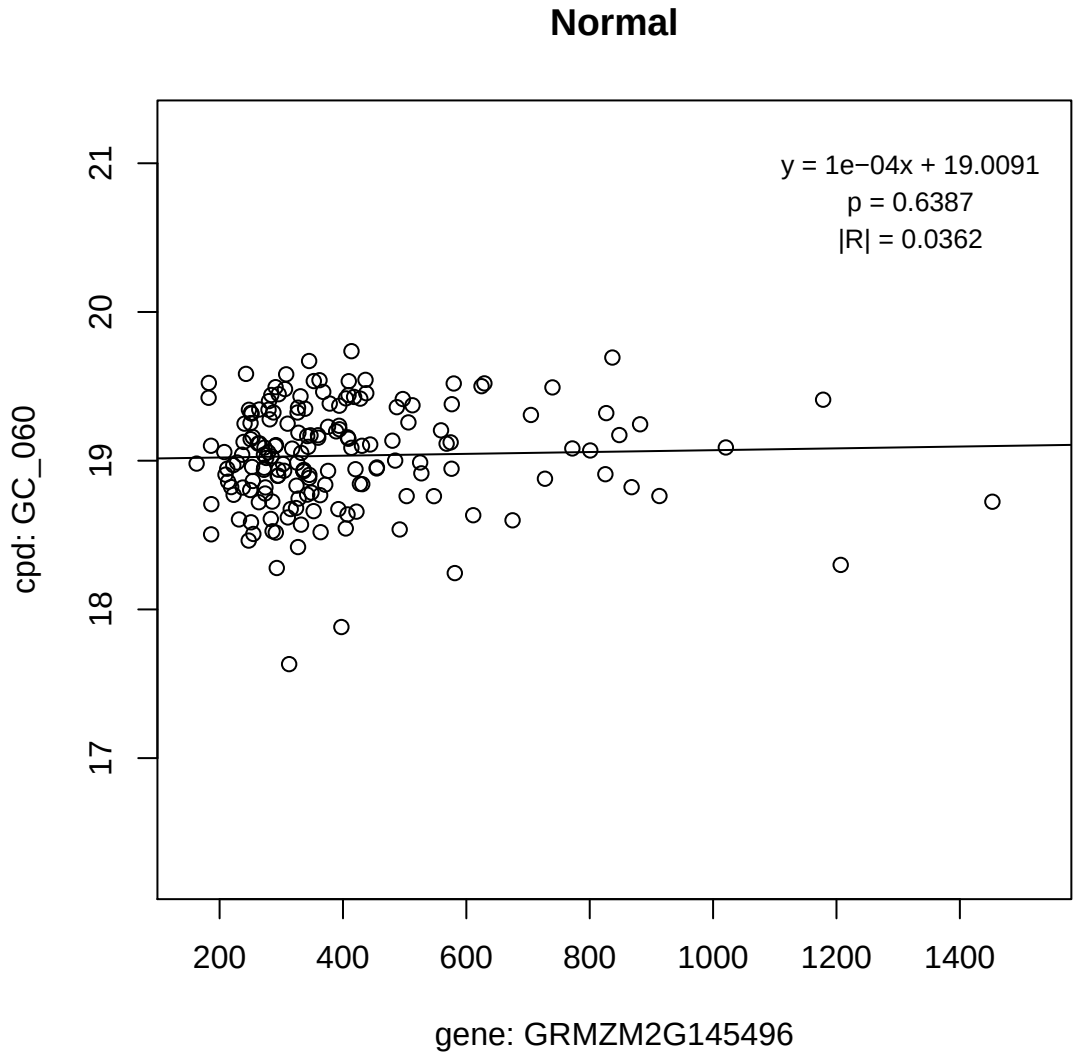

Normal
y = −0.2376x + 10.8768
p = 0.3446
|R| = 0.0732
cpd: GC_025
gene: AC198923.4_FG002
Drought
y = −0.0679x + 11.2015
p = 0.7472
|R| = 0.0252
cpd: GC_025
gene: AC198923.4_FG002

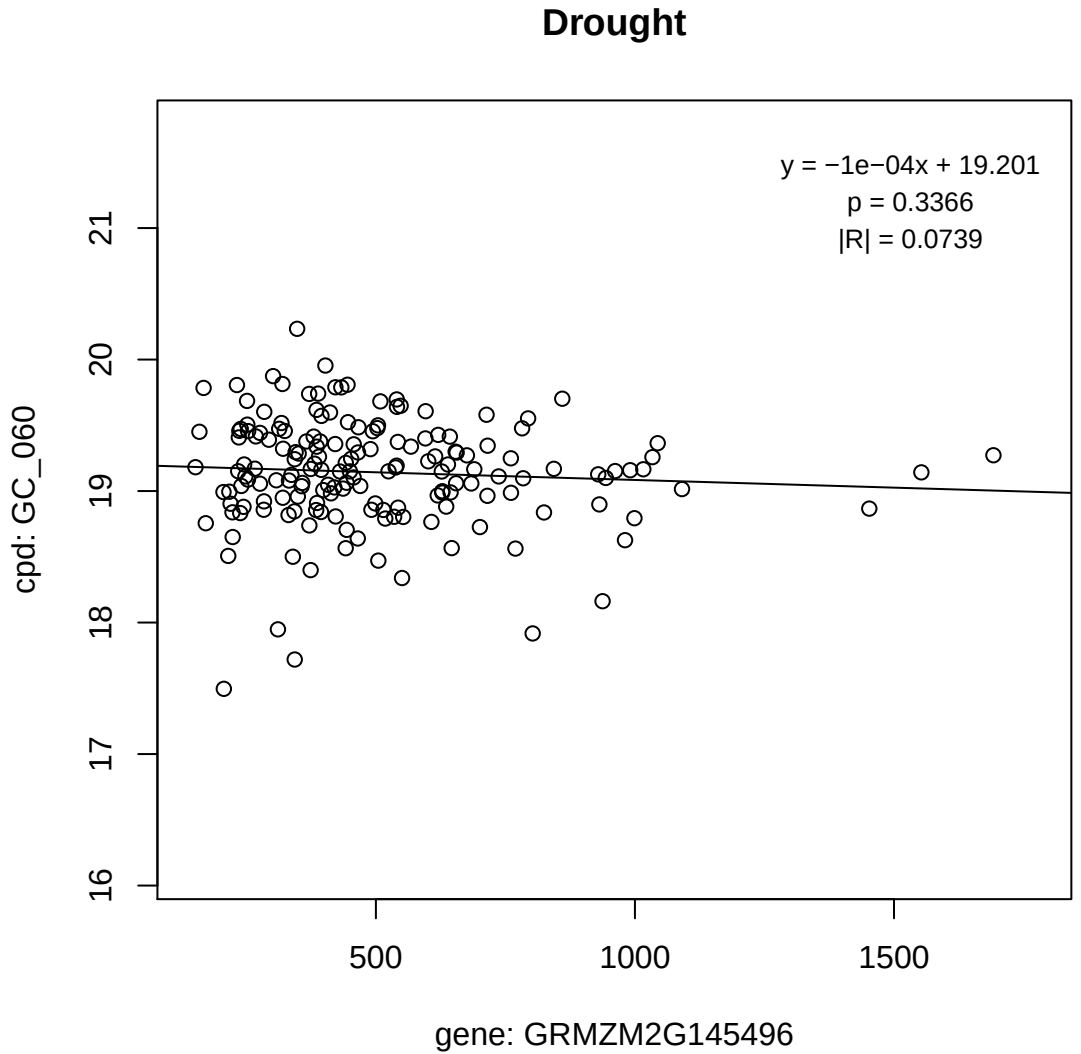

Normal
y = −1e−04x + 10.8702
p = 0.9723
|R| = 0.0027
cpd: GC_025
gene: GRMZM2G303587
Drought
y = 3e−04x + 11.1918
p = 0.9639
|R| = 0.0035
cpd: GC_025
gene: GRMZM2G303587

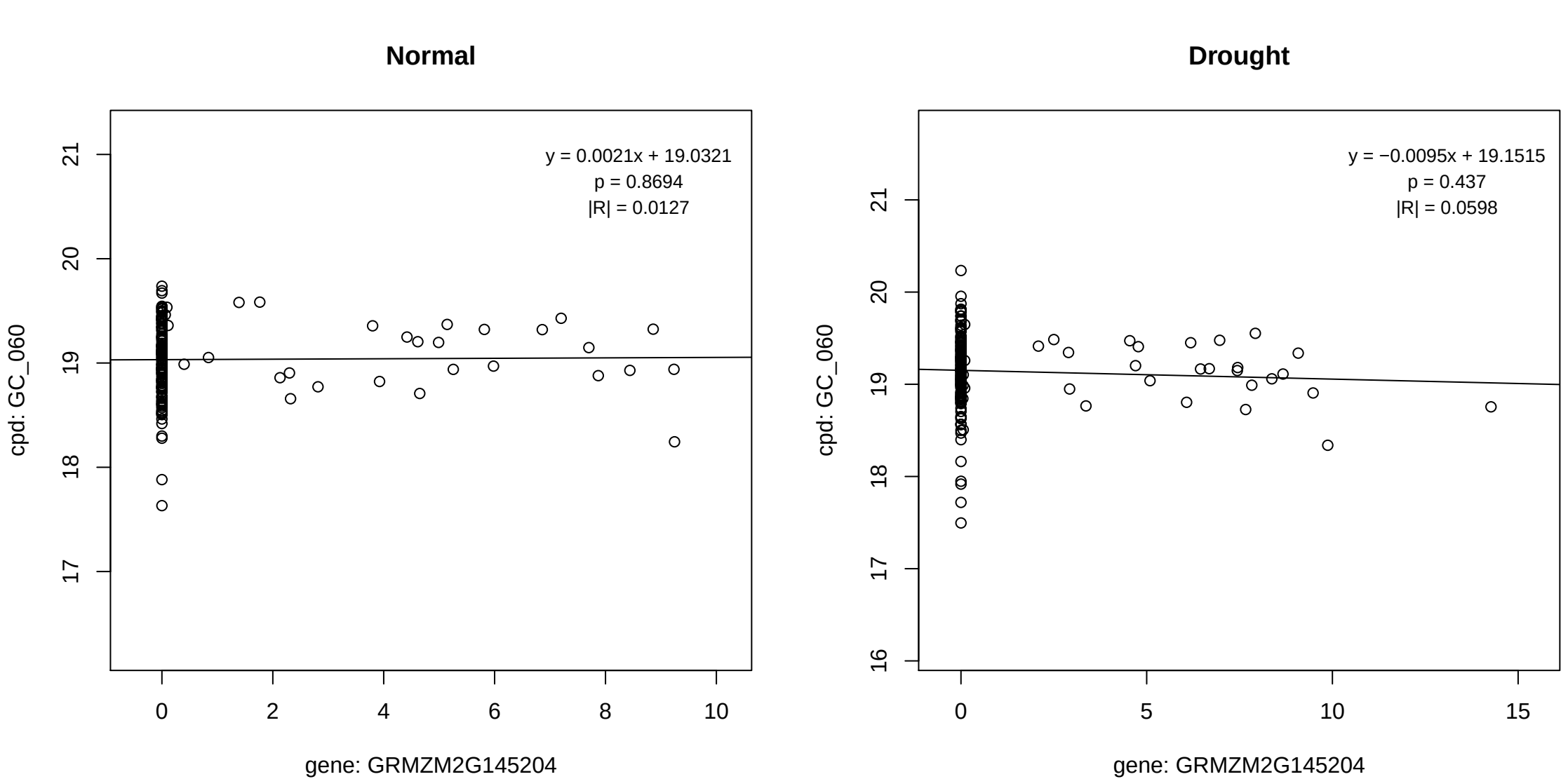

Normal
y = 0.3695x + 19.0325
p = 0.7824
|R| = 0.0213
cpd: GC_060
gene: GRMZM2G064933
Drought
y = −1.4211x + 19.1489
p = 0.3266
|R| = 0.0755
cpd: GC_060
gene: GRMZM2G064933

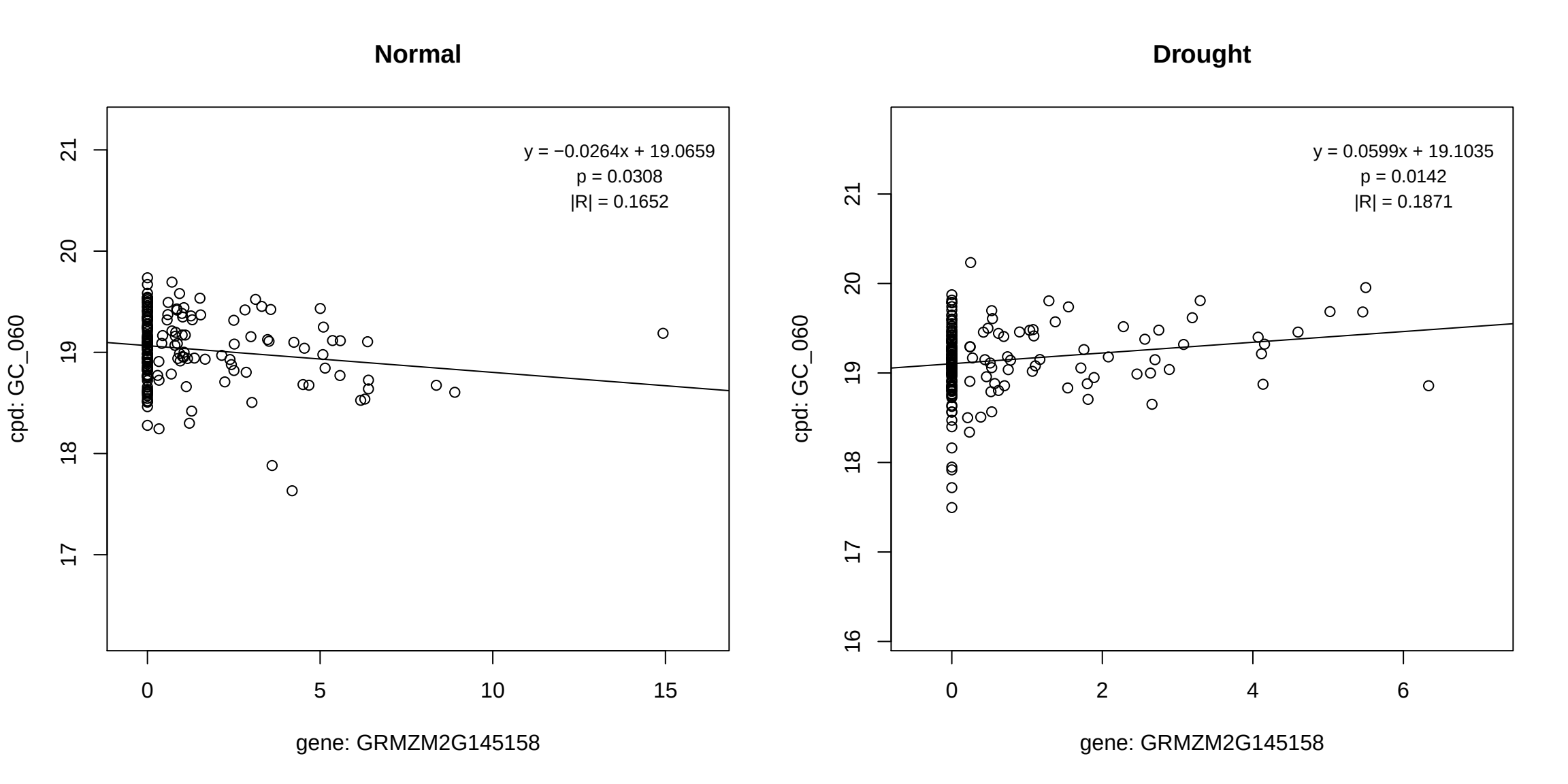

Normal
y = 0.0089x + 19.0248
p = 0.8806
|R| = 0.0116
cpd: GC_060
gene: GRMZM2G064905
Drought
y = −0.0447x + 19.2081
p = 0.5044
|R| = 0.0514
cpd: GC_060
gene: GRMZM2G064905

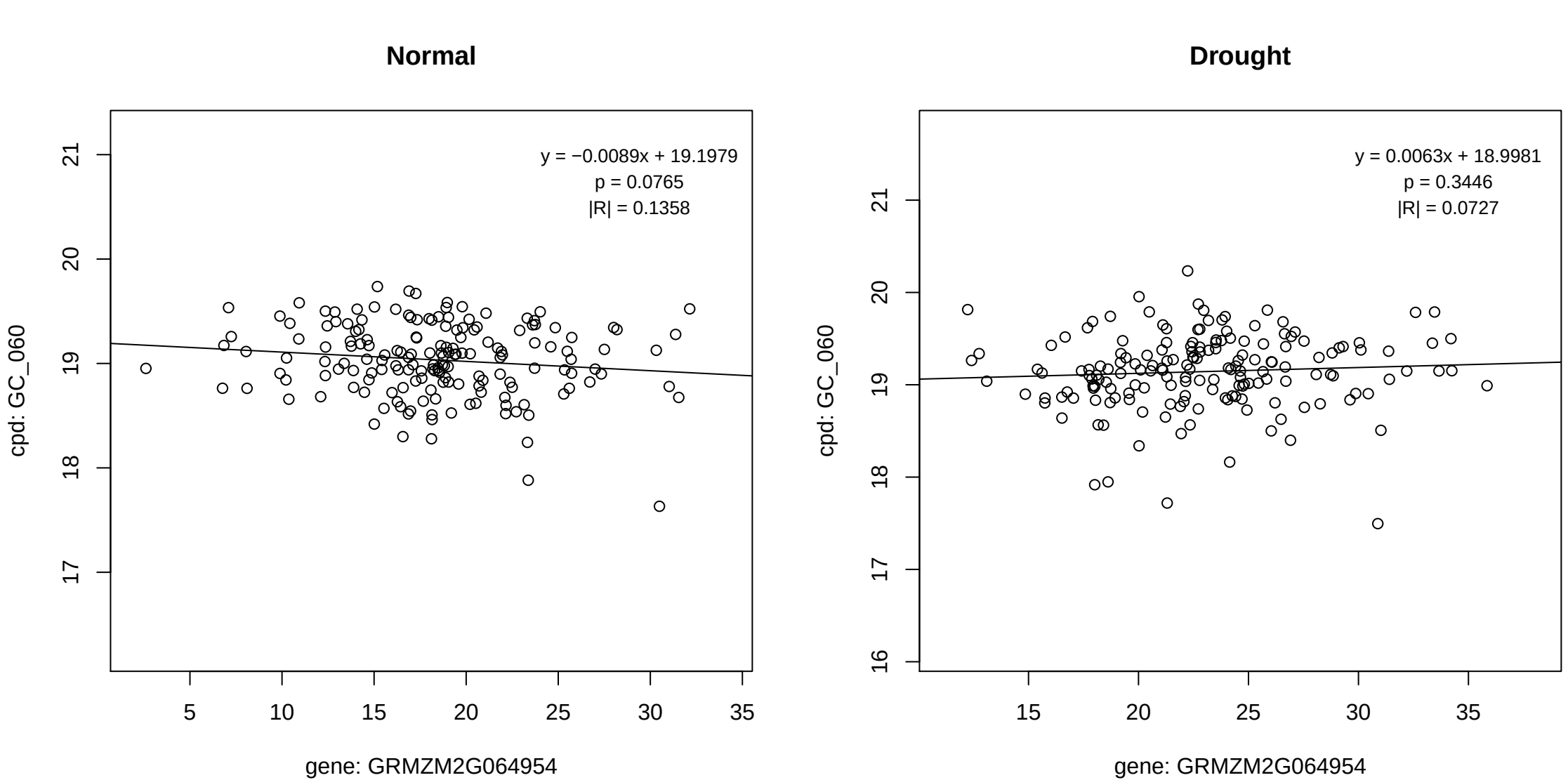

Normal
y = 7e−04x + 19.0099
p = 0.5145
|R| = 0.0502
cpd: GC_060
gene: GRMZM2G034638
Drought
y = −0.0014x + 19.1836
p = 0.4652
|R| = 0.0562
cpd: GC_060
gene: GRMZM2G034638

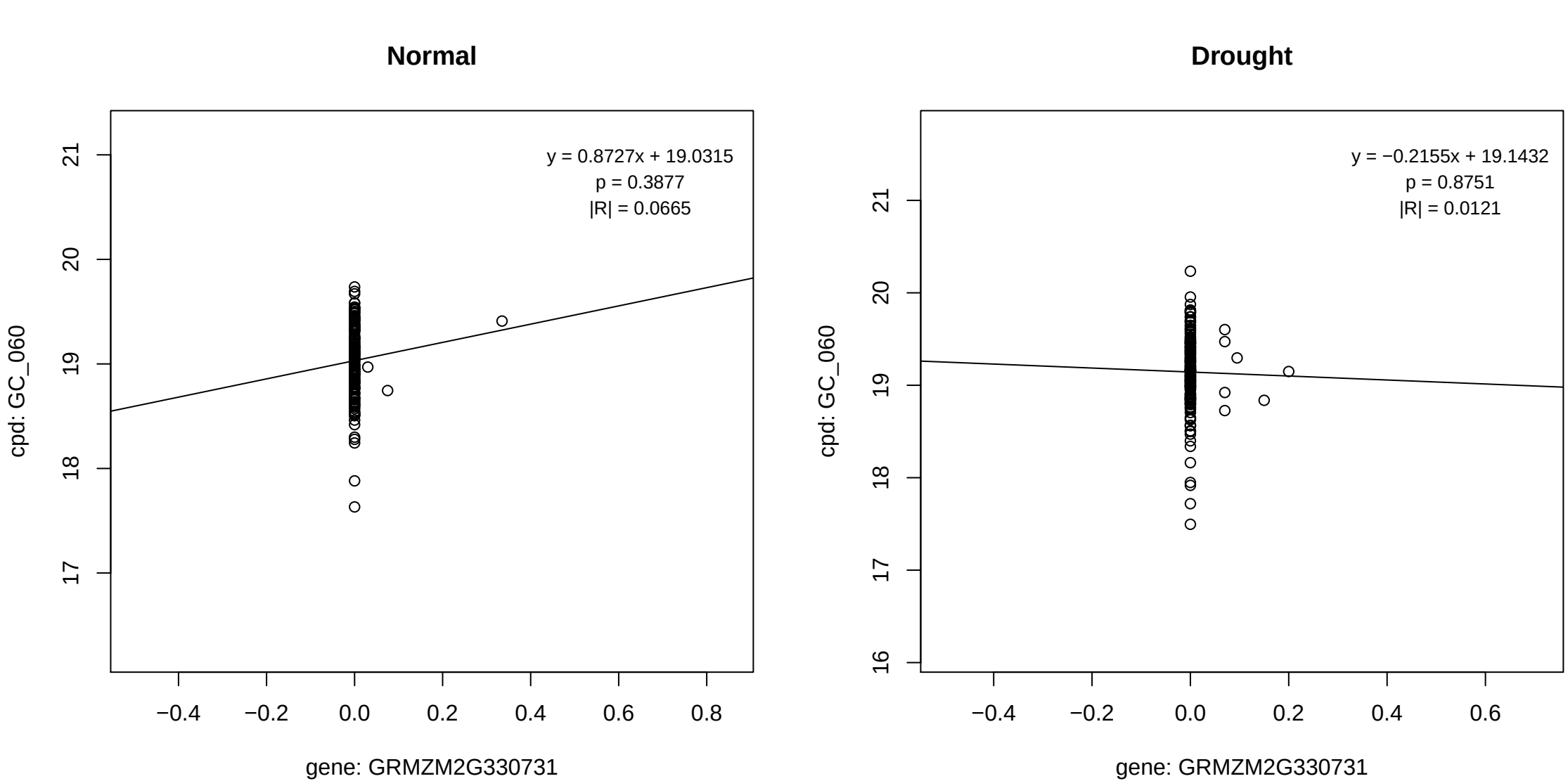

Normal
y = 1e−04x + 19.0091
p = 0.6387
|R| = 0.0362
cpd: GC_060
gene: GRMZM2G145496
17
18
19
20
21
200
400
600
800
1000
1200
1400

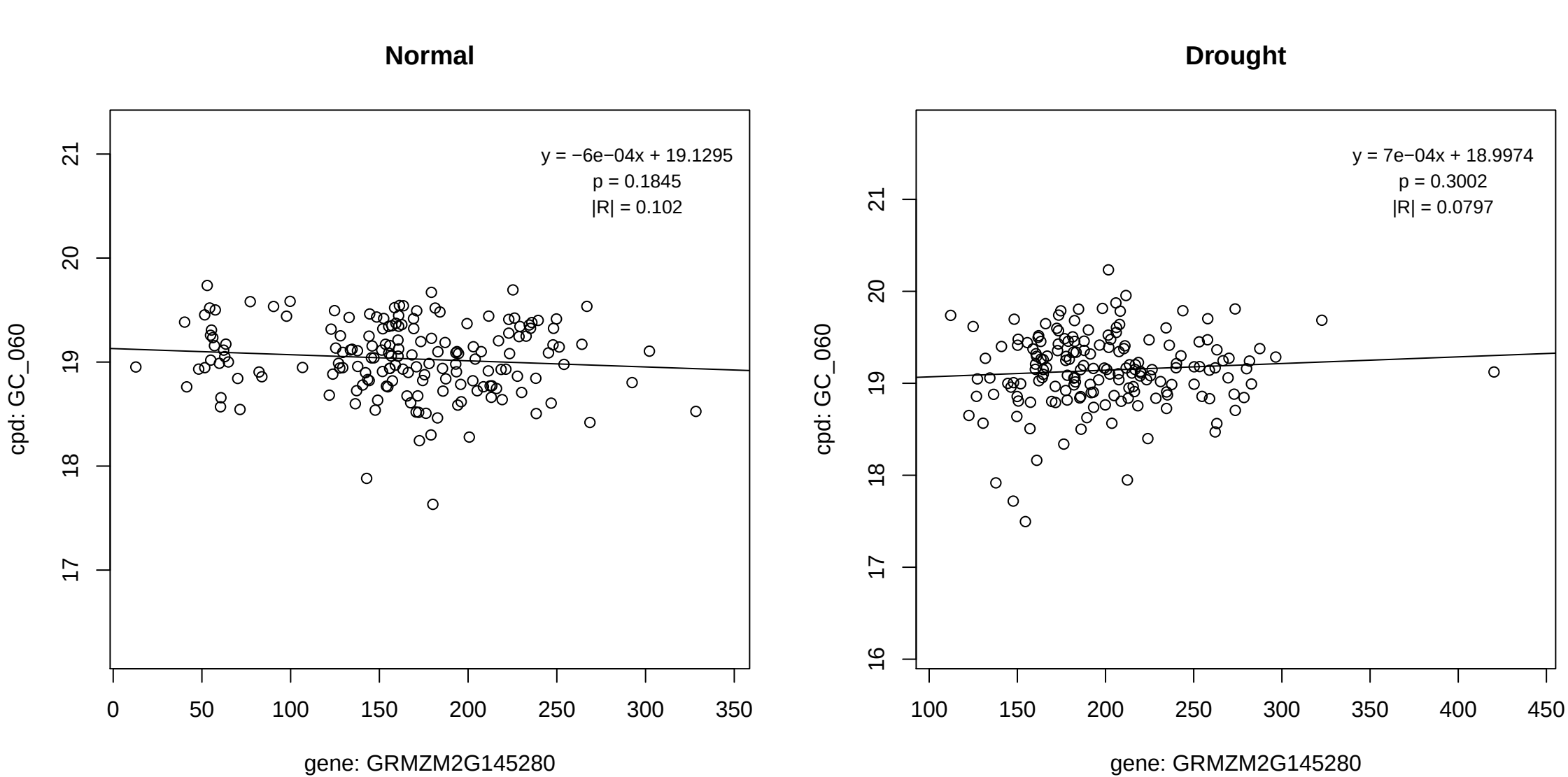

Drought
y = −1e−04x + 19.201
p = 0.3366
|R| = 0.0739
cpd: GC_060
gene: GRMZM2G145496
16
17
18
19
20
21
500
1000
1500

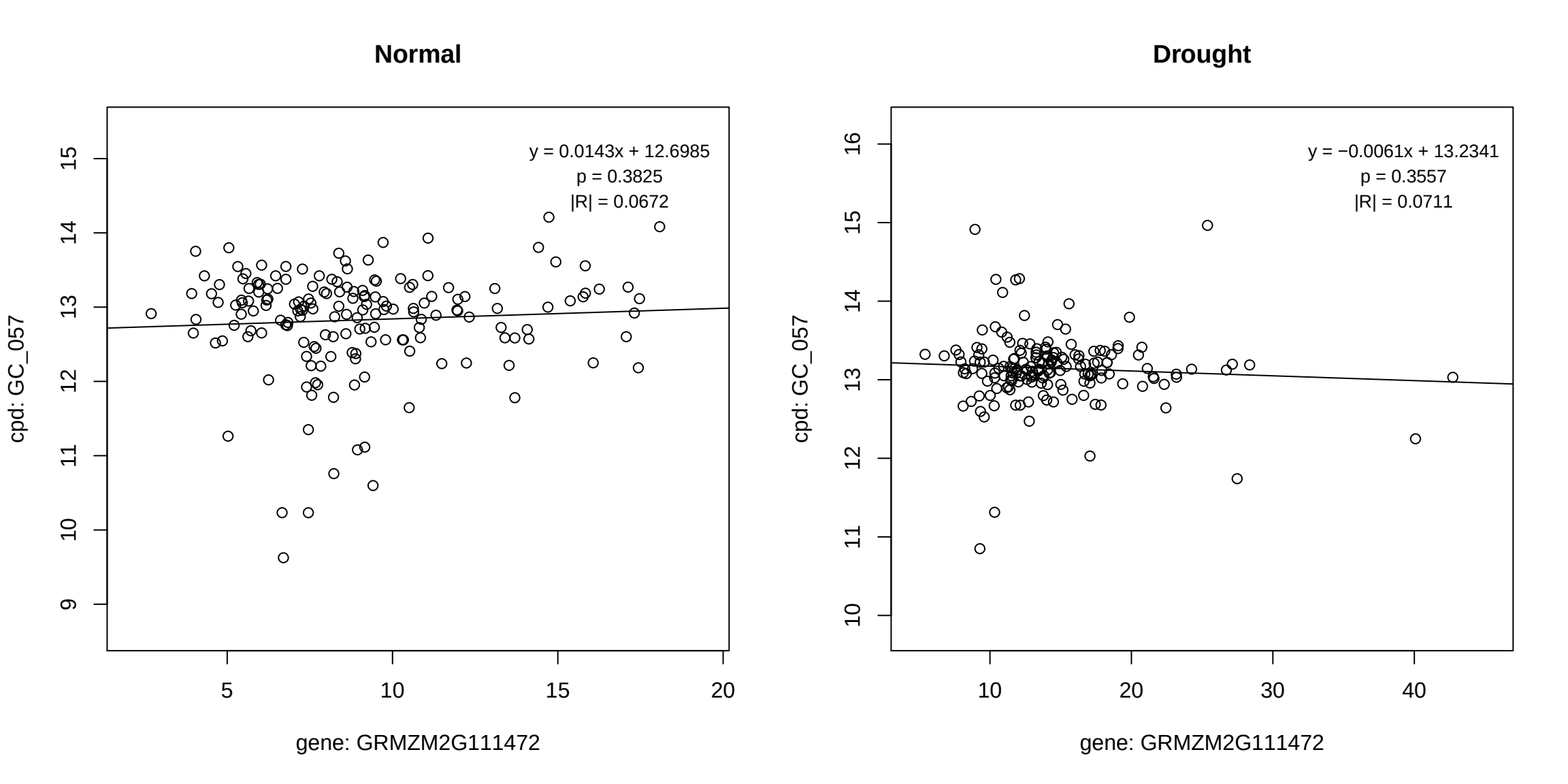

Normal
y = 0.0021x + 19.0321
p = 0.8694
|R| = 0.0127
cpd: GC_060
gene: GRMZM2G145204
Drought
y = −0.0095x + 19.1515
p = 0.437
|R| = 0.0598
cpd: GC_060
gene: GRMZM2G145204

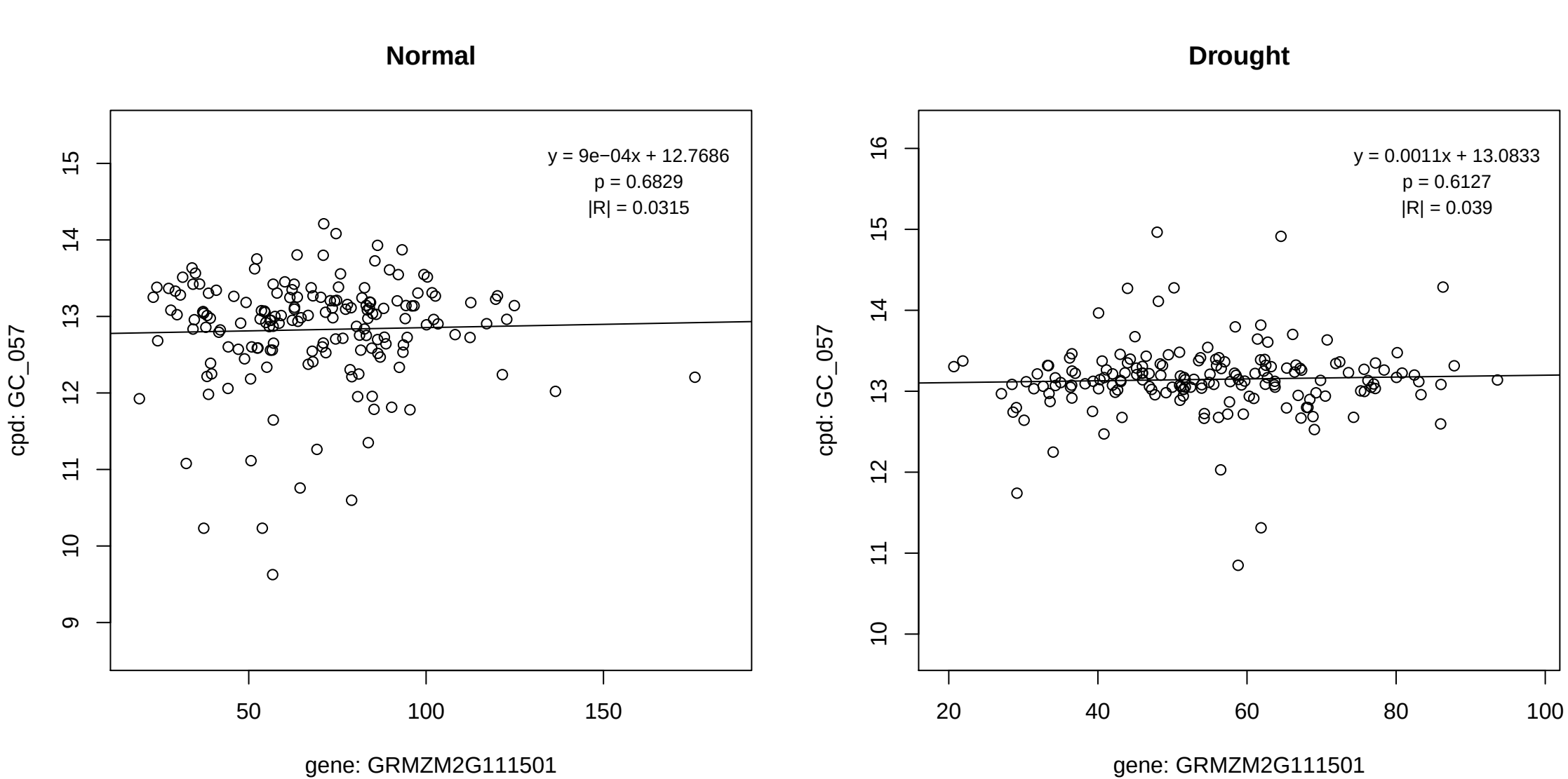

Normal
y = −0.0264x + 19.0659
p = 0.0308
|R| = 0.1652
cpd: GC_060
gene: GRMZM2G145158
Drought
y = 0.0599x + 19.1035
p = 0.0142
|R| = 0.1871
cpd: GC_060
gene: GRMZM2G145158

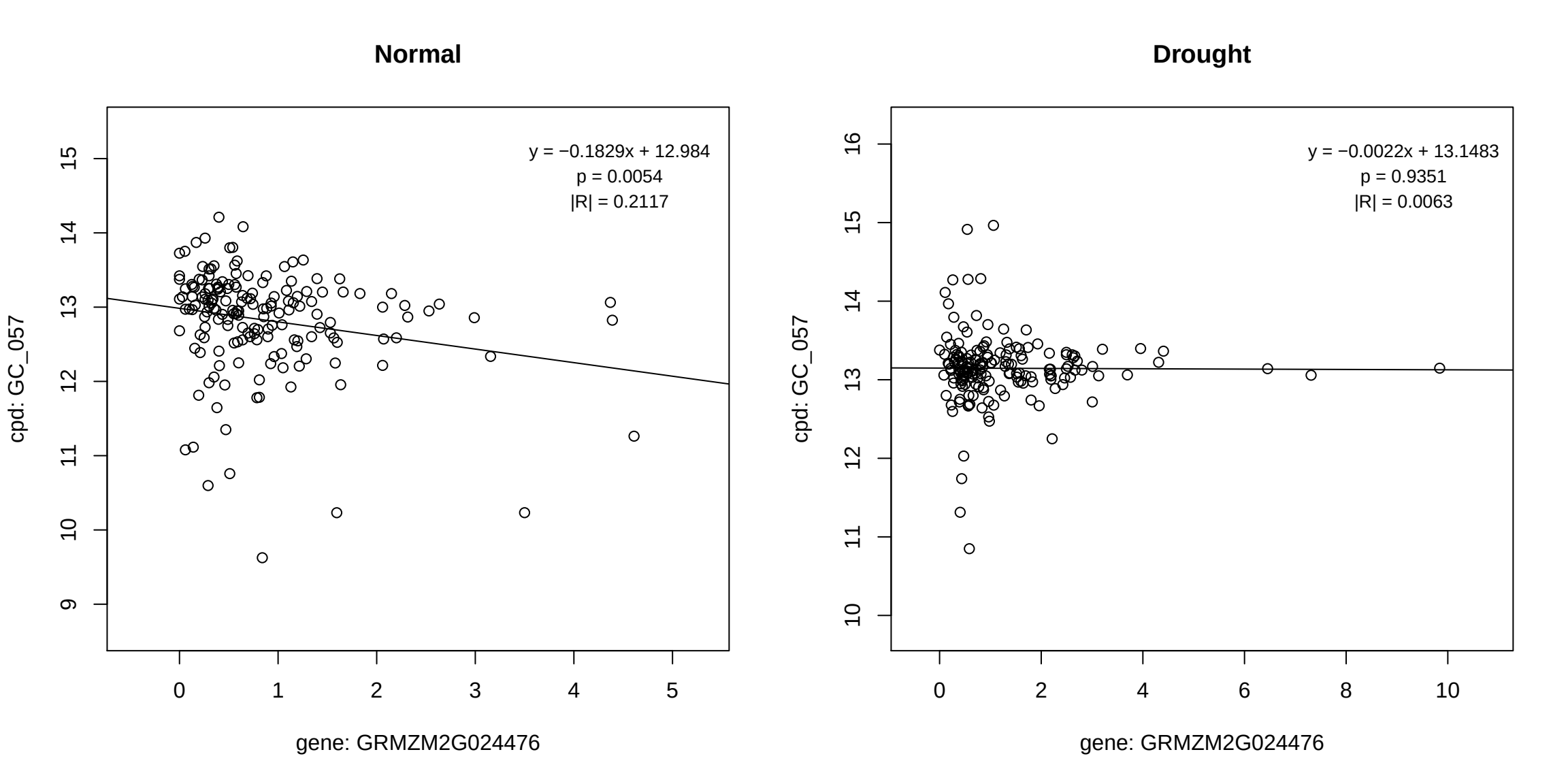

Normal
y = −0.0089x + 19.1979
p = 0.0765
|R| = 0.1358
cpd: GC_060
gene: GRMZM2G064954
Drought
y = 0.0063x + 18.9981
p = 0.3446
|R| = 0.0727
cpd: GC_060
gene: GRMZM2G064954

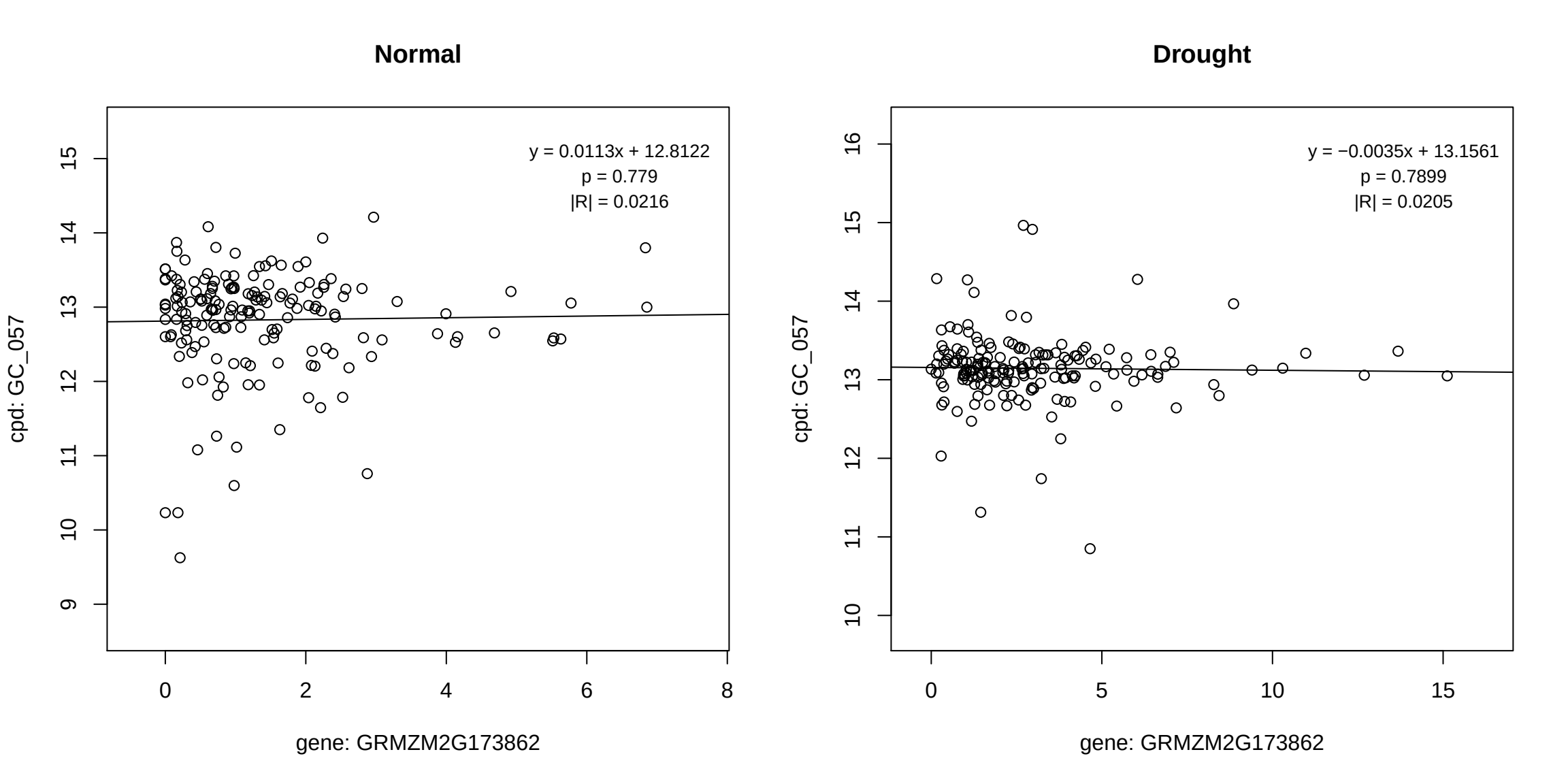

Normal
y = 0.8727x + 19.0315
p = 0.3877
|R| = 0.0665
cpd: GC_060
gene: GRMZM2G330731
Drought
y = −0.2155x + 19.1432
p = 0.8751
|R| = 0.0121
cpd: GC_060
gene: GRMZM2G330731

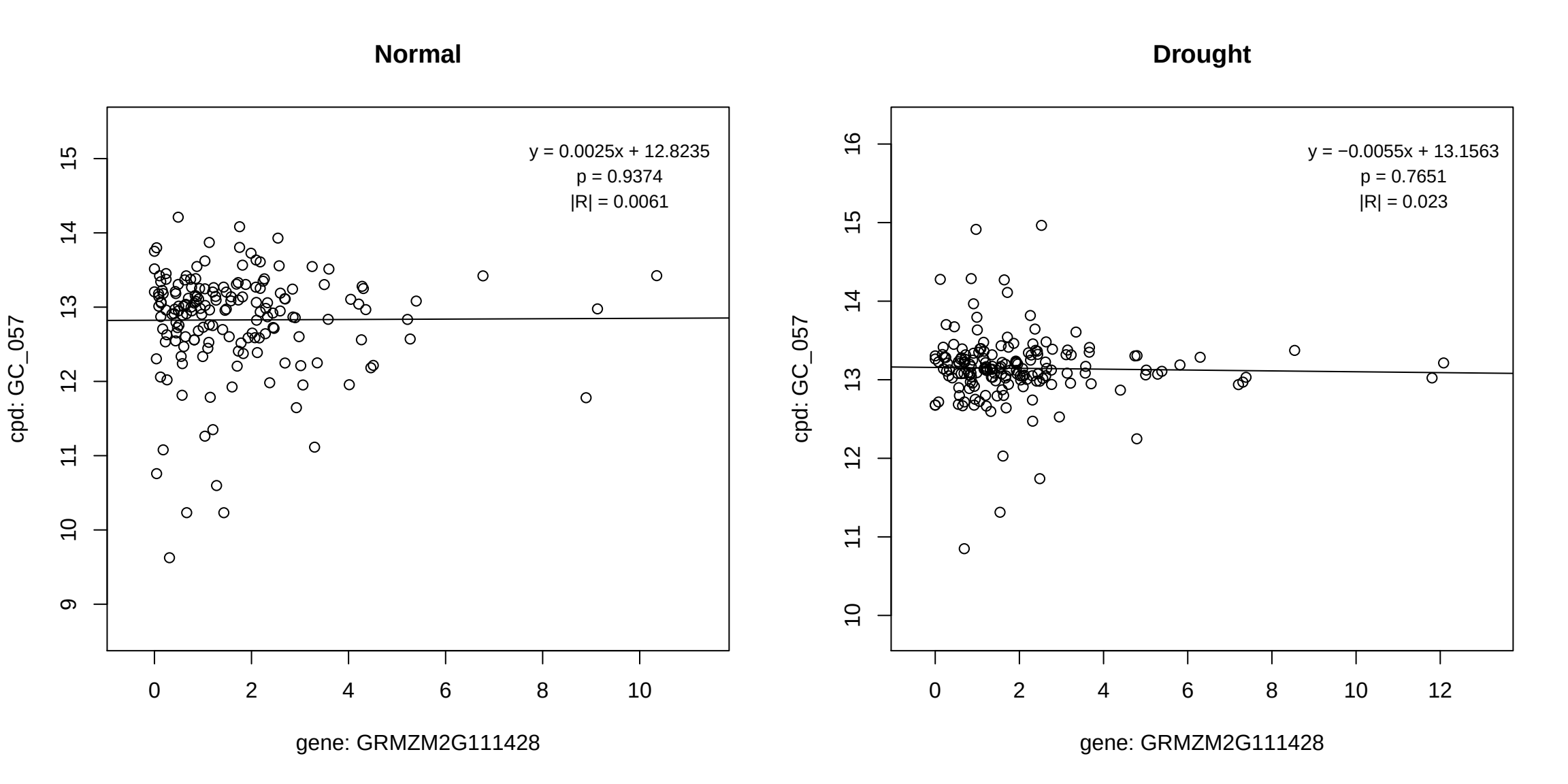

Normal
y = −6e−04x + 19.1295
p = 0.1845
|R| = 0.102
cpd: GC_060
gene: GRMZM2G145280
Drought
y = 7e−04x + 18.9974
p = 0.3002
|R| = 0.0797
cpd: GC_060
gene: GRMZM2G145280

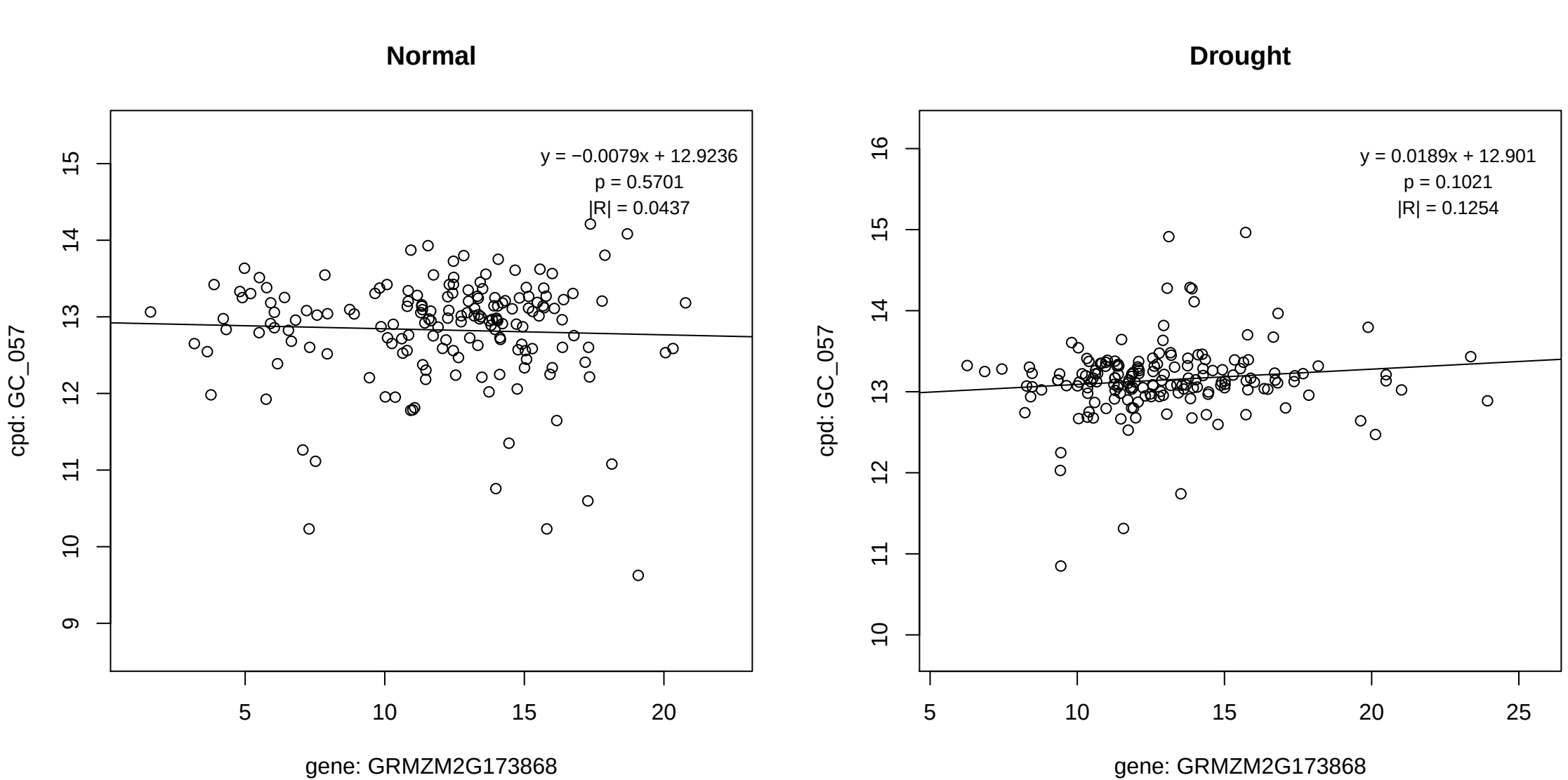

Normal
y = 0.0143x + 12.6985
p = 0.3825
|R| = 0.0672
cpd: GC_057
gene: GRMZM2G111472
Drought
y = −0.0061x + 13.2341
p = 0.3557
|R| = 0.0711
cpd: GC_057
gene: GRMZM2G111472

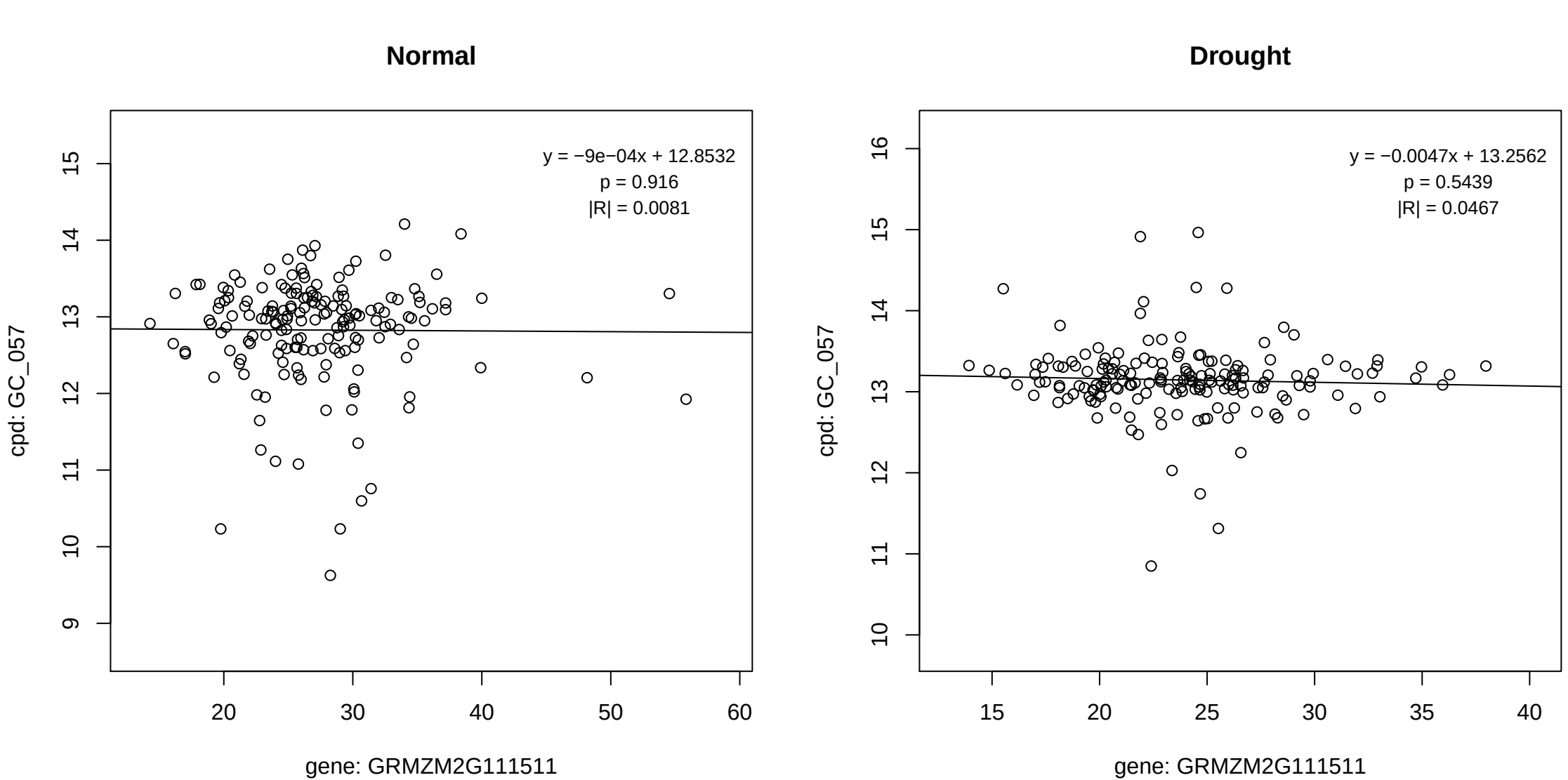

Normal
y = 9e−04x + 12.7686
p = 0.6829
|R| = 0.0315
cpd: GC_057
gene: GRMZM2G111501
Drought
y = 0.0011x + 13.0833
p = 0.6127
|R| = 0.039
cpd: GC_057
gene: GRMZM2G111501

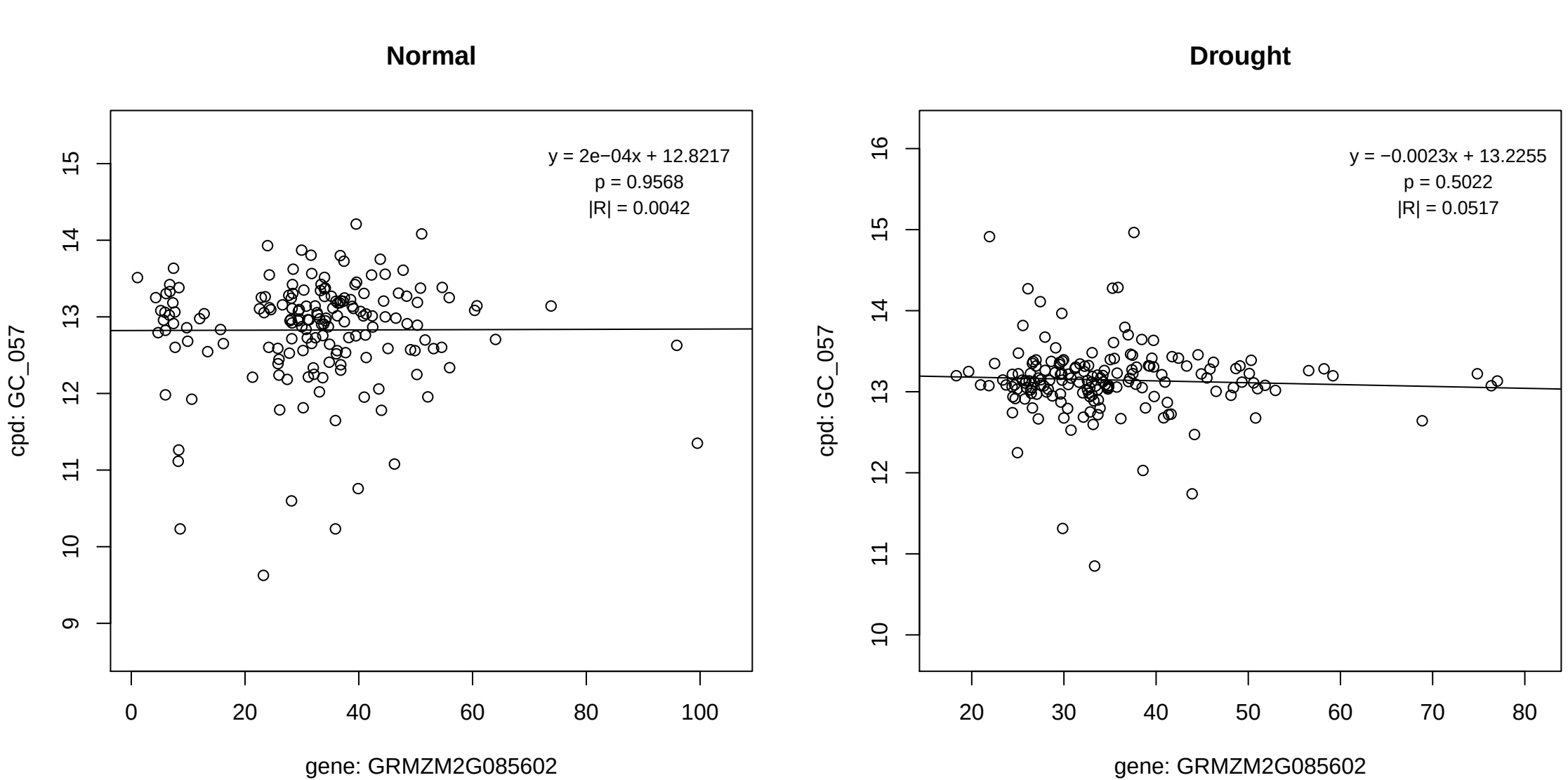

Normal
y = −0.1829x + 12.984
p = 0.0054
|R| = 0.2117
cpd: GC_057
gene: GRMZM2G024476
Drought
y = −0.0022x + 13.1483
p = 0.9351
|R| = 0.0063
cpd: GC_057
gene: GRMZM2G024476

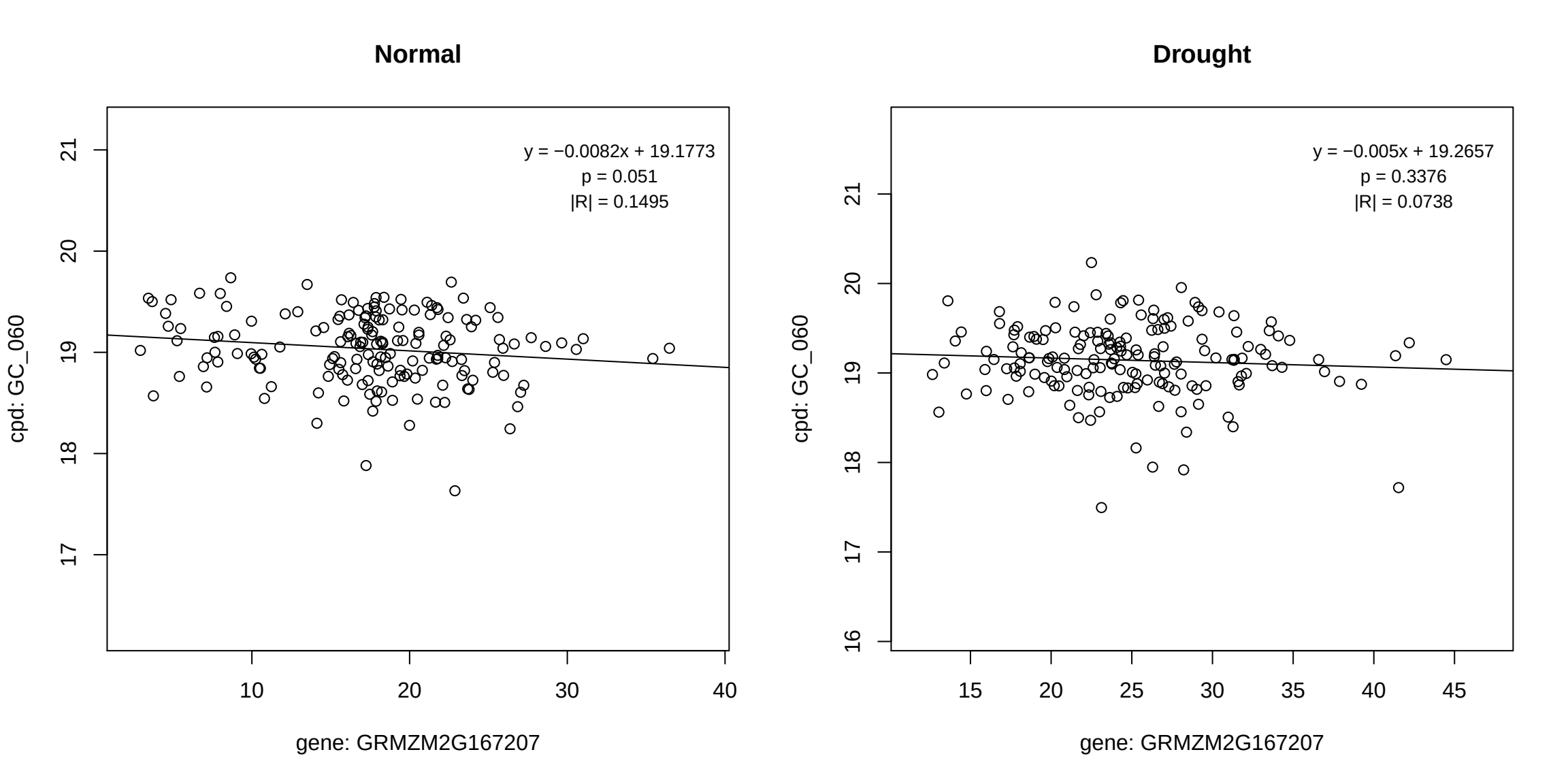

Normal
y = 0.0113x + 12.8122
p = 0.779
|R| = 0.0216
cpd: GC_057
gene: GRMZM2G173862
Drought
y = −0.0035x + 13.1561
p = 0.7899
|R| = 0.0205
cpd: GC_057
gene: GRMZM2G173862

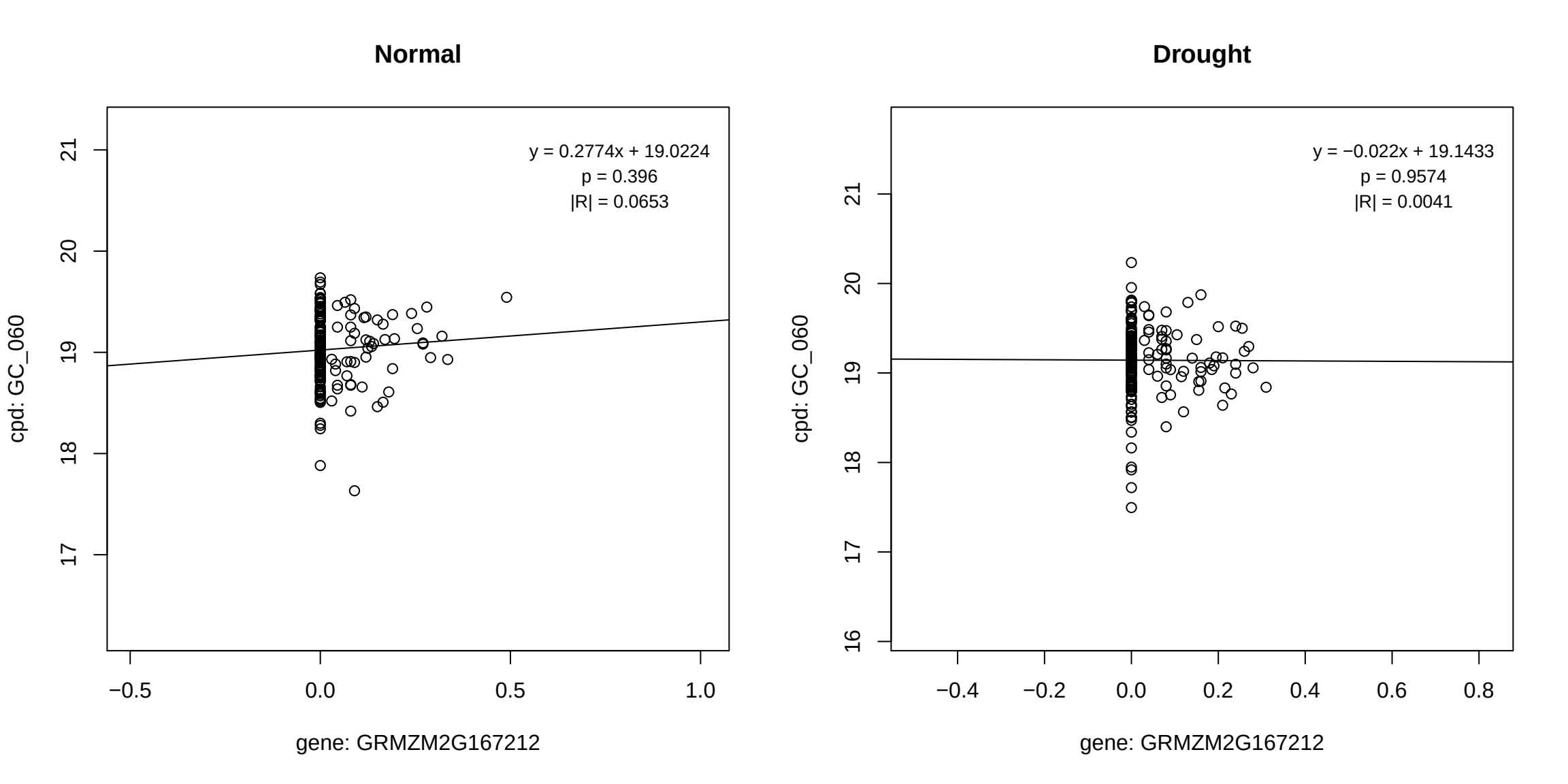

Normal
y = 0.0025x + 12.8235
p = 0.9374
|R| = 0.0061
cpd: GC_057
gene: GRMZM2G111428
Drought
y = −0.0055x + 13.1563
p = 0.7651
|R| = 0.023
cpd: GC_057
gene: GRMZM2G111428

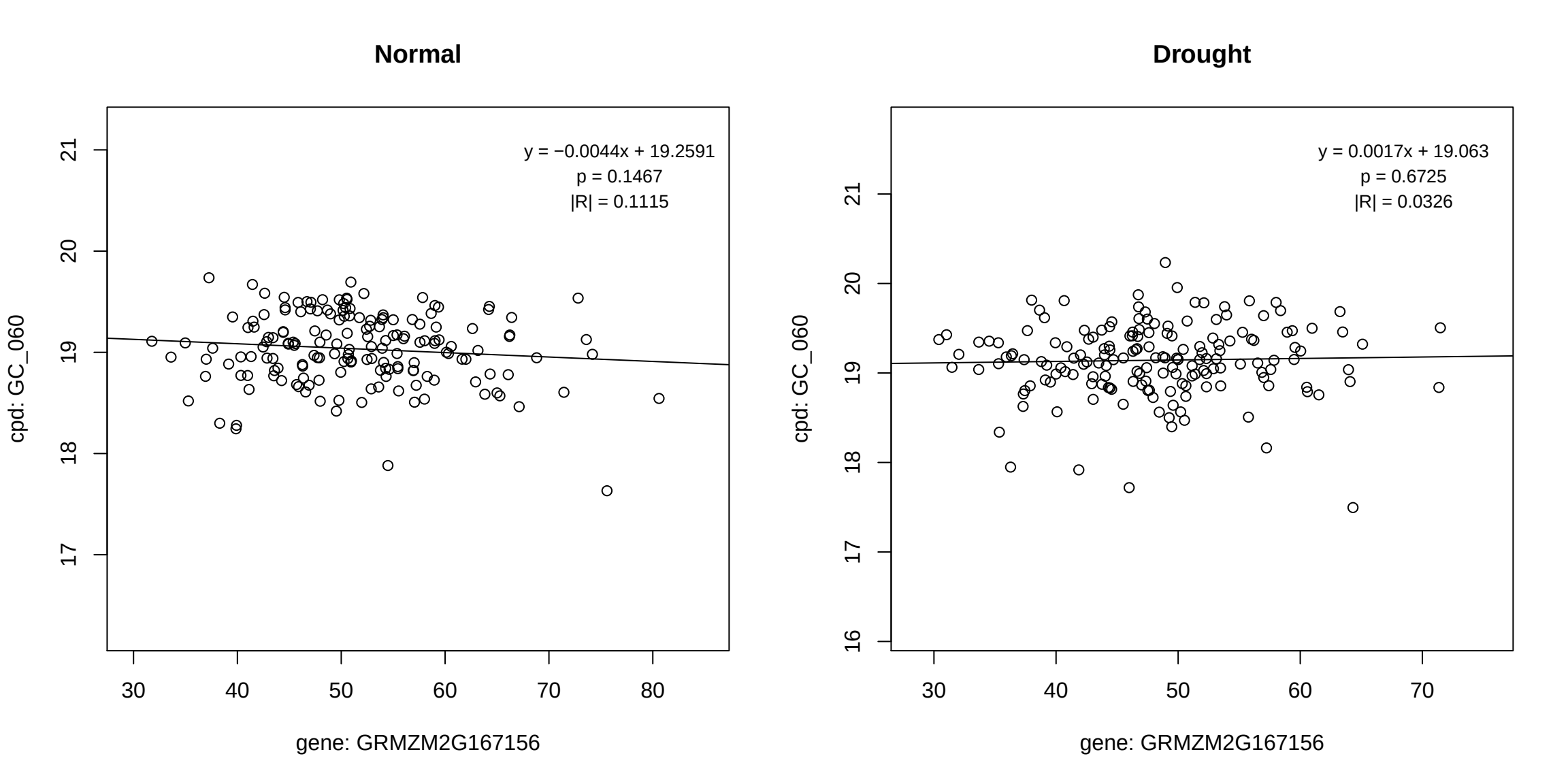

Normal
y = −0.0079x + 12.9236
p = 0.5701
|R| = 0.0437
cpd: GC_057
gene: GRMZM2G173868
Drought
y = 0.0189x + 12.901
p = 0.1021
|R| = 0.1254
cpd: GC_057
gene: GRMZM2G173868

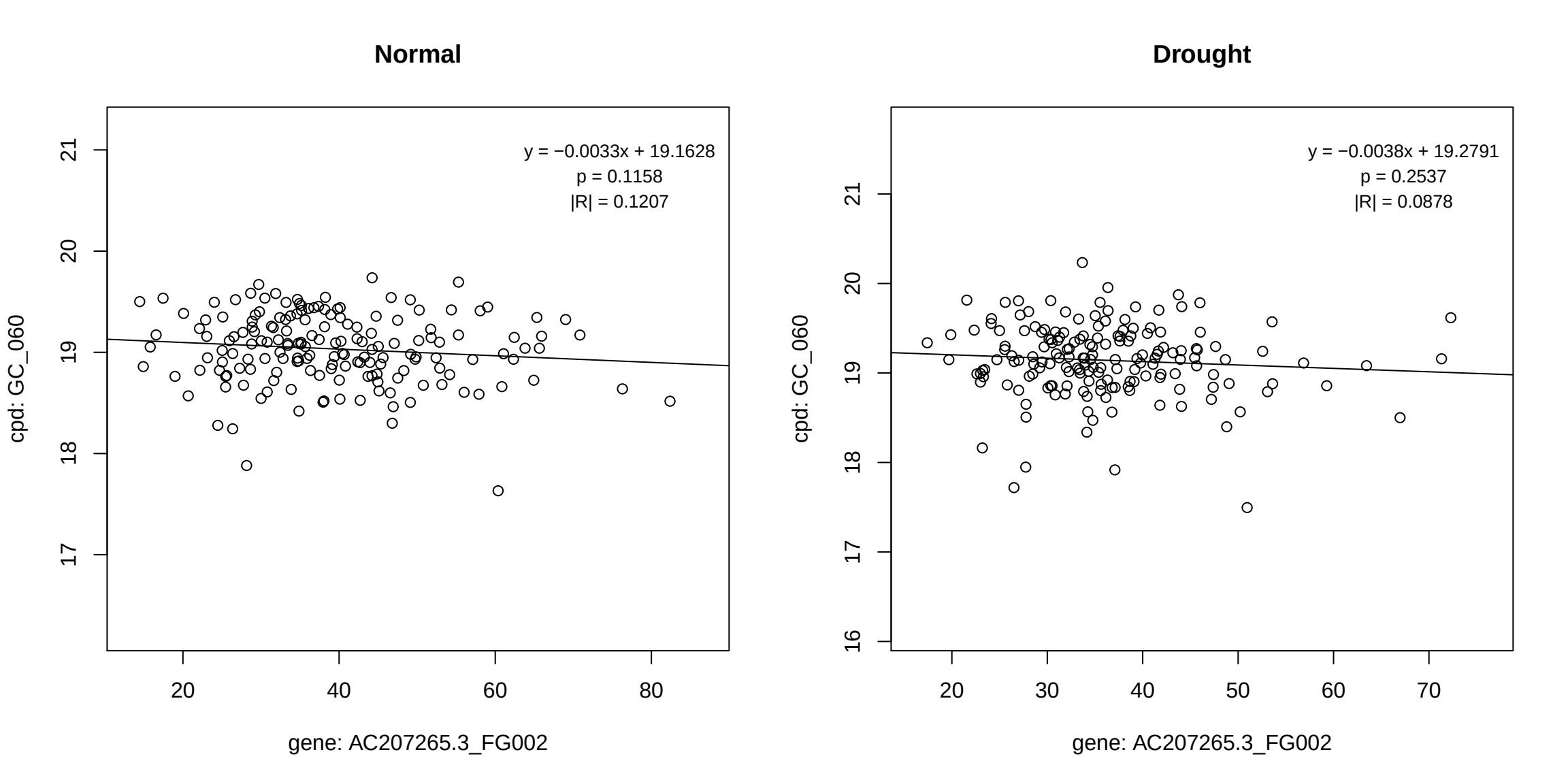

Normal
y = −9e−04x + 12.8532
p = 0.916
|R| = 0.0081
cpd: GC_057
gene: GRMZM2G111511
Drought
y = −0.0047x + 13.2562
p = 0.5439
|R| = 0.0467
cpd: GC_057
gene: GRMZM2G111511

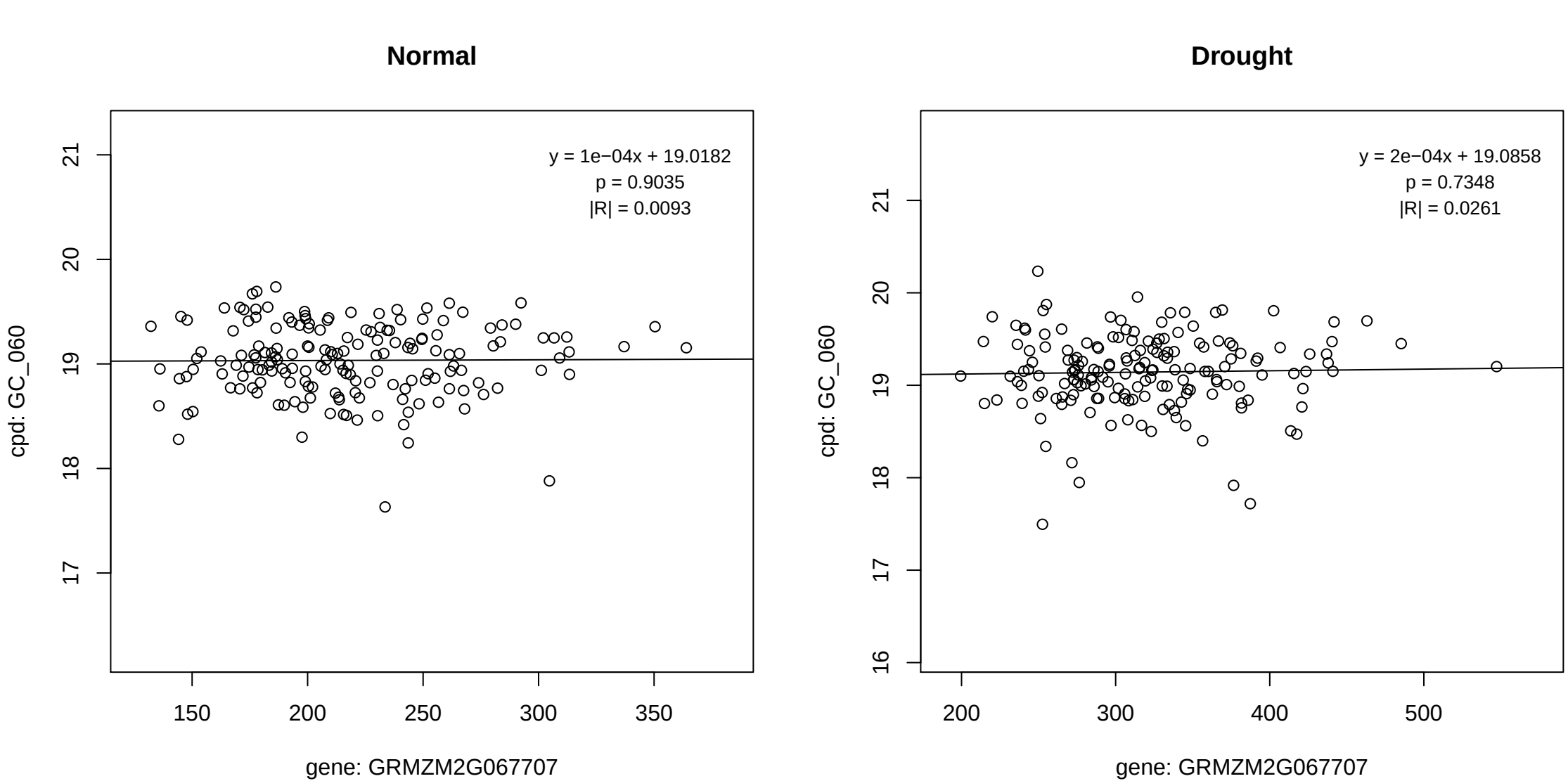

Normal
y = 2e−04x + 12.8217
p = 0.9568
|R| = 0.0042
cpd: GC_057
gene: GRMZM2G085602
Drought
y = −0.0023x + 13.2255
p = 0.5022
|R| = 0.0517
cpd: GC_057
gene: GRMZM2G085602

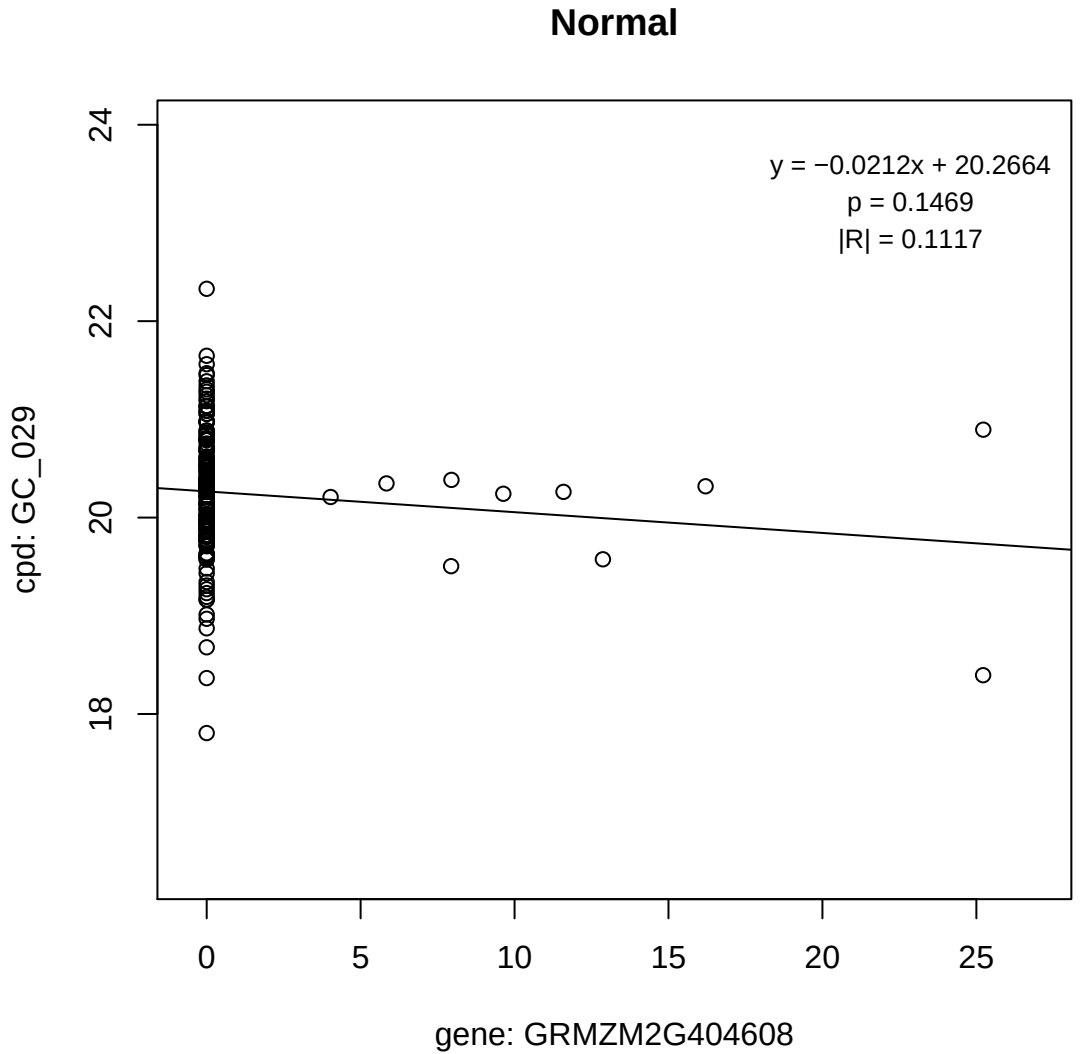

Normal
y = −0.0082x + 19.1773
p = 0.051
|R| = 0.1495
cpd: GC_060
gene: GRMZM2G167207
Drought
y = −0.005x + 19.2657
p = 0.3376
|R| = 0.0738
cpd: GC_060
gene: GRMZM2G167207

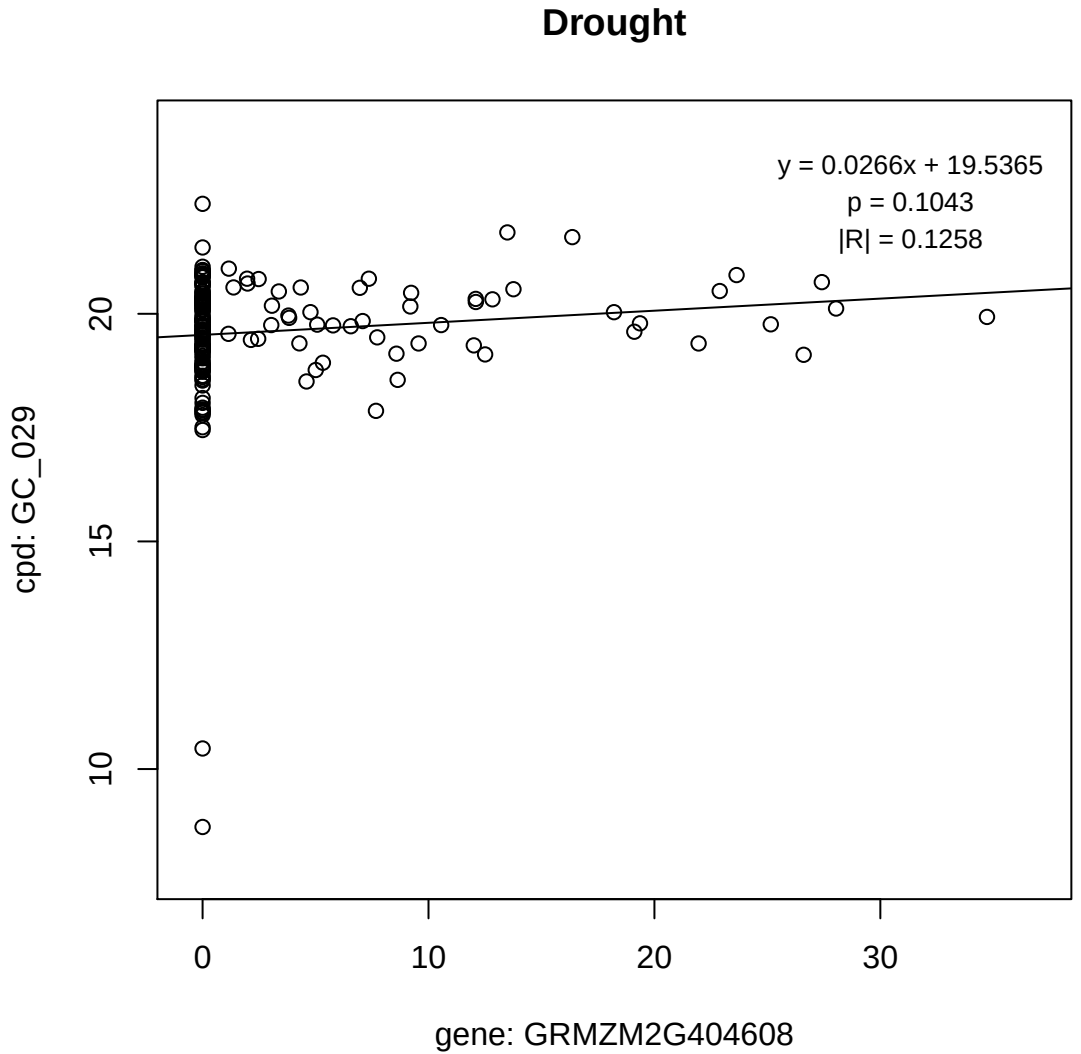

Normal
y = 0.2774x + 19.0224
p = 0.396
|R| = 0.0653
cpd: GC_060
gene: GRMZM2G167212
Drought
y = −0.022x + 19.1433
p = 0.9574
|R| = 0.0041
cpd: GC_060
gene: GRMZM2G167212

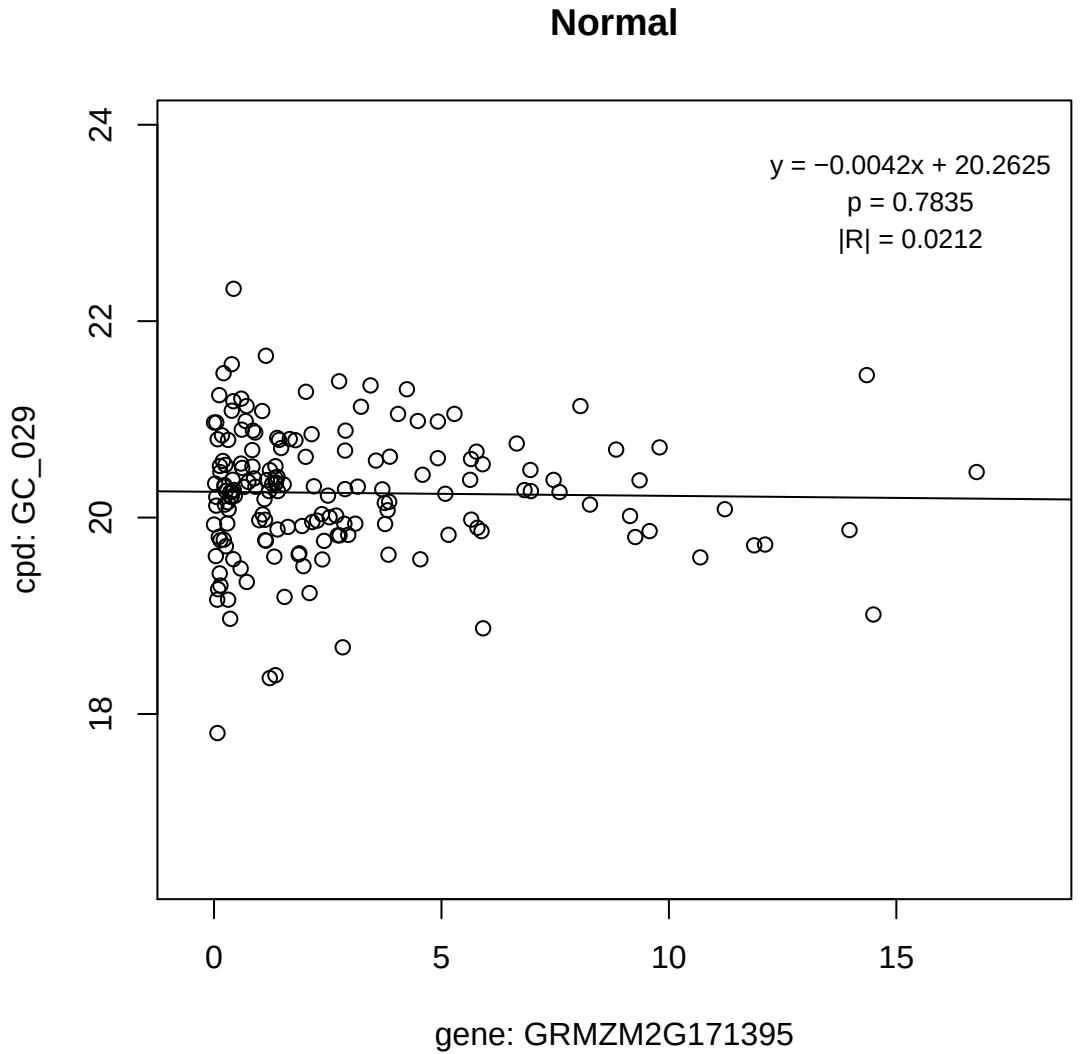

Normal
y = −0.0044x + 19.2591
p = 0.1467
|R| = 0.1115
cpd: GC_060
gene: GRMZM2G167156
Drought
y = 0.0017x + 19.063
p = 0.6725
|R| = 0.0326
cpd: GC_060
gene: GRMZM2G167156

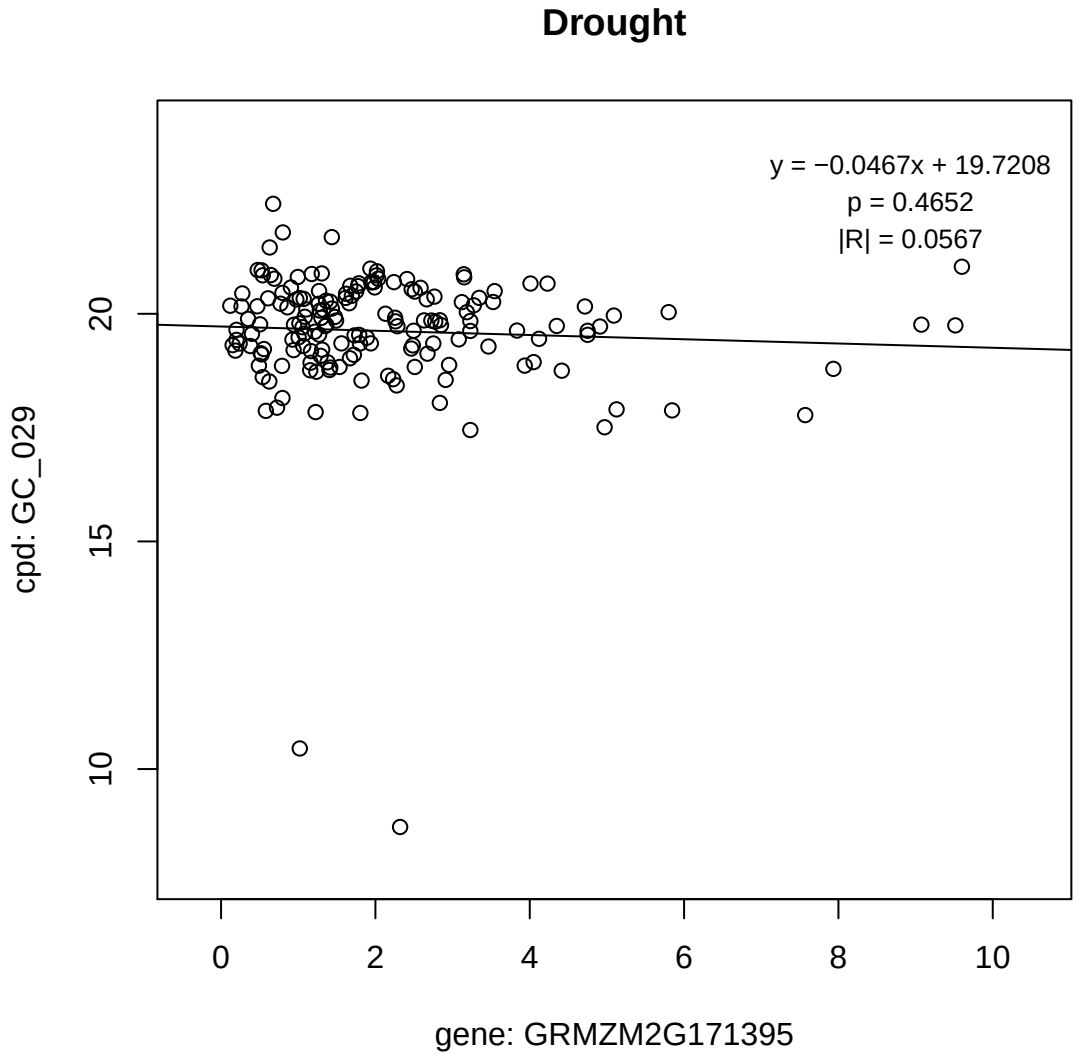

Normal
y = −0.0033x + 19.1628
p = 0.1158
|R| = 0.1207
cpd: GC_060
gene: AC207265.3_FG002
Drought
y = −0.0038x + 19.2791
p = 0.2537
|R| = 0.0878
cpd: GC_060
gene: AC207265.3_FG002

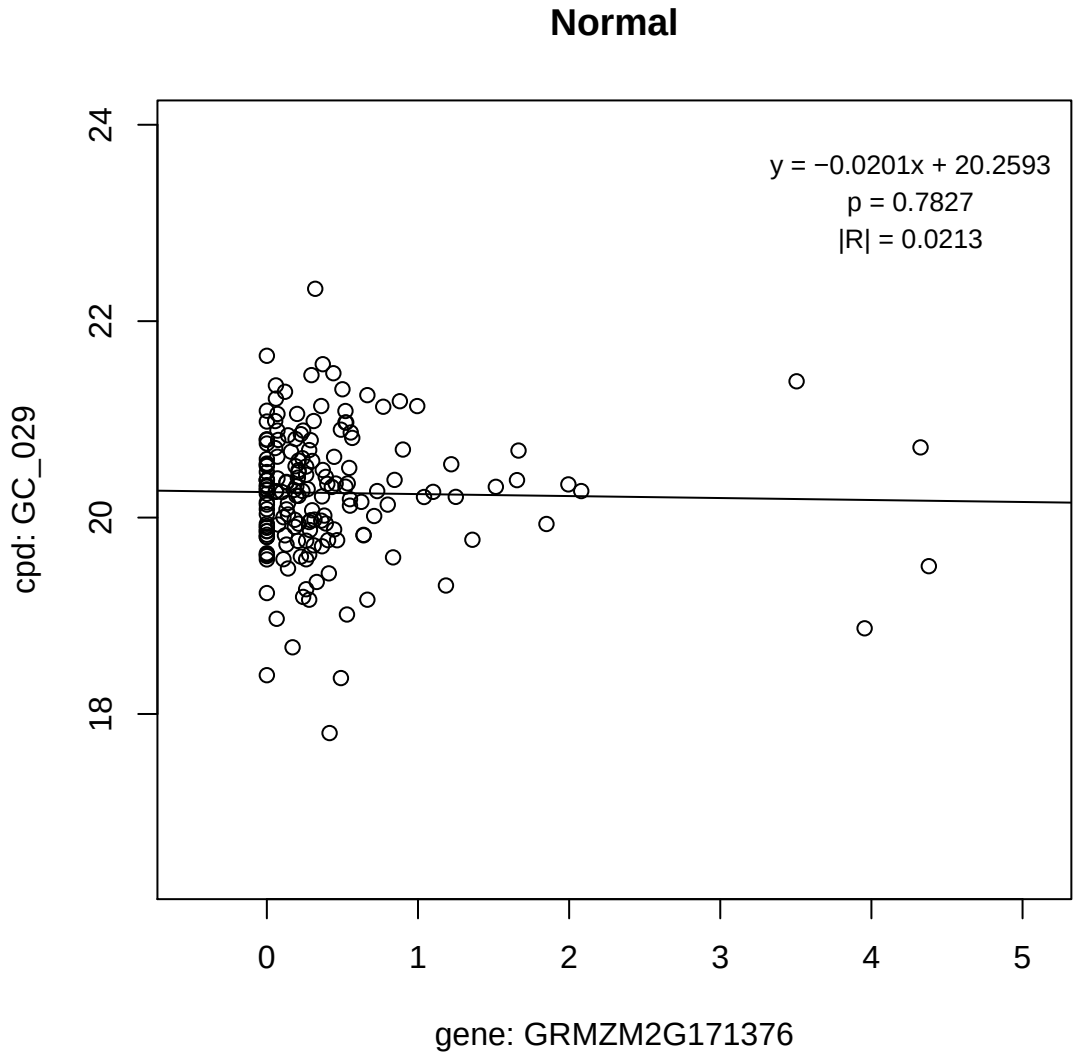

Normal
y = 1e−04x + 19.0182
p = 0.9035
|R| = 0.0093
cpd: GC_060
gene: GRMZM2G067707
Drought
y = 2e−04x + 19.0858
p = 0.7348
|R| = 0.0261
cpd: GC_060
gene: GRMZM2G067707

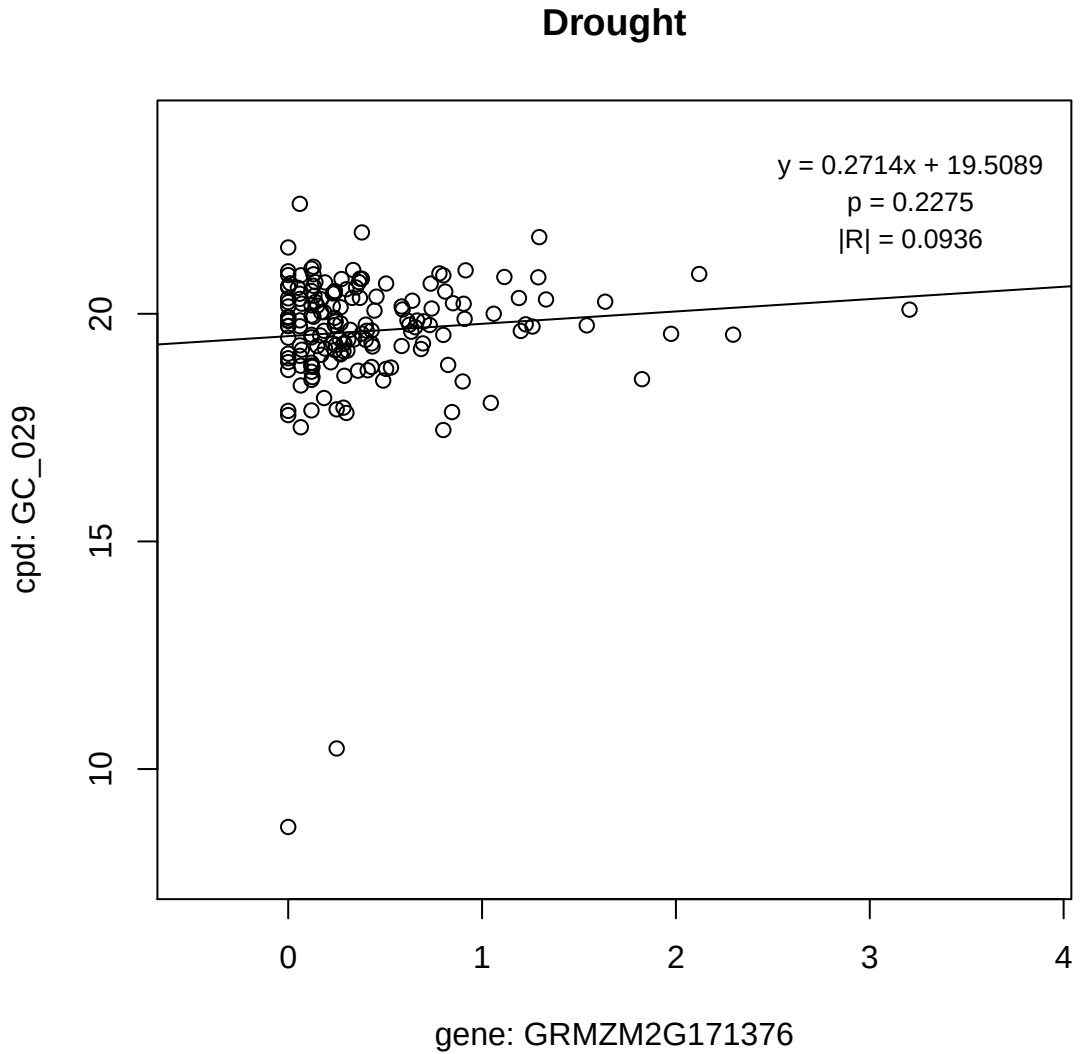

Normal
y = −0.0212x + 20.2664
p = 0.1469
|R| = 0.1117
cpd: GC_029
gene: GRMZM2G404608
0
5
10
15
20
25
18
20
22
24

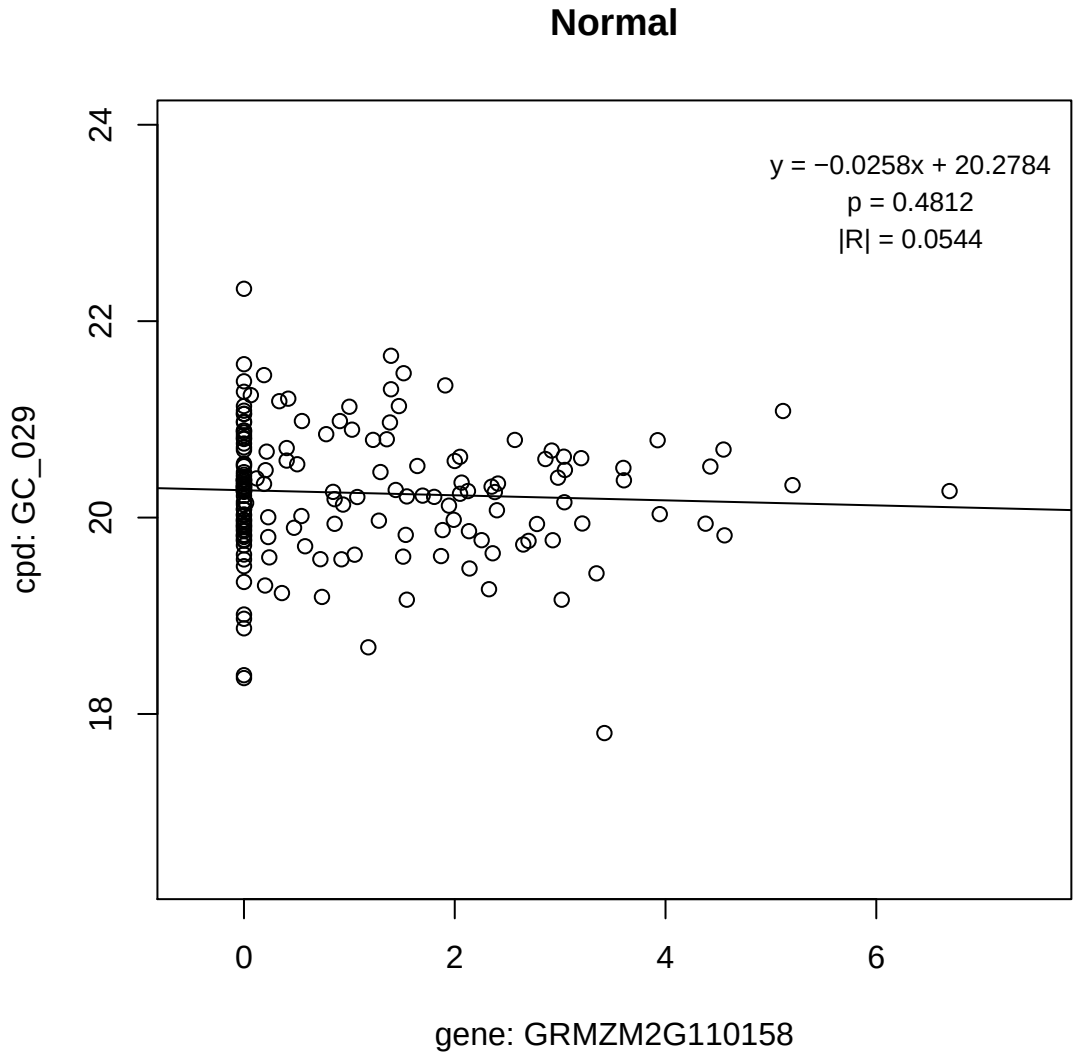

Drought
y = 0.0266x + 19.5365
p = 0.1043
|R| = 0.1258
cpd: GC_029
gene: GRMZM2G404608
0
10
20
30
10
15
20

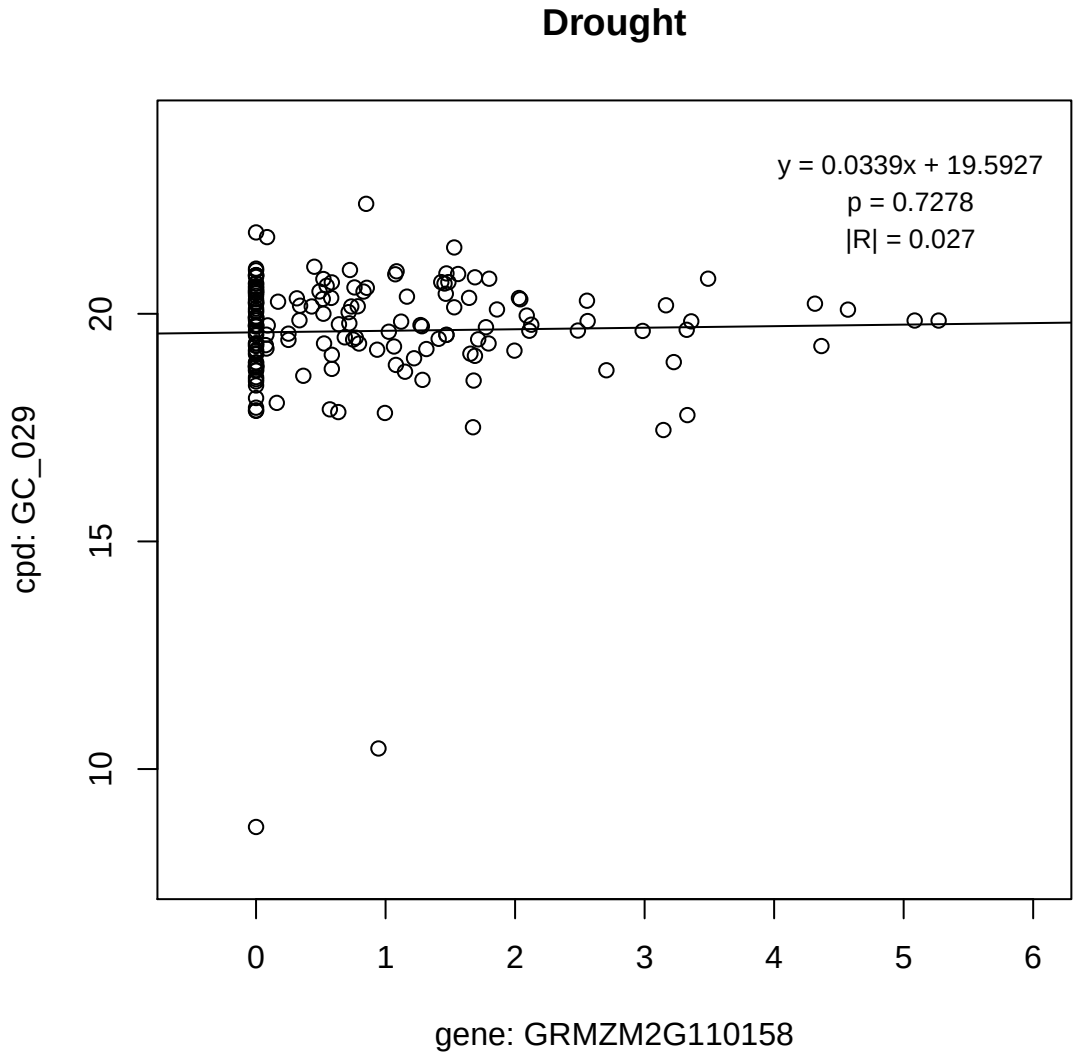

Normal
y = −0.0042x + 20.2625
p = 0.7835
|R| = 0.0212
cpd: GC_029
gene: GRMZM2G171395
18
20
22
24
0
5
10
15

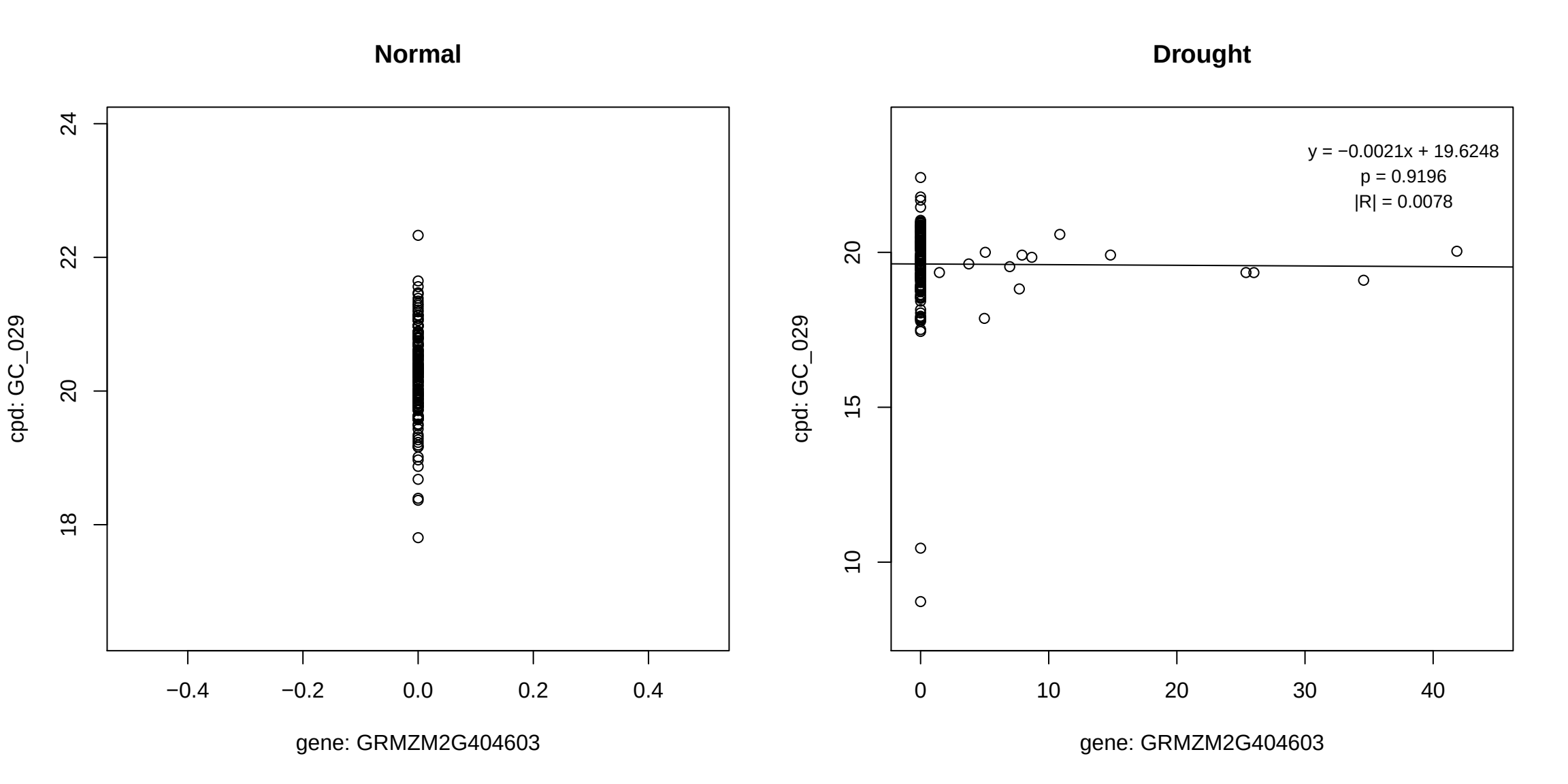

Drought
y = −0.0467x + 19.7208
p = 0.4652
|R| = 0.0567
cpd: GC_029
gene: GRMZM2G171395
10
15
20
0
2
4
6
8
10

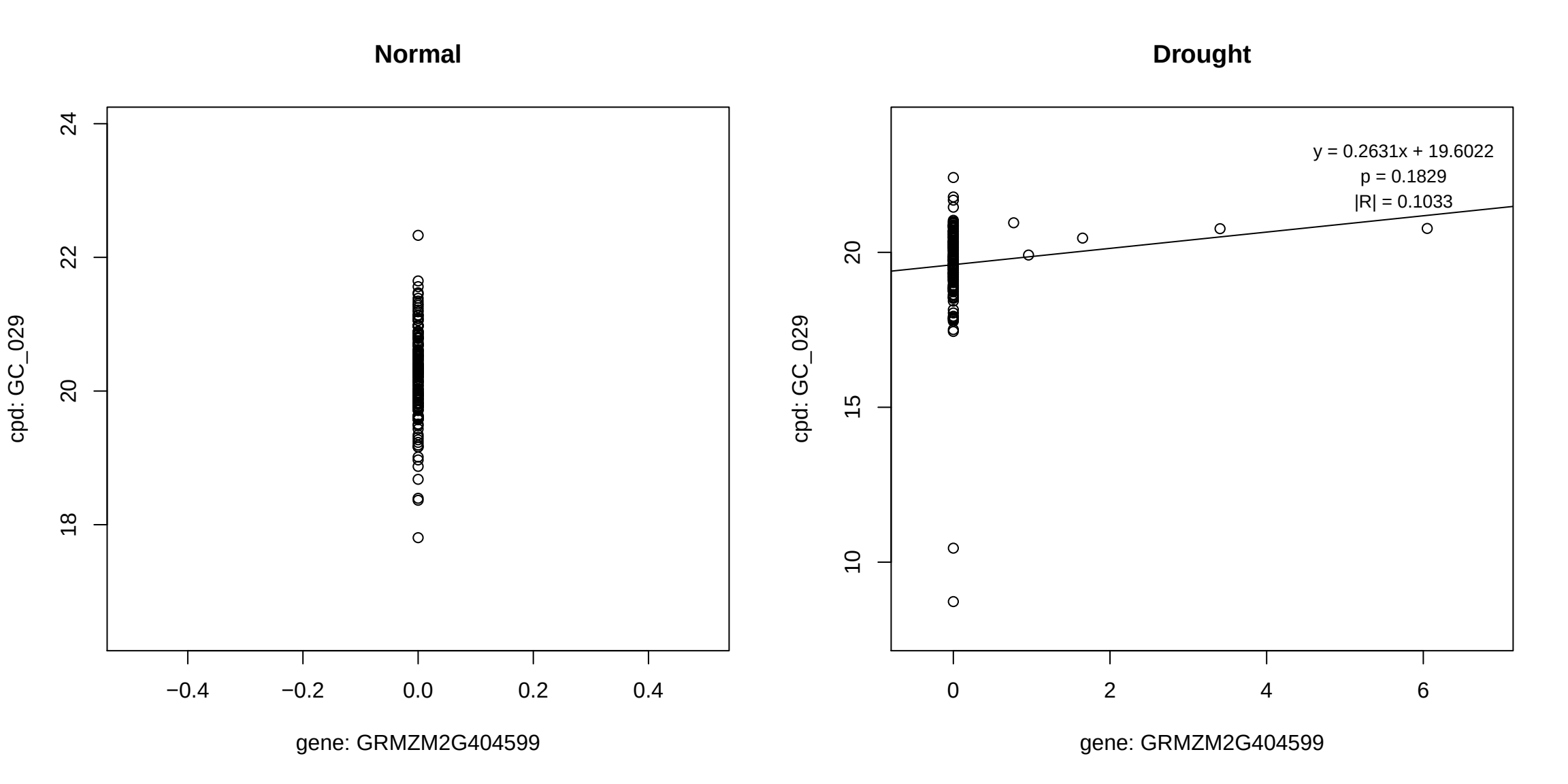

Normal
y = −0.0201x + 20.2593
p = 0.7827
|R| = 0.0213
cpd: GC_029
gene: GRMZM2G171376
18
20
22
24
0
1
2
3
4
5

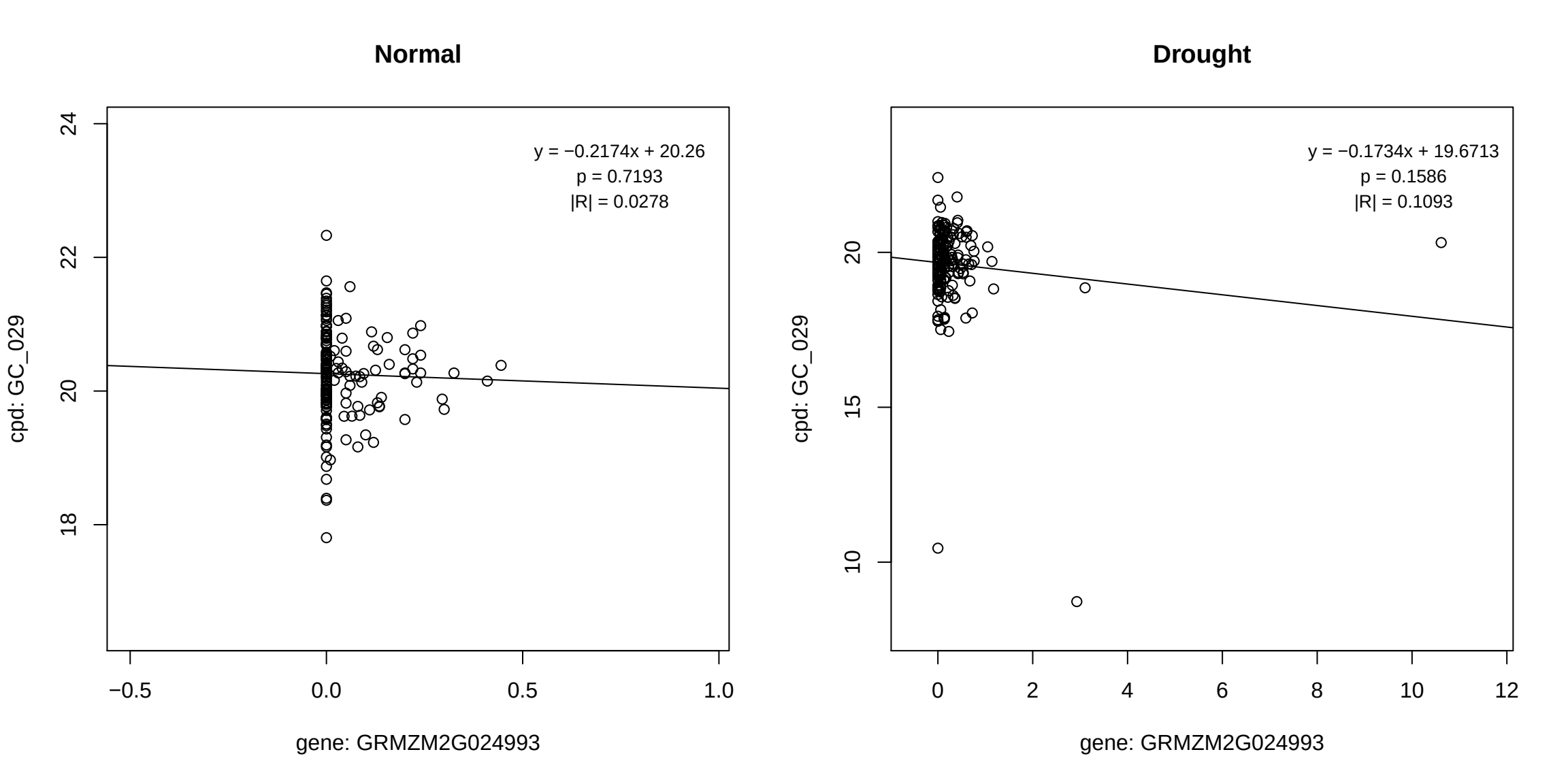

Drought
y = 0.2714x + 19.5089
p = 0.2275
|R| = 0.0936
cpd: GC_029
gene: GRMZM2G171376
10
15
20
0
1
2
3
4

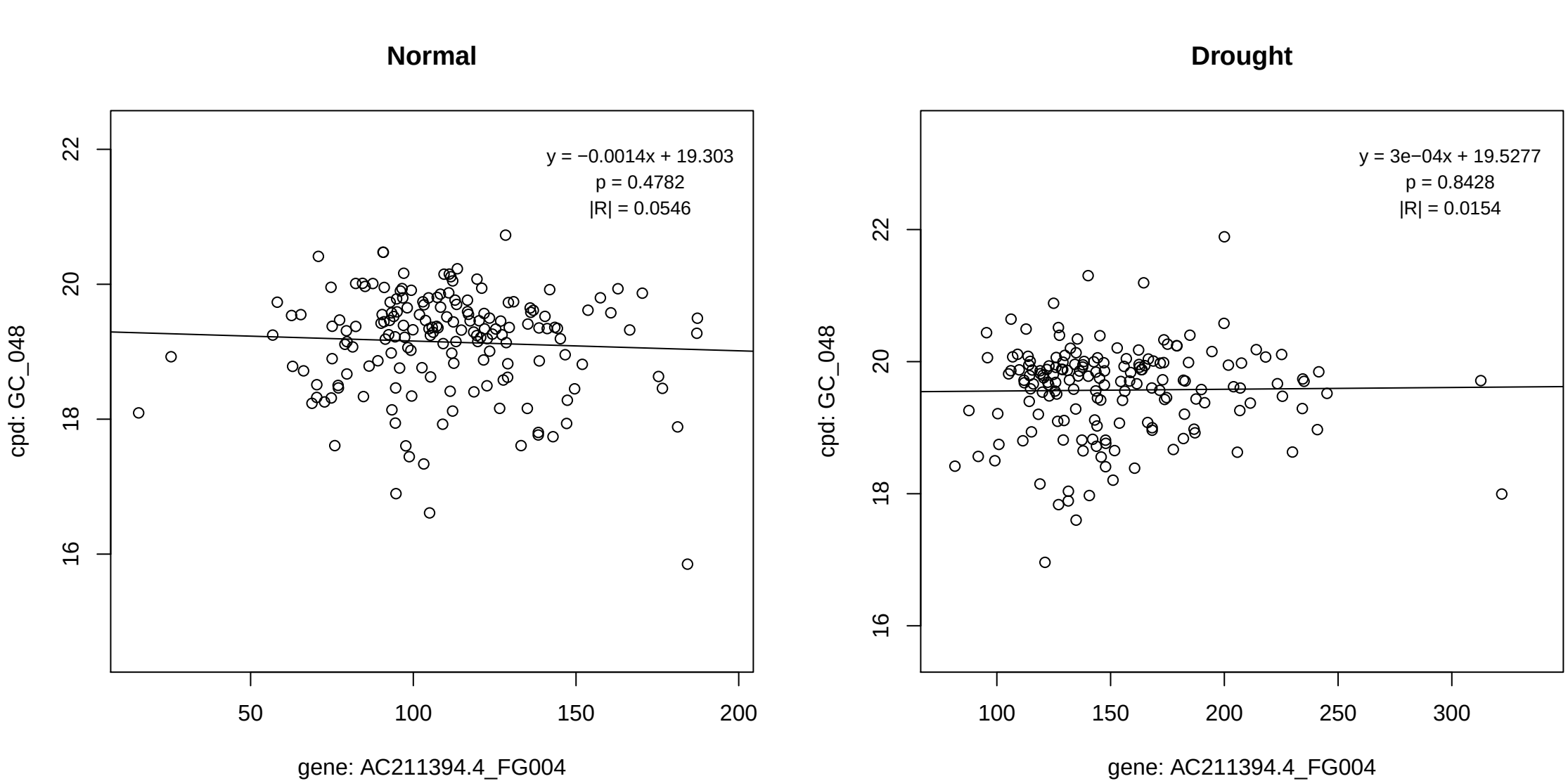

Normal
y = −0.0258x + 20.2784
p = 0.4812
|R| = 0.0544
cpd: GC_029
gene: GRMZM2G110158
18
20
22
24
0
2
4
6

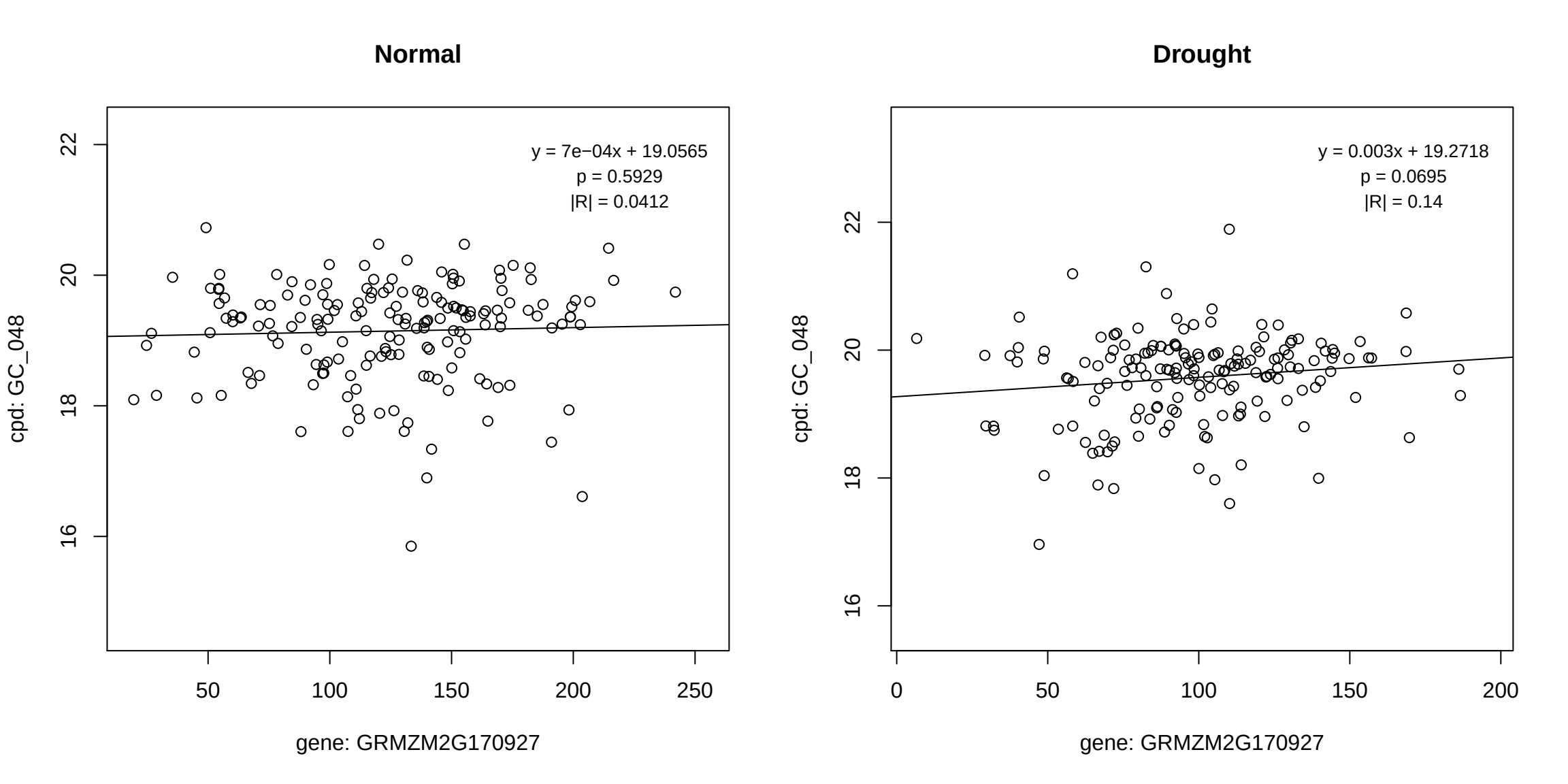

Drought
y = 0.0339x + 19.5927
p = 0.7278
|R| = 0.027
cpd: GC_029
gene: GRMZM2G110158
10
15
20
0
1
2
3
4
5
6

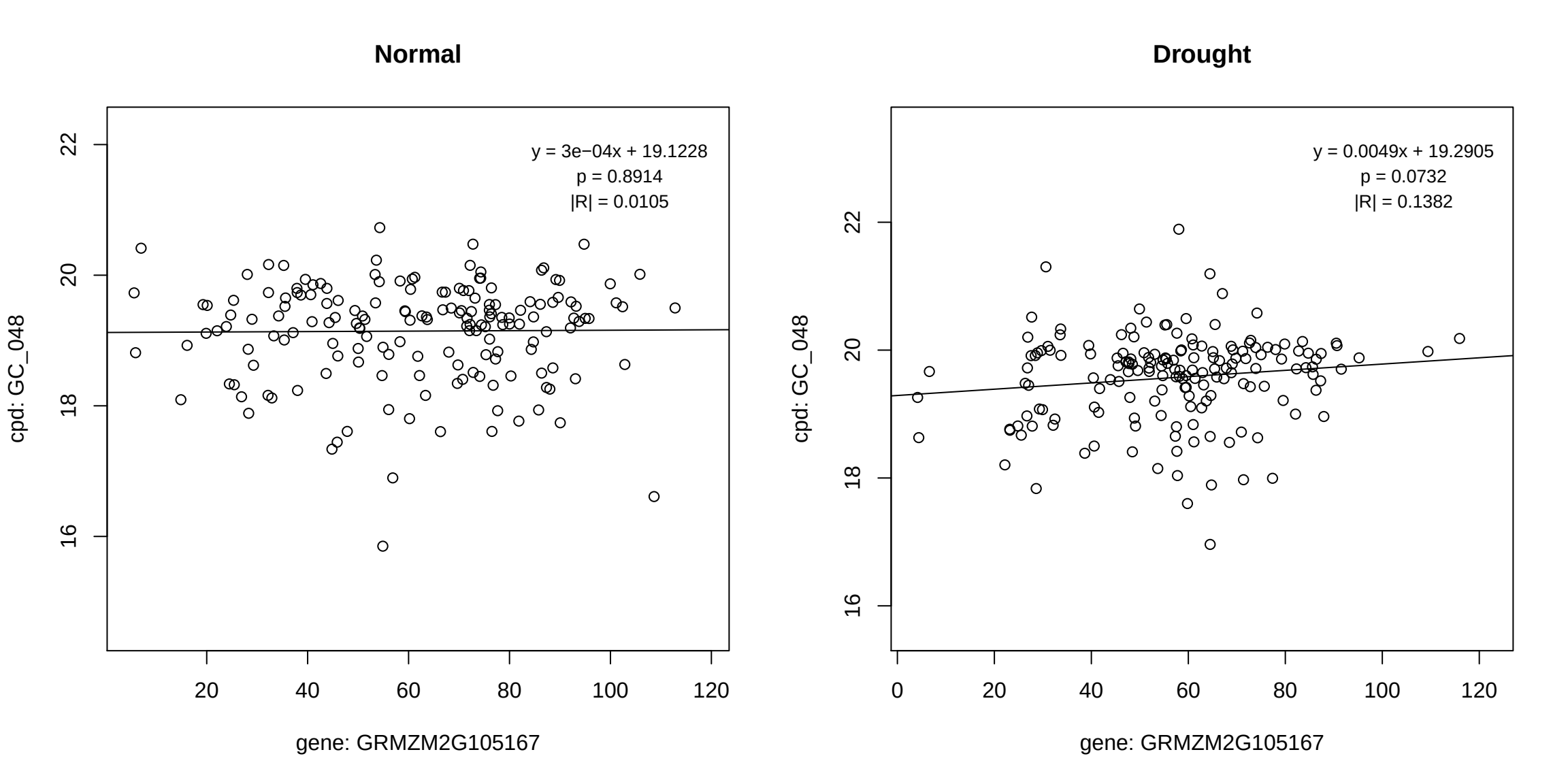

Normal
cpd: GC_029
gene: GRMZM2G404603
Drought
y = −0.0021x + 19.6248
p = 0.9196
|R| = 0.0078
cpd: GC_029
gene: GRMZM2G404603

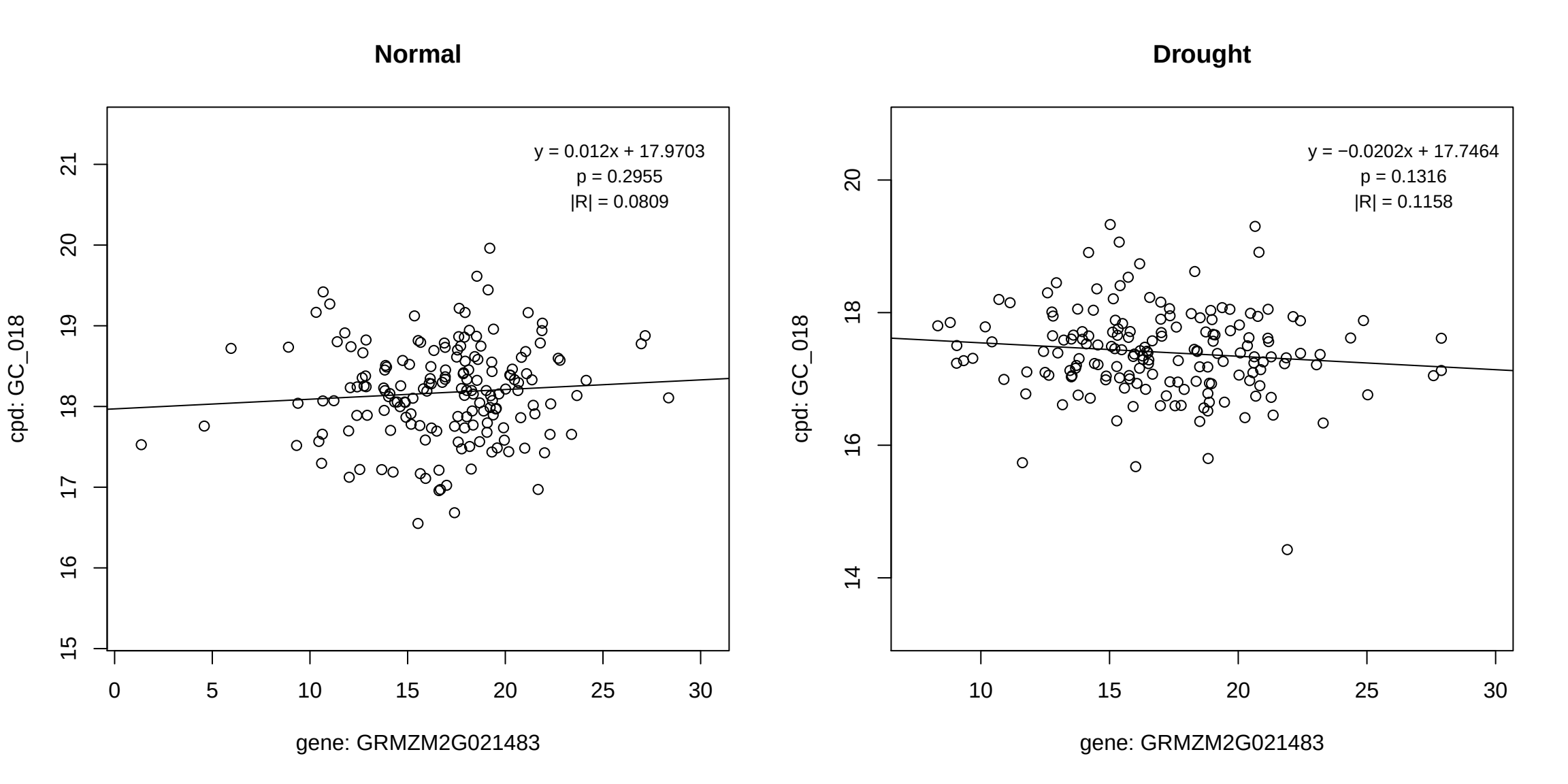

Normal
Drought
cpd: GC_029
gene: GRMZM2G404599
y = 0.2631x + 19.6022
p = 0.1829
|R| = 0.1033

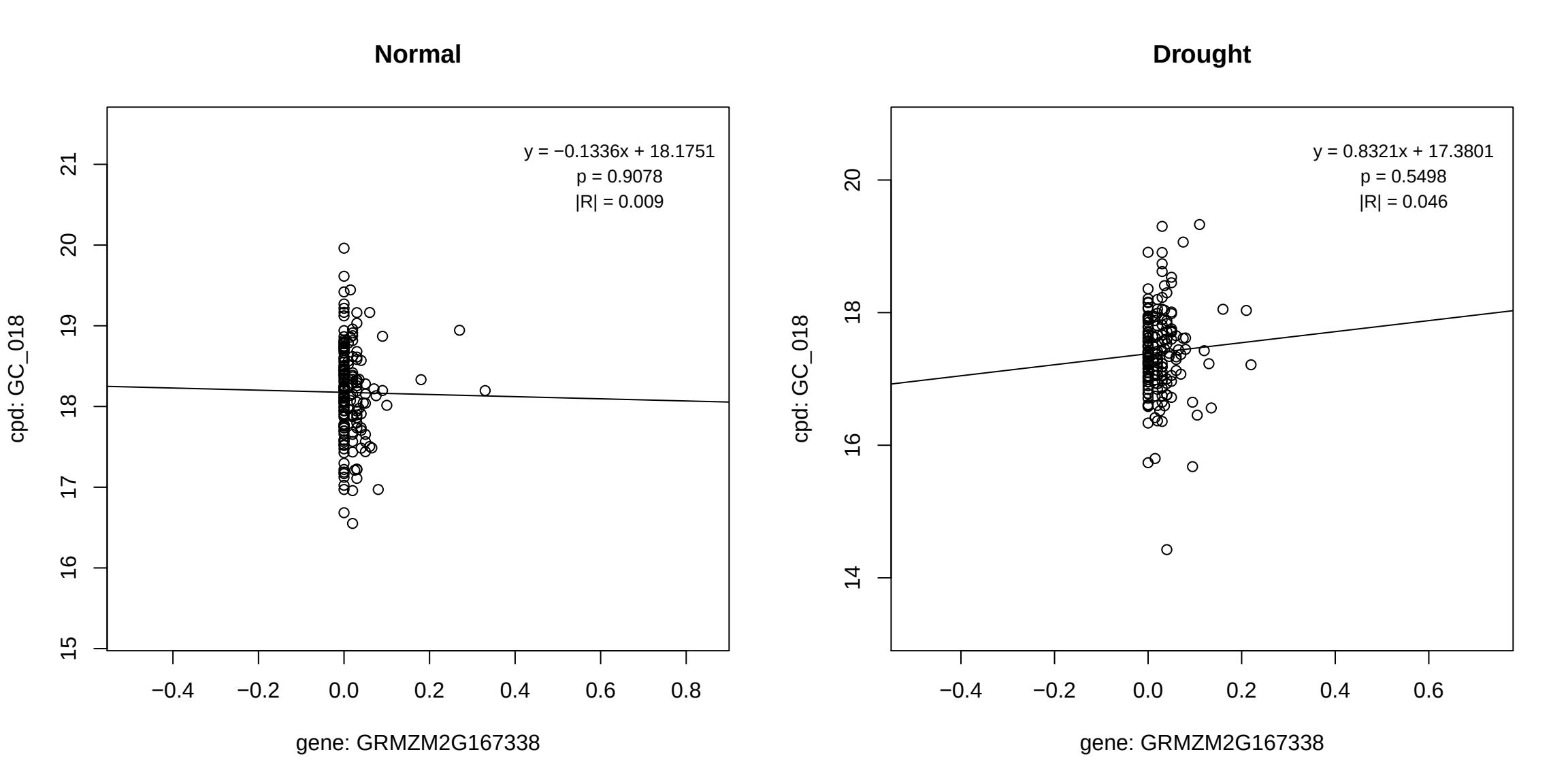

Normal
y = −0.2174x + 20.26
p = 0.7193
|R| = 0.0278
cpd: GC_029
gene: GRMZM2G024993
Drought
y = −0.1734x + 19.6713
p = 0.1586
|R| = 0.1093
cpd: GC_029
gene: GRMZM2G024993

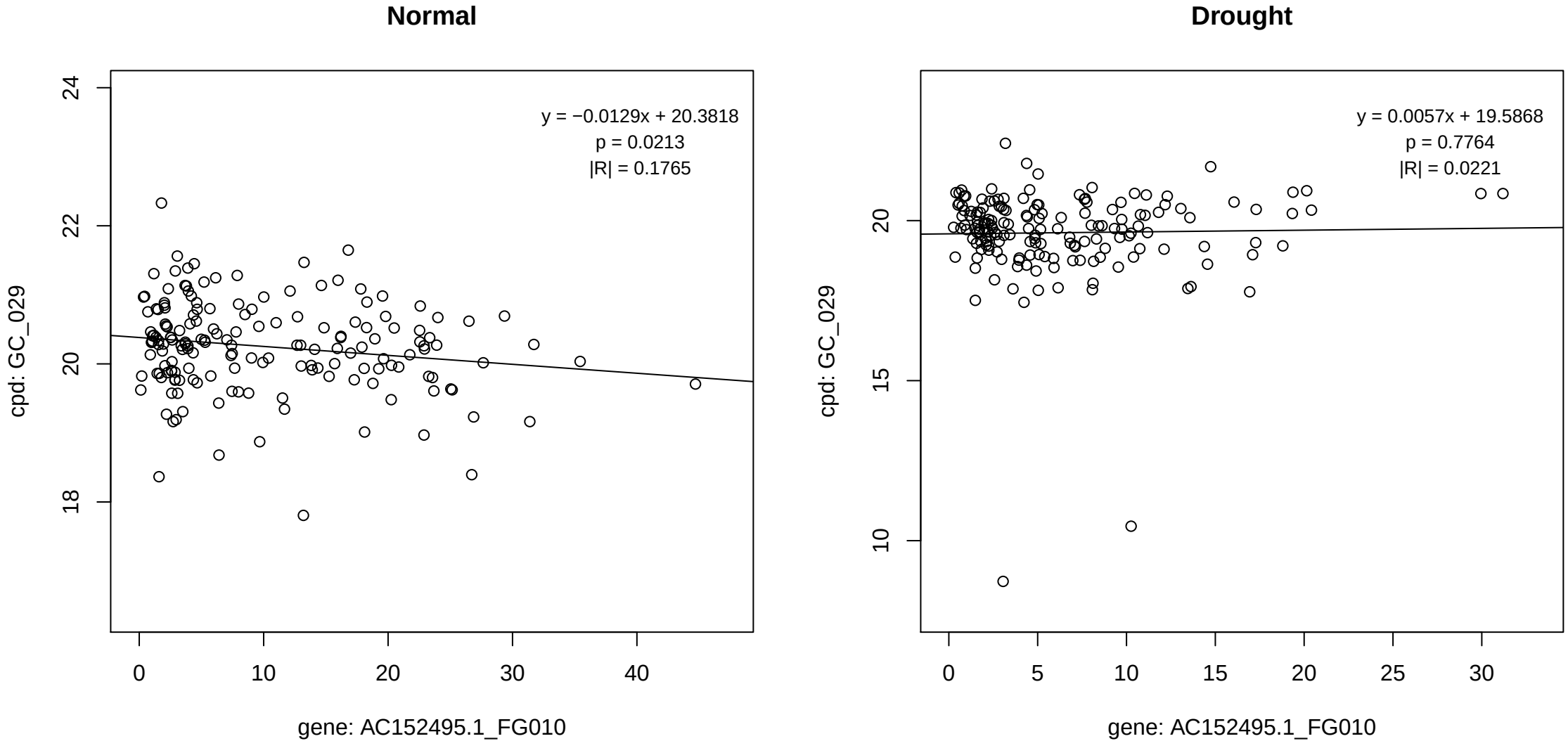

Normal
y = −0.0014x + 19.303
p = 0.4782
|R| = 0.0546
cpd: GC_048
gene: AC211394.4_FG004
16
18
20
22
50
100
150
200
Drought
y = 3e−04x + 19.5277
p = 0.8428
|R| = 0.0154
cpd: GC_048
gene: AC211394.4_FG004
16
18
20
22
100
150
200
250
300

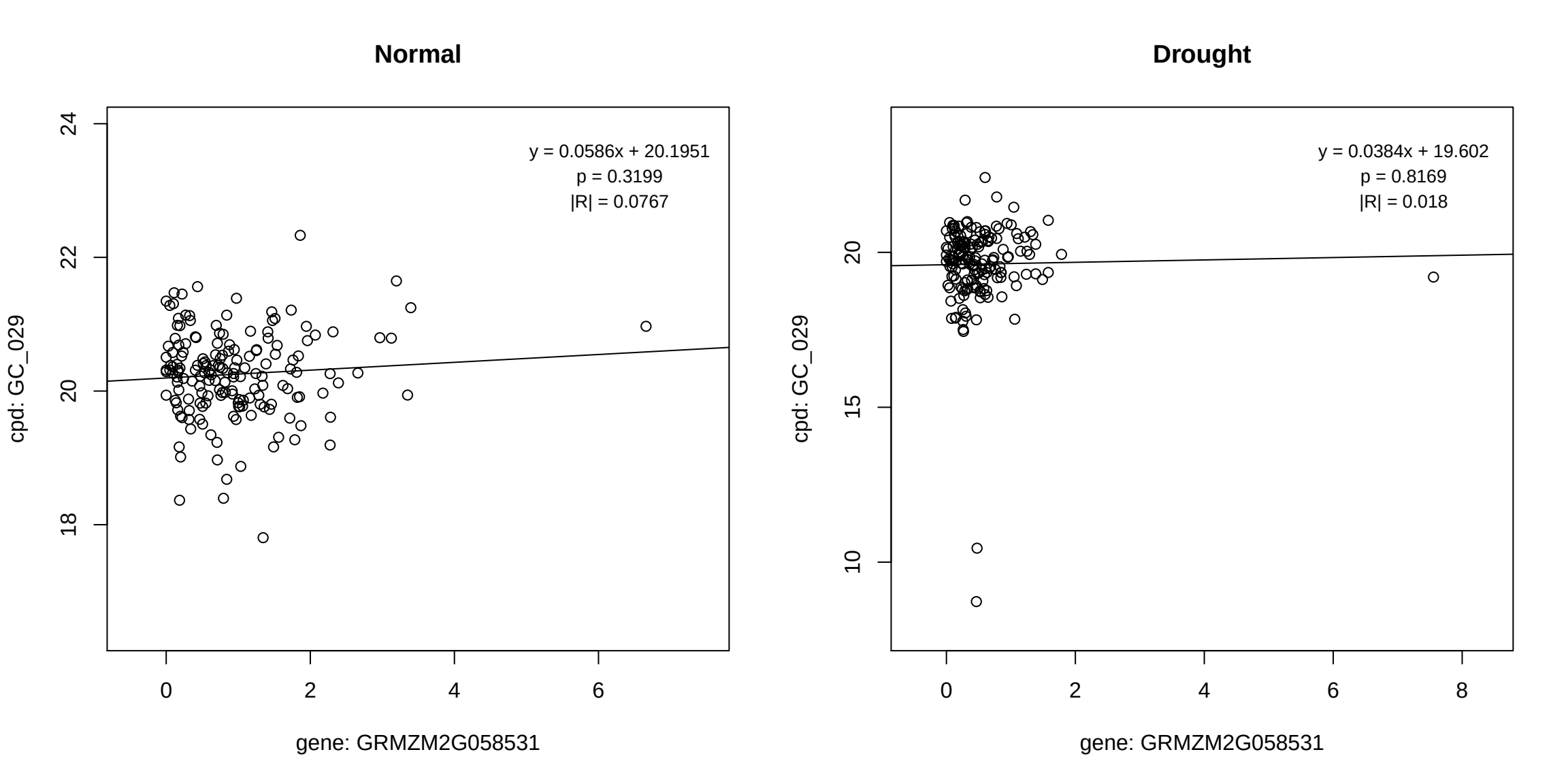

Normal
y = 7e−04x + 19.0565
p = 0.5929
|R| = 0.0412
cpd: GC_048
gene: GRMZM2G170927
16
18
20
22
50
100
150
200
250
Drought
y = 0.003x + 19.2718
p = 0.0695
|R| = 0.14
cpd: GC_048
gene: GRMZM2G170927
16
18
20
22
0
50
100
150
200

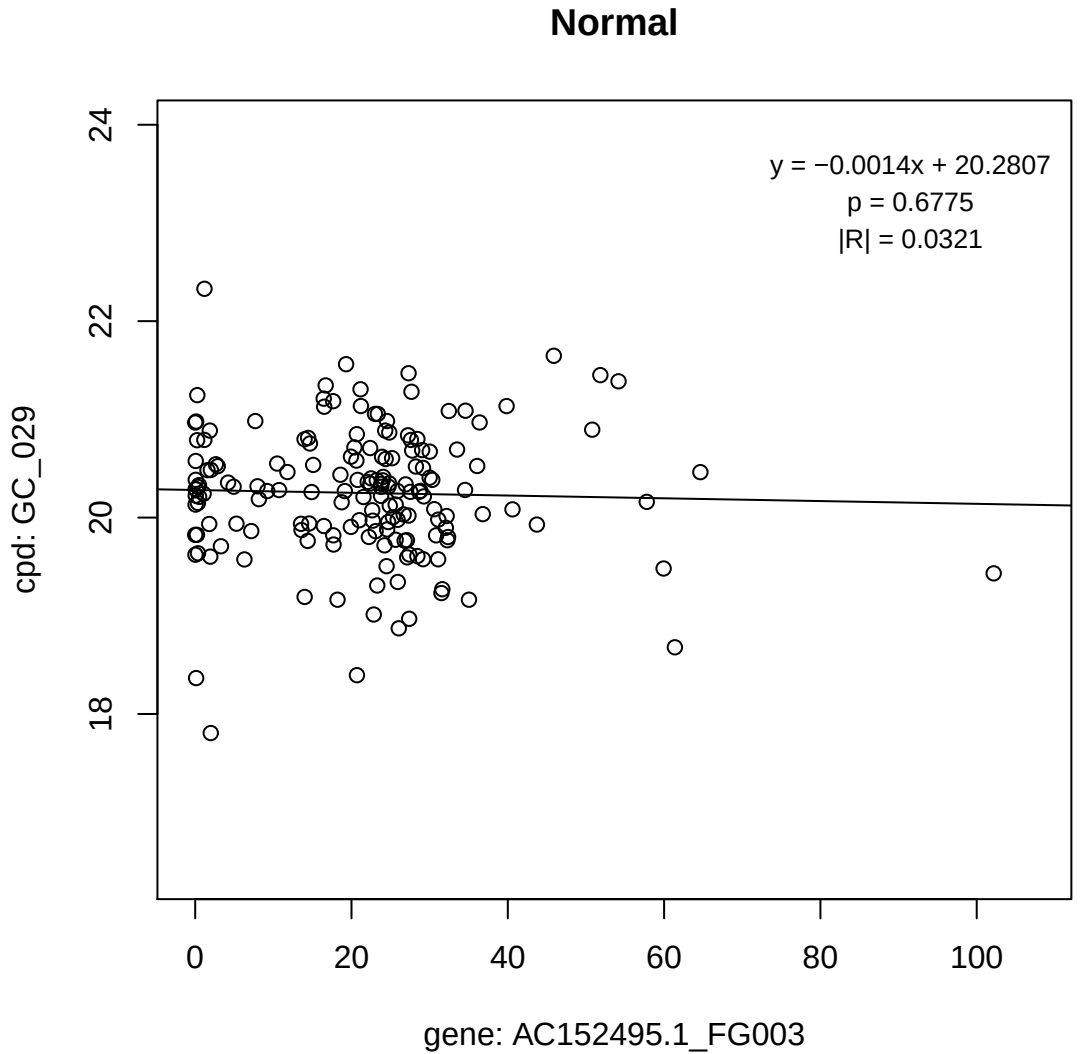

Normal
y = 3e−04x + 19.1228
p = 0.8914
|R| = 0.0105
cpd: GC_048
gene: GRMZM2G105167
Drought
y = 0.0049x + 19.2905
p = 0.0732
|R| = 0.1382
cpd: GC_048
gene: GRMZM2G105167

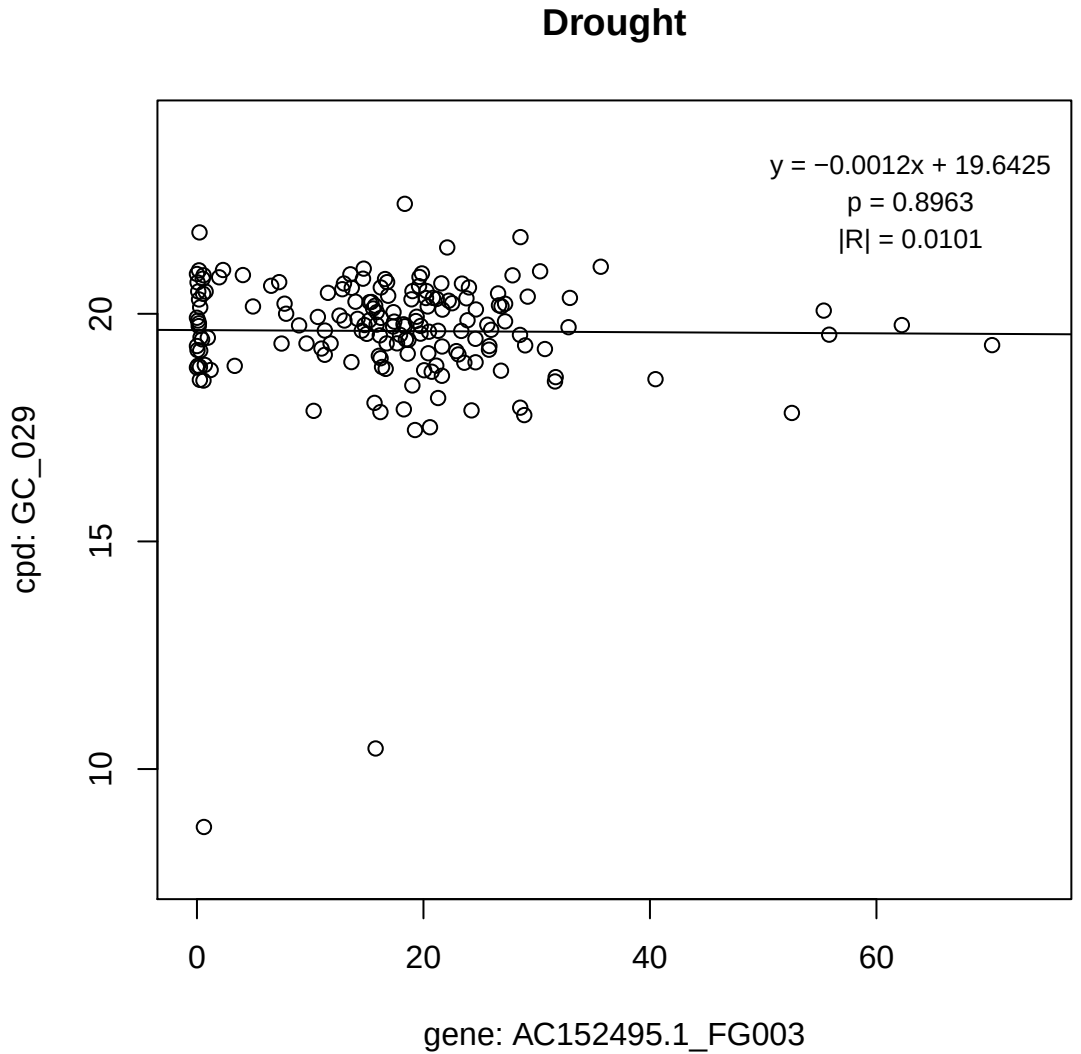

Normal
y = 0.012x + 17.9703
p = 0.2955
|R| = 0.0809
cpd: GC_018
gene: GRMZM2G021483
Drought
y = −0.0202x + 17.7464
p = 0.1316
|R| = 0.1158
cpd: GC_018
gene: GRMZM2G021483

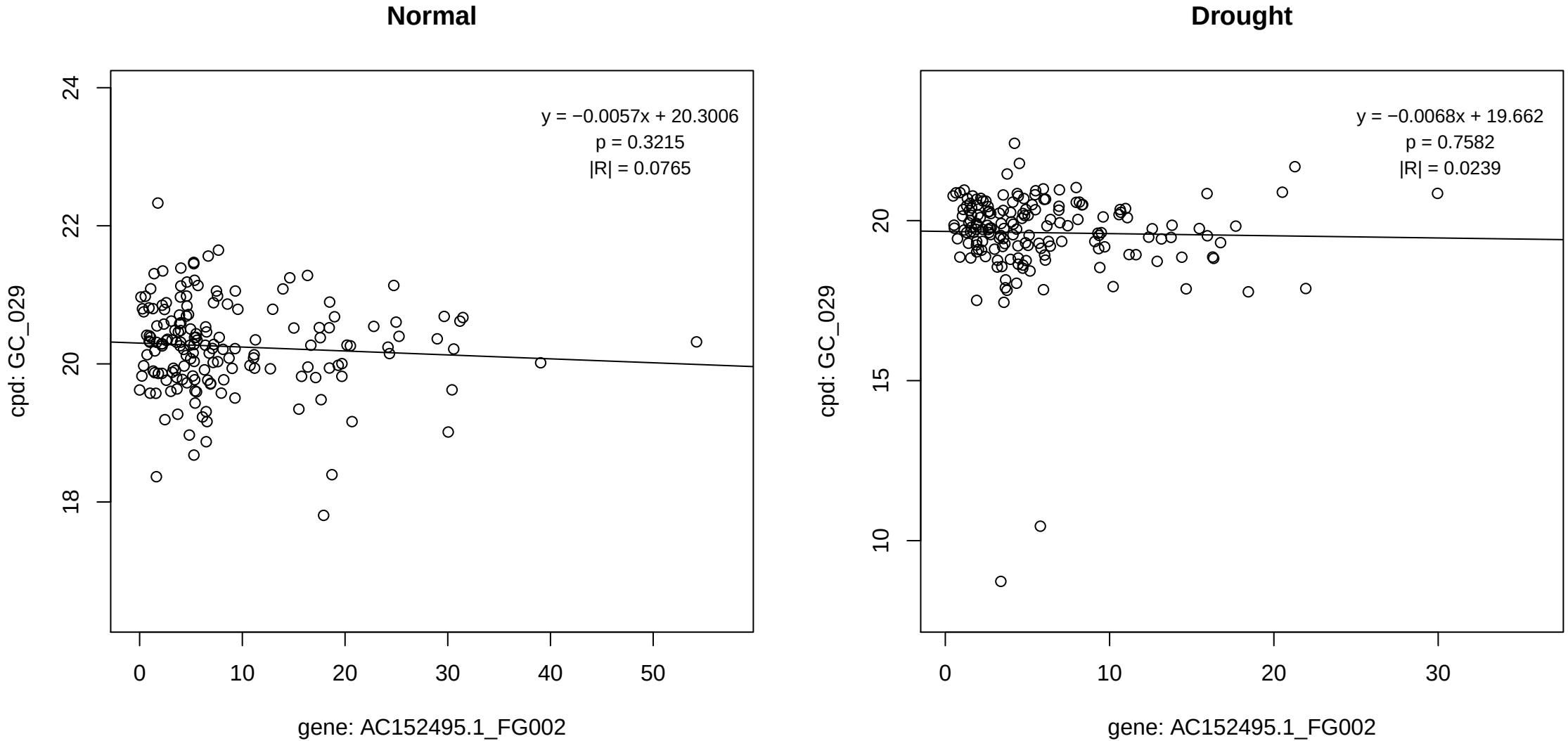

Normal
y = −0.1336x + 18.1751
p = 0.9078
|R| = 0.009
cpd: GC_018
gene: GRMZM2G167338
Drought
y = 0.8321x + 17.3801
p = 0.5498
|R| = 0.046
cpd: GC_018
gene: GRMZM2G167338

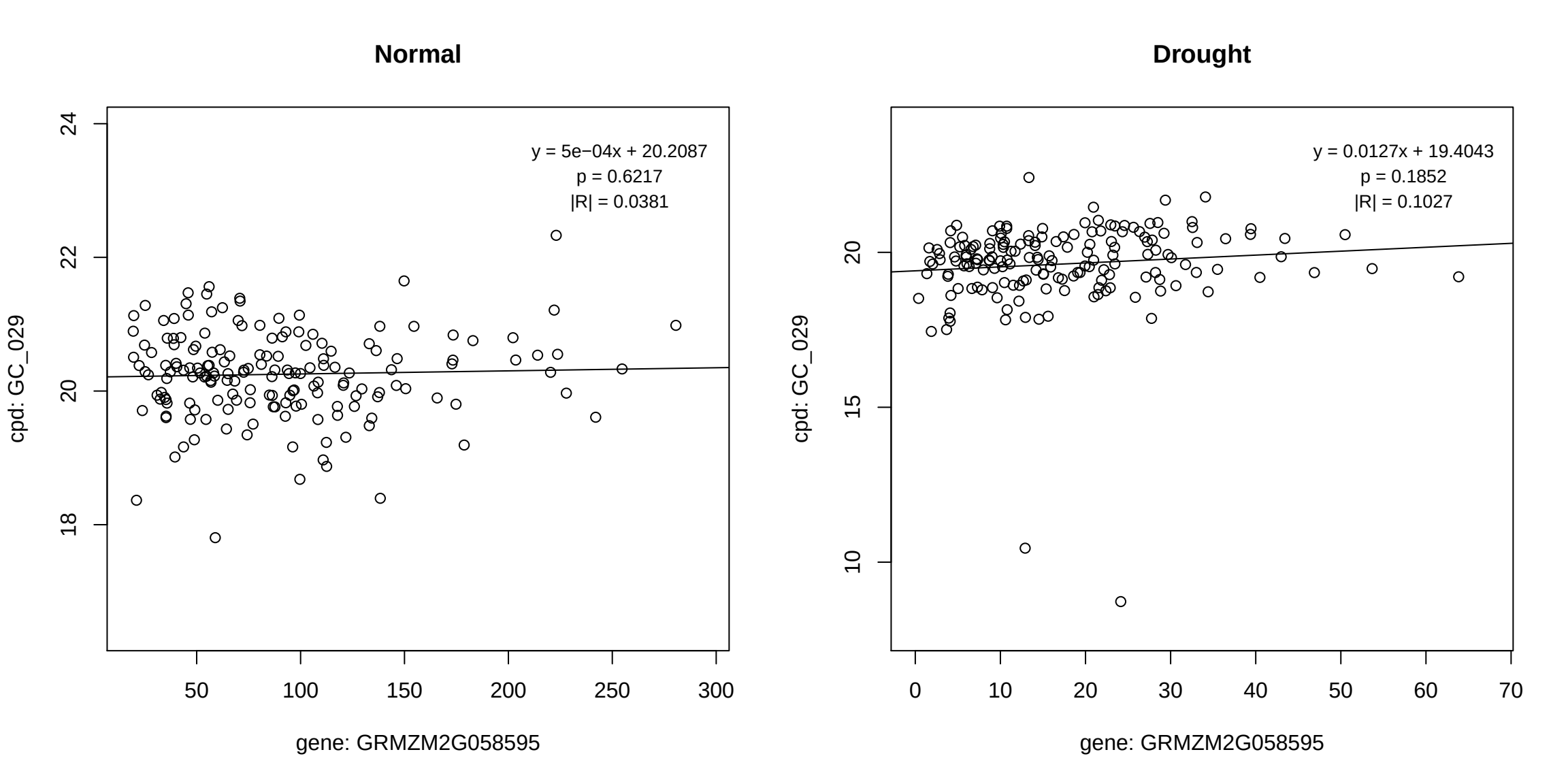

Normal
y = −0.0129x + 20.3818
p = 0.0213
|R| = 0.1765
cpd: GC_029
gene: AC152495.1_FG010
Drought
y = 0.0057x + 19.5868
p = 0.7764
|R| = 0.0221
cpd: GC_029
gene: AC152495.1_FG010

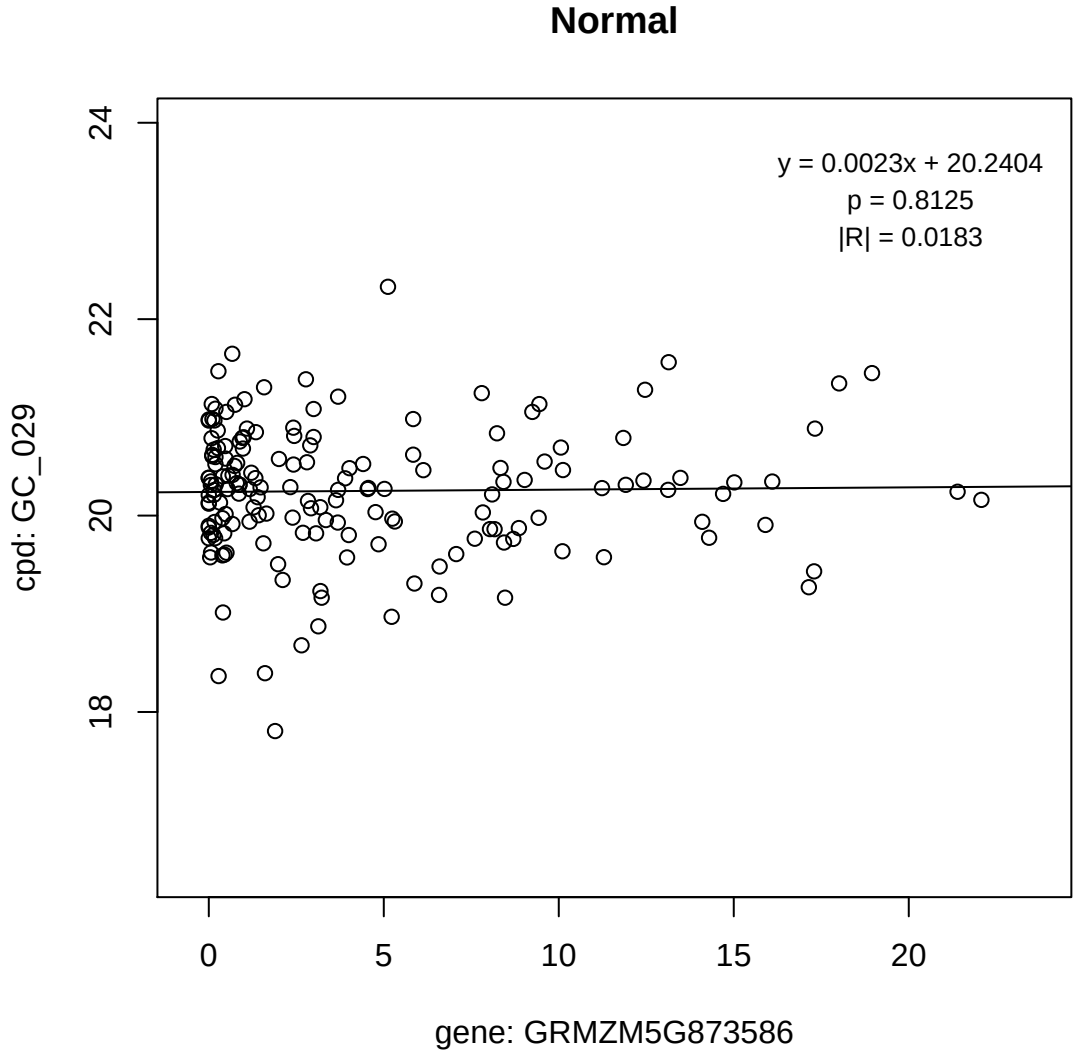

Normal
y = 0.0586x + 20.1951
p = 0.3199
|R| = 0.0767
cpd: GC_029
gene: GRMZM2G058531
Drought
y = 0.0384x + 19.602
p = 0.8169
|R| = 0.018
cpd: GC_029
gene: GRMZM2G058531

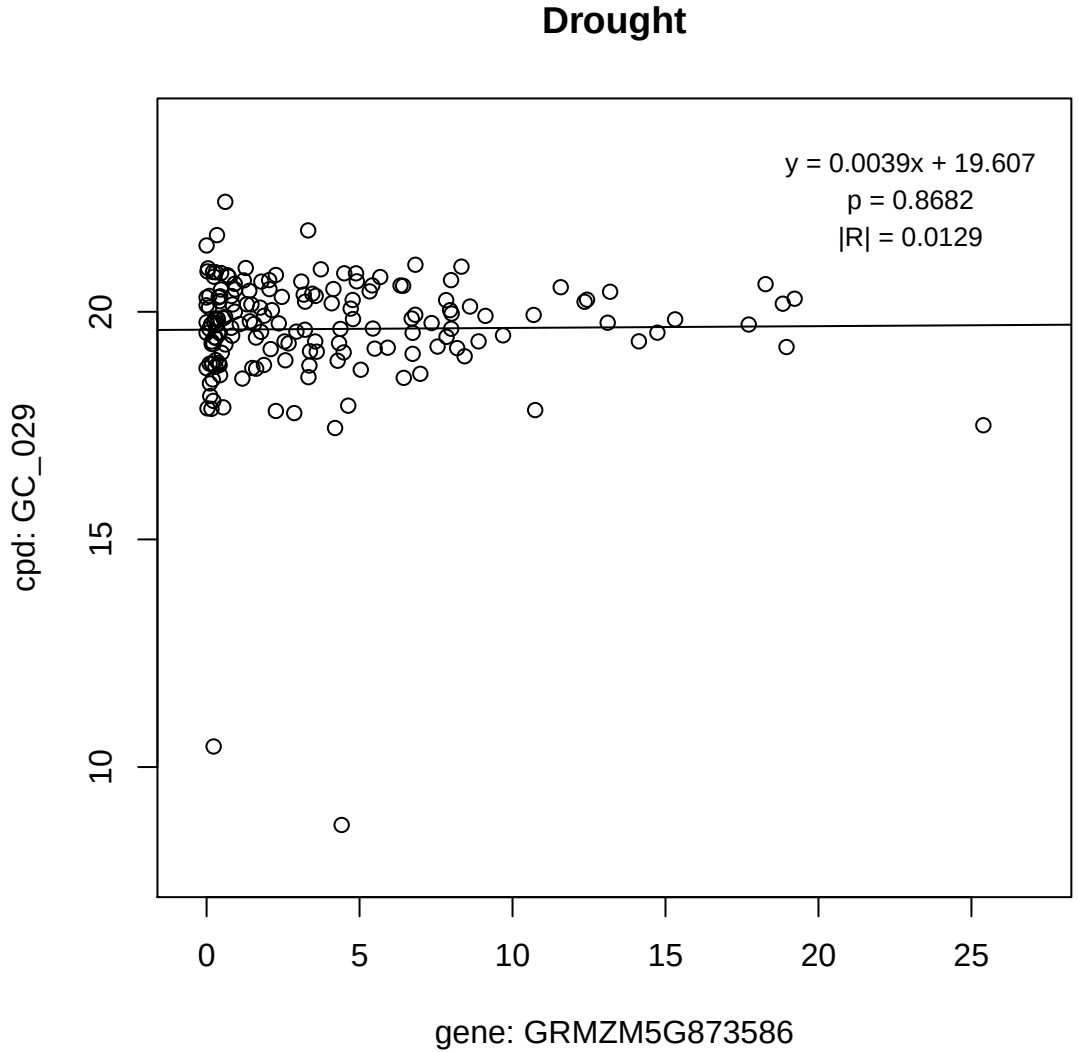

Normal
y = −0.0014x + 20.2807
p = 0.6775
|R| = 0.0321
cpd: GC_029
gene: AC152495.1_FG003
18
20
22
24
0
20
40
60
80
100

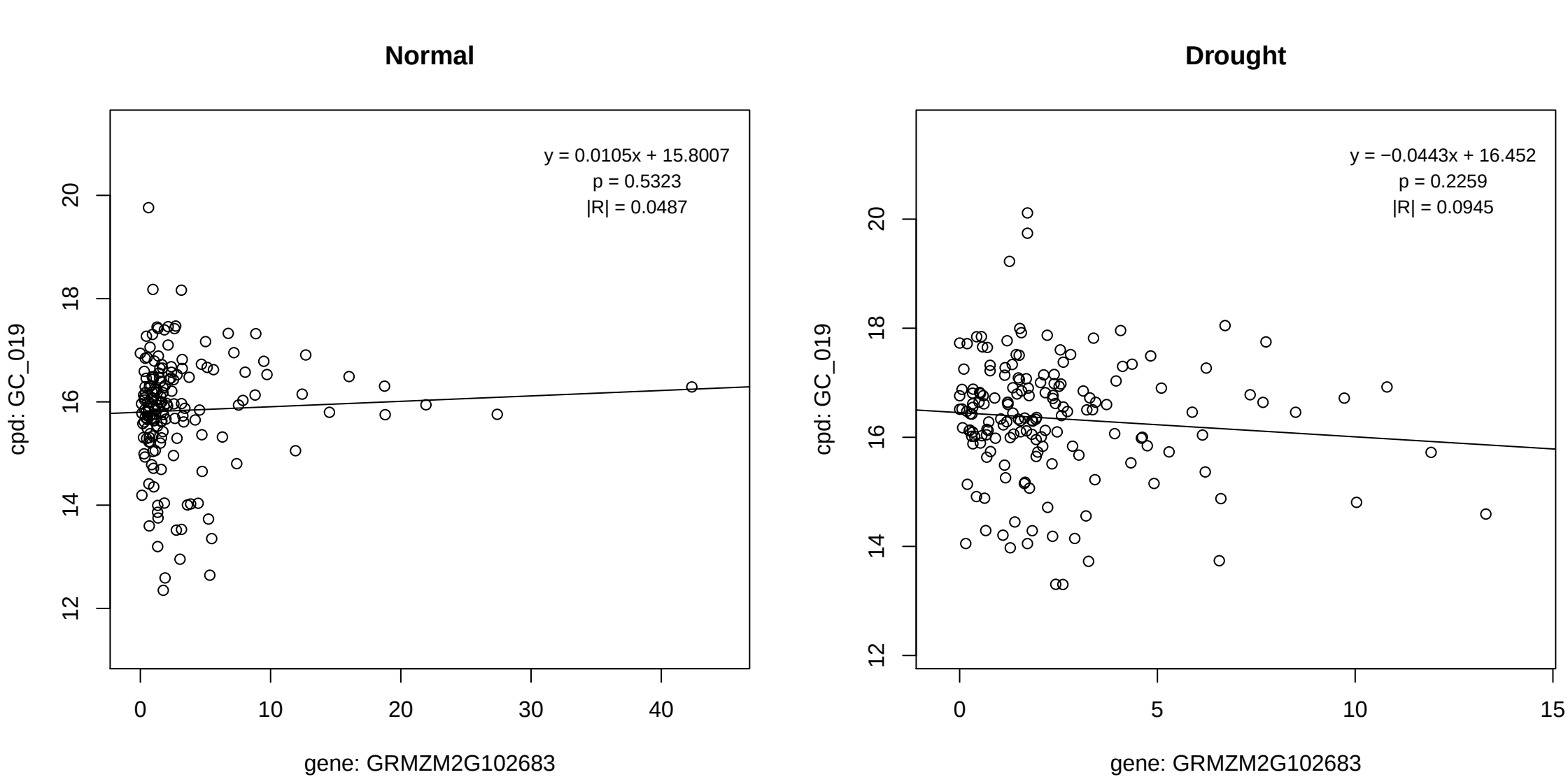

Drought
y = −0.0012x + 19.6425
p = 0.8963
|R| = 0.0101
cpd: GC_029
gene: AC152495.1_FG003
10
15
20
0
20
40
60

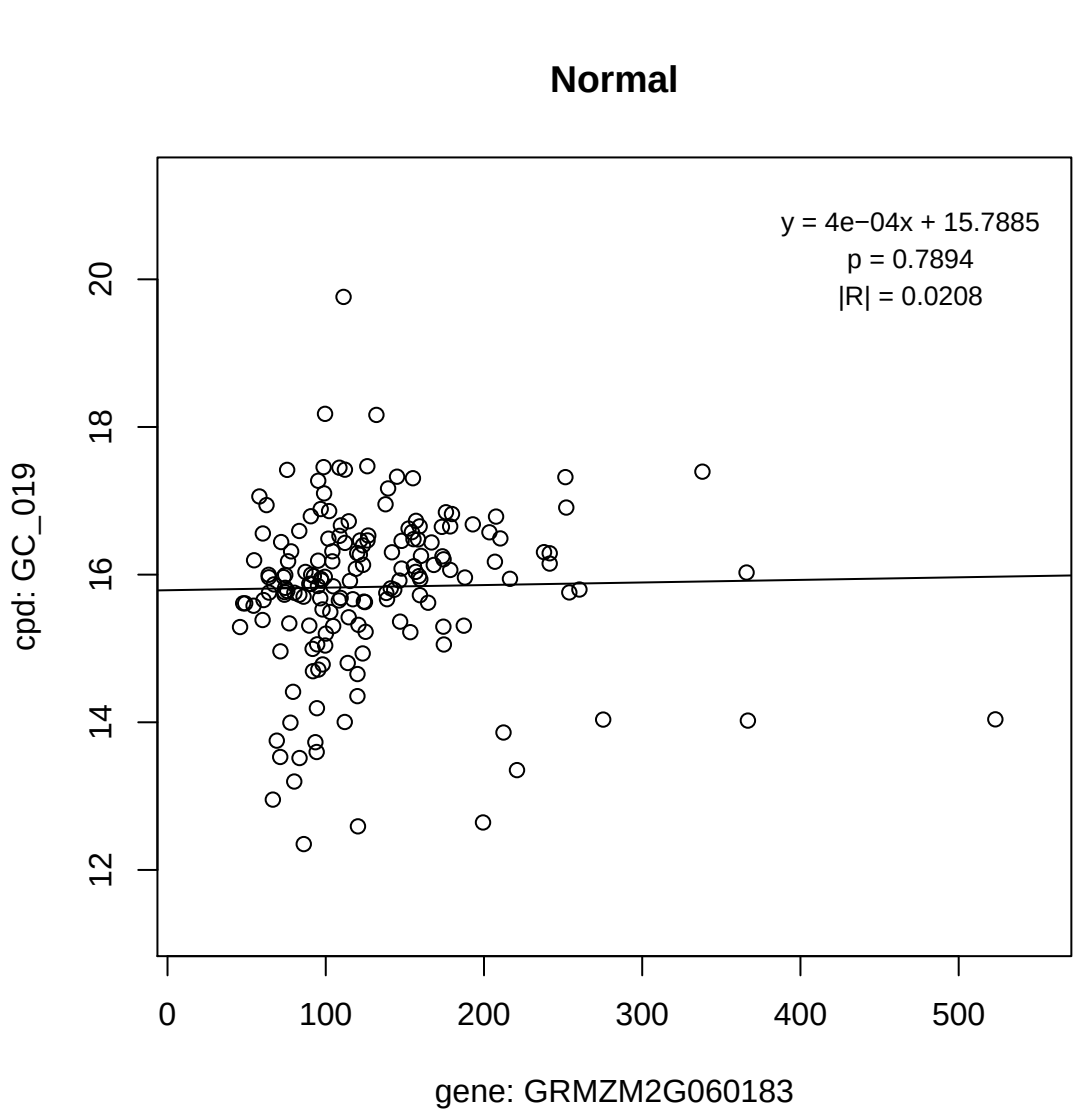

Normal
y = −0.0057x + 20.3006
p = 0.3215
|R| = 0.0765
cpd: GC_029
gene: AC152495.1_FG002
Drought
y = −0.0068x + 19.662
p = 0.7582
|R| = 0.0239
cpd: GC_029
gene: AC152495.1_FG002

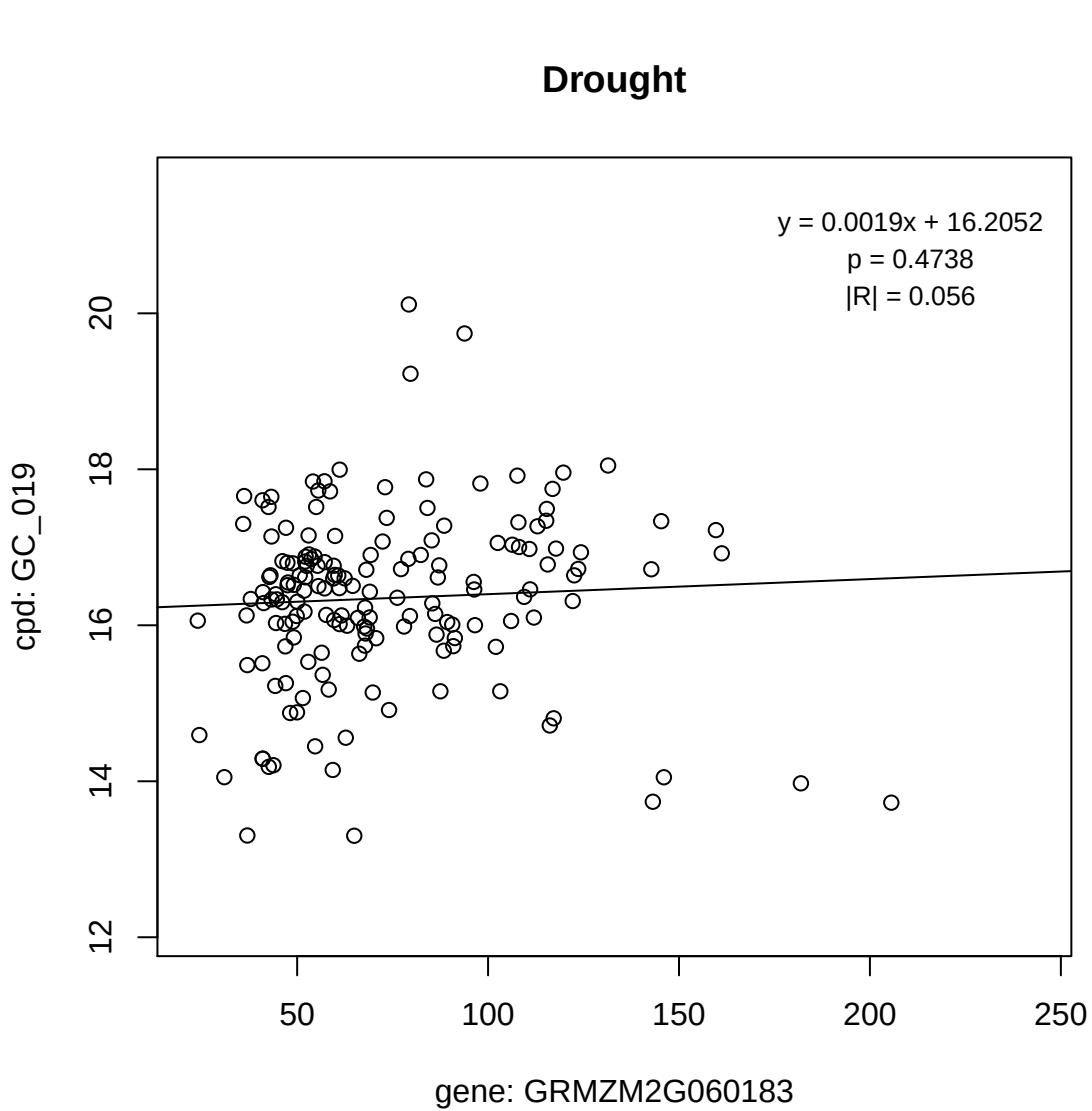

Normal
y = 5e−04x + 20.2087
p = 0.6217
|R| = 0.0381
cpd: GC_029
gene: GRMZM2G058595
Drought
y = 0.0127x + 19.4043
p = 0.1852
|R| = 0.1027
cpd: GC_029
gene: GRMZM2G058595

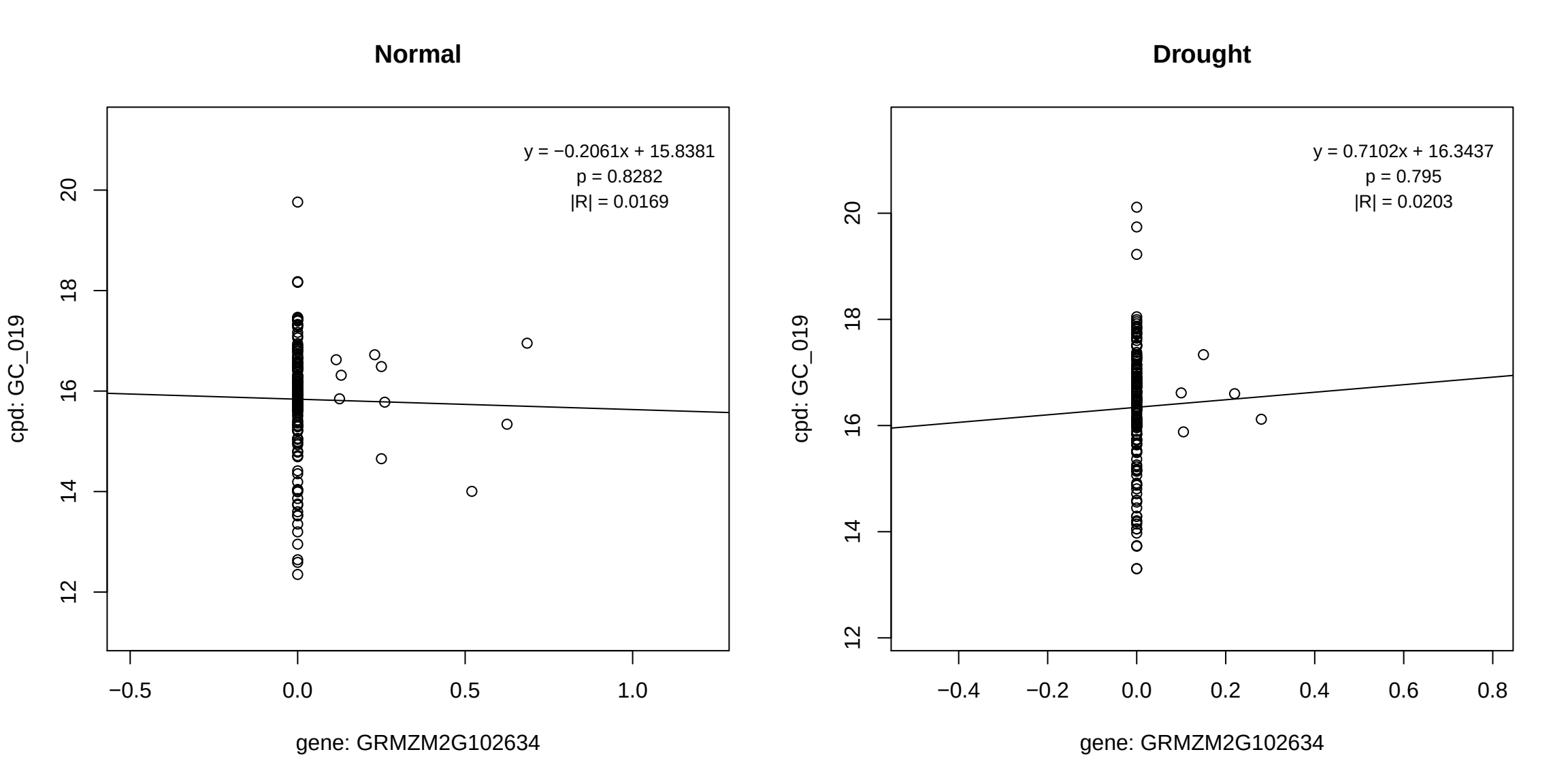

Normal
y = 0.0023x + 20.2404
p = 0.8125
|R| = 0.0183
cpd: GC_029
gene: GRMZM5G873586
18
20
22
24
0
5
10
15
20

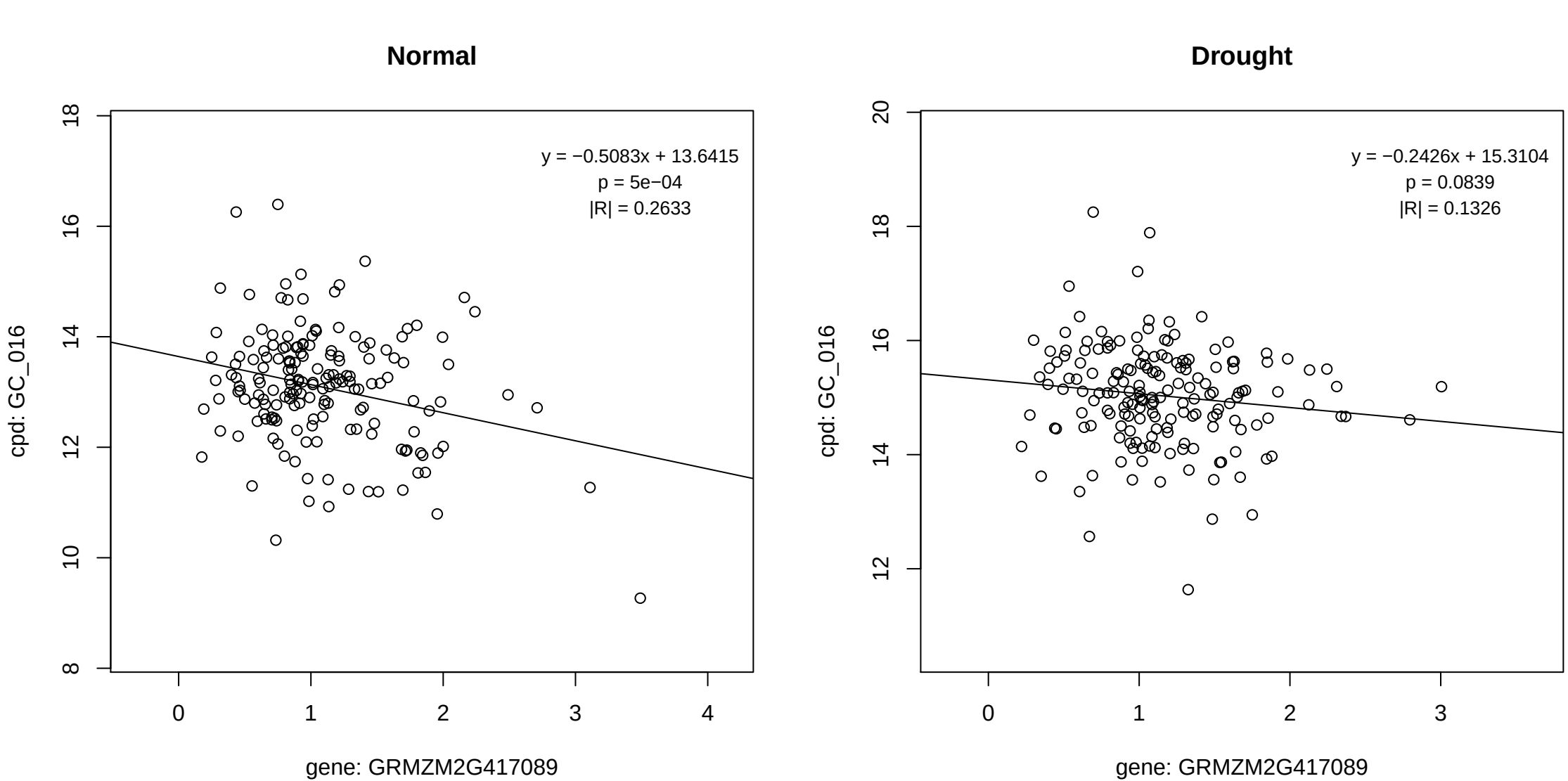

Drought
y = 0.0039x + 19.607
p = 0.8682
|R| = 0.0129
cpd: GC_029
gene: GRMZM5G873586
10
15
20
0
5
10
15
20
25

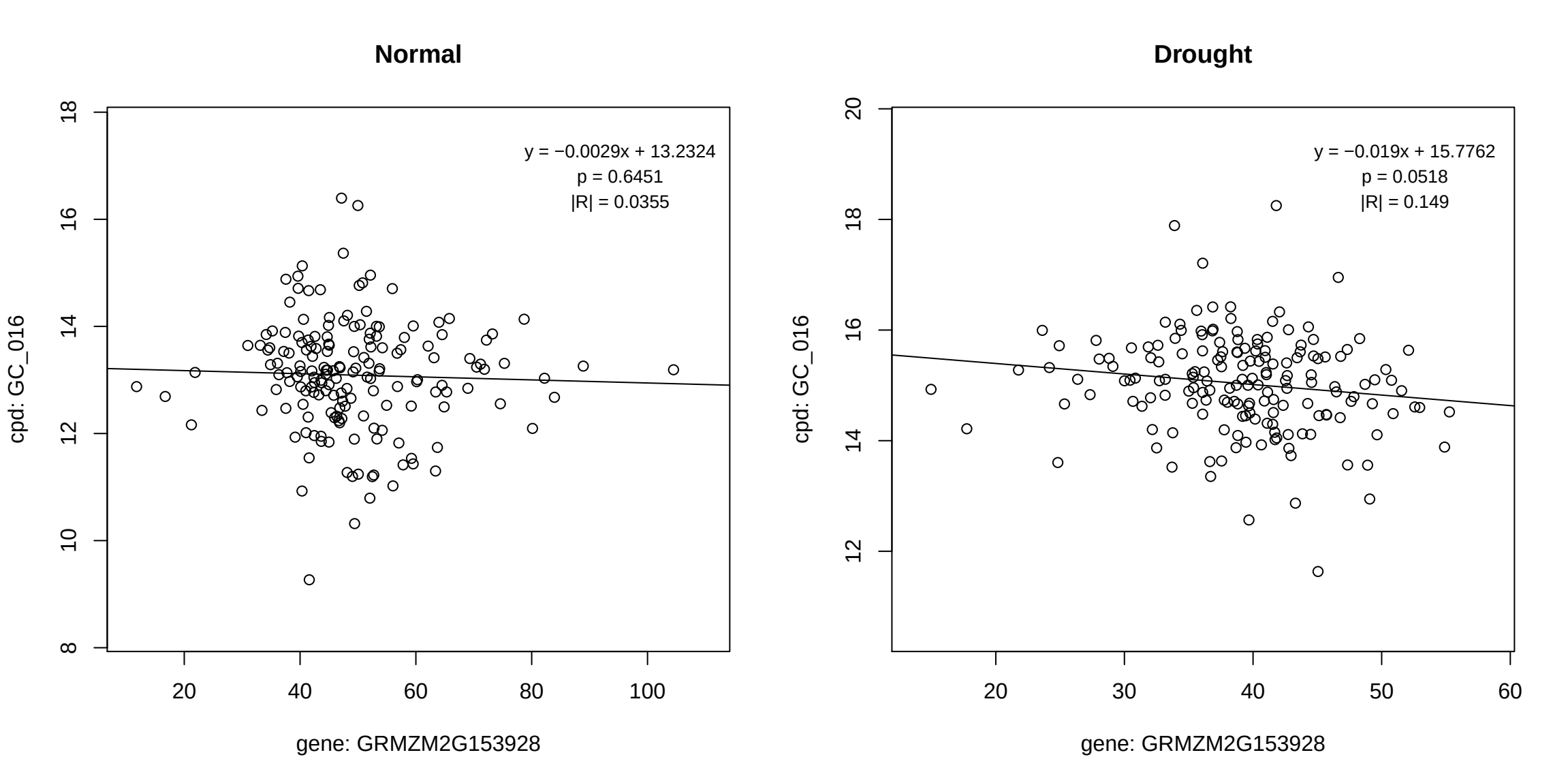

Normal
y = 0.0105x + 15.8007
p = 0.5323
|R| = 0.0487
cpd: GC_019
gene: GRMZM2G102683
Drought
y = −0.0443x + 16.452
p = 0.2259
|R| = 0.0945
cpd: GC_019
gene: GRMZM2G102683

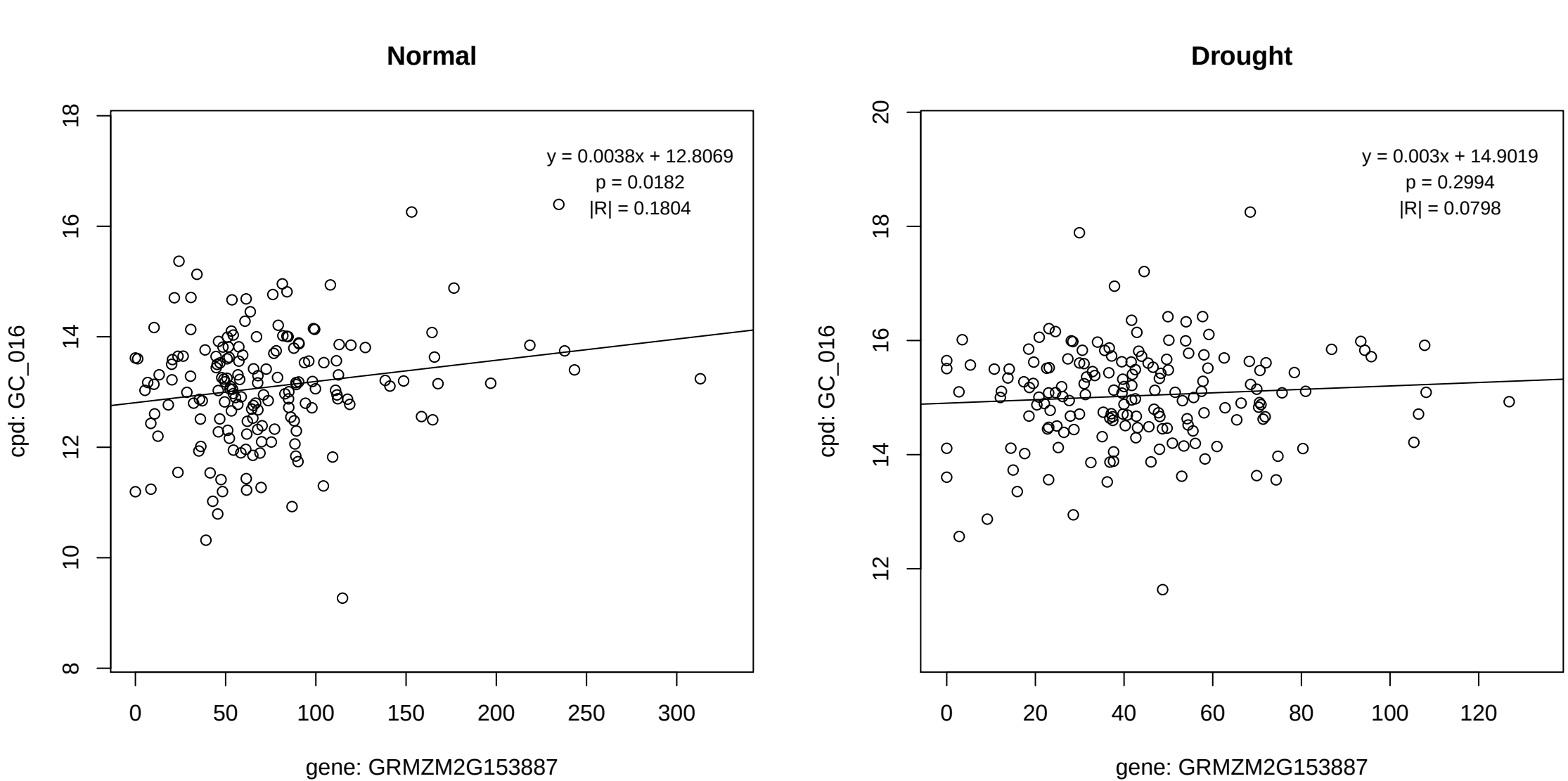

Normal
y = 4e−04x + 15.7885
p = 0.7894
|R| = 0.0208
cpd: GC_019
gene: GRMZM2G060183
12
14
16
18
20
0
100
200
300
400
500

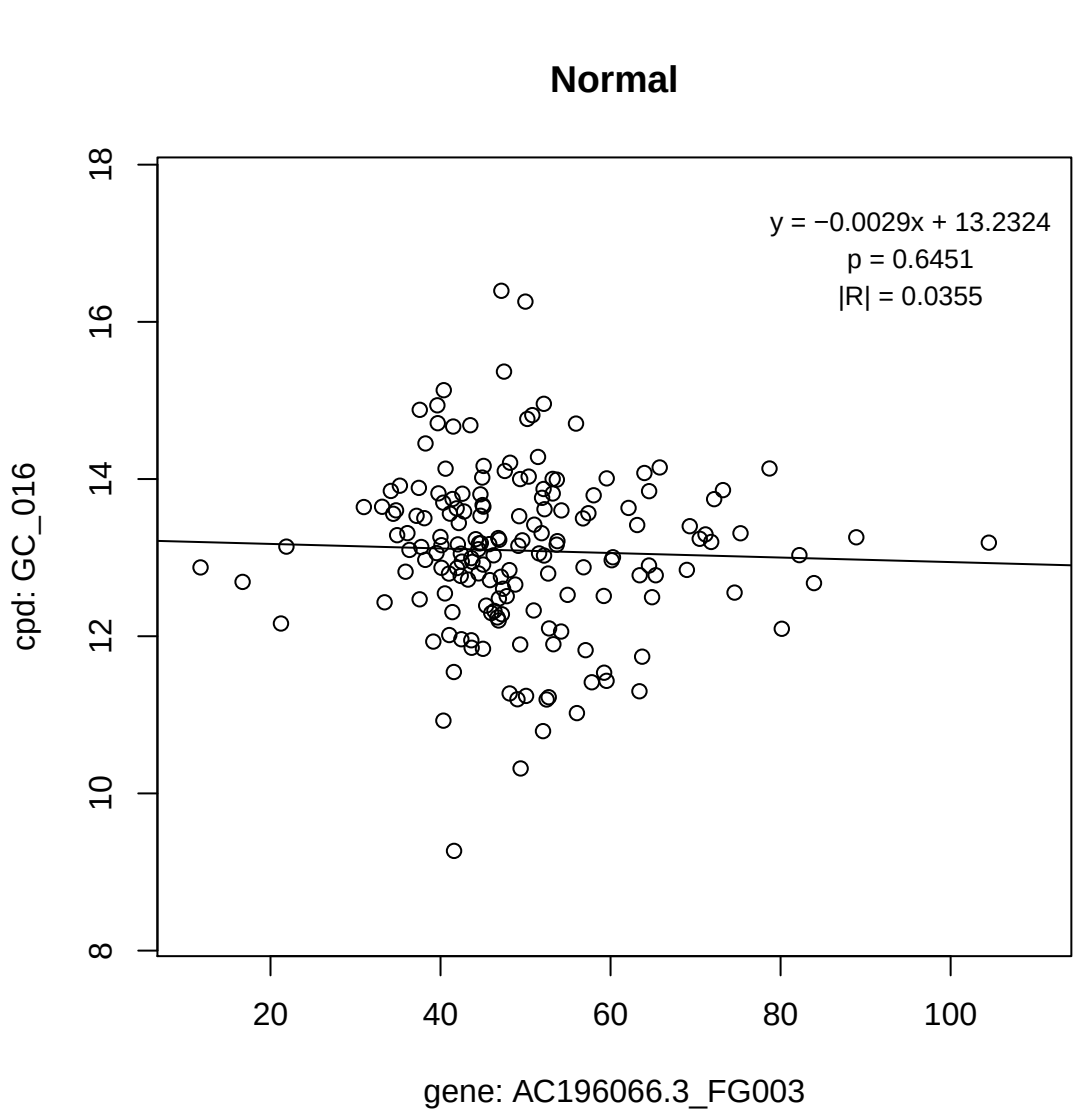

Drought
y = 0.0019x + 16.2052
p = 0.4738
|R| = 0.056
cpd: GC_019
gene: GRMZM2G060183
12
14
16
18
20
50
100
150
200
250

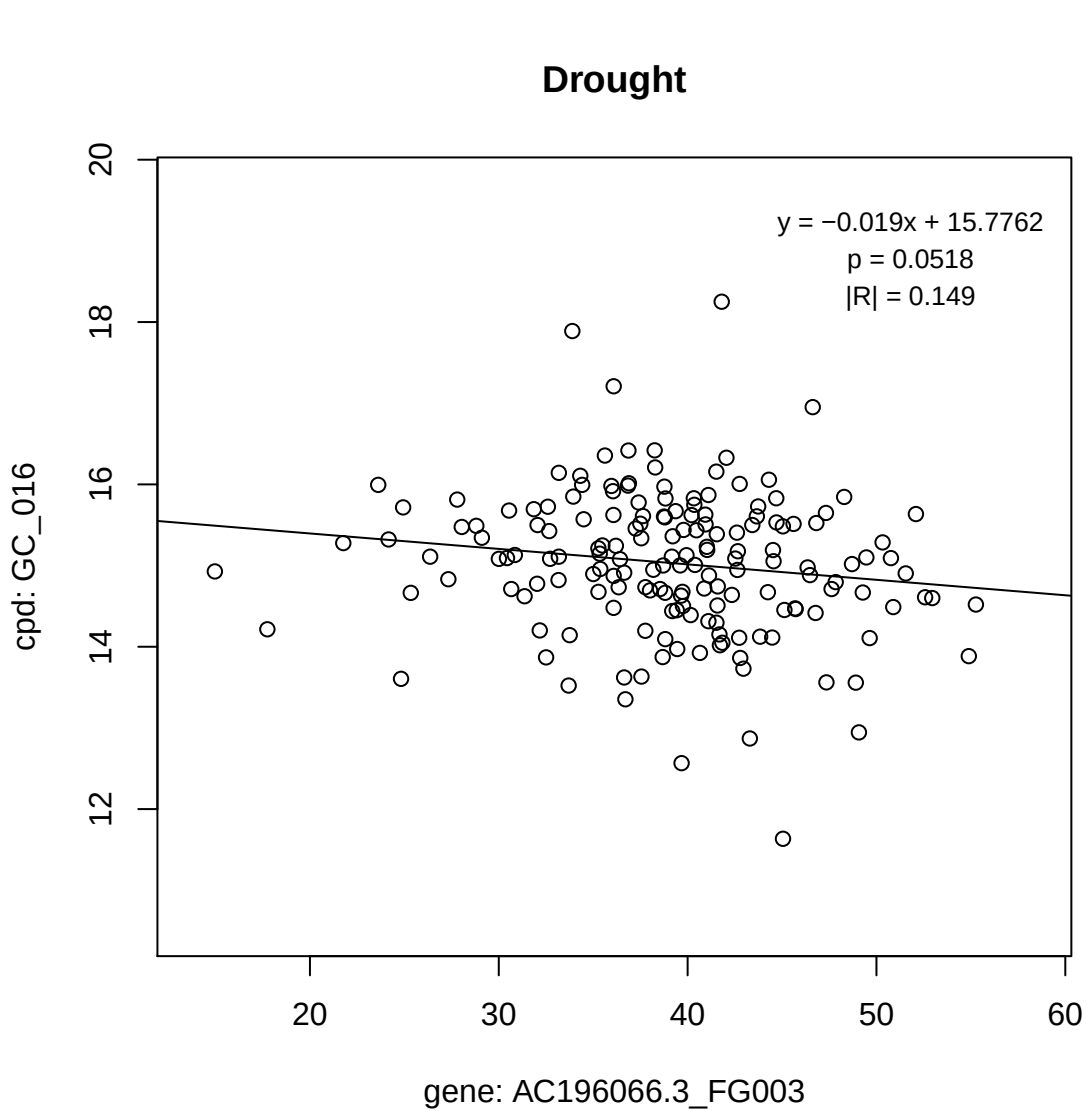

Normal
y = −0.2061x + 15.8381
p = 0.8282
|R| = 0.0169
cpd: GC_019
gene: GRMZM2G102634
Drought
y = 0.7102x + 16.3437
p = 0.795
|R| = 0.0203
cpd: GC_019
gene: GRMZM2G102634

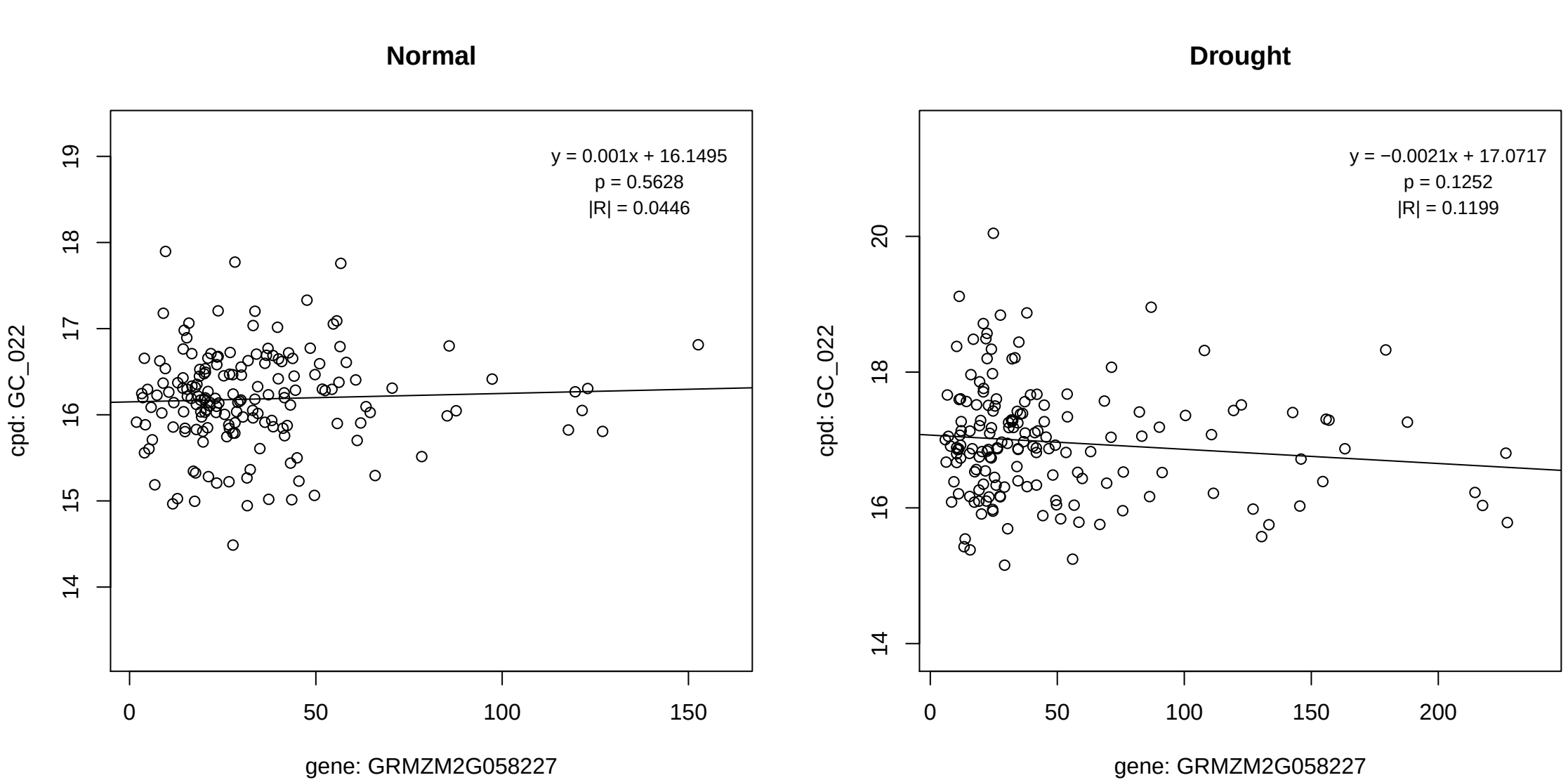

Normal
y = −0.5083x + 13.6415
p = 5e−04
|R| = 0.2633
cpd: GC_016
gene: GRMZM2G417089
Drought
y = −0.2426x + 15.3104
p = 0.0839
|R| = 0.1326
cpd: GC_016
gene: GRMZM2G417089

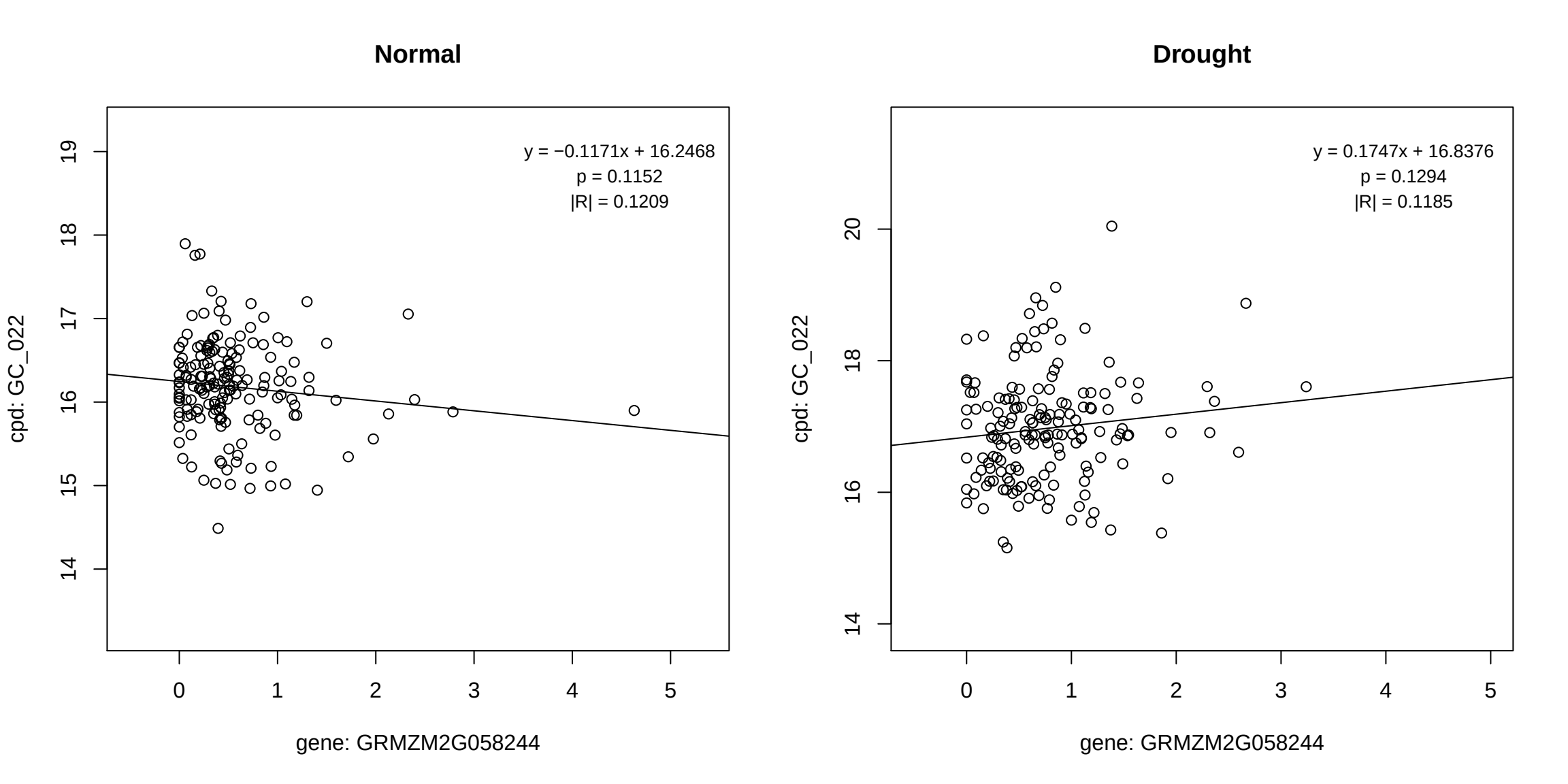

Normal
y = −0.0029x + 13.2324
p = 0.6451
|R| = 0.0355
cpd: GC_016
gene: GRMZM2G153928
Drought
y = −0.019x + 15.7762
p = 0.0518
|R| = 0.149
cpd: GC_016
gene: GRMZM2G153928

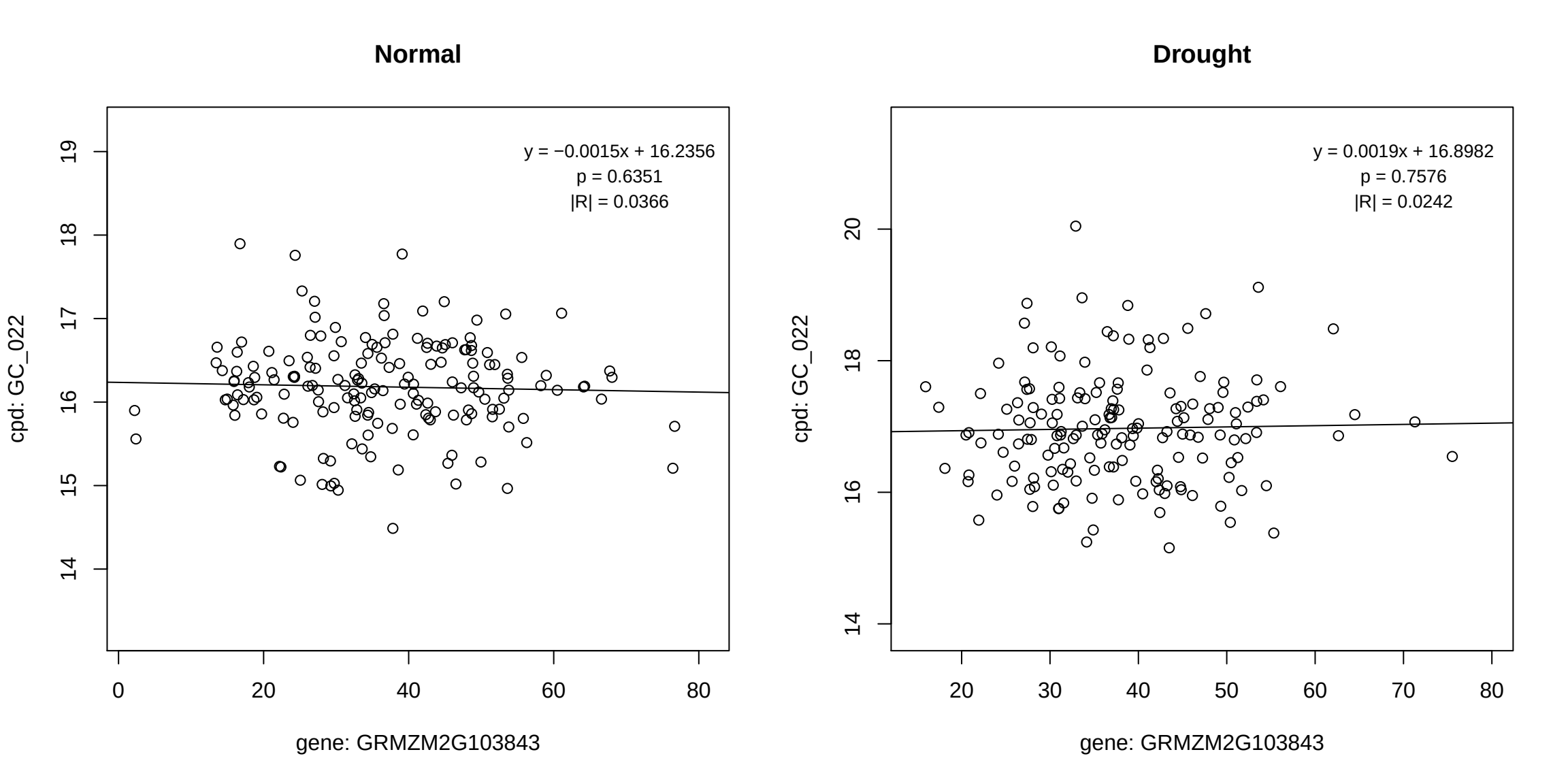

Normal
y = 0.0038x + 12.8069
p = 0.0182
|R| = 0.1804
cpd: GC_016
gene: GRMZM2G153887
Drought
y = 0.003x + 14.9019
p = 0.2994
|R| = 0.0798
cpd: GC_016
gene: GRMZM2G153887

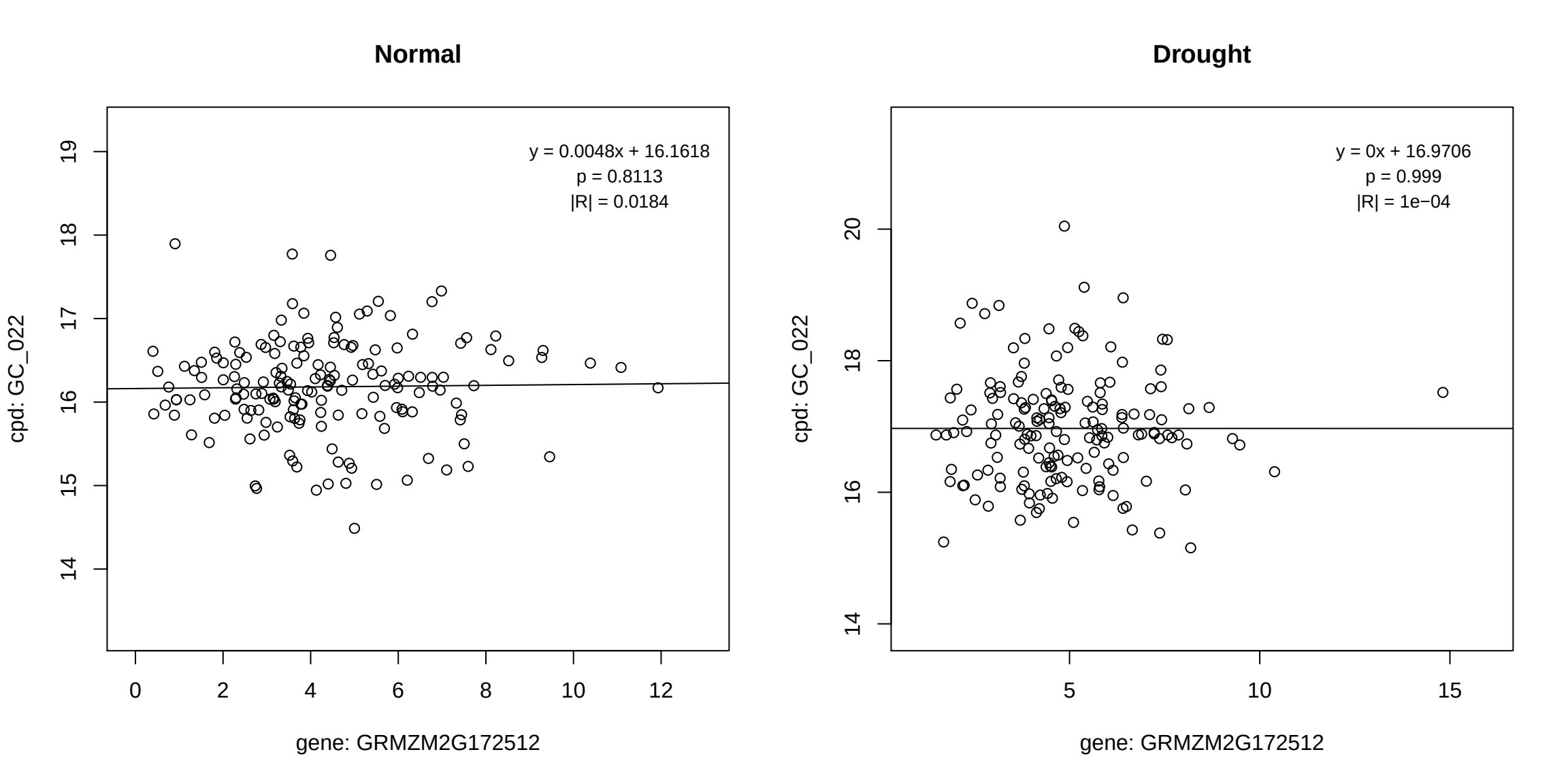

Normal
y = −0.0029x + 13.2324
p = 0.6451
|R| = 0.0355
cpd: GC_016
gene: AC196066.3_FG003
8
10
12
14
16
18
20
40
60
80
100

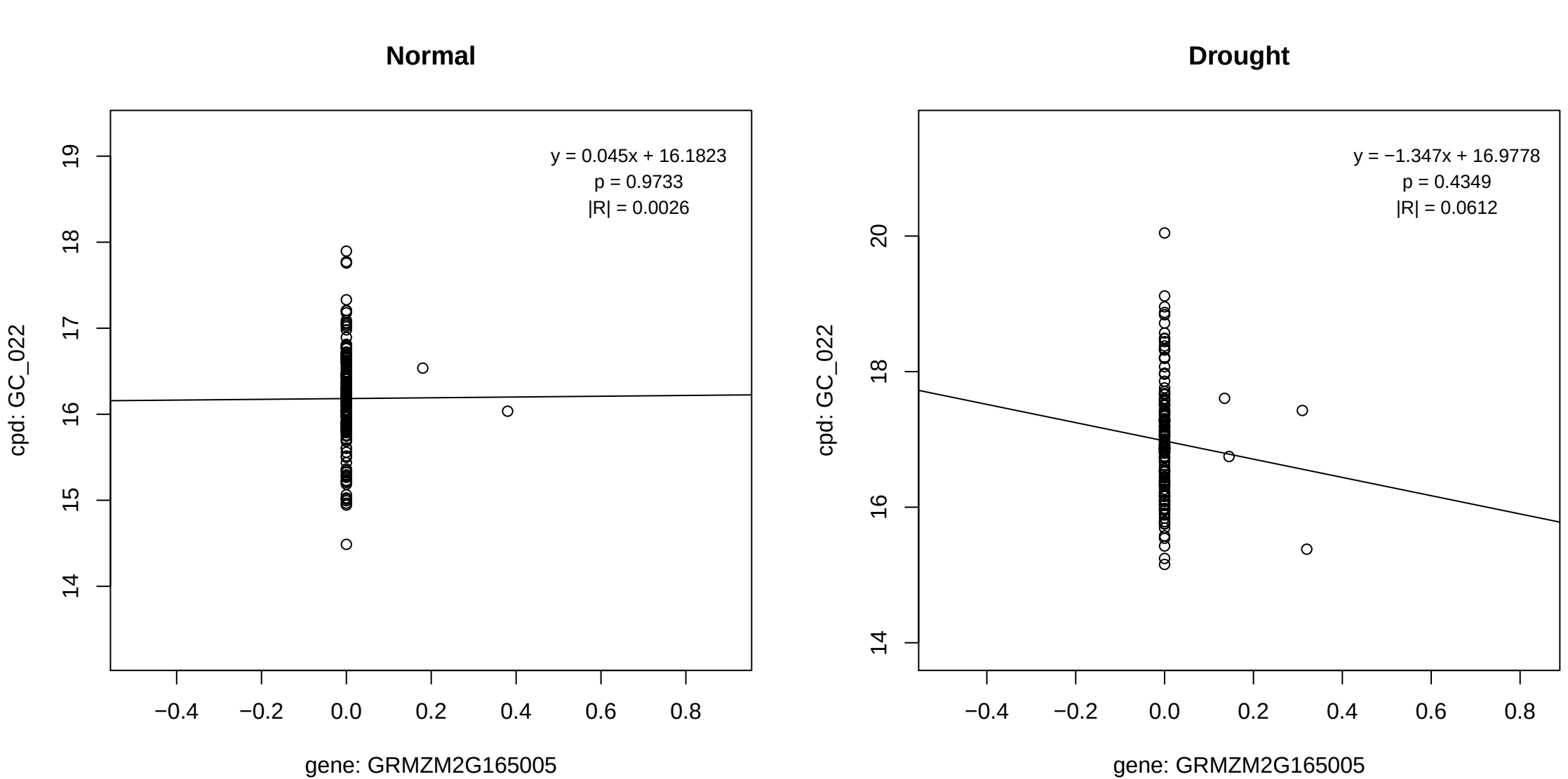

Drought
y = −0.019x + 15.7762
p = 0.0518
|R| = 0.149
cpd: GC_016
gene: AC196066.3_FG003
12
14
16
18
20
30
40
50
60

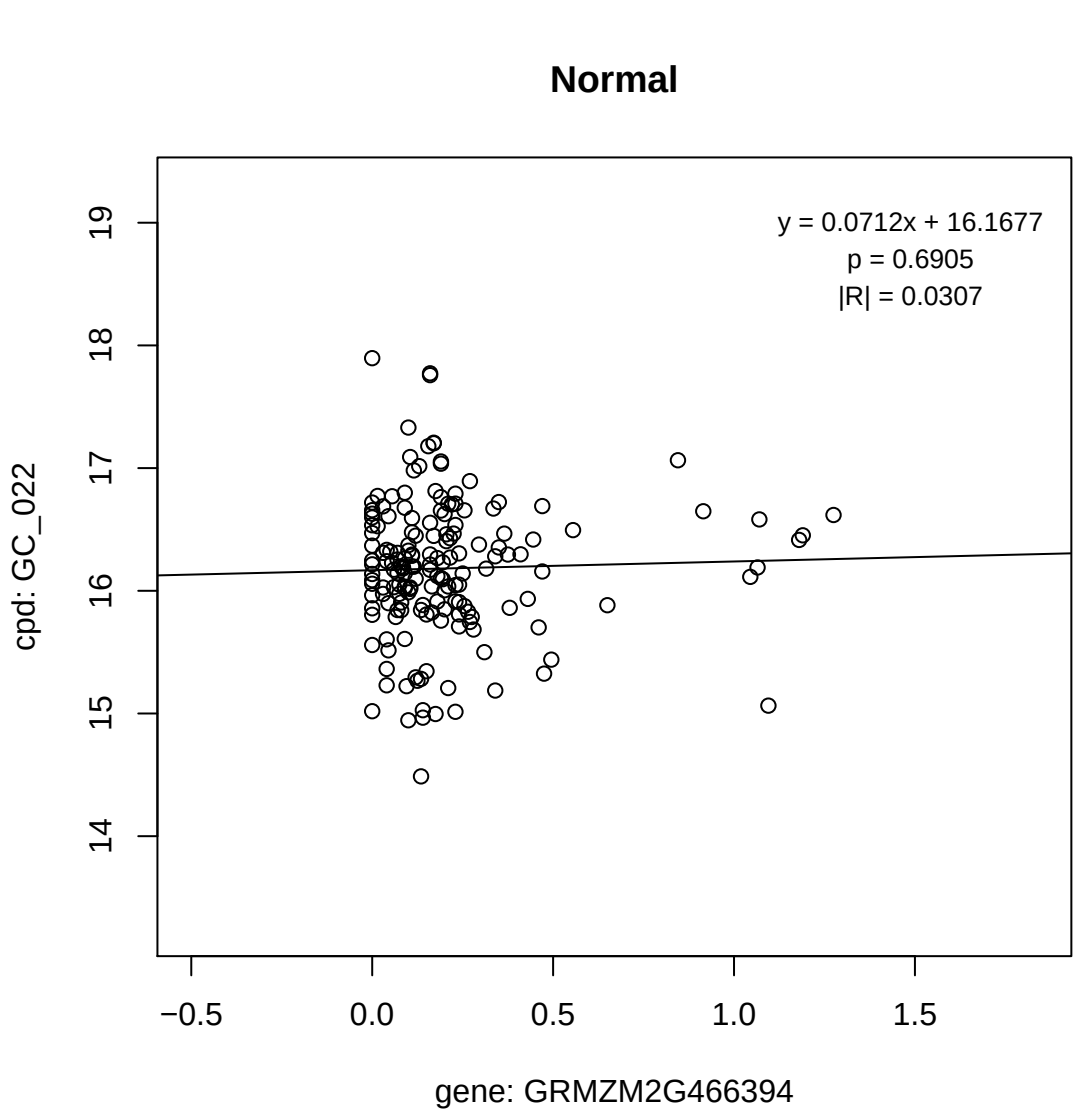

Normal
y = 0.001x + 16.1495
p = 0.5628
|R| = 0.0446
cpd: GC_022
gene: GRMZM2G058227
Drought
y = −0.0021x + 17.0717
p = 0.1252
|R| = 0.1199
cpd: GC_022
gene: GRMZM2G058227

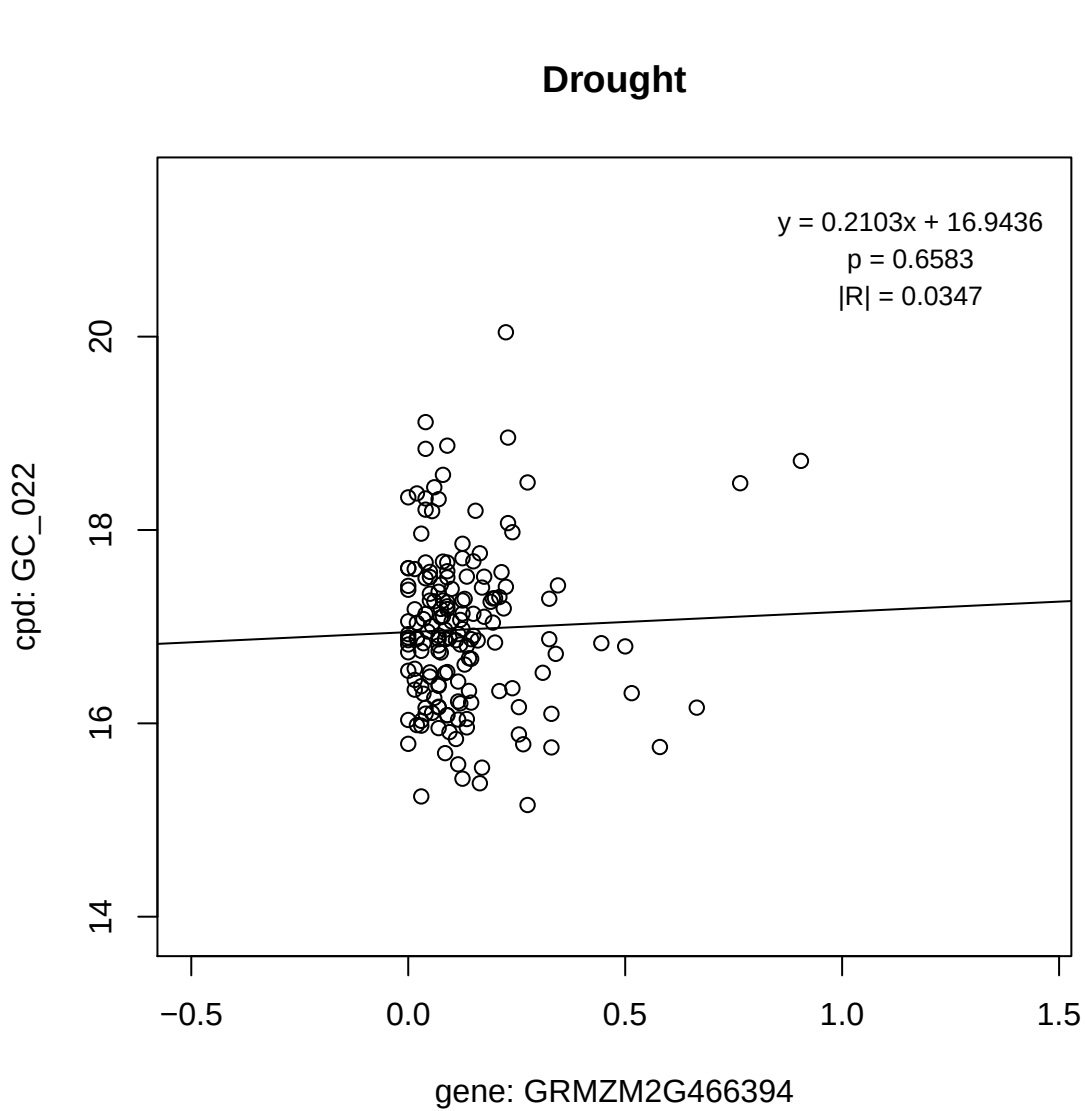

Normal
y = −0.1171x + 16.2468
p = 0.1152
|R| = 0.1209
cpd: GC_022
gene: GRMZM2G058244
Drought
y = 0.1747x + 16.8376
p = 0.1294
|R| = 0.1185
cpd: GC_022
gene: GRMZM2G058244

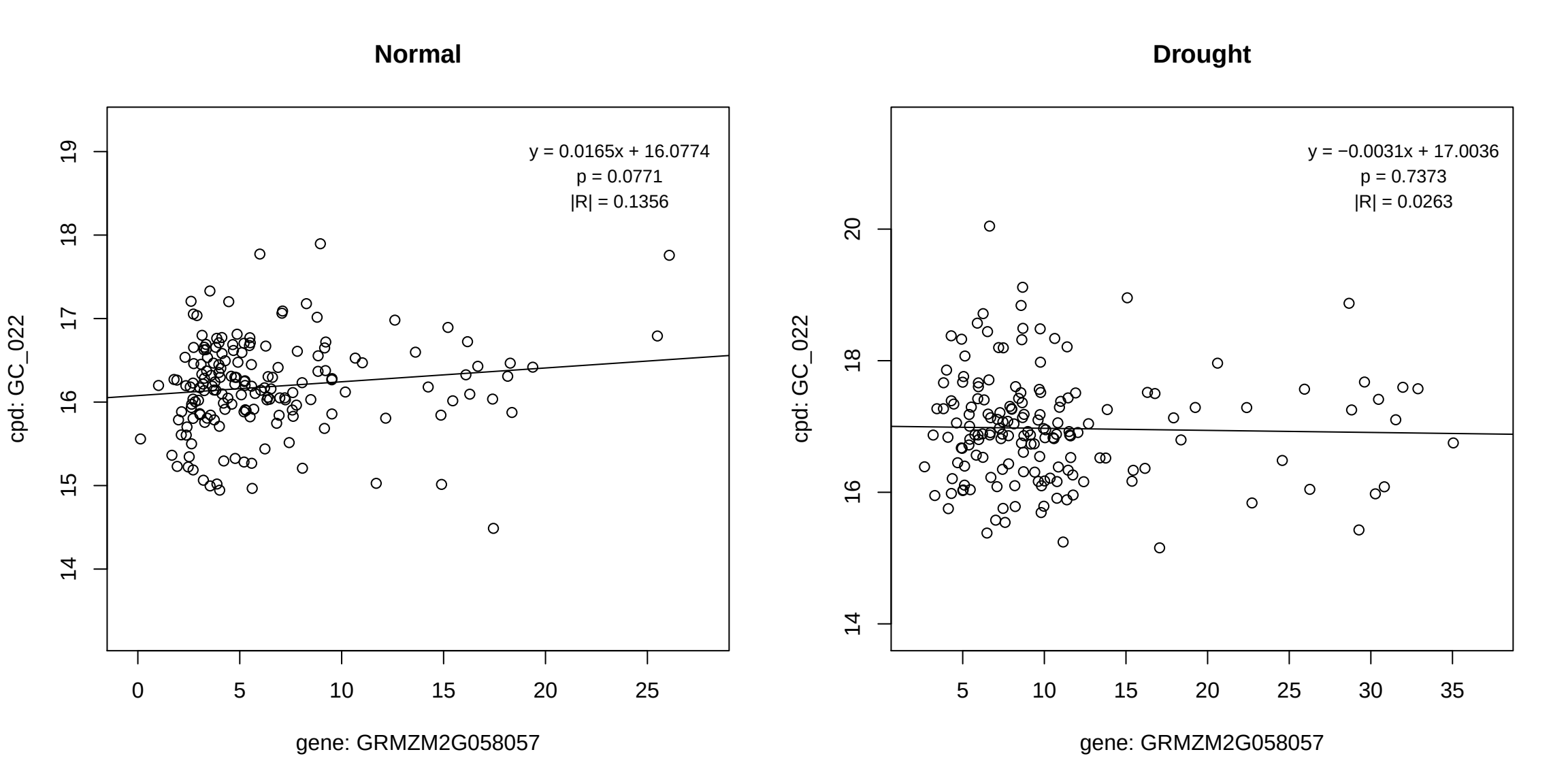

Normal
y = −0.0015x + 16.2356
p = 0.6351
|R| = 0.0366
cpd: GC_022
gene: GRMZM2G103843
Drought
y = 0.0019x + 16.8982
p = 0.7576
|R| = 0.0242
cpd: GC_022
gene: GRMZM2G103843

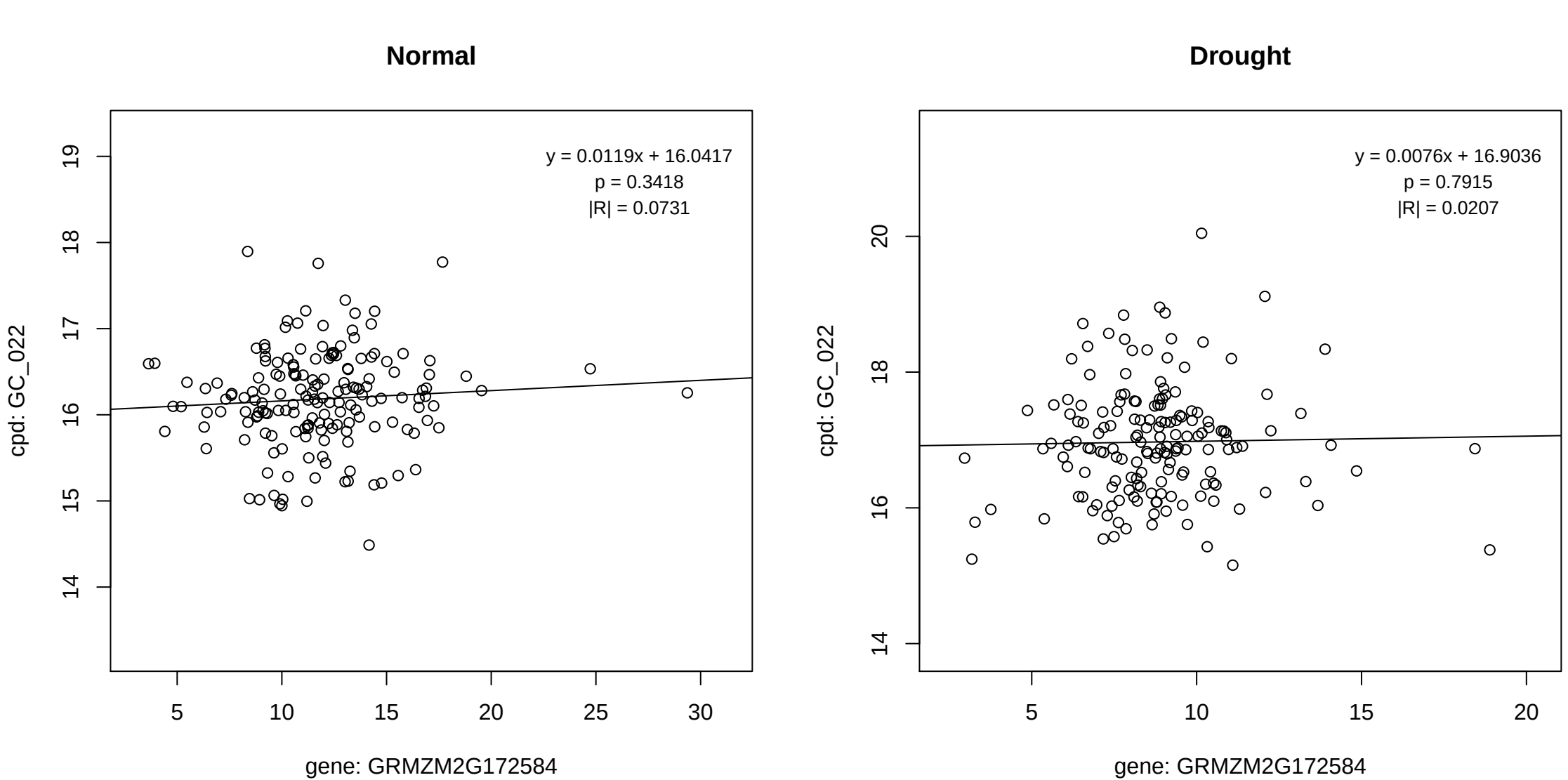

Normal
y = 0.0048x + 16.1618
p = 0.8113
|R| = 0.0184
cpd: GC_022
gene: GRMZM2G172512
Drought
y = 0x + 16.9706
p = 0.999
|R| = 1e−04
cpd: GC_022
gene: GRMZM2G172512

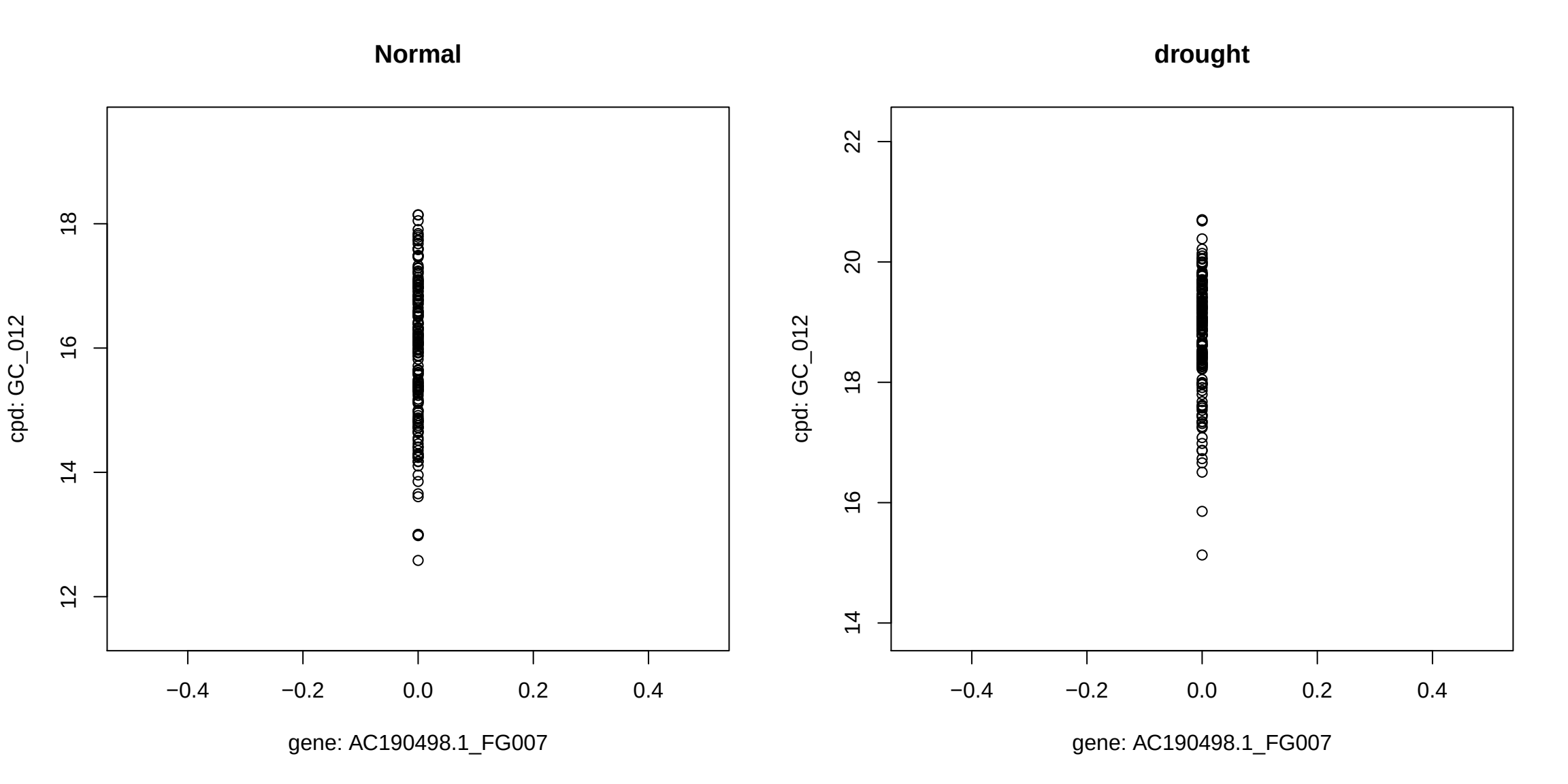

Normal
y = 0.045x + 16.1823
p = 0.9733
|R| = 0.0026
cpd: GC_022
gene: GRMZM2G165005
Drought
y = −1.347x + 16.9778
p = 0.4349
|R| = 0.0612
cpd: GC_022
gene: GRMZM2G165005

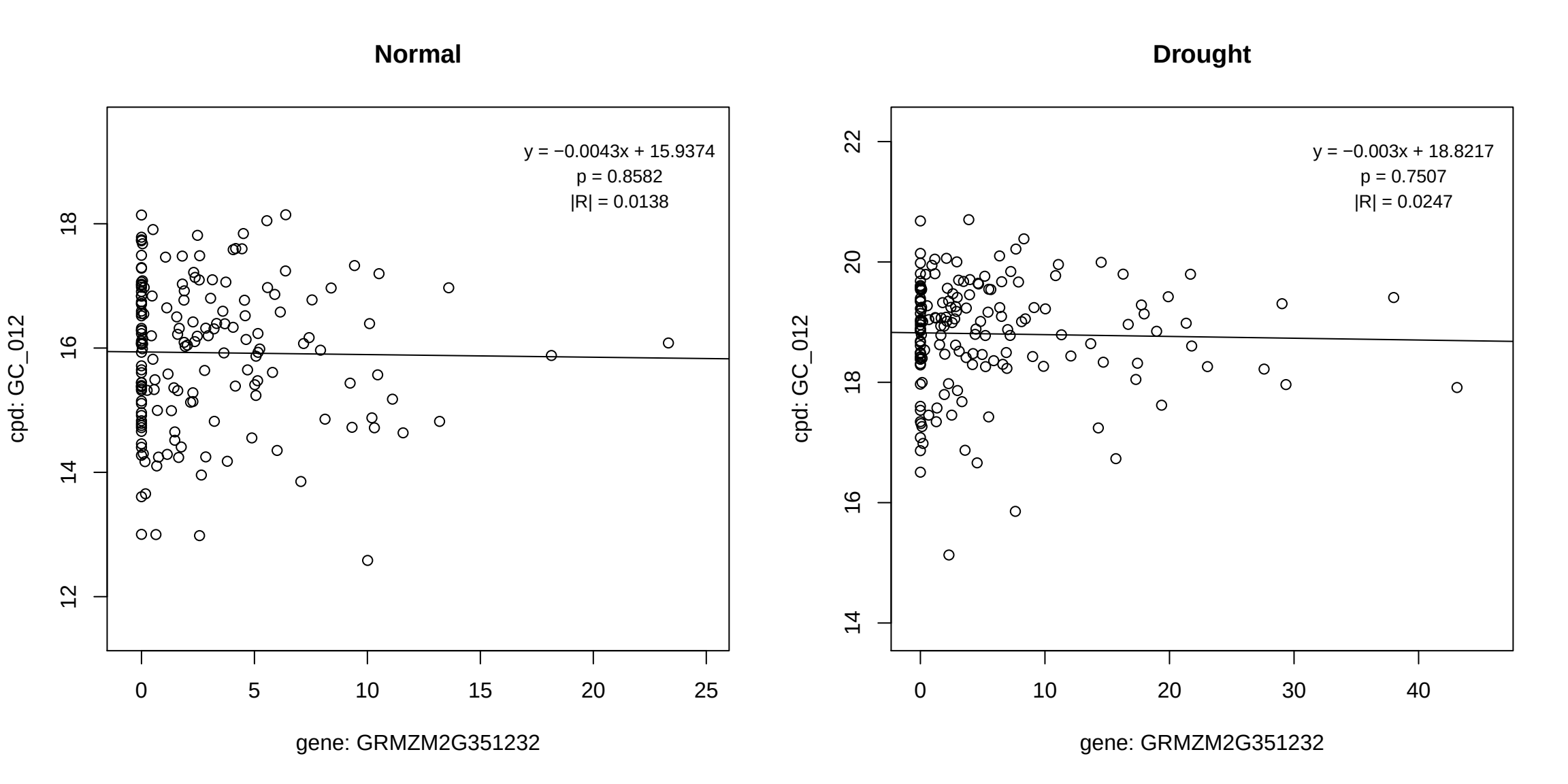

Normal
y = 0.0712x + 16.1677
p = 0.6905
|R| = 0.0307
cpd: GC_022
gene: GRMZM2G466394
14
15
16
17
18
19
−0.5
0.0
0.5
1.0
1.5

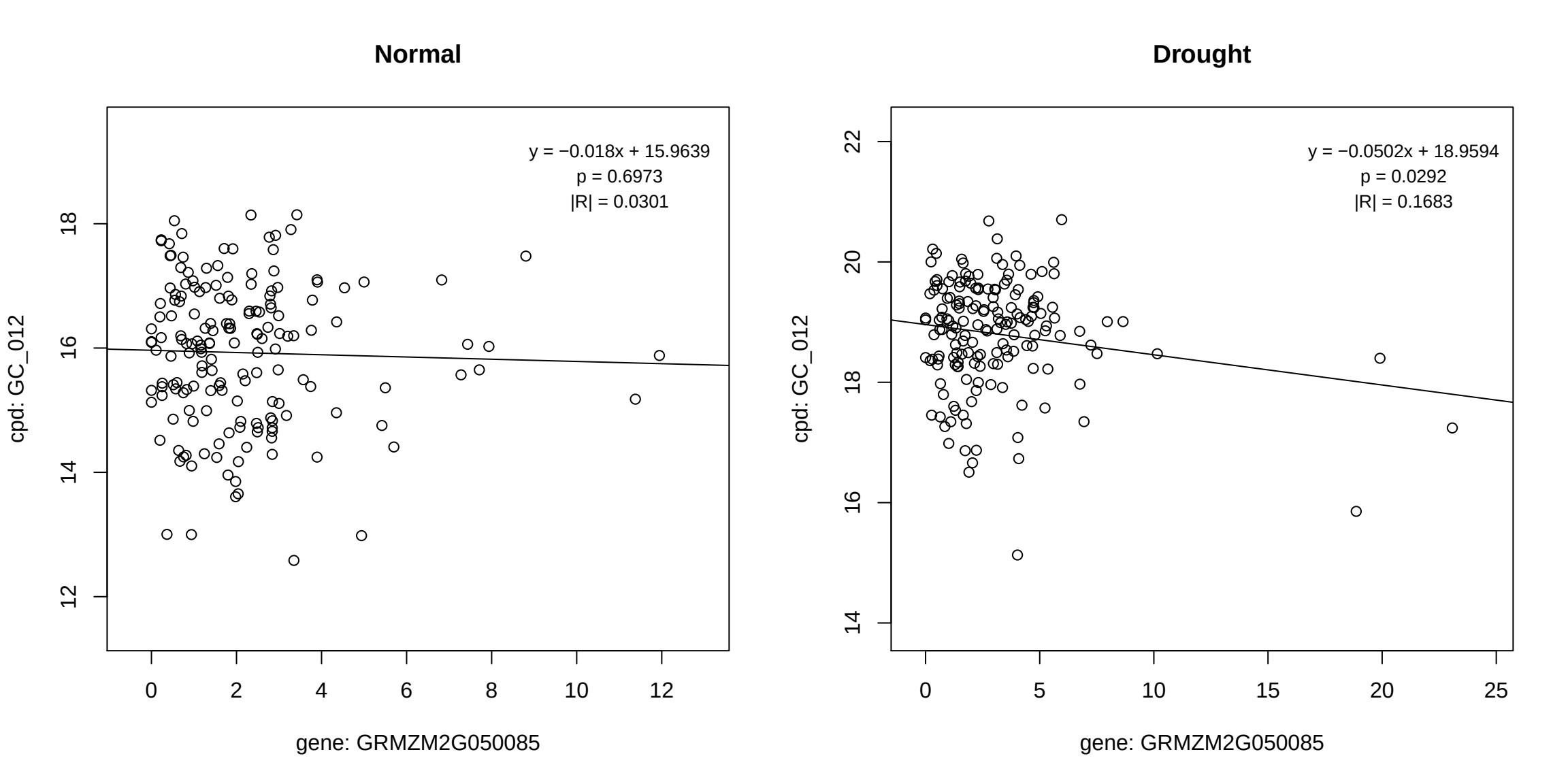

Drought
y = 0.2103x + 16.9436
p = 0.6583
|R| = 0.0347
cpd: GC_022
gene: GRMZM2G466394
14
16
18
20
−0.5
0.0
0.5
1.0
1.5

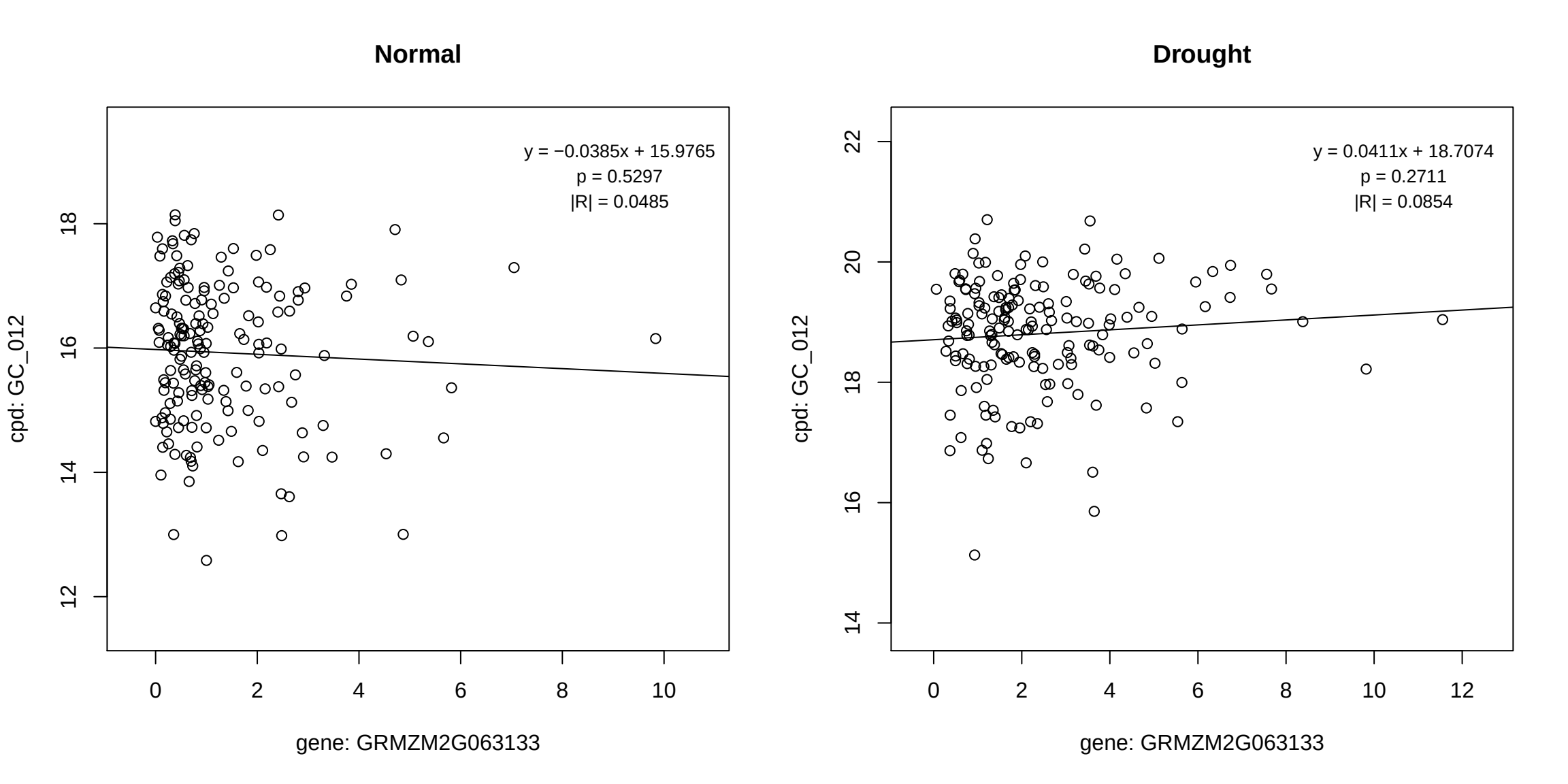

Normal
y = 0.0165x + 16.0774
p = 0.0771
|R| = 0.1356
cpd: GC_022
gene: GRMZM2G058057
Drought
y = −0.0031x + 17.0036
p = 0.7373
|R| = 0.0263
cpd: GC_022
gene: GRMZM2G058057

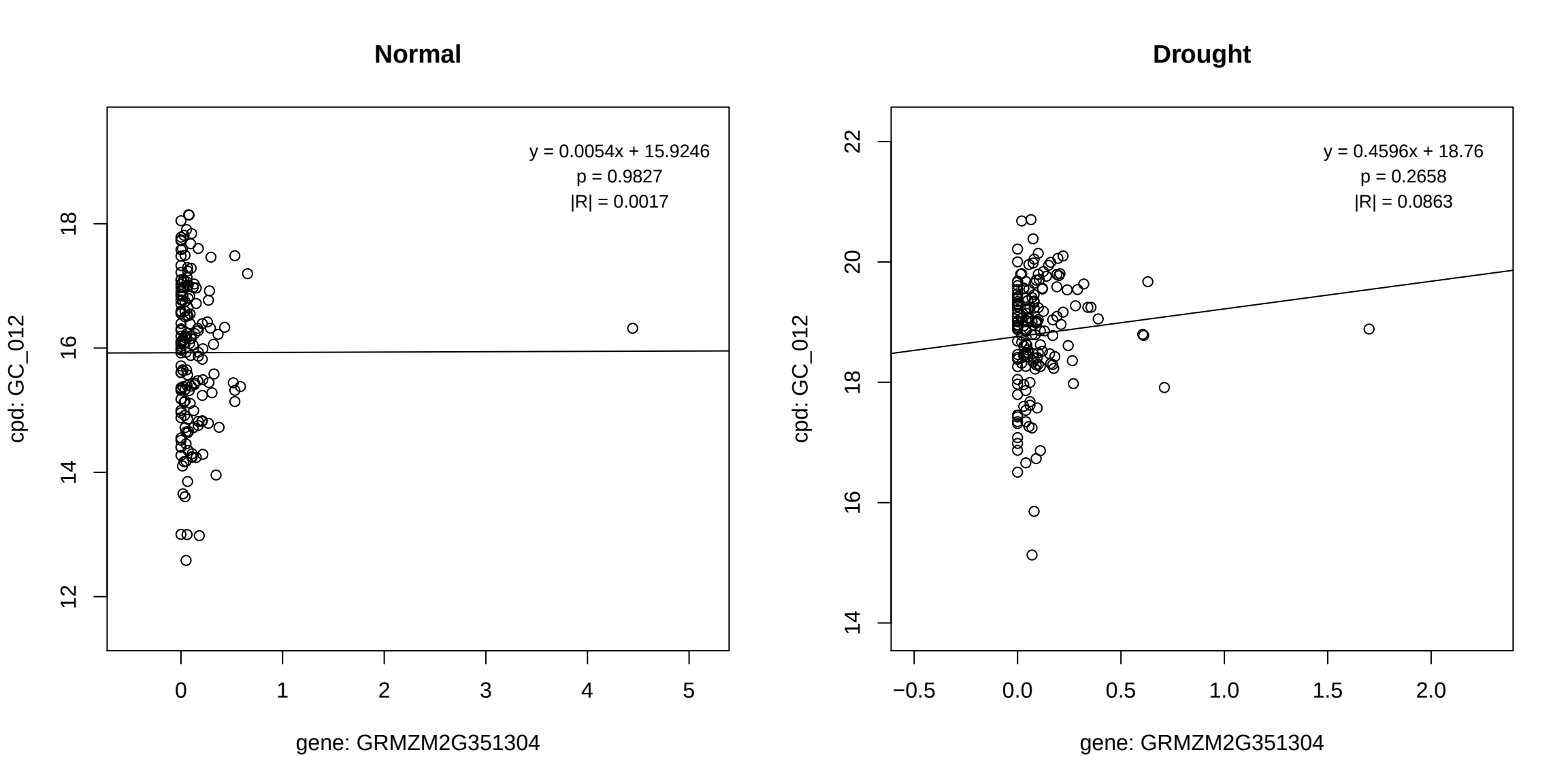

Normal
y = 0.0119x + 16.0417
p = 0.3418
|R| = 0.0731
cpd: GC_022
gene: GRMZM2G172584
Drought
y = 0.0076x + 16.9036
p = 0.7915
|R| = 0.0207
cpd: GC_022
gene: GRMZM2G172584

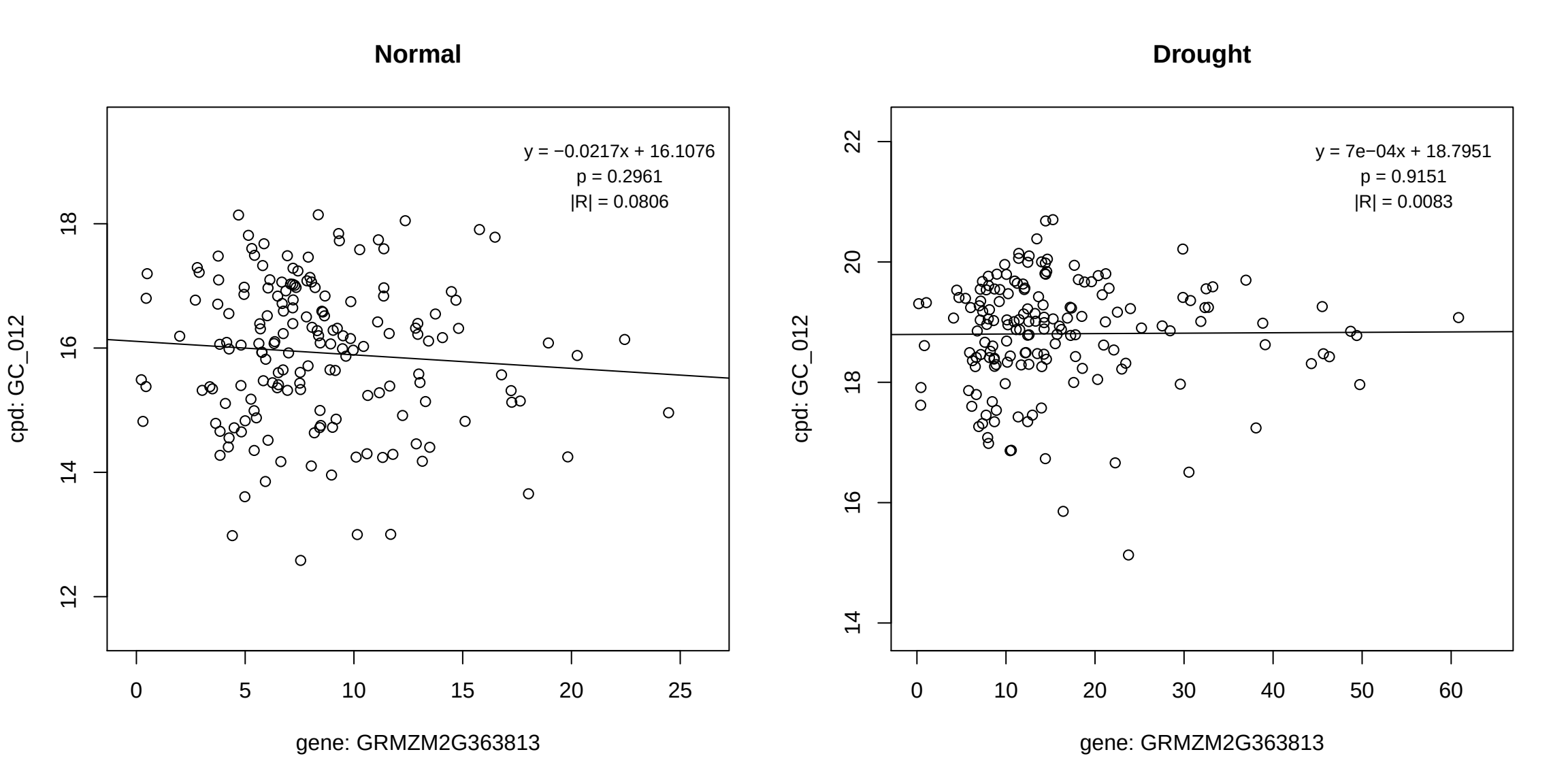

Normal
drought
cpd: GC_012
gene: AC190498.1_FG007
12
14
16
18
20
22
−0.4
−0.2
0.0
0.2
0.4

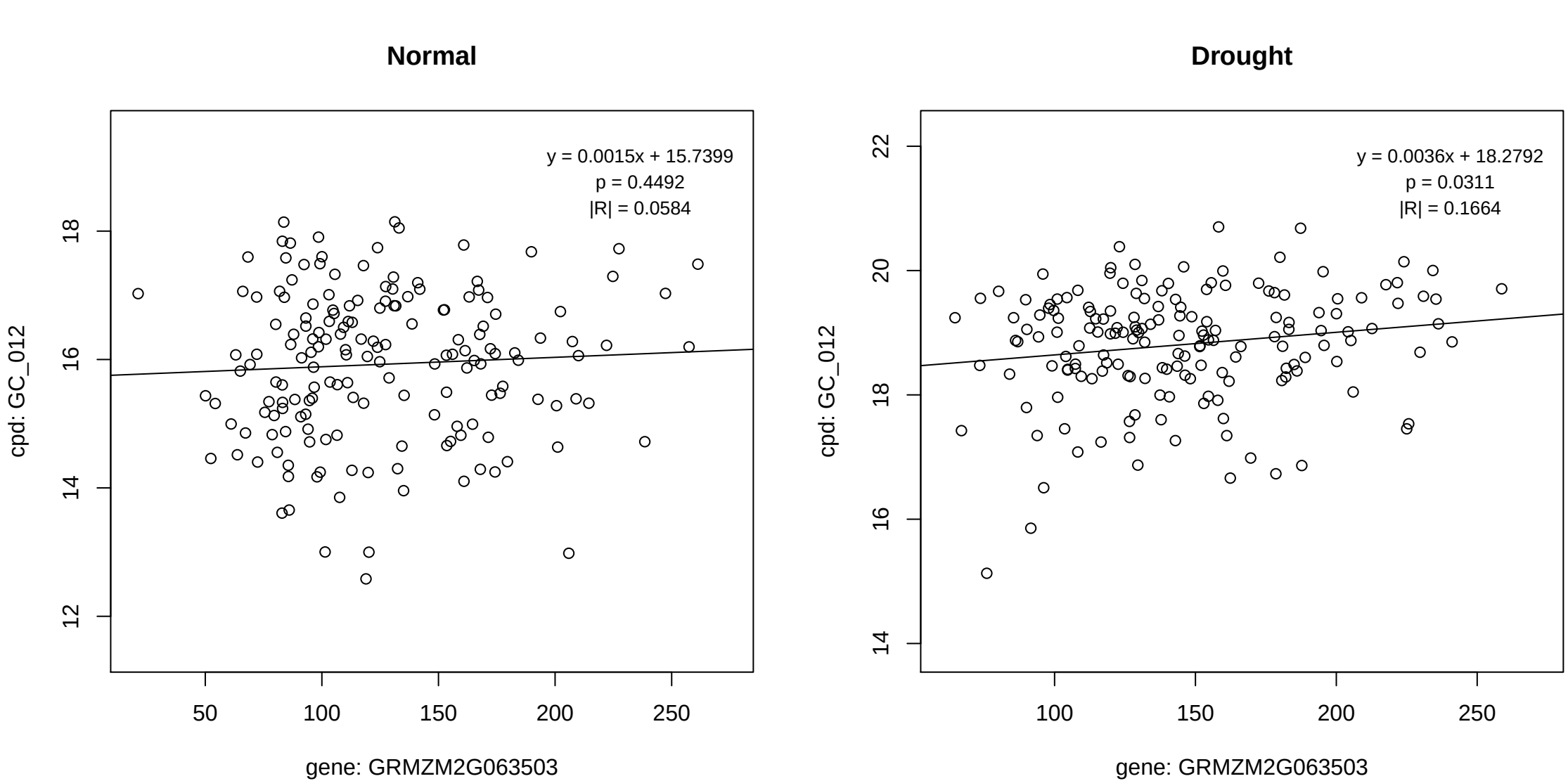

Normal
y = −0.0043x + 15.9374
p = 0.8582
|R| = 0.0138
cpd: GC_012
gene: GRMZM2G351232
Drought
y = −0.003x + 18.8217
p = 0.7507
|R| = 0.0247
cpd: GC_012
gene: GRMZM2G351232

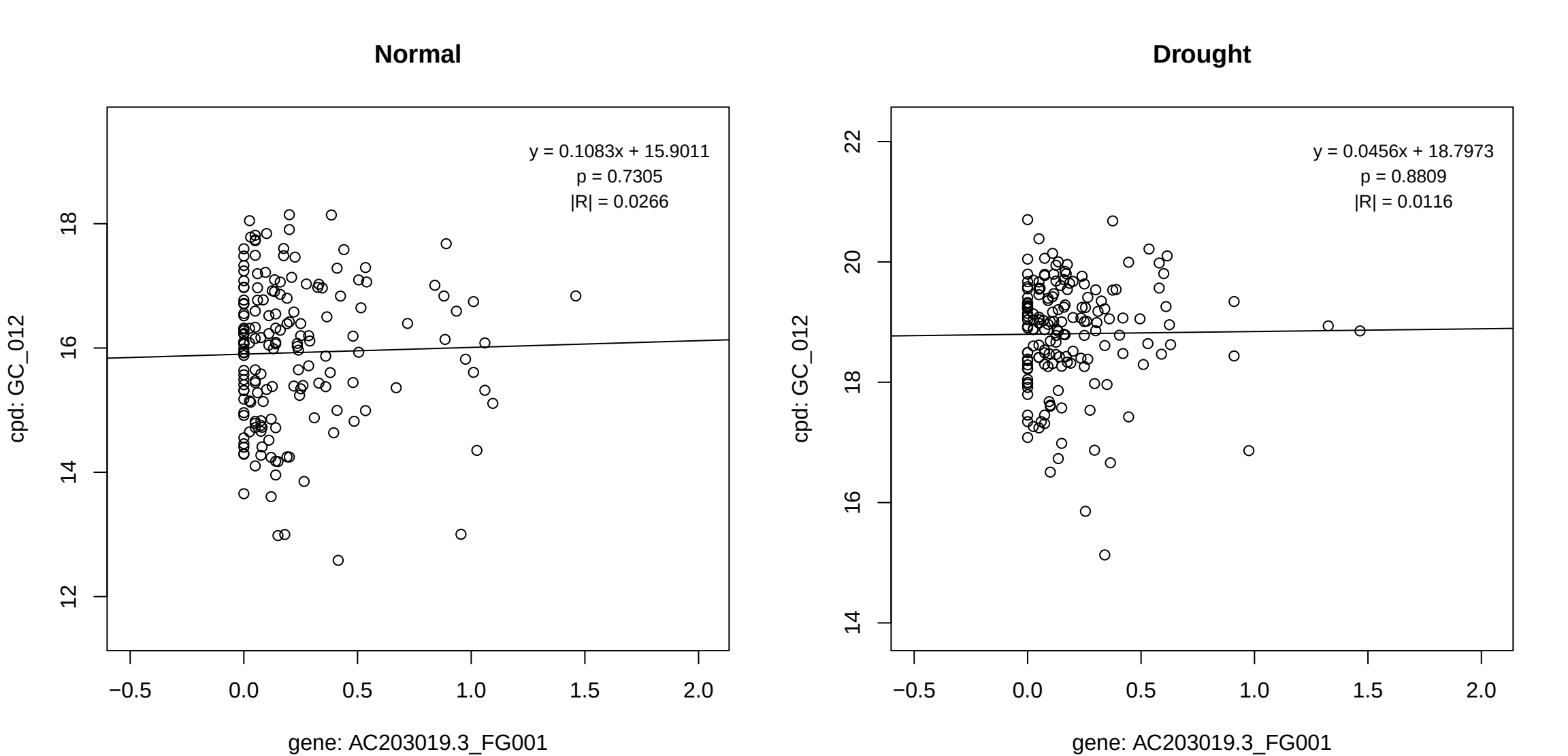

Normal
y = −0.018x + 15.9639
p = 0.6973
|R| = 0.0301
cpd: GC_012
gene: GRMZM2G050085
Drought
y = −0.0502x + 18.9594
p = 0.0292
|R| = 0.1683
cpd: GC_012
gene: GRMZM2G050085

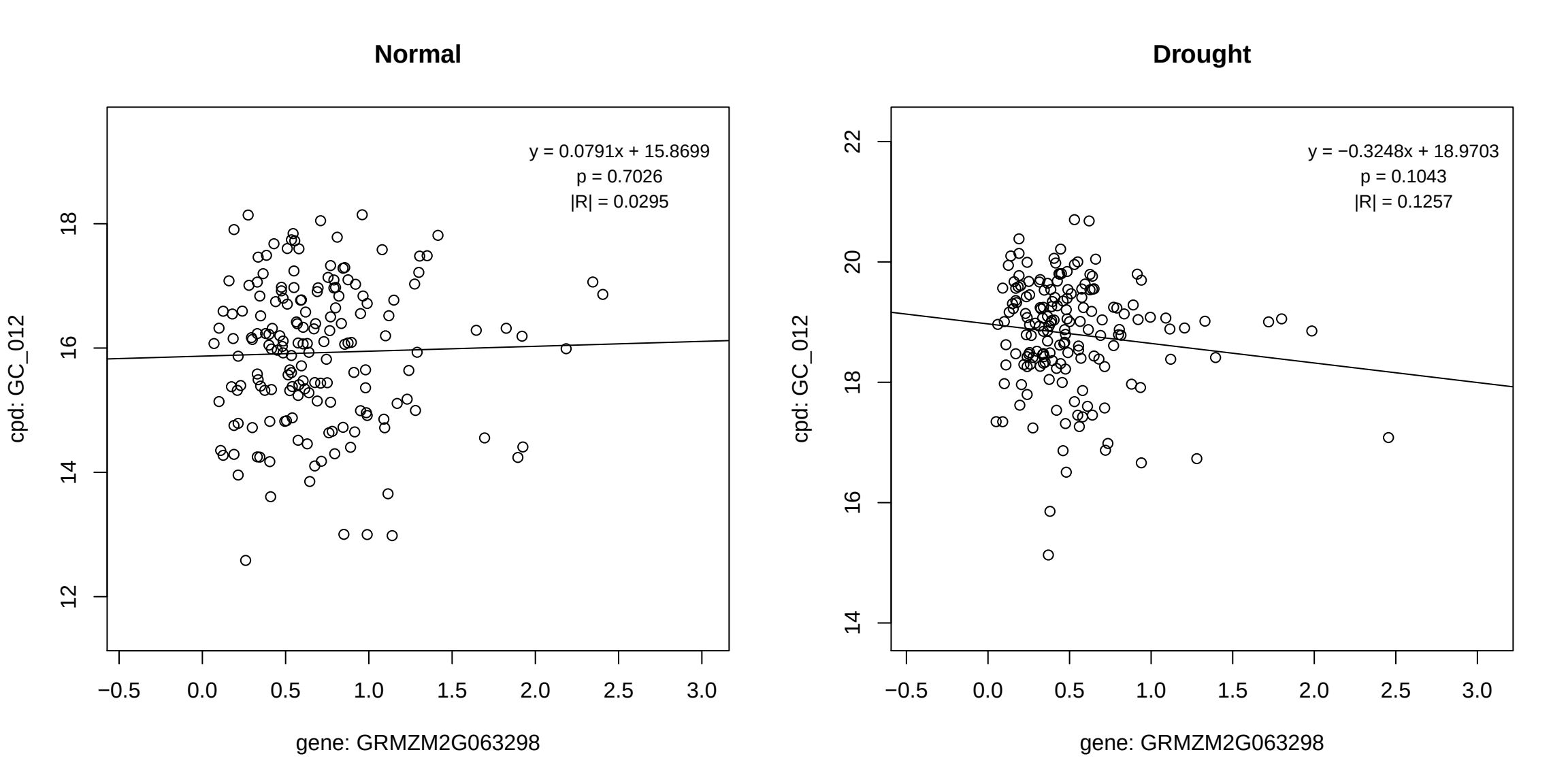

Normal
y = −0.0385x + 15.9765
p = 0.5297
|R| = 0.0485
cpd: GC_012
gene: GRMZM2G063133
Drought
y = 0.0411x + 18.7074
p = 0.2711
|R| = 0.0854
cpd: GC_012
gene: GRMZM2G063133

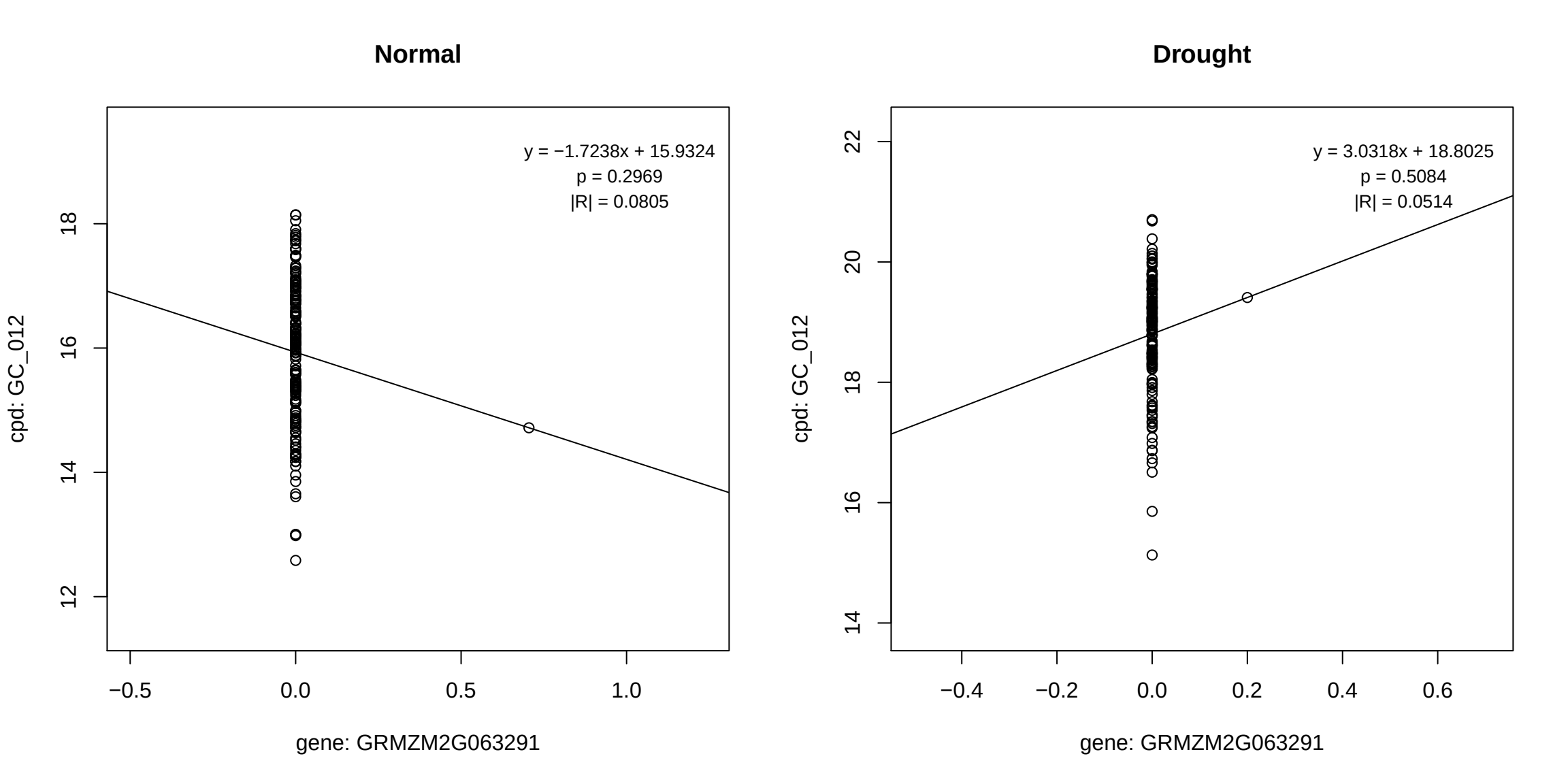

Normal
y = 0.0054x + 15.9246
p = 0.9827
|R| = 0.0017
cpd: GC_012
gene: GRMZM2G351304
Drought
y = 0.4596x + 18.76
p = 0.2658
|R| = 0.0863
cpd: GC_012
gene: GRMZM2G351304

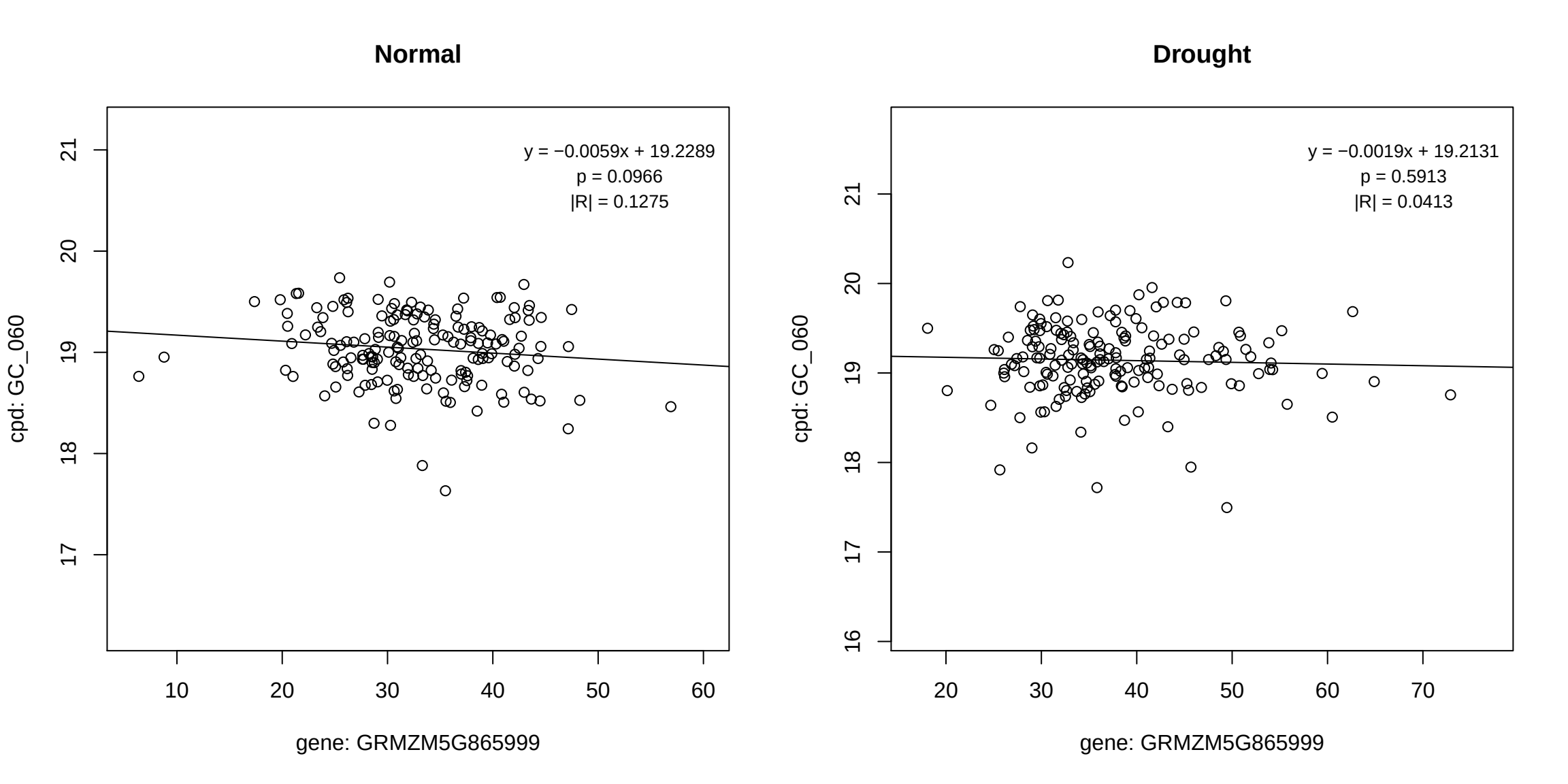

Normal
y = −0.0217x + 16.1076
p = 0.2961
|R| = 0.0806
cpd: GC_012
gene: GRMZM2G363813
Drought
y = 7e−04x + 18.7951
p = 0.9151
|R| = 0.0083
cpd: GC_012
gene: GRMZM2G363813

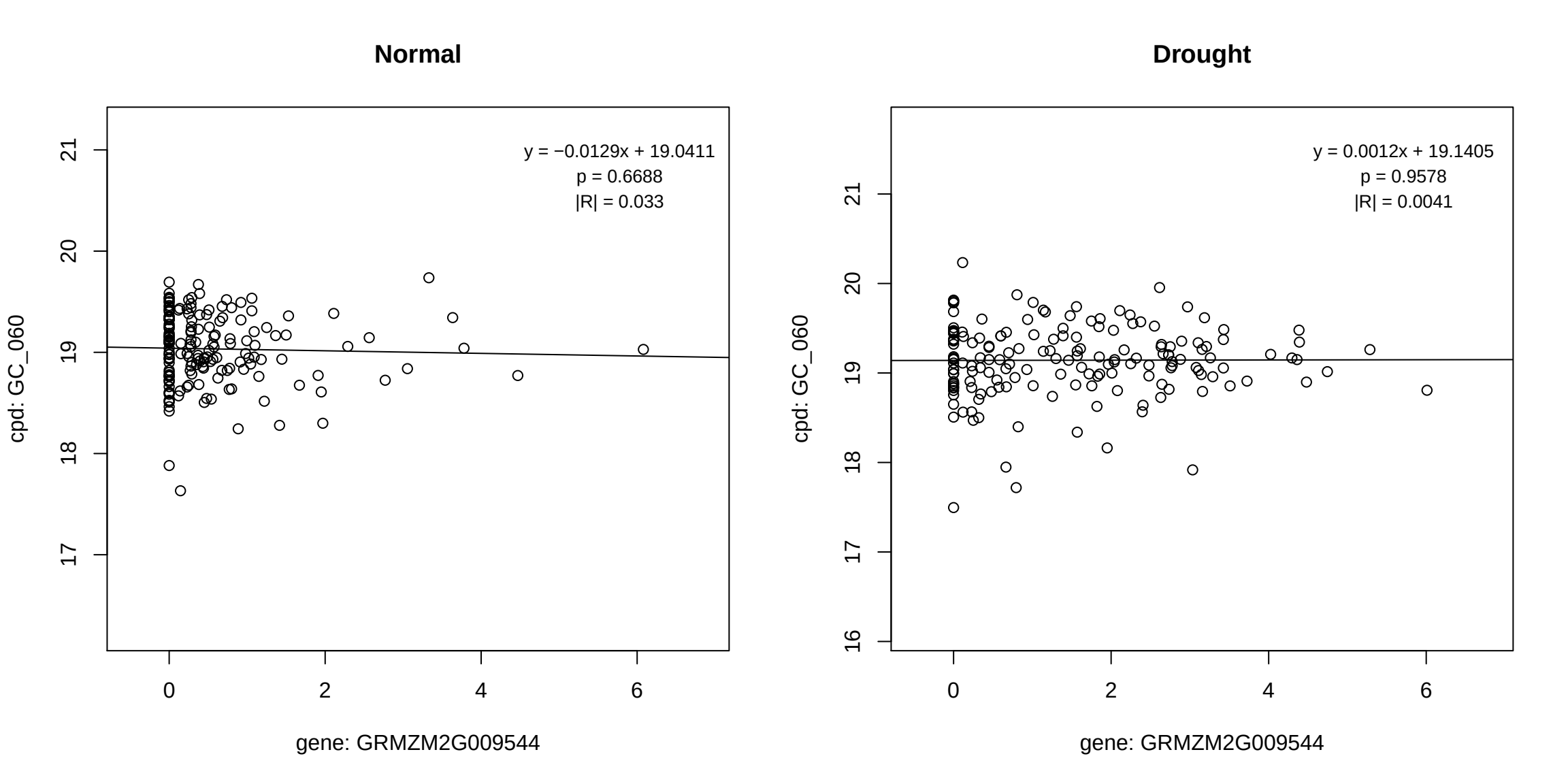

Normal
y = 0.0015x + 15.7399
p = 0.4492
|R| = 0.0584
cpd: GC_012
gene: GRMZM2G063503
Drought
y = 0.0036x + 18.2792
p = 0.0311
|R| = 0.1664
cpd: GC_012
gene: GRMZM2G063503

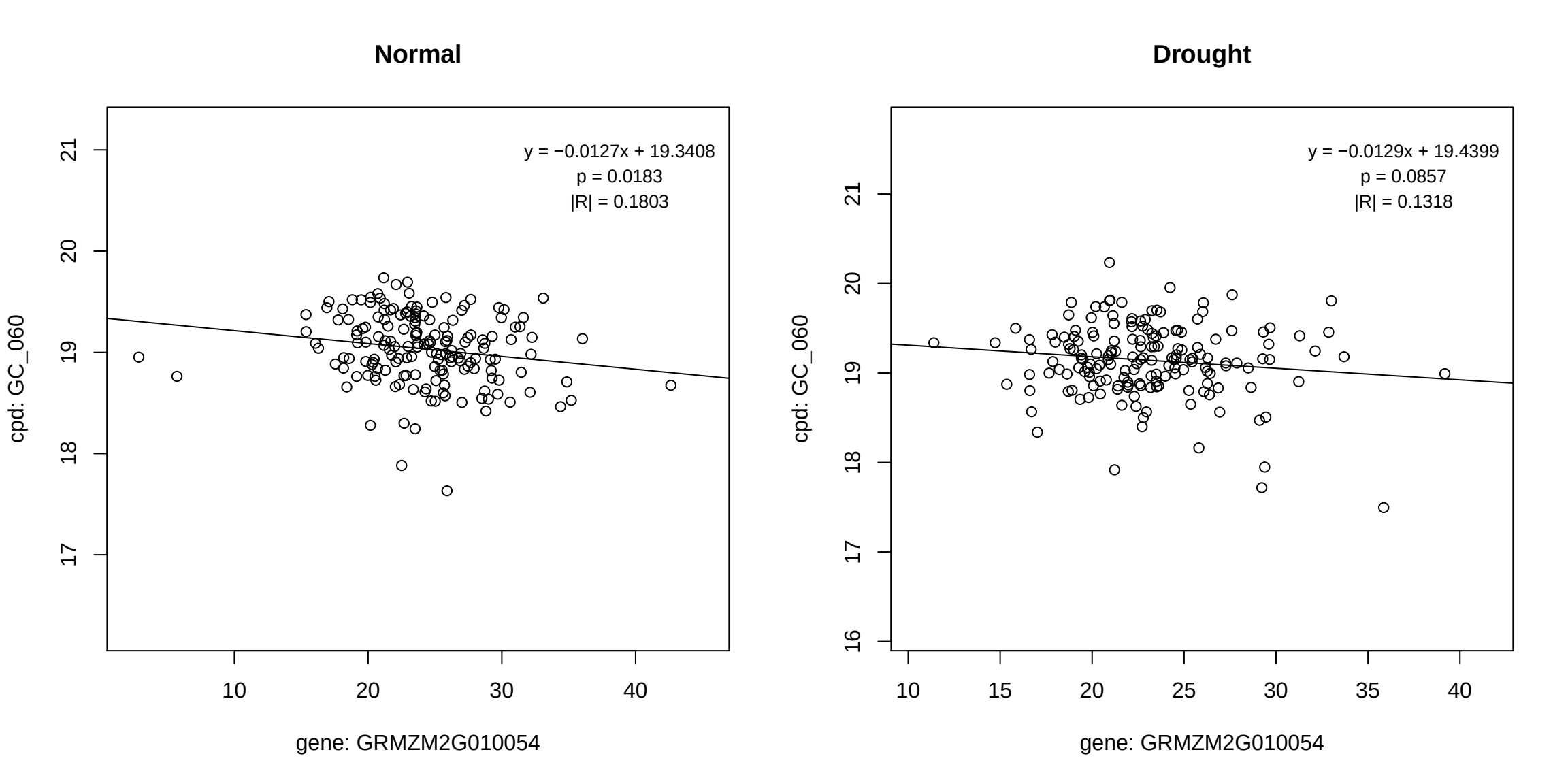

Normal
y = 0.1083x + 15.9011
p = 0.7305
|R| = 0.0266
cpd: GC_012
gene: AC203019.3_FG001
Drought
y = 0.0456x + 18.7973
p = 0.8809
|R| = 0.0116
cpd: GC_012
gene: AC203019.3_FG001

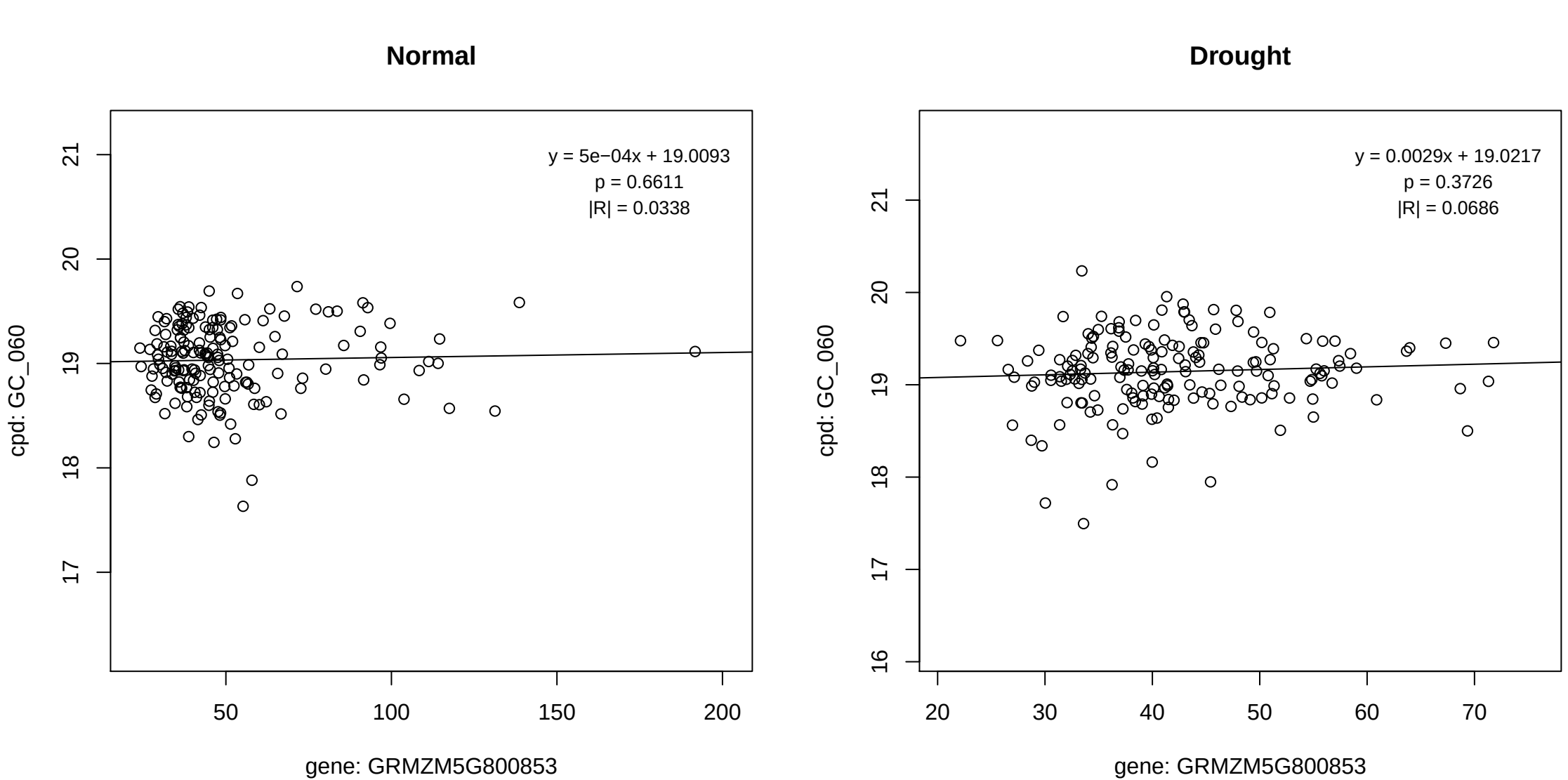

Normal
y = 0.0791x + 15.8699
p = 0.7026
|R| = 0.0295
cpd: GC_012
gene: GRMZM2G063298
Drought
y = −0.3248x + 18.9703
p = 0.1043
|R| = 0.1257
cpd: GC_012
gene: GRMZM2G063298

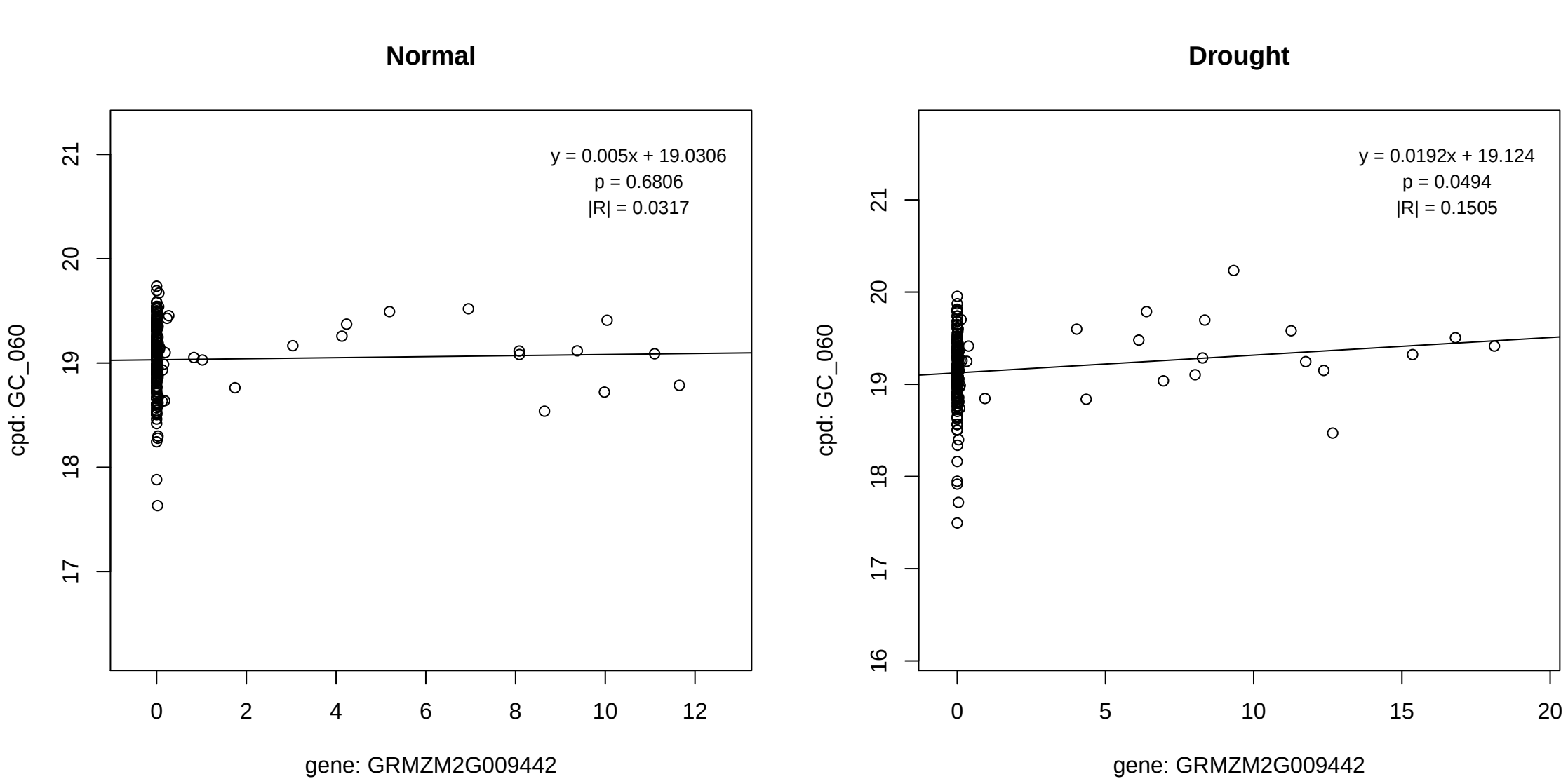

Normal
y = −1.7238x + 15.9324
p = 0.2969
|R| = 0.0805
cpd: GC_012
gene: GRMZM2G063291
Drought
y = 3.0318x + 18.8025
p = 0.5084
|R| = 0.0514
cpd: GC_012
gene: GRMZM2G063291

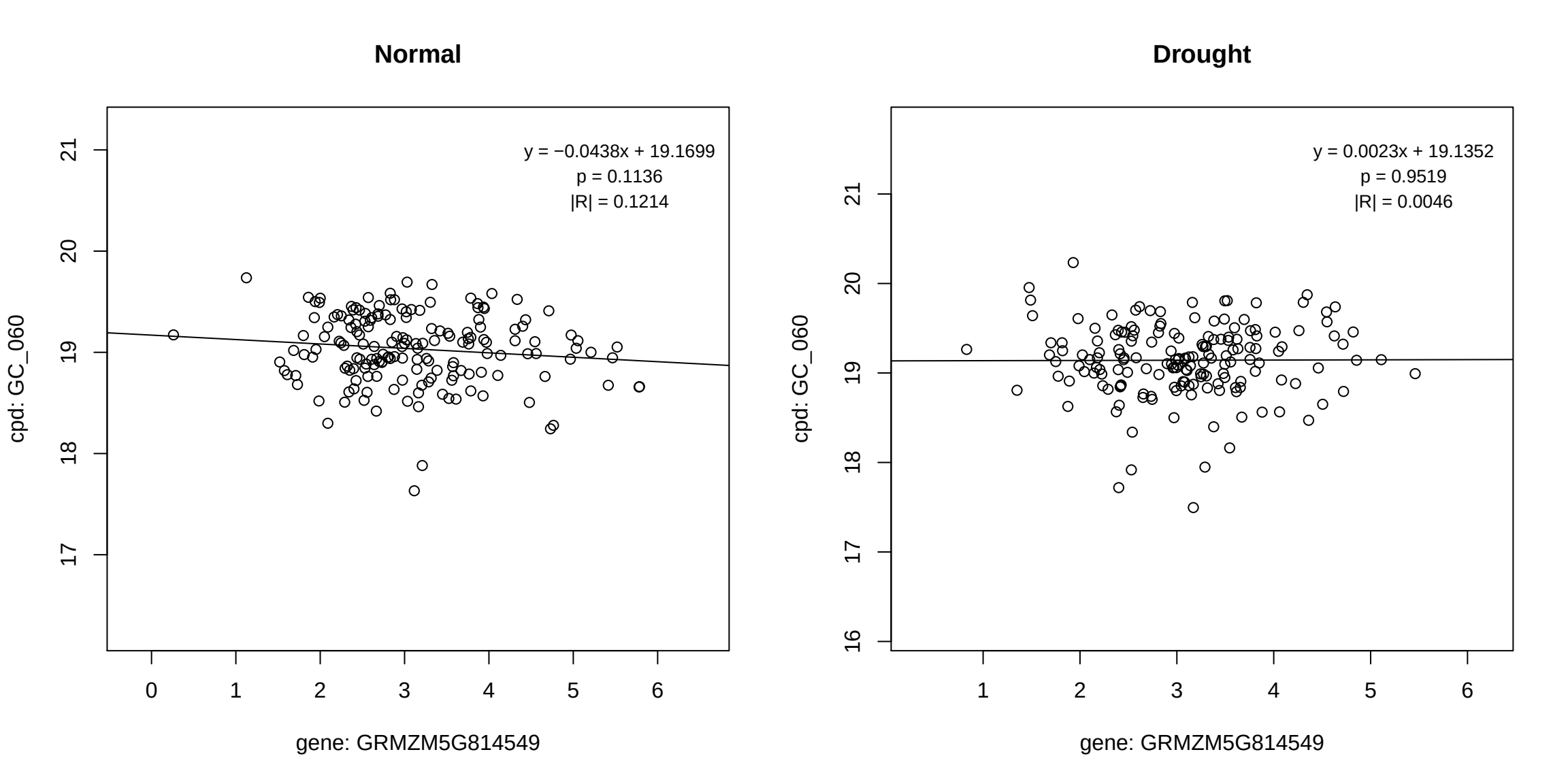

Normal
y = −0.0059x + 19.2289
p = 0.0966
|R| = 0.1275
cpd: GC_060
gene: GRMZM5G865999
Drought
y = −0.0019x + 19.2131
p = 0.5913
|R| = 0.0413
cpd: GC_060
gene: GRMZM5G865999

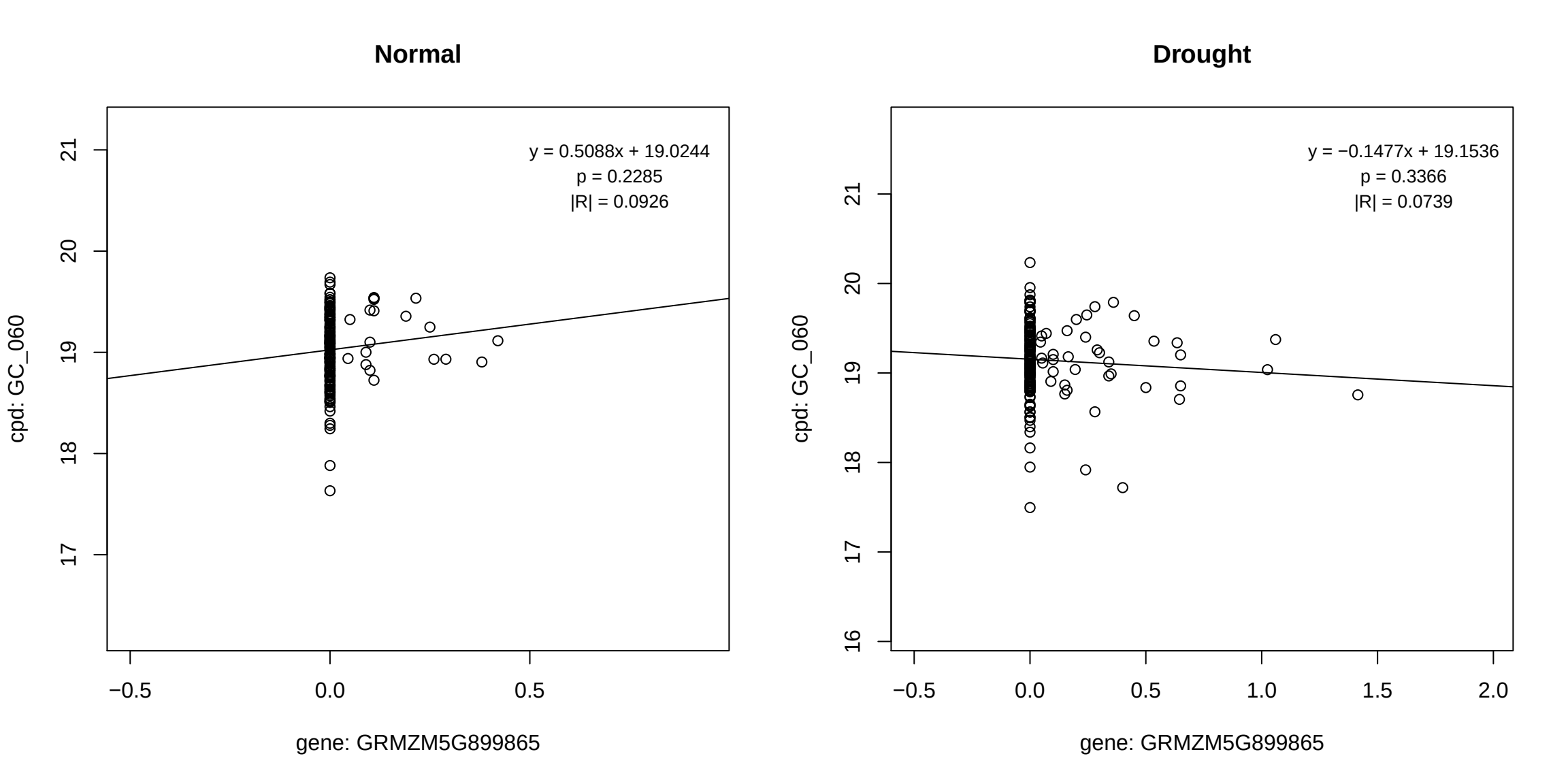

Normal
y = −0.0129x + 19.0411
p = 0.6688
|R| = 0.033
cpd: GC_060
gene: GRMZM2G009544
Drought
y = 0.0012x + 19.1405
p = 0.9578
|R| = 0.0041
cpd: GC_060
gene: GRMZM2G009544

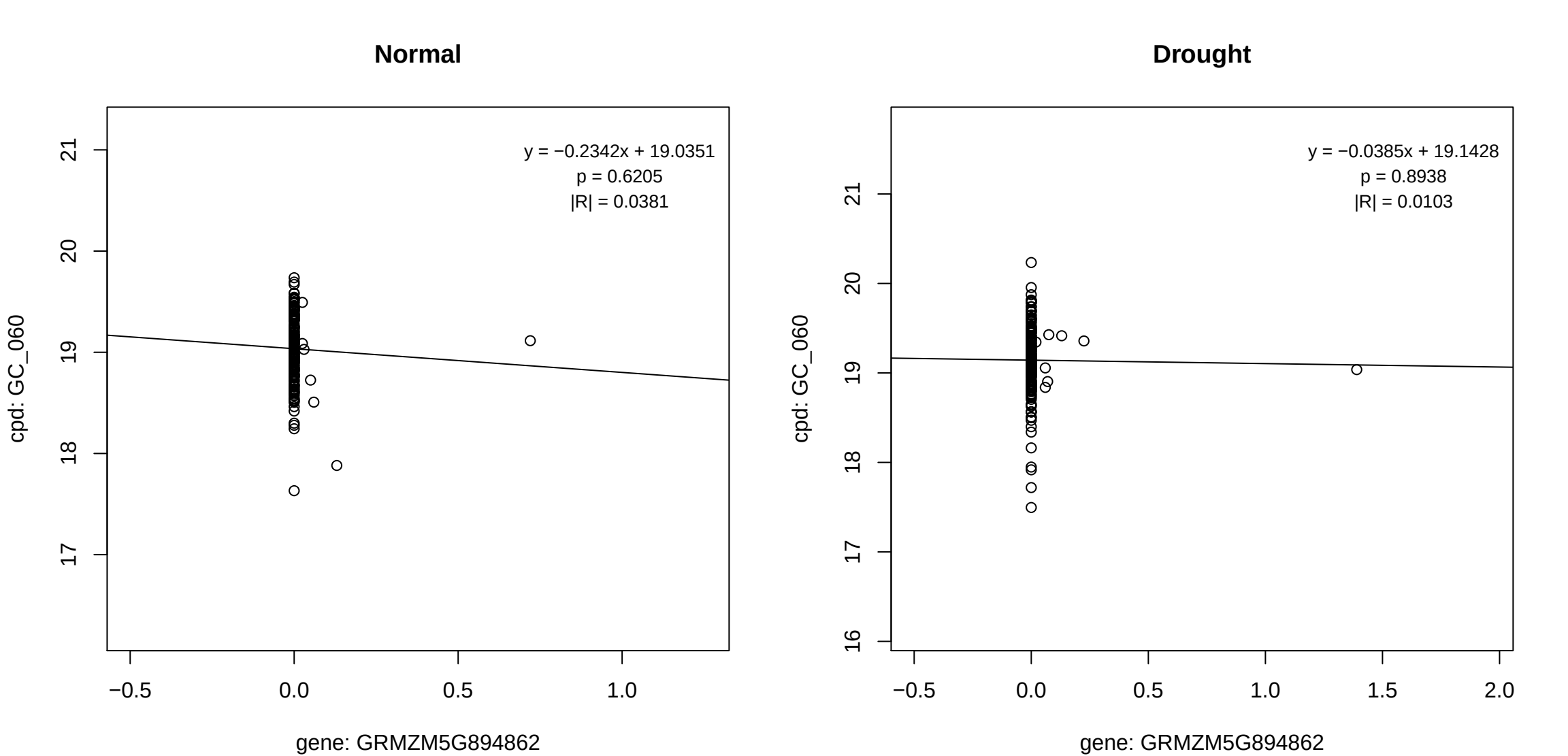

Normal
y = −0.0127x + 19.3408
p = 0.0183
|R| = 0.1803
cpd: GC_060
gene: GRMZM2G010054
Drought
y = −0.0129x + 19.4399
p = 0.0857
|R| = 0.1318
cpd: GC_060
gene: GRMZM2G010054

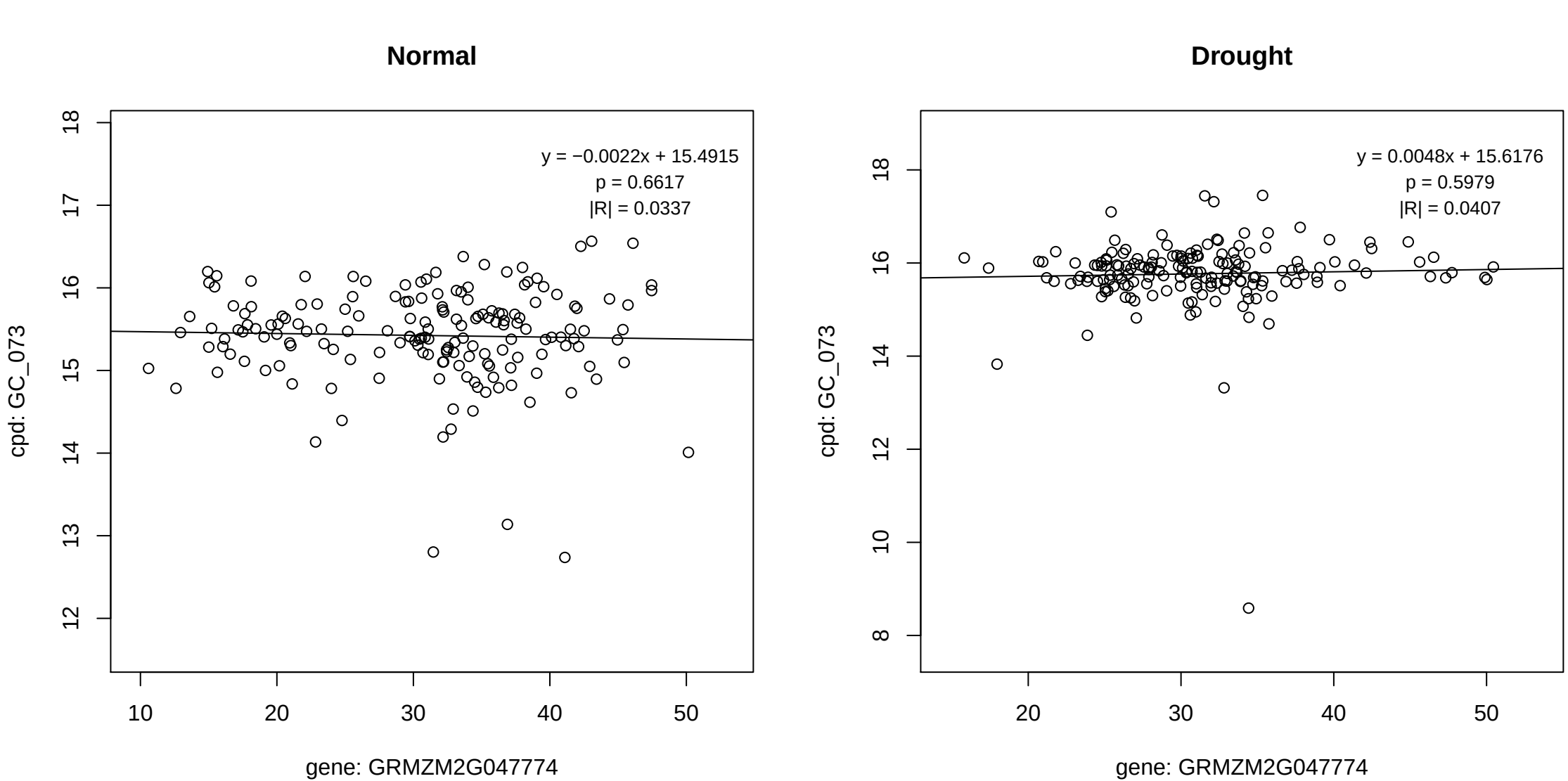

Normal
y = 5e−04x + 19.0093
p = 0.6611
|R| = 0.0338
cpd: GC_060
gene: GRMZM5G800853
Drought
y = 0.0029x + 19.0217
p = 0.3726
|R| = 0.0686
cpd: GC_060
gene: GRMZM5G800853

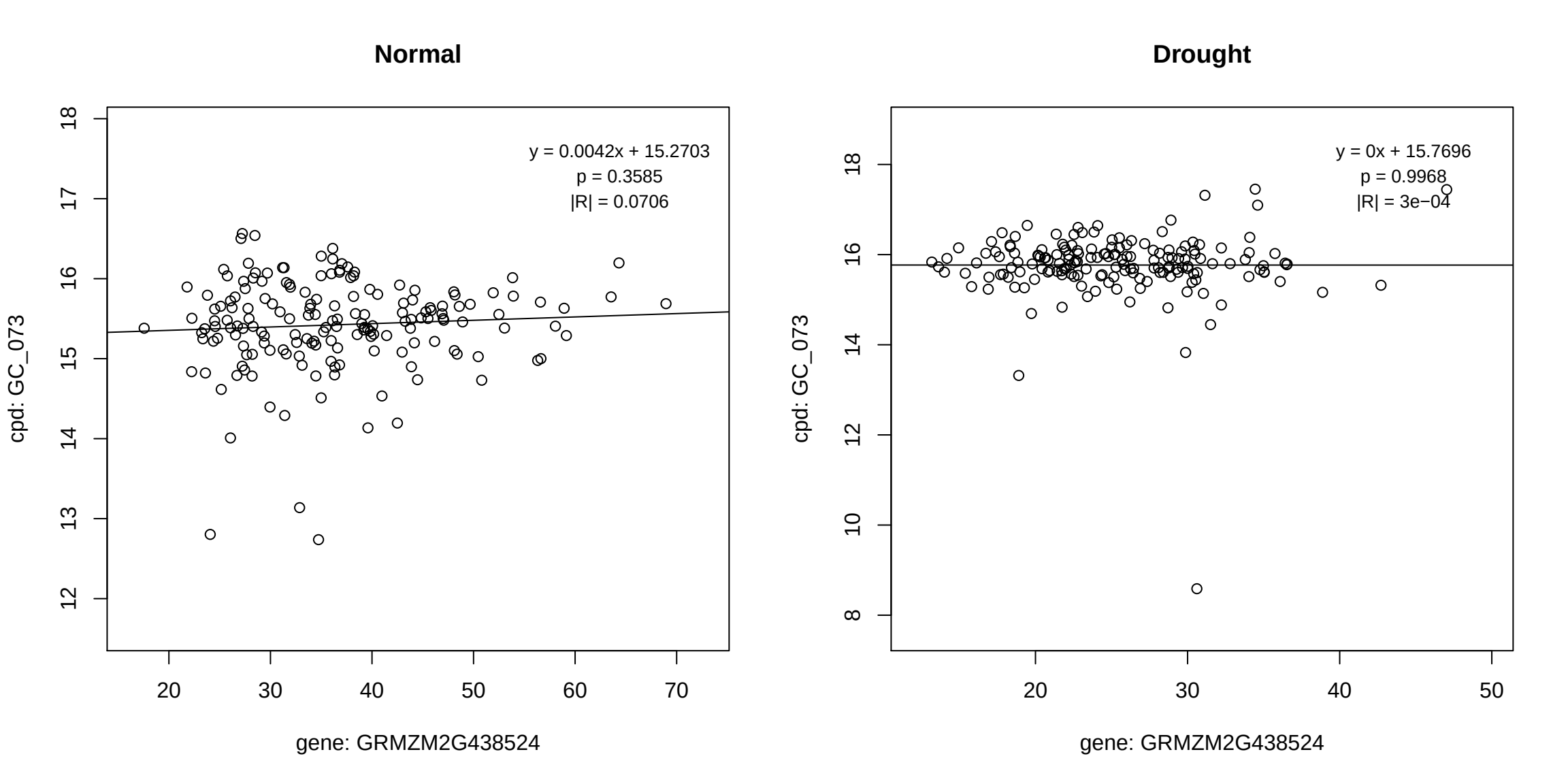

Normal
y = 0.005x + 19.0306
p = 0.6806
|R| = 0.0317
cpd: GC_060
gene: GRMZM2G009442
Drought
y = 0.0192x + 19.124
p = 0.0494
|R| = 0.1505
cpd: GC_060
gene: GRMZM2G009442

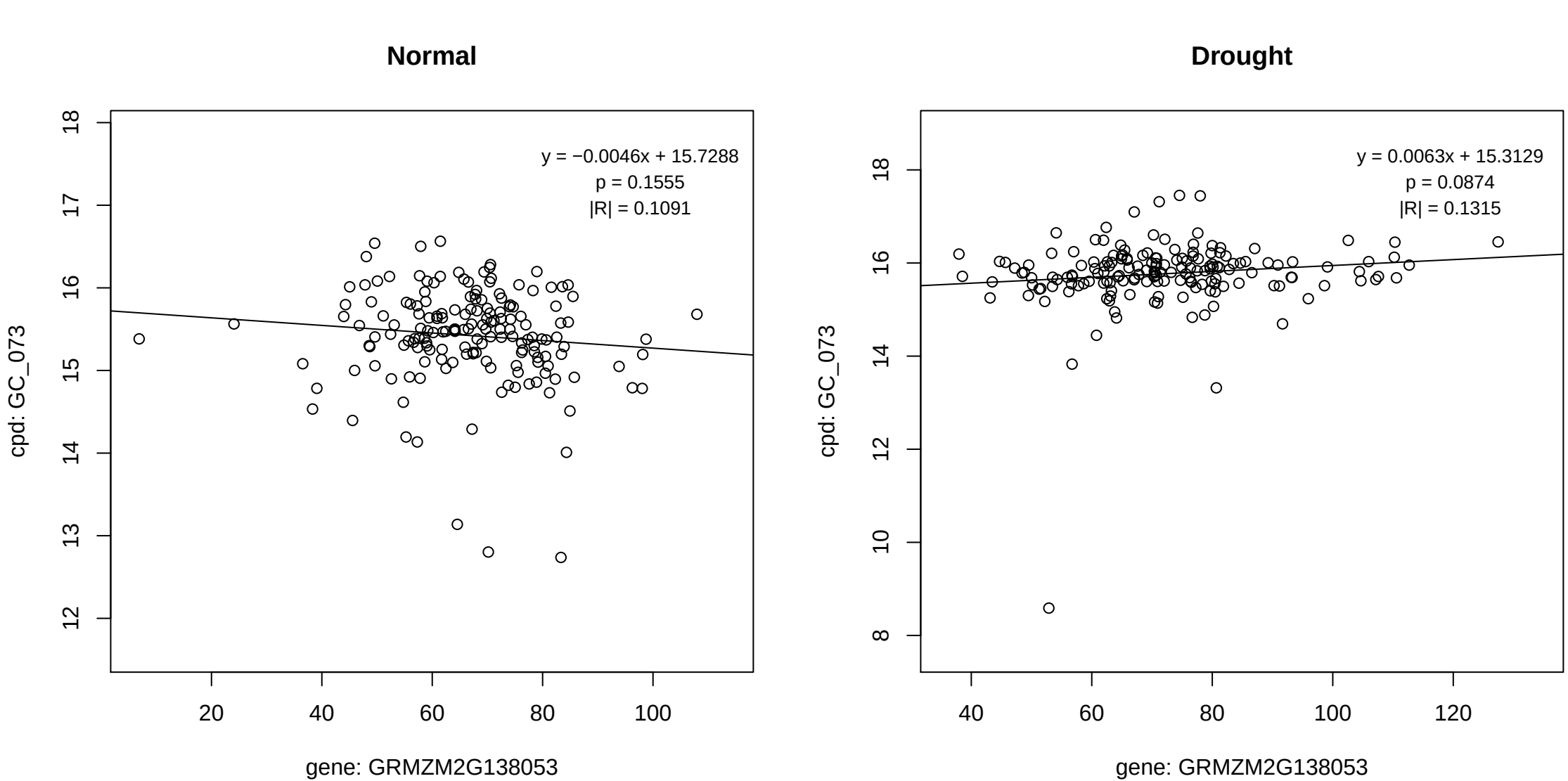

Normal
y = −0.0438x + 19.1699
p = 0.1136
|R| = 0.1214
cpd: GC_060
gene: GRMZM5G814549
Drought
y = 0.0023x + 19.1352
p = 0.9519
|R| = 0.0046
cpd: GC_060
gene: GRMZM5G814549

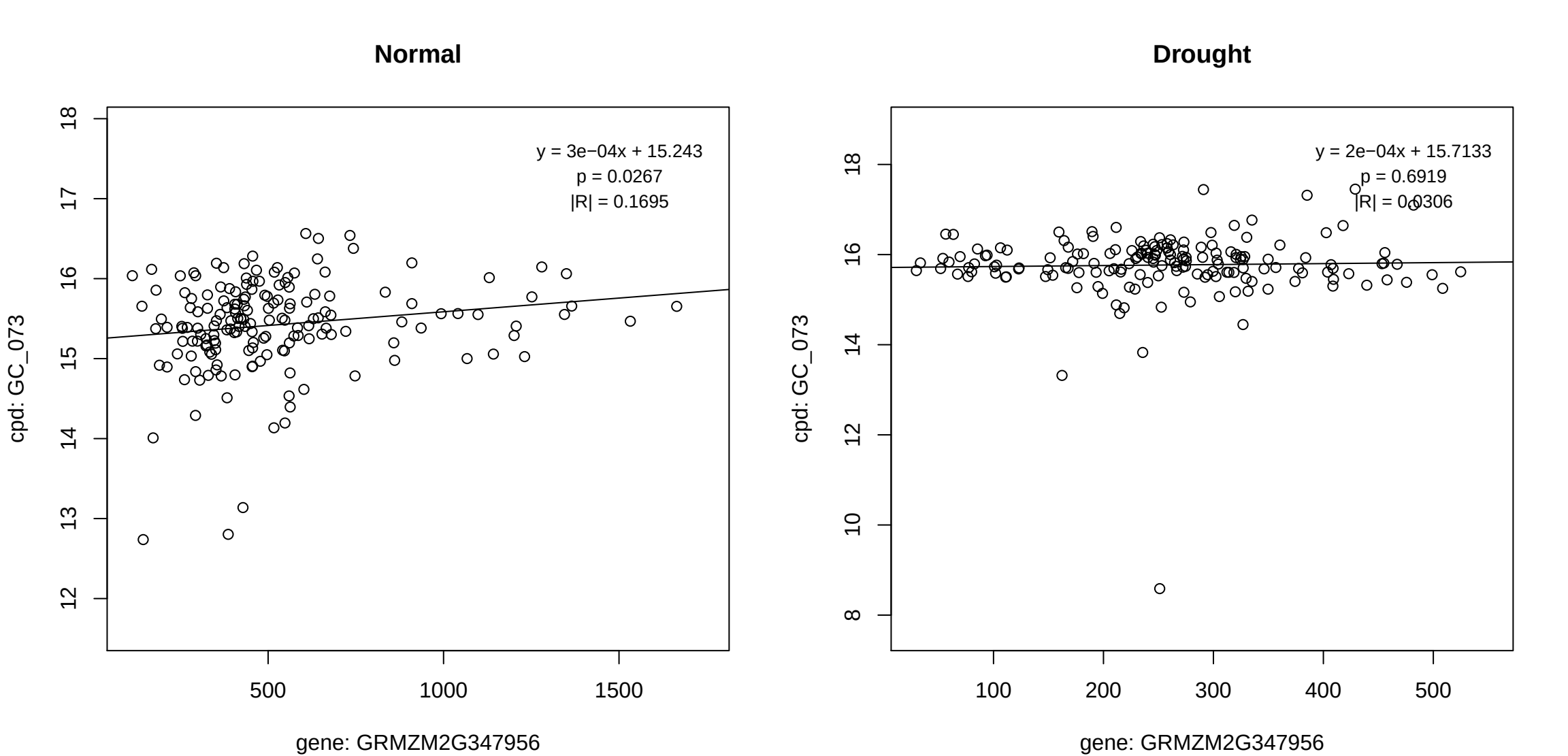

Normal
y = 0.5088x + 19.0244
p = 0.2285
|R| = 0.0926
cpd: GC_060
gene: GRMZM5G899865
Drought
y = −0.1477x + 19.1536
p = 0.3366
|R| = 0.0739
cpd: GC_060
gene: GRMZM5G899865

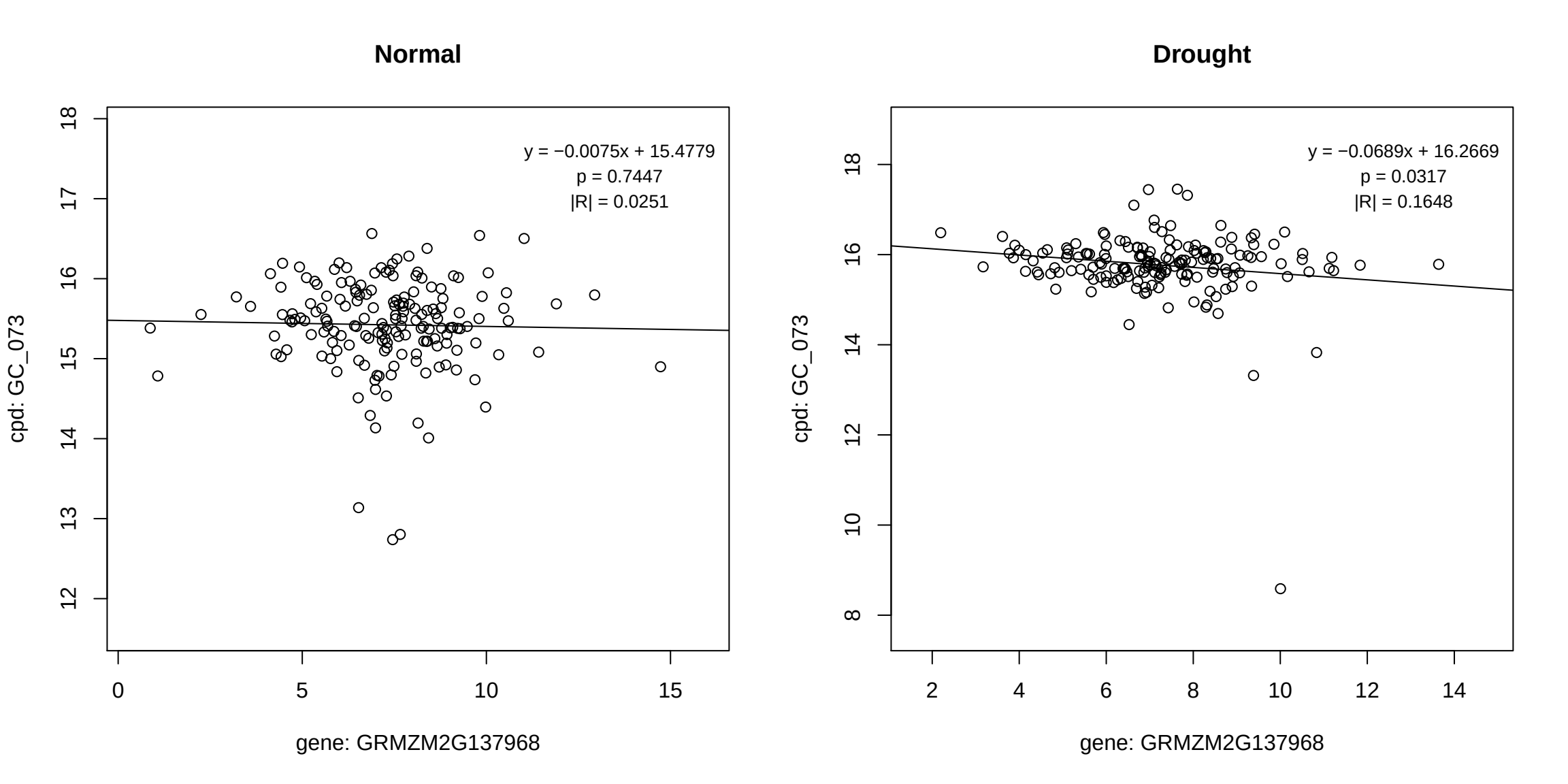

Normal
y = −0.2342x + 19.0351
p = 0.6205
|R| = 0.0381
cpd: GC_060
gene: GRMZM5G894862
Drought
y = −0.0385x + 19.1428
p = 0.8938
|R| = 0.0103
cpd: GC_060
gene: GRMZM5G894862

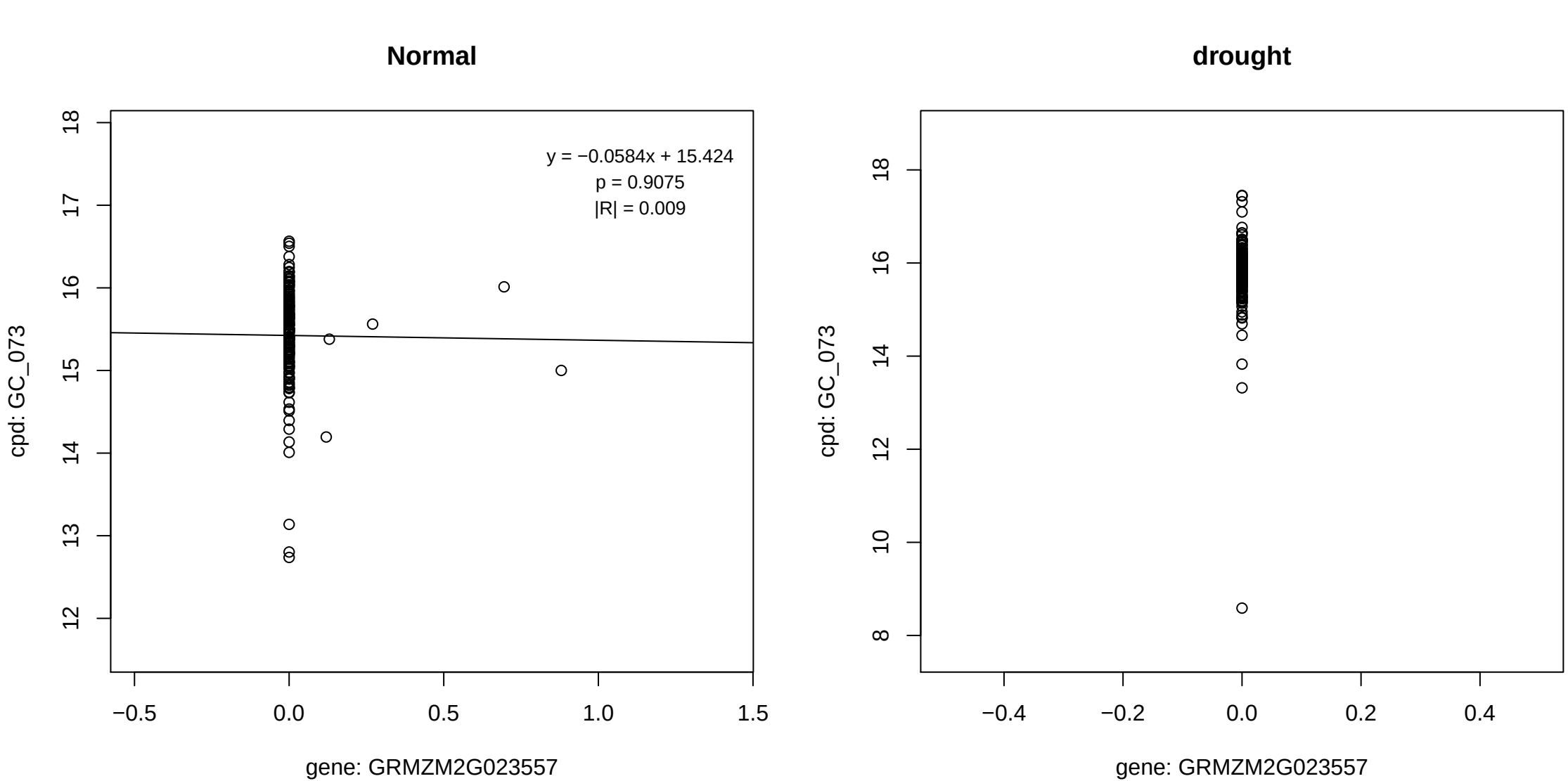

Normal
y = −0.0022x + 15.4915
p = 0.6617
|R| = 0.0337
cpd: GC_073
gene: GRMZM2G047774
Drought
y = 0.0048x + 15.6176
p = 0.5979
|R| = 0.0407
cpd: GC_073
gene: GRMZM2G047774

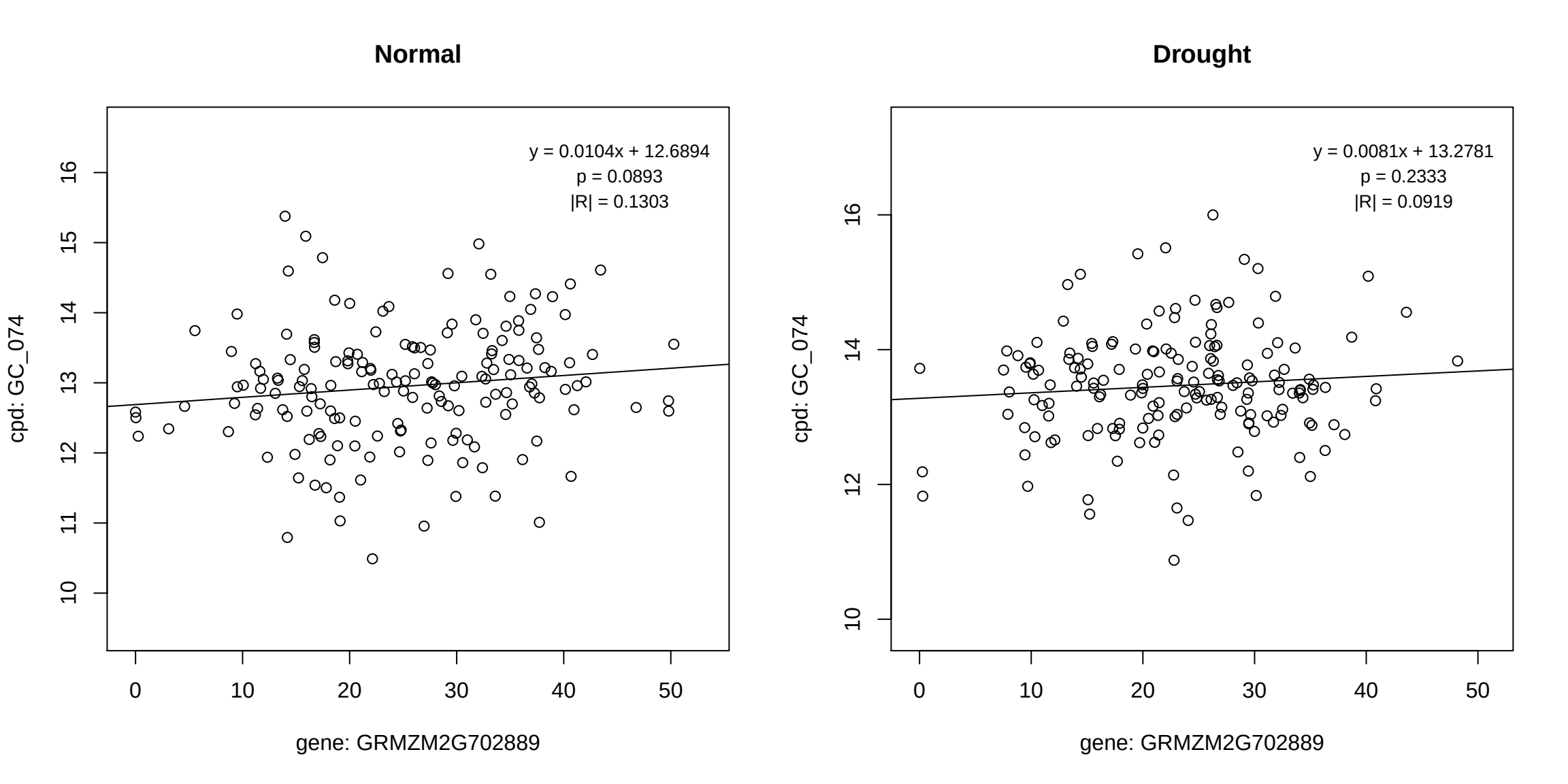

Normal
y = 0.0042x + 15.2703
p = 0.3585
|R| = 0.0706
cpd: GC_073
gene: GRMZM2G438524
Drought
y = 0x + 15.7696
p = 0.9968
|R| = 3e−04
cpd: GC_073
gene: GRMZM2G438524

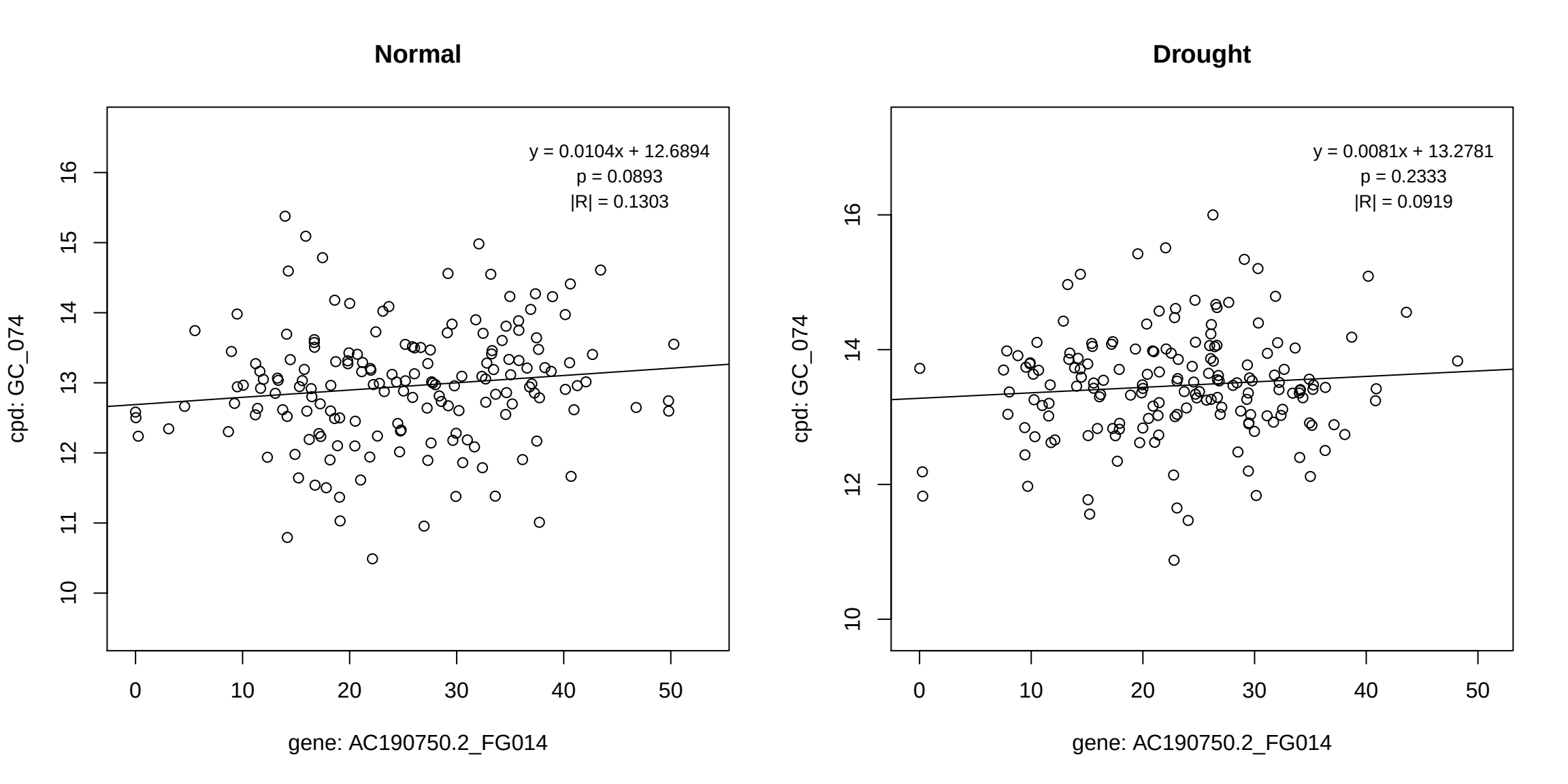

Normal
y = −0.0046x + 15.7288
p = 0.1555
|R| = 0.1091
cpd: GC_073
gene: GRMZM2G138053
Drought
y = 0.0063x + 15.3129
p = 0.0874
|R| = 0.1315
cpd: GC_073
gene: GRMZM2G138053

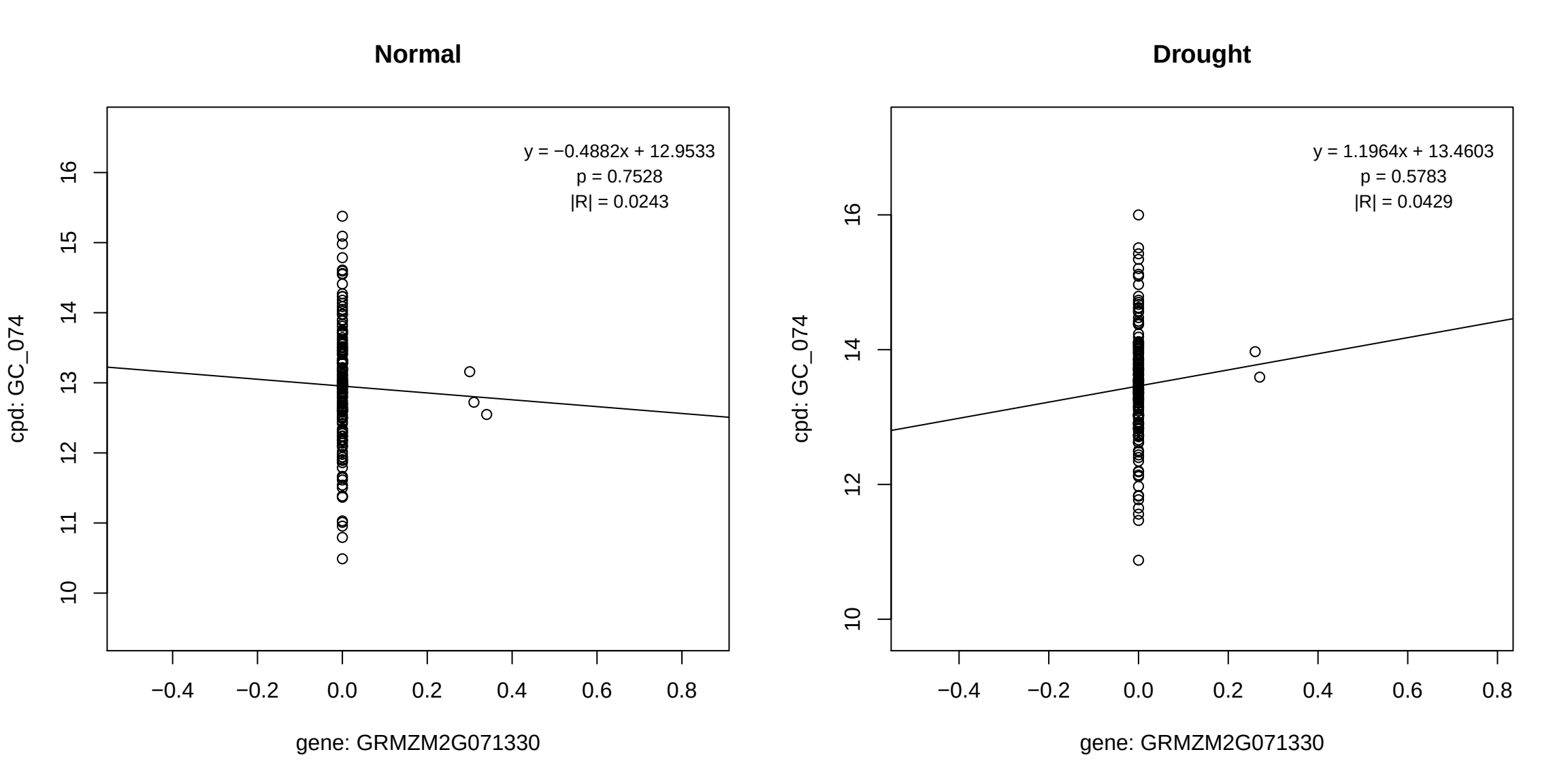

Normal
y = 3e−04x + 15.243
p = 0.0267
|R| = 0.1695
cpd: GC_073
gene: GRMZM2G347956
Drought
y = 2e−04x + 15.7133
p = 0.6919
|R| = 0.0306
cpd: GC_073
gene: GRMZM2G347956

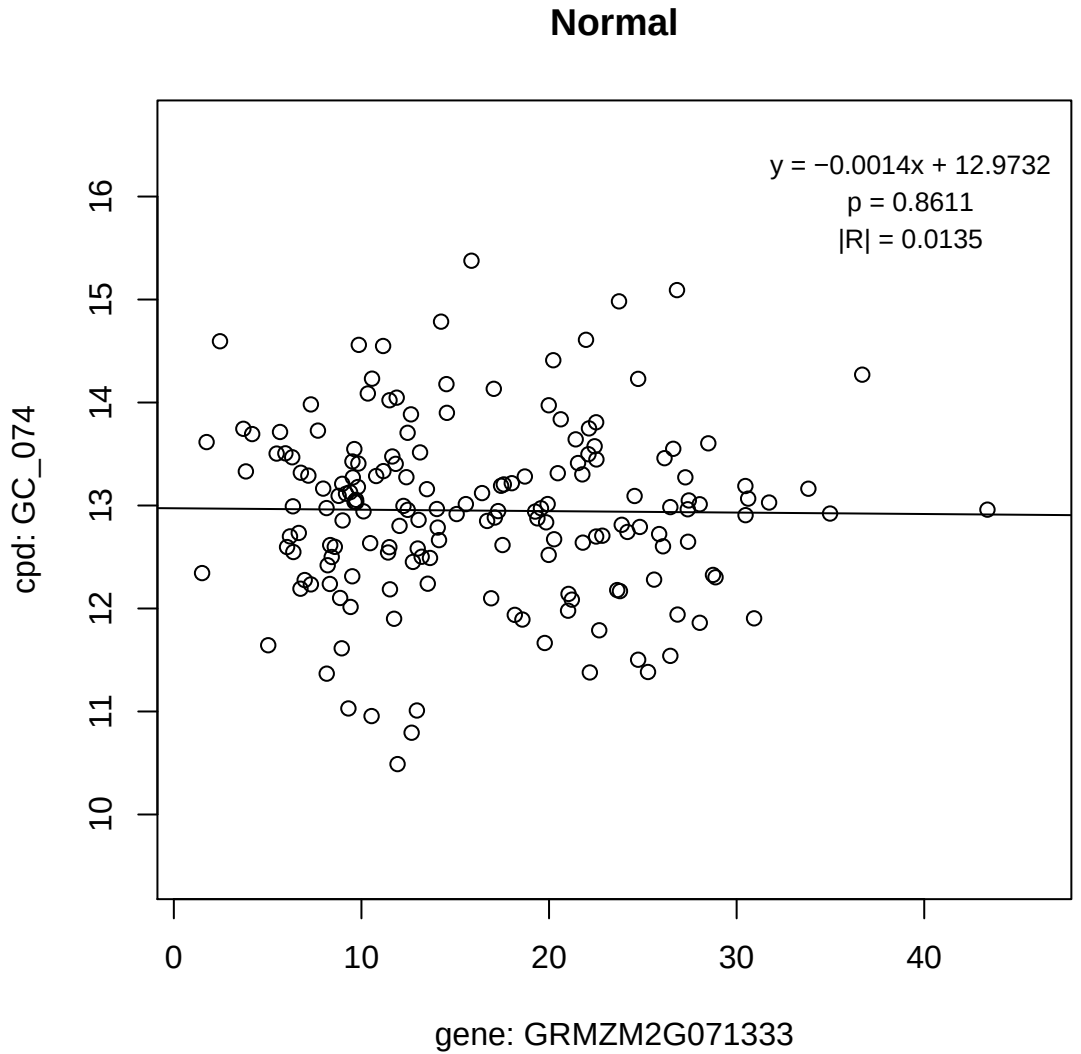

Normal
y = −0.0075x + 15.4779
p = 0.7447
|R| = 0.0251
cpd: GC_073
gene: GRMZM2G137968
Drought
y = −0.0689x + 16.2669
p = 0.0317
|R| = 0.1648
cpd: GC_073
gene: GRMZM2G137968

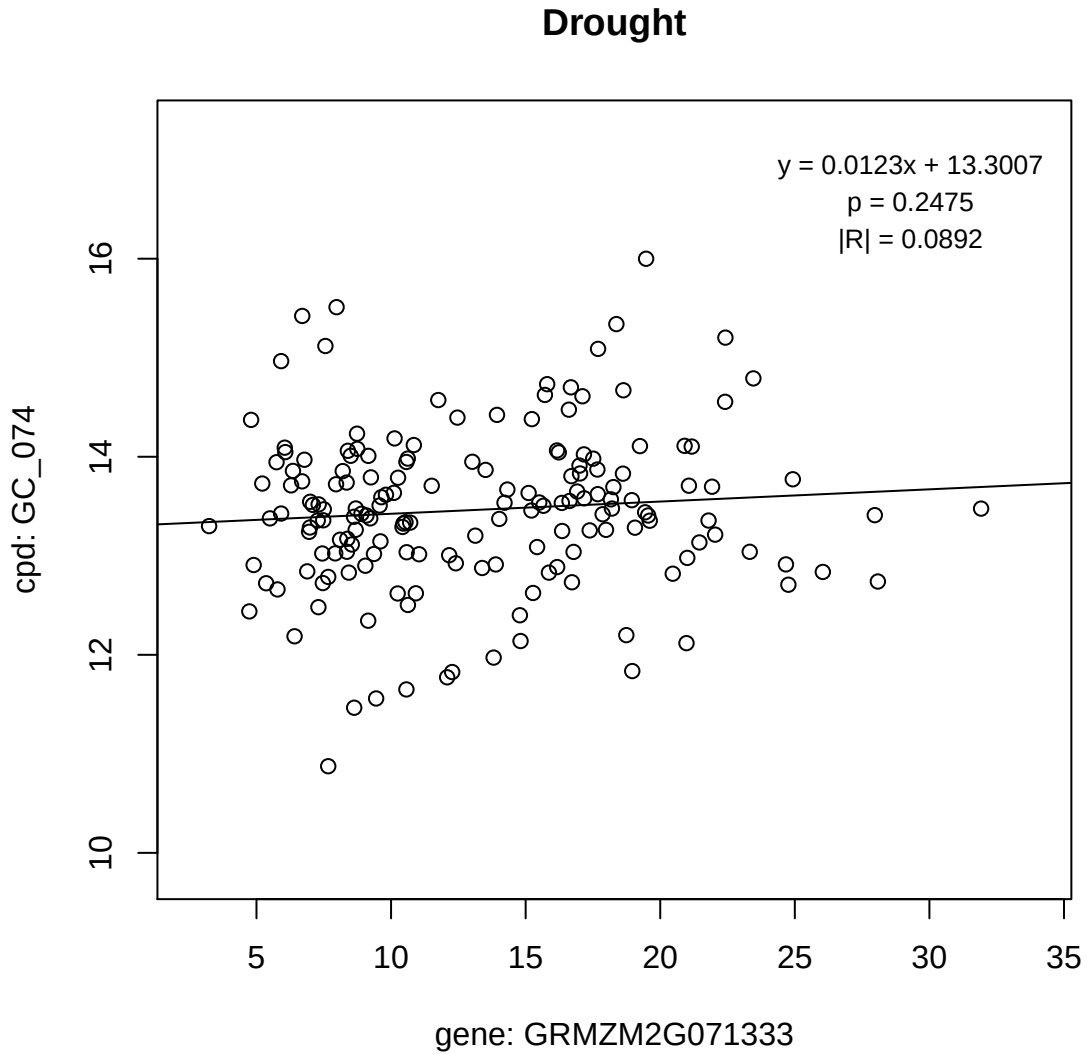

Normal
y = −0.0584x + 15.424
p = 0.9075
|R| = 0.009
cpd: GC_073
gene: GRMZM2G023557
drought
cpd: GC_073
gene: GRMZM2G023557

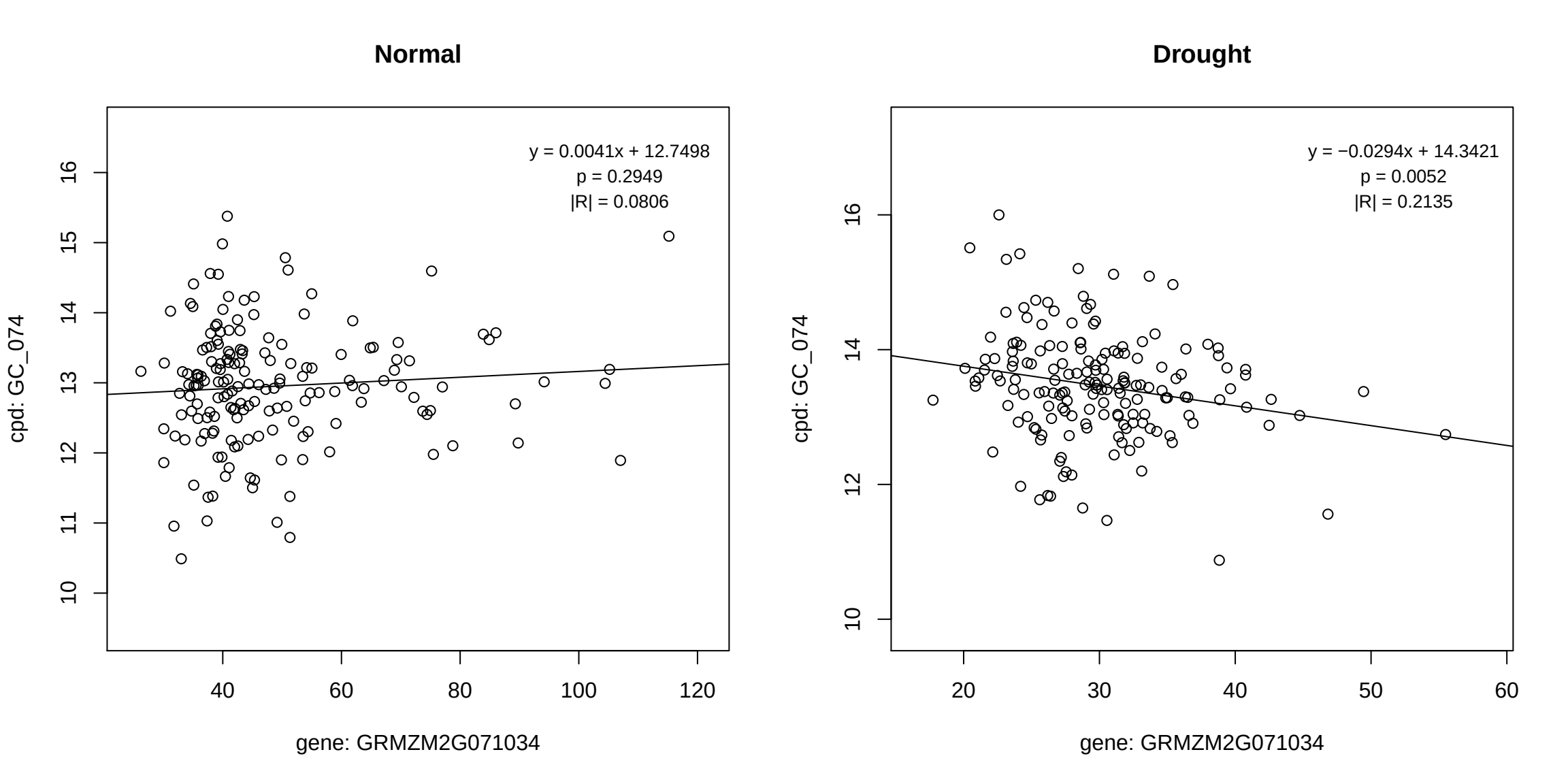

Normal
y = 0.0104x + 12.6894
p = 0.0893
|R| = 0.1303
cpd: GC_074
gene: GRMZM2G702889
Drought
y = 0.0081x + 13.2781
p = 0.2333
|R| = 0.0919
cpd: GC_074
gene: GRMZM2G702889

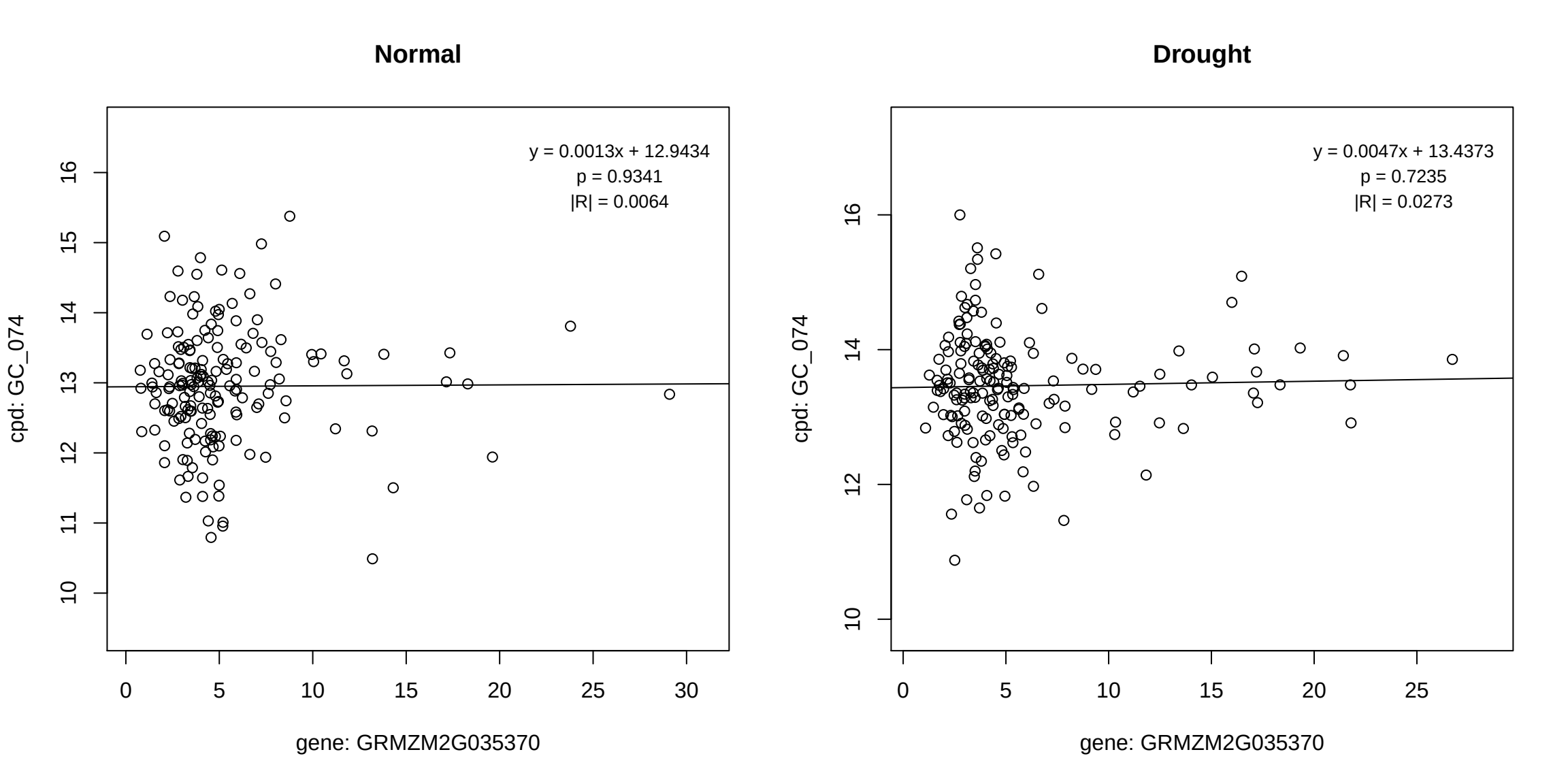

Normal
y = 0.0104x + 12.6894
p = 0.0893
|R| = 0.1303
cpd: GC_074
gene: AC190750.2_FG014
Drought
y = 0.0081x + 13.2781
p = 0.2333
|R| = 0.0919
cpd: GC_074
gene: AC190750.2_FG014

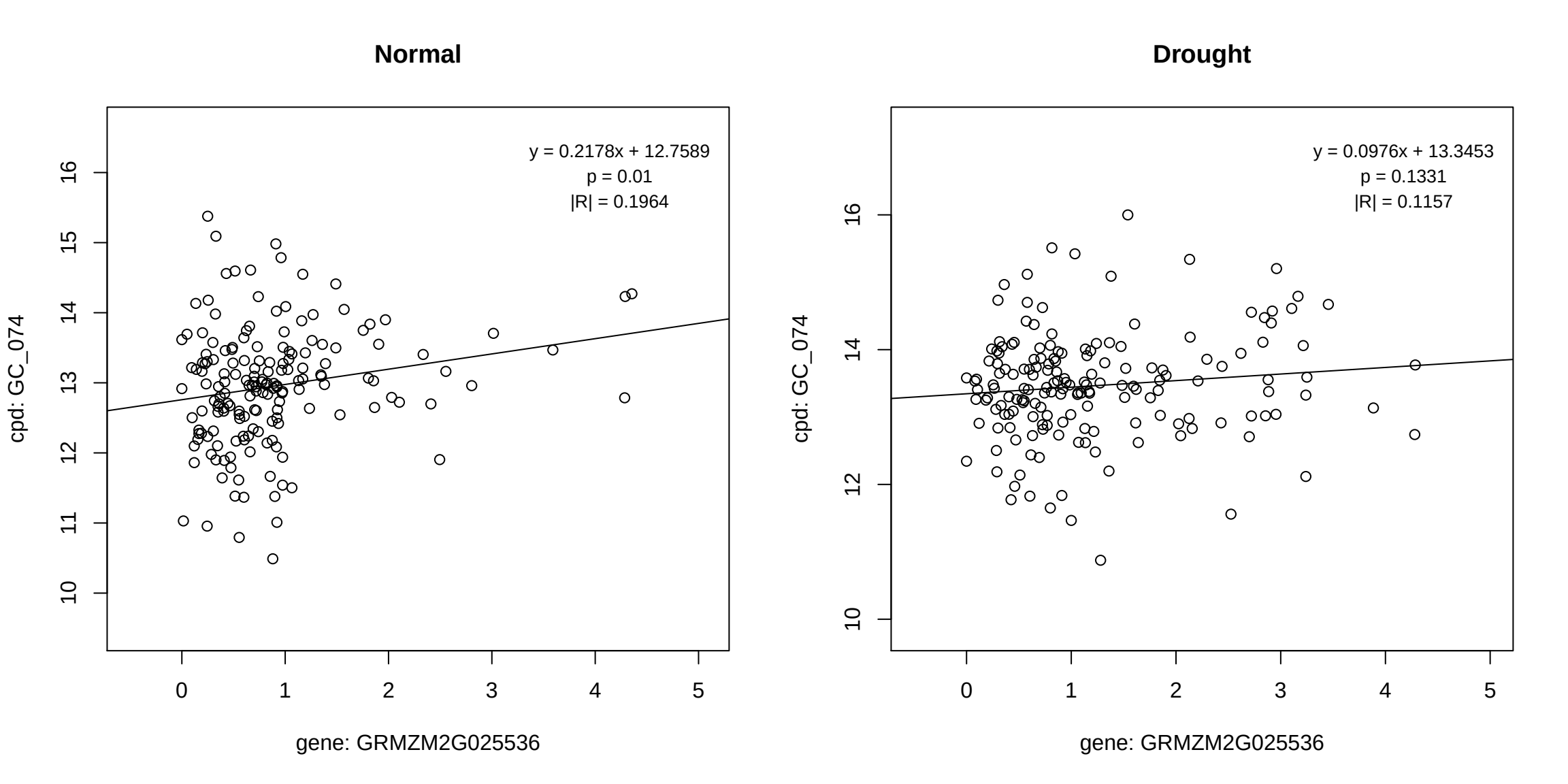

Normal
y = −0.4882x + 12.9533
p = 0.7528
|R| = 0.0243
cpd: GC_074
gene: GRMZM2G071330
Drought
y = 1.1964x + 13.4603
p = 0.5783
|R| = 0.0429
cpd: GC_074
gene: GRMZM2G071330

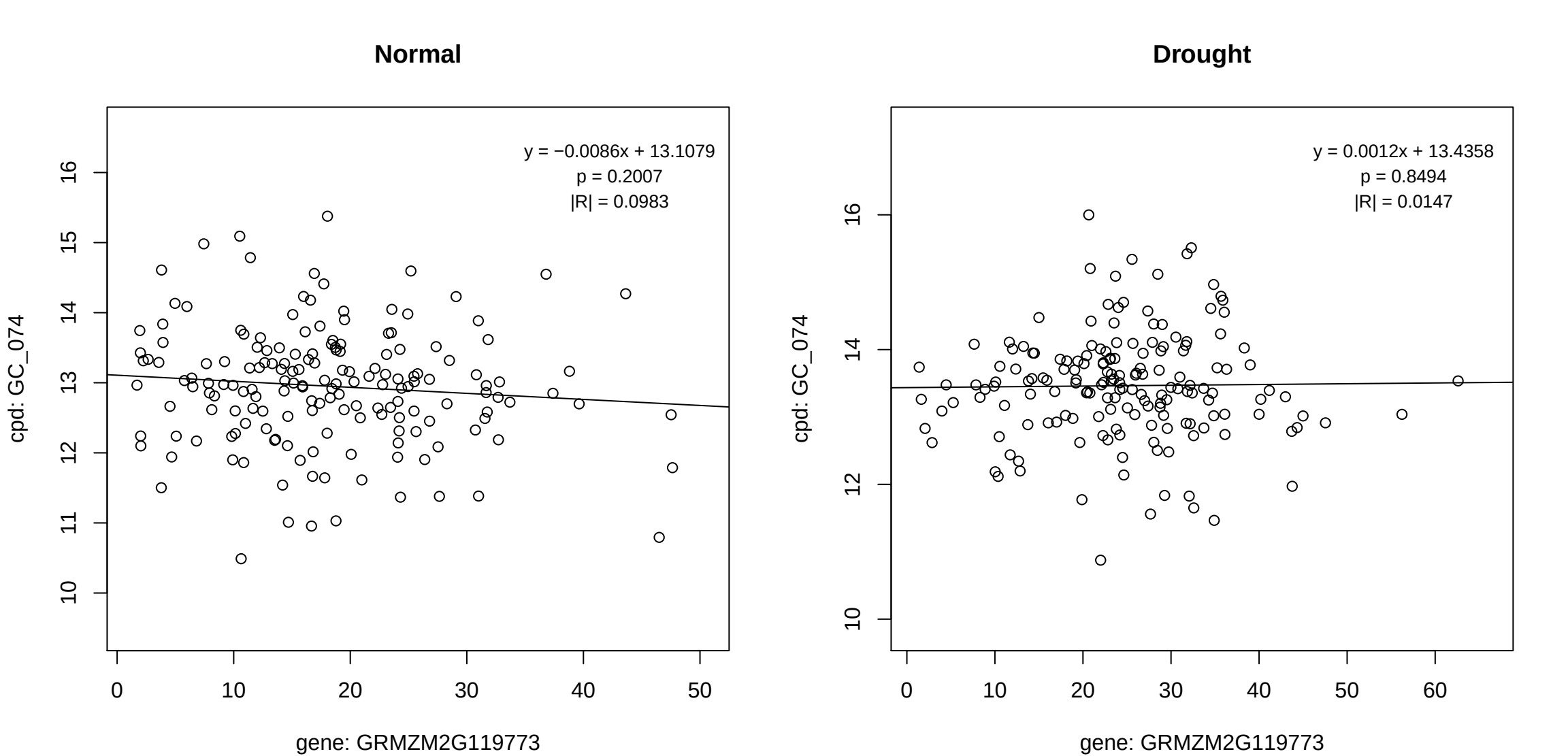

Normal
y = −0.0014x + 12.9732
p = 0.8611
|R| = 0.0135
cpd: GC_074
gene: GRMZM2G071333
10
11
12
13
14
15
16
0
10
20
30
40

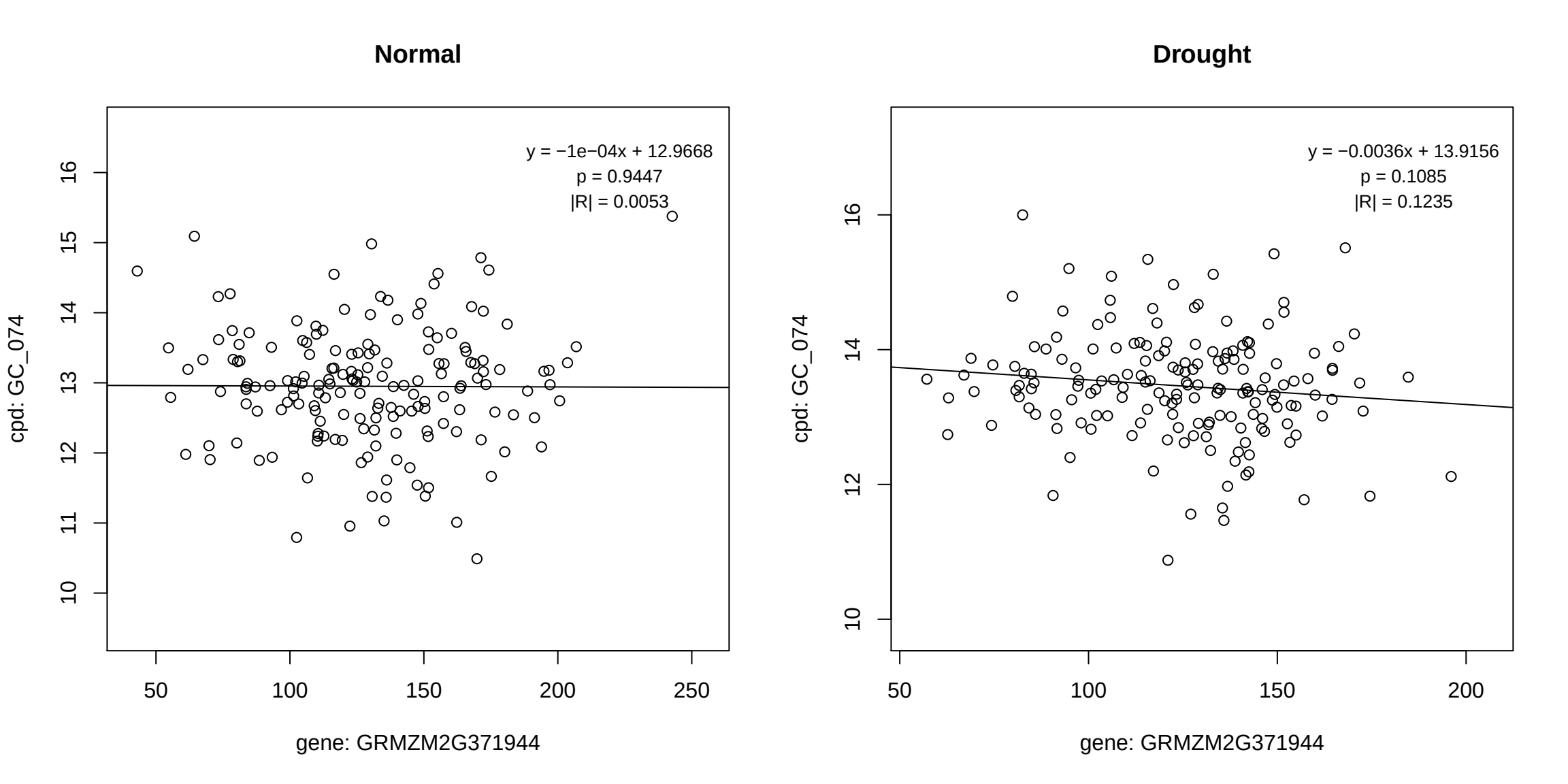

Drought
y = 0.0123x + 13.3007
p = 0.2475
|R| = 0.0892
cpd: GC_074
gene: GRMZM2G071333
10
12
14
16
5
10
15
20
25
30
35

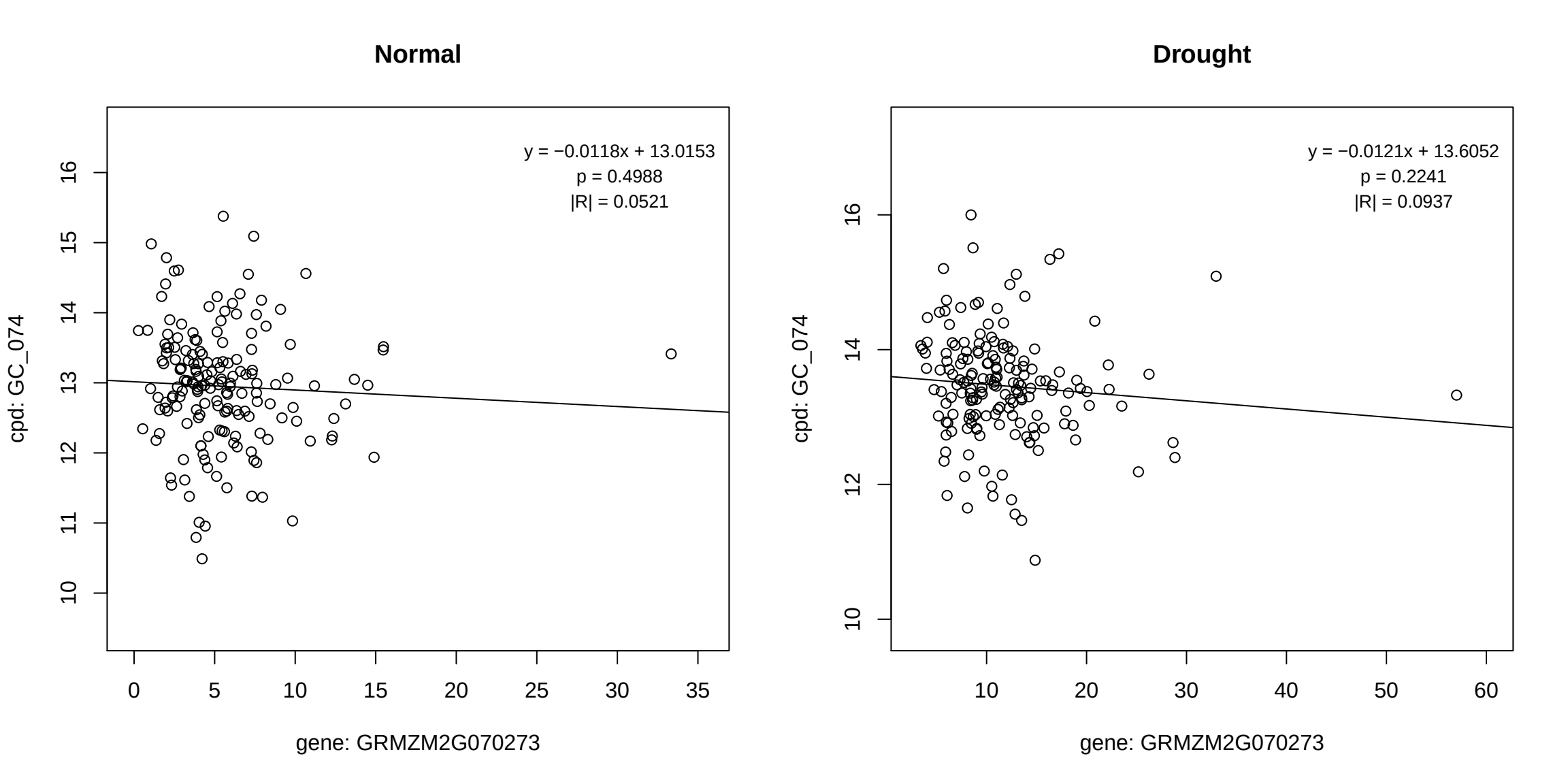

Normal
y = 0.0041x + 12.7498
p = 0.2949
|R| = 0.0806
cpd: GC_074
gene: GRMZM2G071034
Drought
y = −0.0294x + 14.3421
p = 0.0052
|R| = 0.2135
cpd: GC_074
gene: GRMZM2G071034

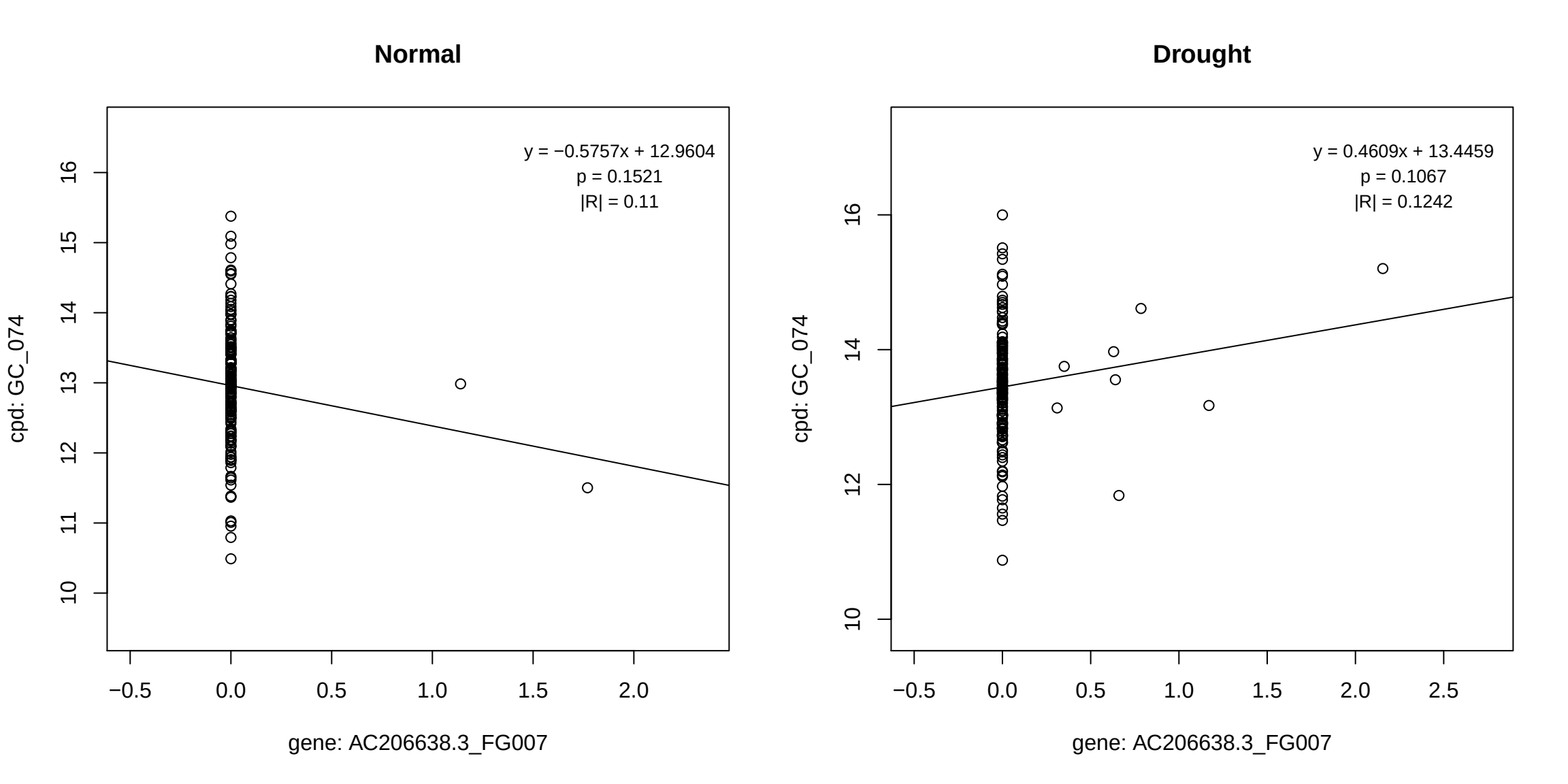

Normal
y = 0.0013x + 12.9434
p = 0.9341
|R| = 0.0064
cpd: GC_074
gene: GRMZM2G035370
Drought
y = 0.0047x + 13.4373
p = 0.7235
|R| = 0.0273
cpd: GC_074
gene: GRMZM2G035370

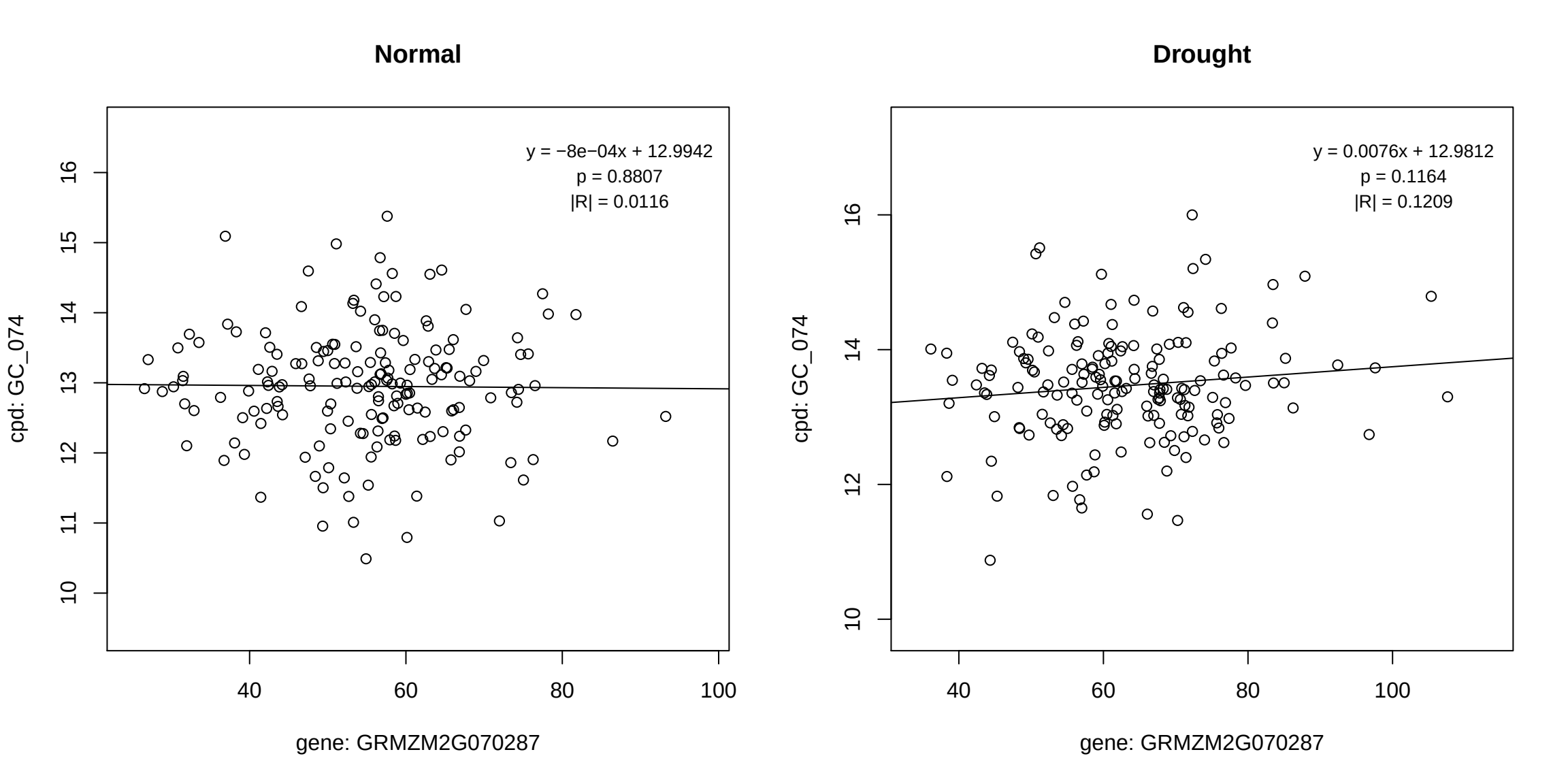

Normal
y = 0.2178x + 12.7589
p = 0.01
|R| = 0.1964
cpd: GC_074
gene: GRMZM2G025536
Drought
y = 0.0976x + 13.3453
p = 0.1331
|R| = 0.1157
cpd: GC_074
gene: GRMZM2G025536

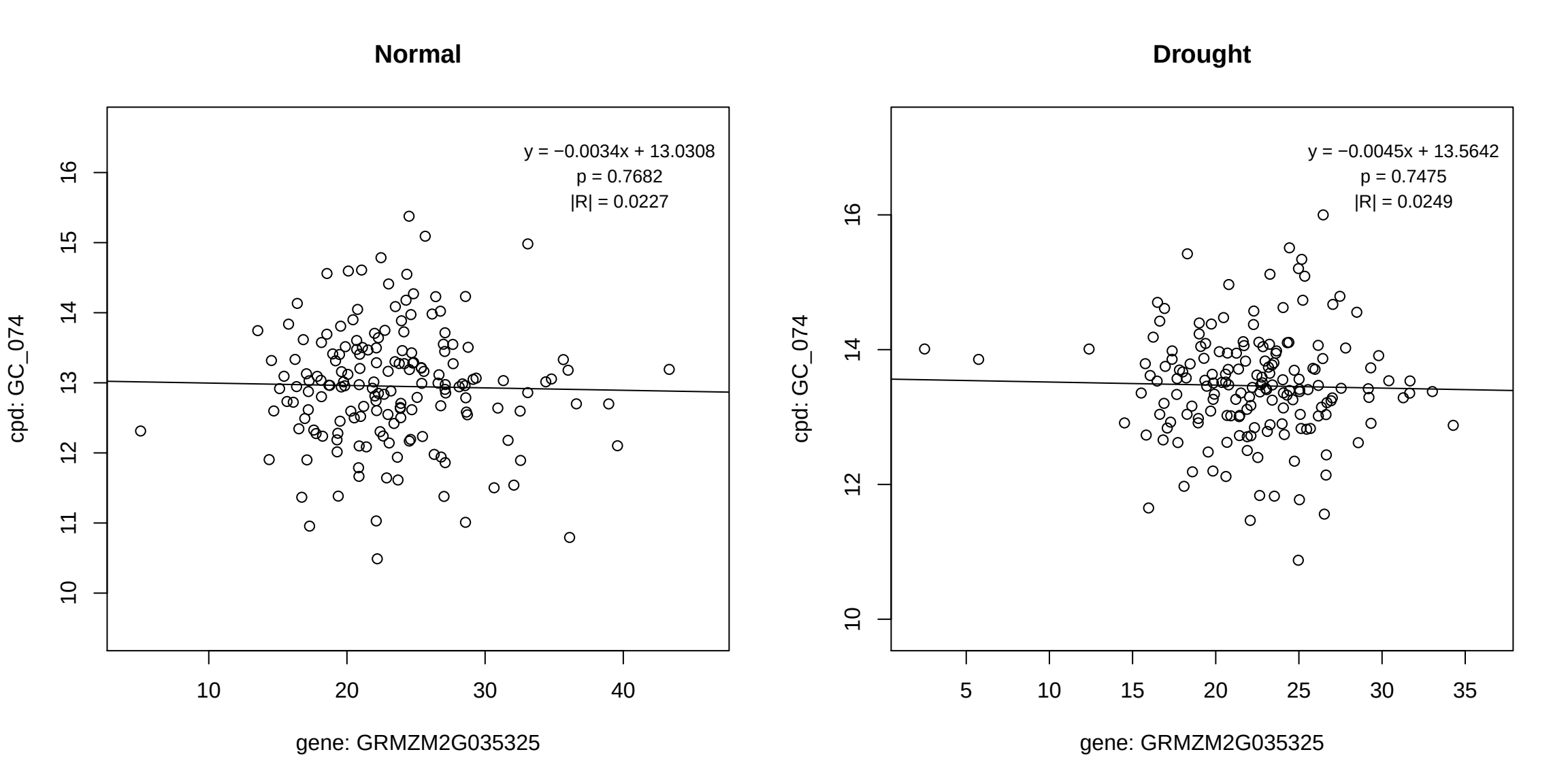

Normal
y = −0.0086x + 13.1079
p = 0.2007
|R| = 0.0983
cpd: GC_074
gene: GRMZM2G119773
Drought
y = 0.0012x + 13.4358
p = 0.8494
|R| = 0.0147
cpd: GC_074
gene: GRMZM2G119773

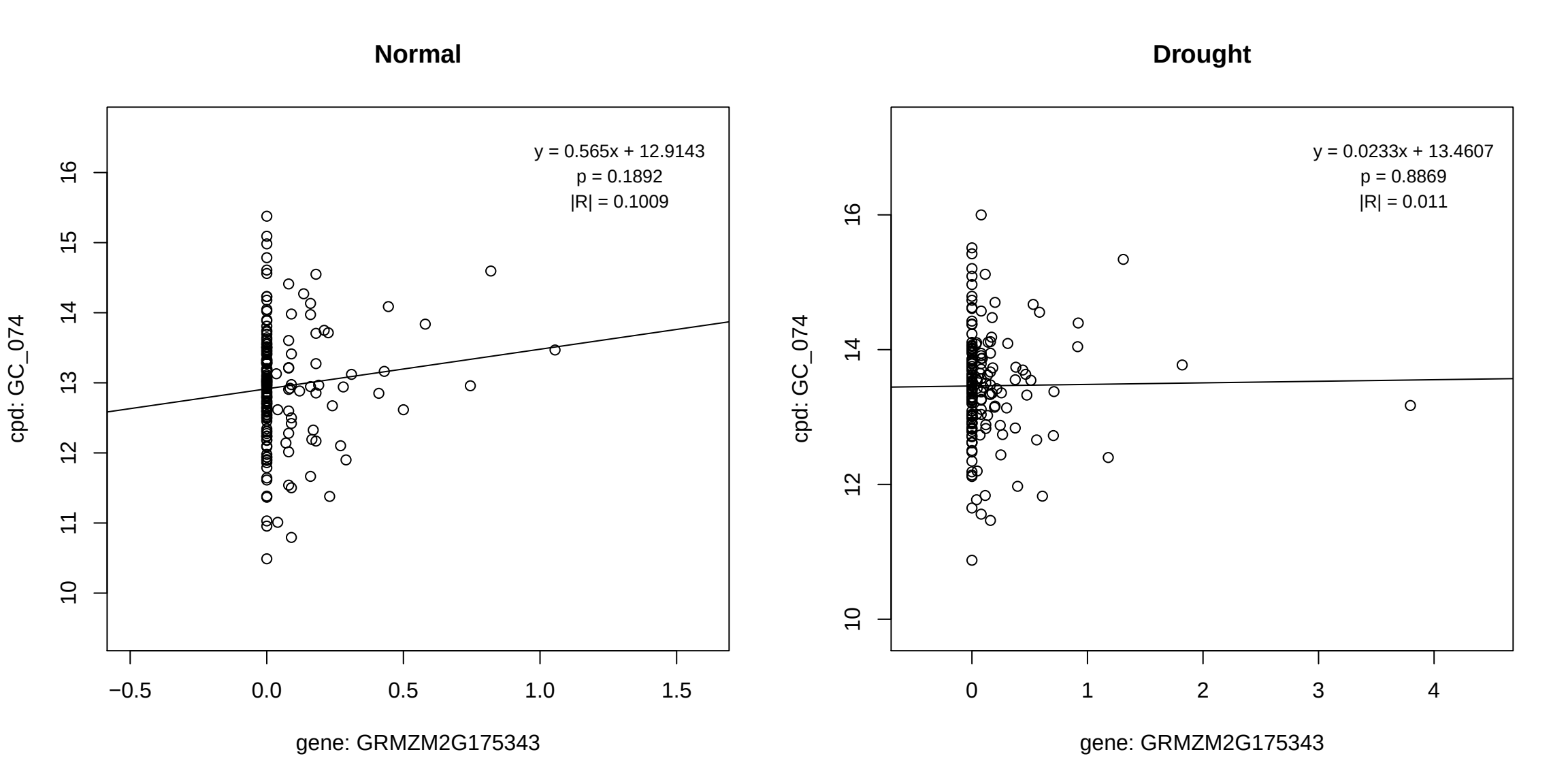

Normal
y = −1e−04x + 12.9668
p = 0.9447
|R| = 0.0053
cpd: GC_074
gene: GRMZM2G371944
Drought
y = −0.0036x + 13.9156
p = 0.1085
|R| = 0.1235
cpd: GC_074
gene: GRMZM2G371944

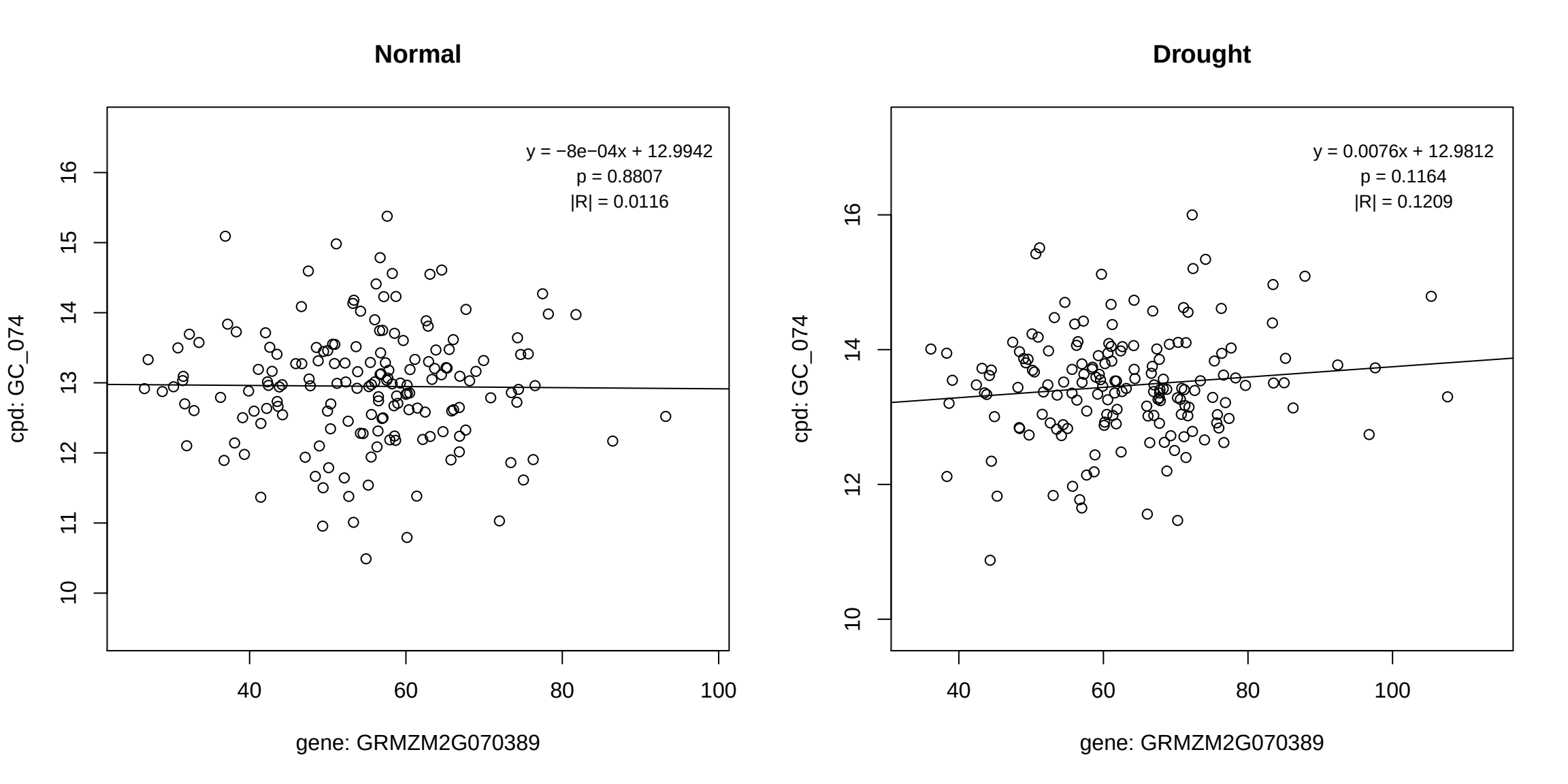

Normal
y = −0.0118x + 13.0153
p = 0.4988
|R| = 0.0521
cpd: GC_074
gene: GRMZM2G070273
Drought
y = −0.0121x + 13.6052
p = 0.2241
|R| = 0.0937
cpd: GC_074
gene: GRMZM2G070273

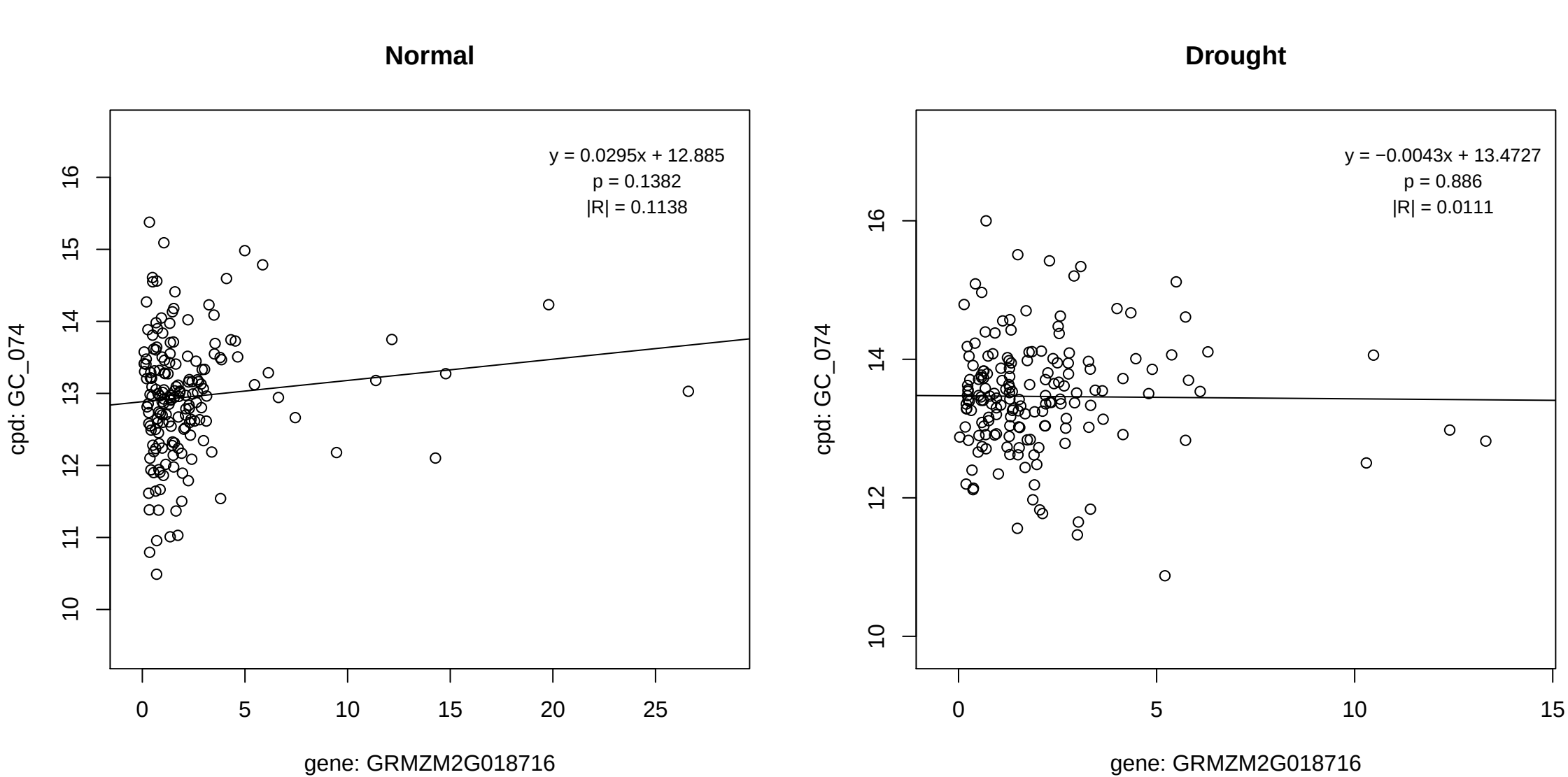

Normal
y = −0.5757x + 12.9604
p = 0.1521
|R| = 0.11
cpd: GC_074
gene: AC206638.3_FG007
Drought
y = 0.4609x + 13.4459
p = 0.1067
|R| = 0.1242
cpd: GC_074
gene: AC206638.3_FG007

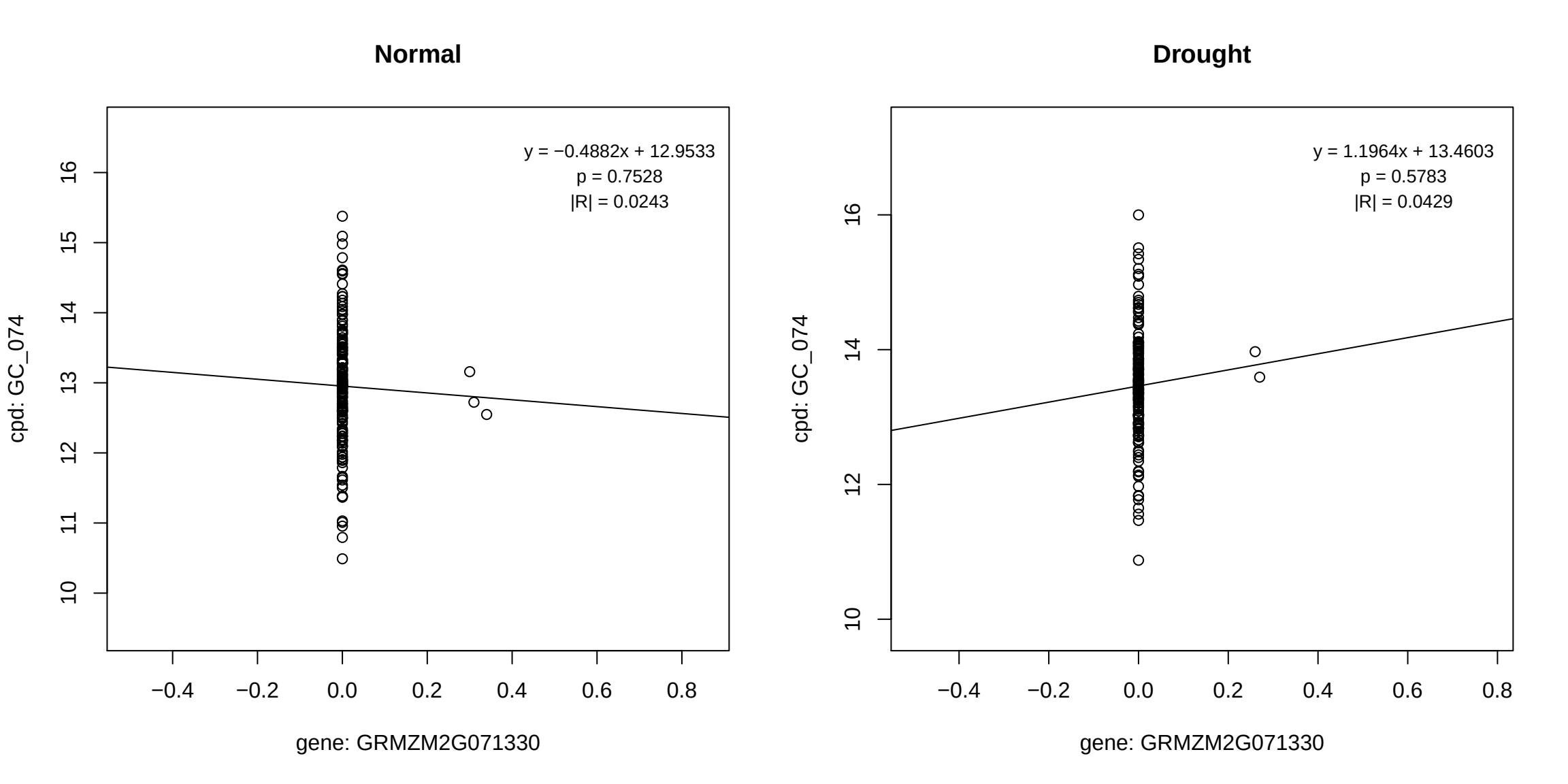

Normal
y = −8e−04x + 12.9942
p = 0.8807
|R| = 0.0116
cpd: GC_074
gene: GRMZM2G070287
Drought
y = 0.0076x + 12.9812
p = 0.1164
|R| = 0.1209
cpd: GC_074
gene: GRMZM2G070287

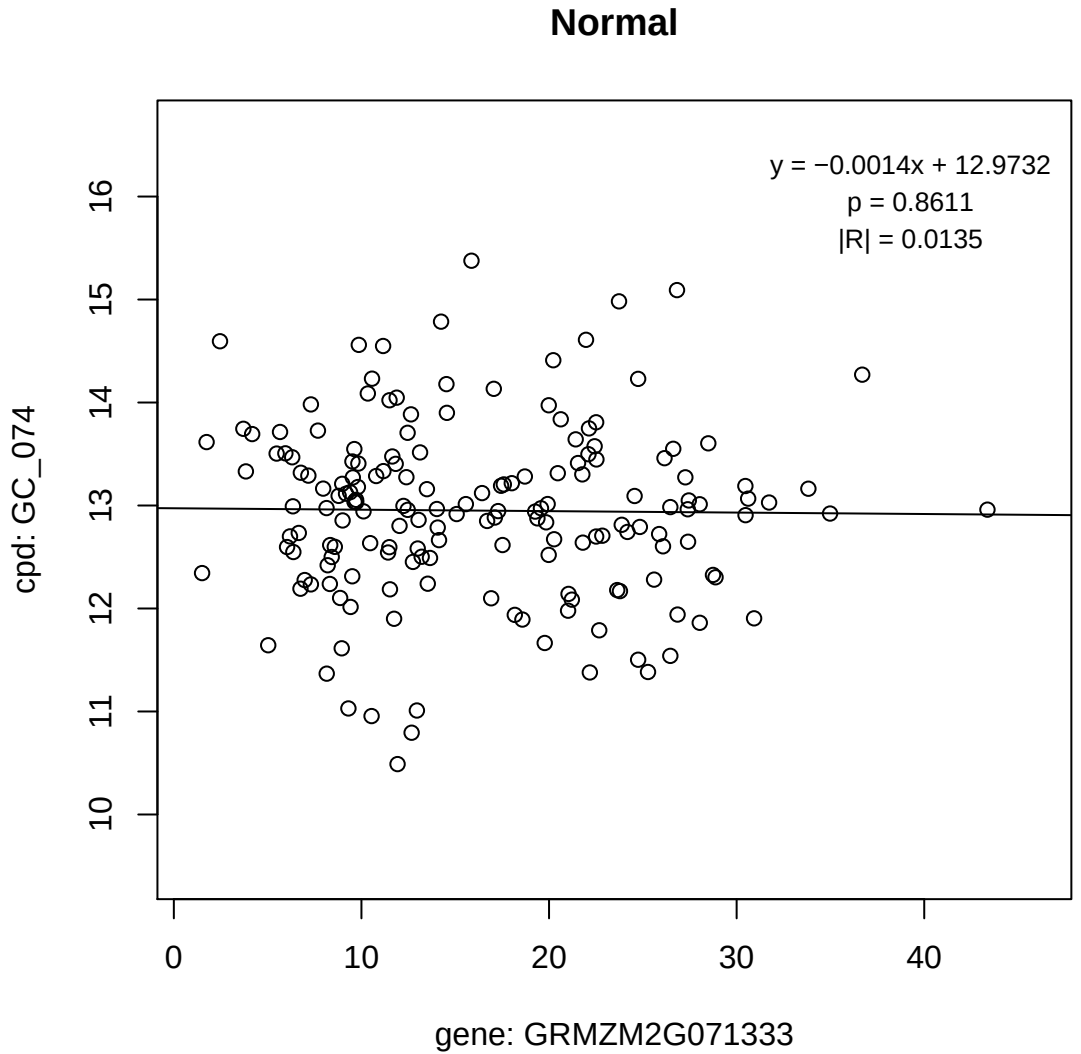

Normal
y = −0.0034x + 13.0308
p = 0.7682
|R| = 0.0227
cpd: GC_074
gene: GRMZM2G035325
Drought
y = −0.0045x + 13.5642
p = 0.7475
|R| = 0.0249
cpd: GC_074
gene: GRMZM2G035325

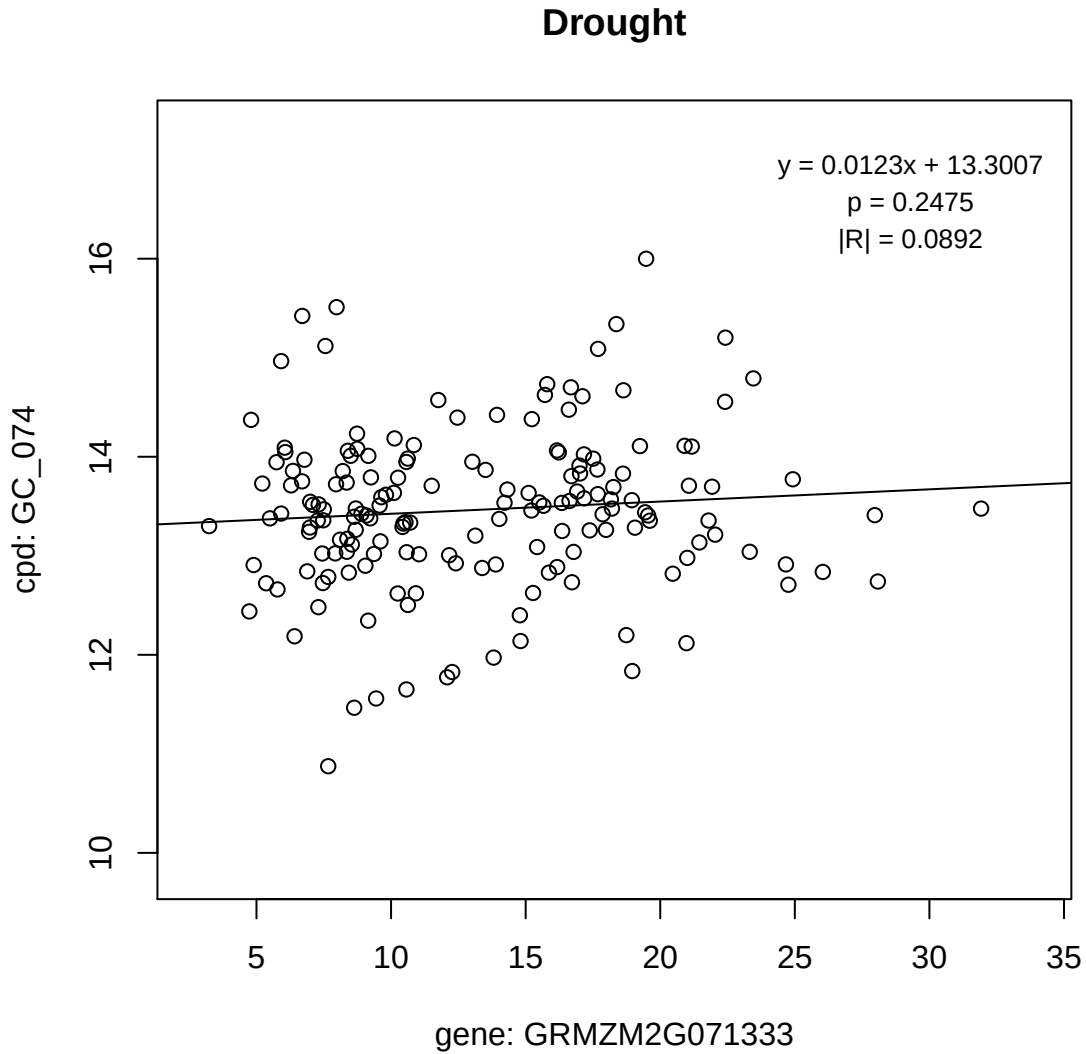

Normal
y = 0.565x + 12.9143
p = 0.1892
|R| = 0.1009
cpd: GC_074
gene: GRMZM2G175343
Drought
y = 0.0233x + 13.4607
p = 0.8869
|R| = 0.011
cpd: GC_074
gene: GRMZM2G175343

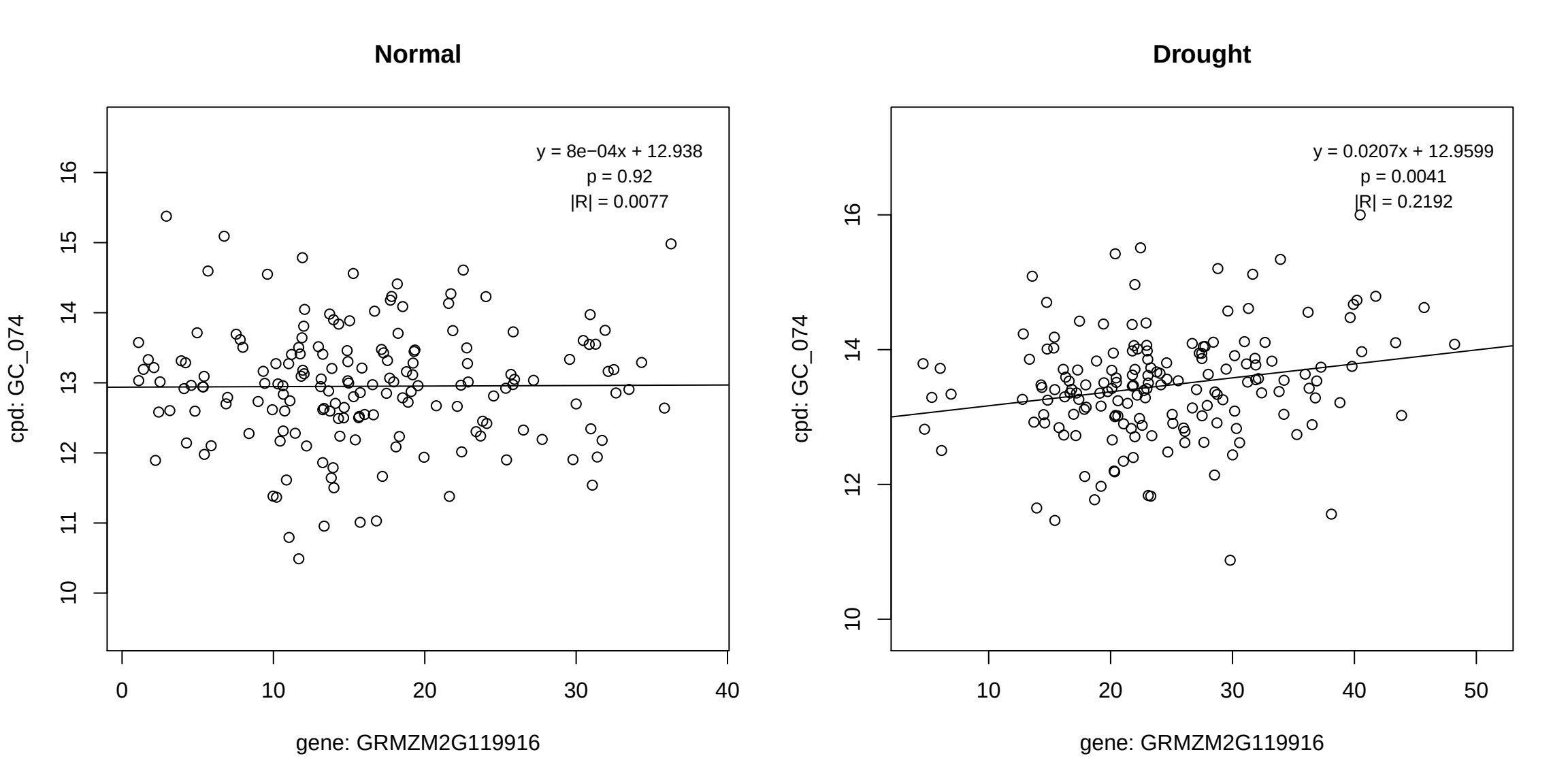

Normal
y = −8e−04x + 12.9942
p = 0.8807
|R| = 0.0116
cpd: GC_074
gene: GRMZM2G070389
Drought
y = 0.0076x + 12.9812
p = 0.1164
|R| = 0.1209
cpd: GC_074
gene: GRMZM2G070389

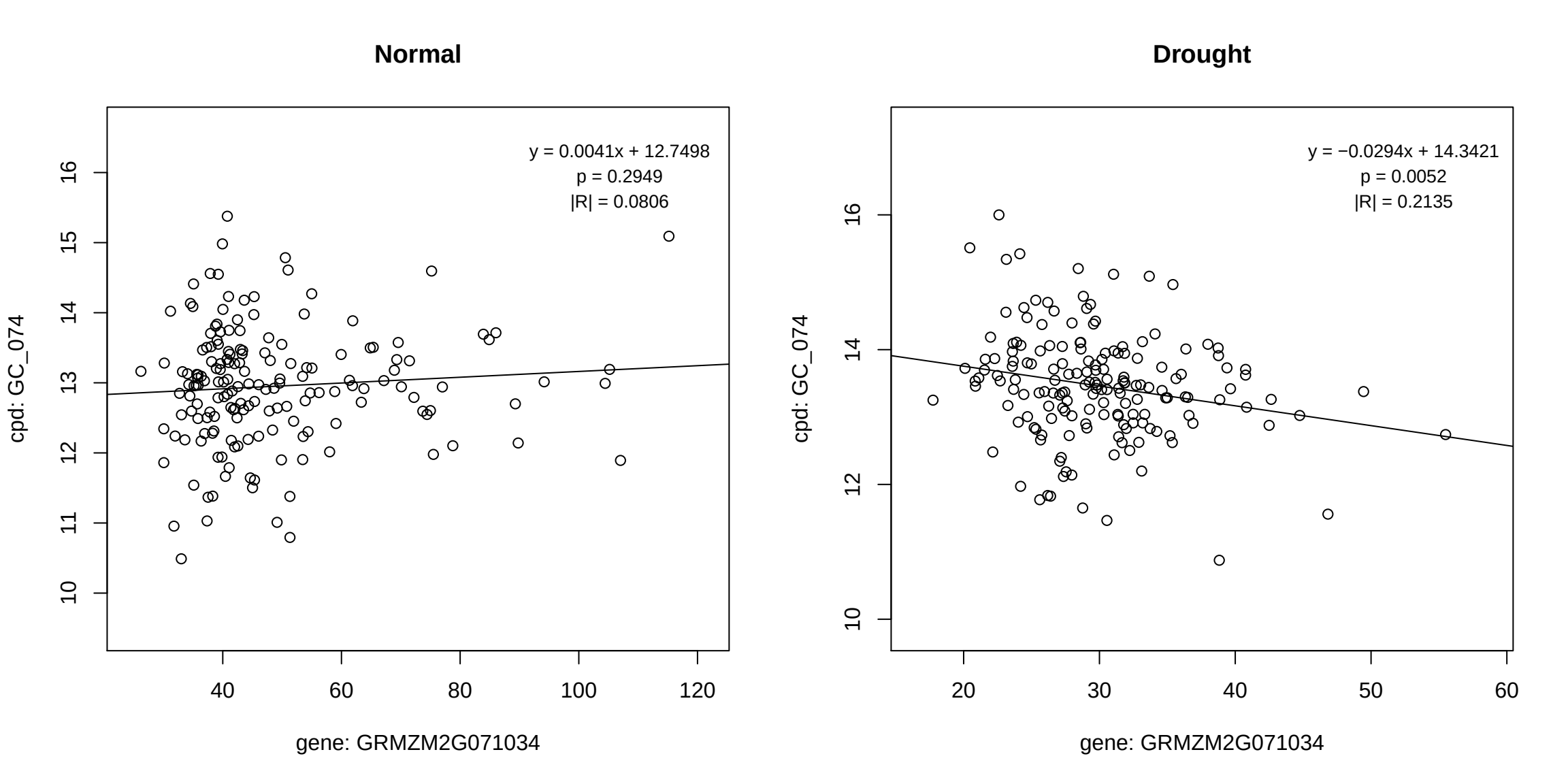

Normal
y = 0.0295x + 12.885
p = 0.1382
|R| = 0.1138
cpd: GC_074
gene: GRMZM2G018716
Drought
y = −0.0043x + 13.4727
p = 0.886
|R| = 0.0111
cpd: GC_074
gene: GRMZM2G018716

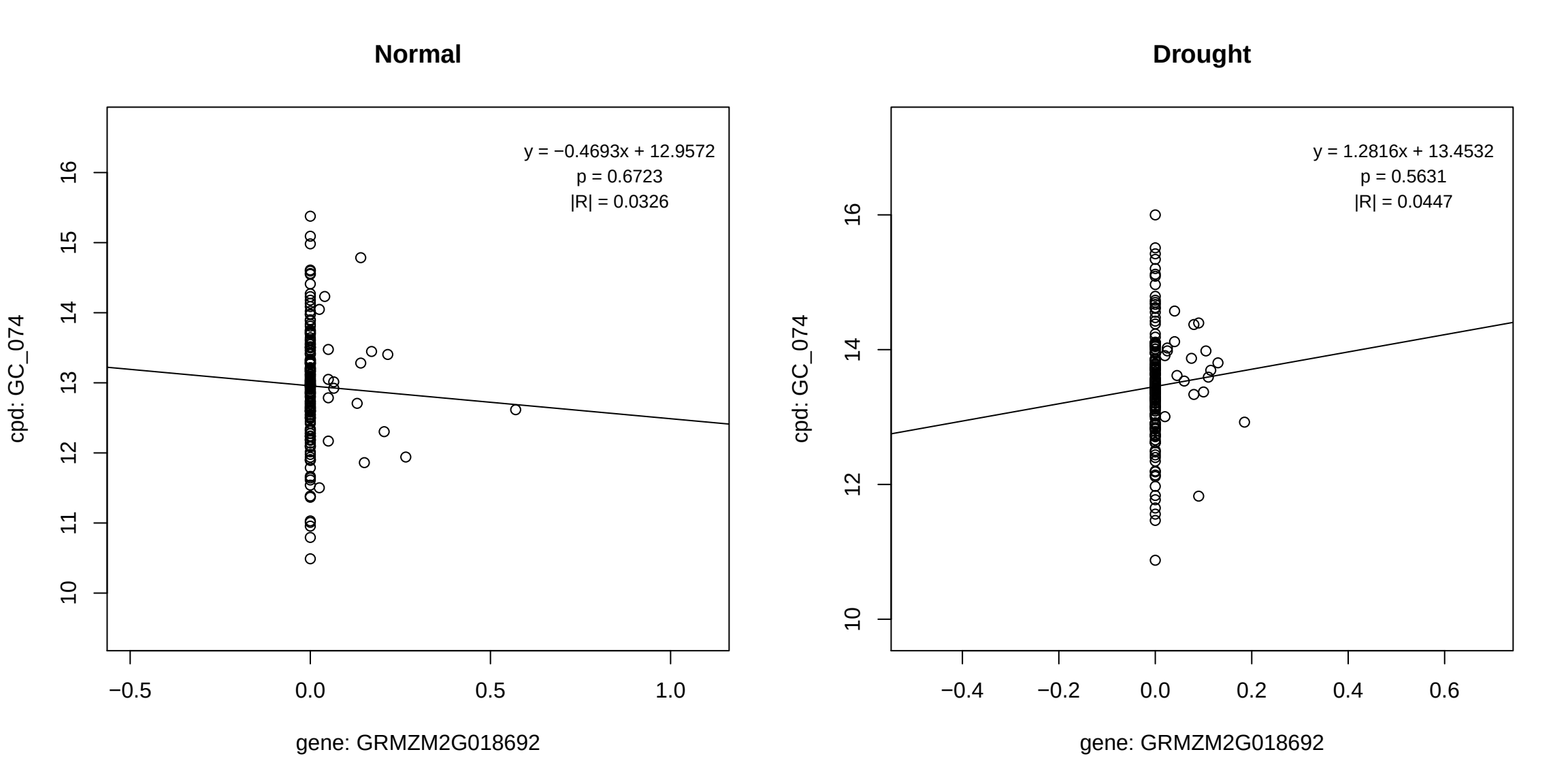

Normal
y = −0.4882x + 12.9533
p = 0.7528
|R| = 0.0243
cpd: GC_074
gene: GRMZM2G071330
Drought
y = 1.1964x + 13.4603
p = 0.5783
|R| = 0.0429
cpd: GC_074
gene: GRMZM2G071330

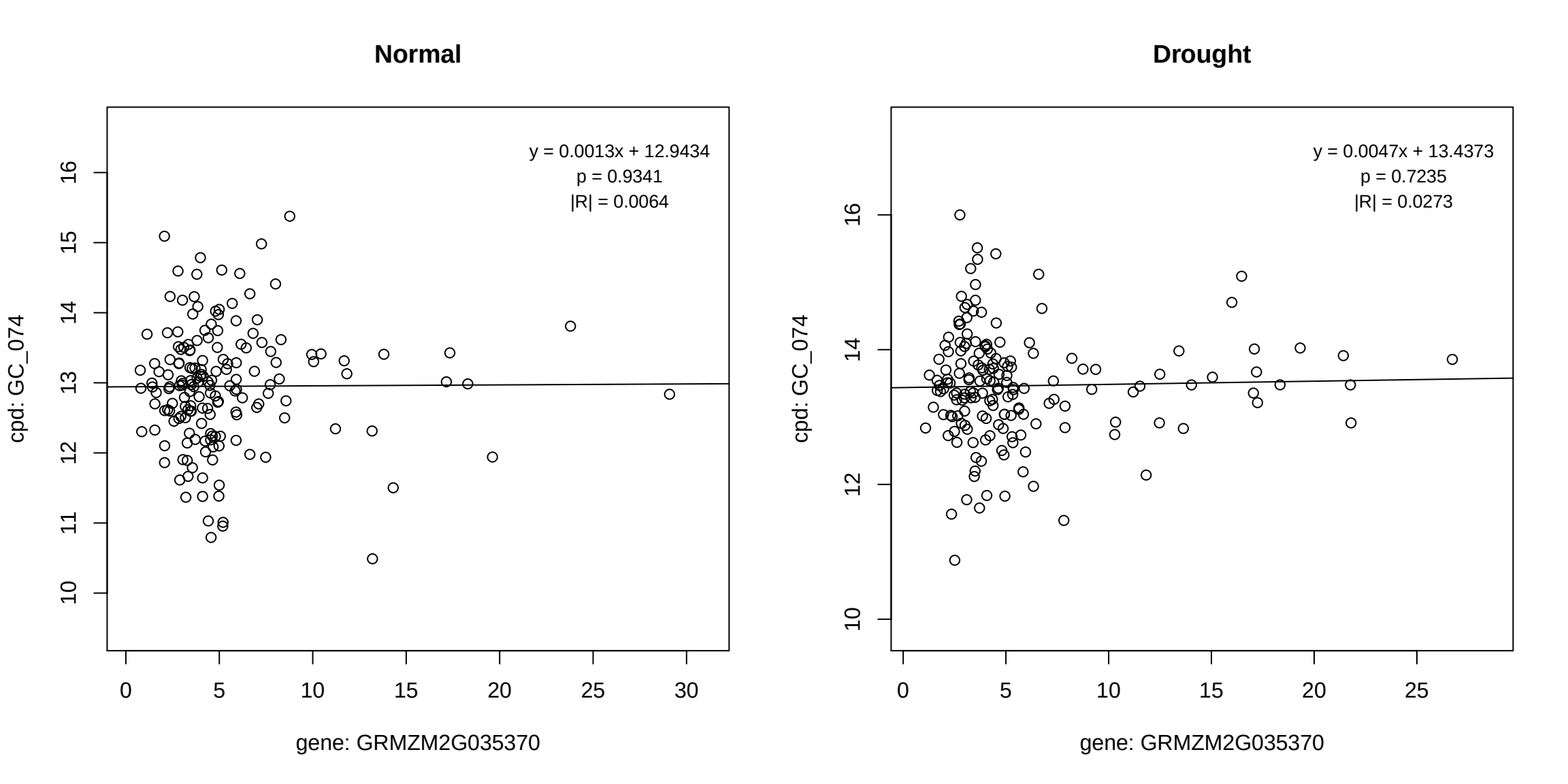

Normal
y = −0.0014x + 12.9732
p = 0.8611
|R| = 0.0135
cpd: GC_074
gene: GRMZM2G071333
10
11
12
13
14
15
16
0
10
20
30
40

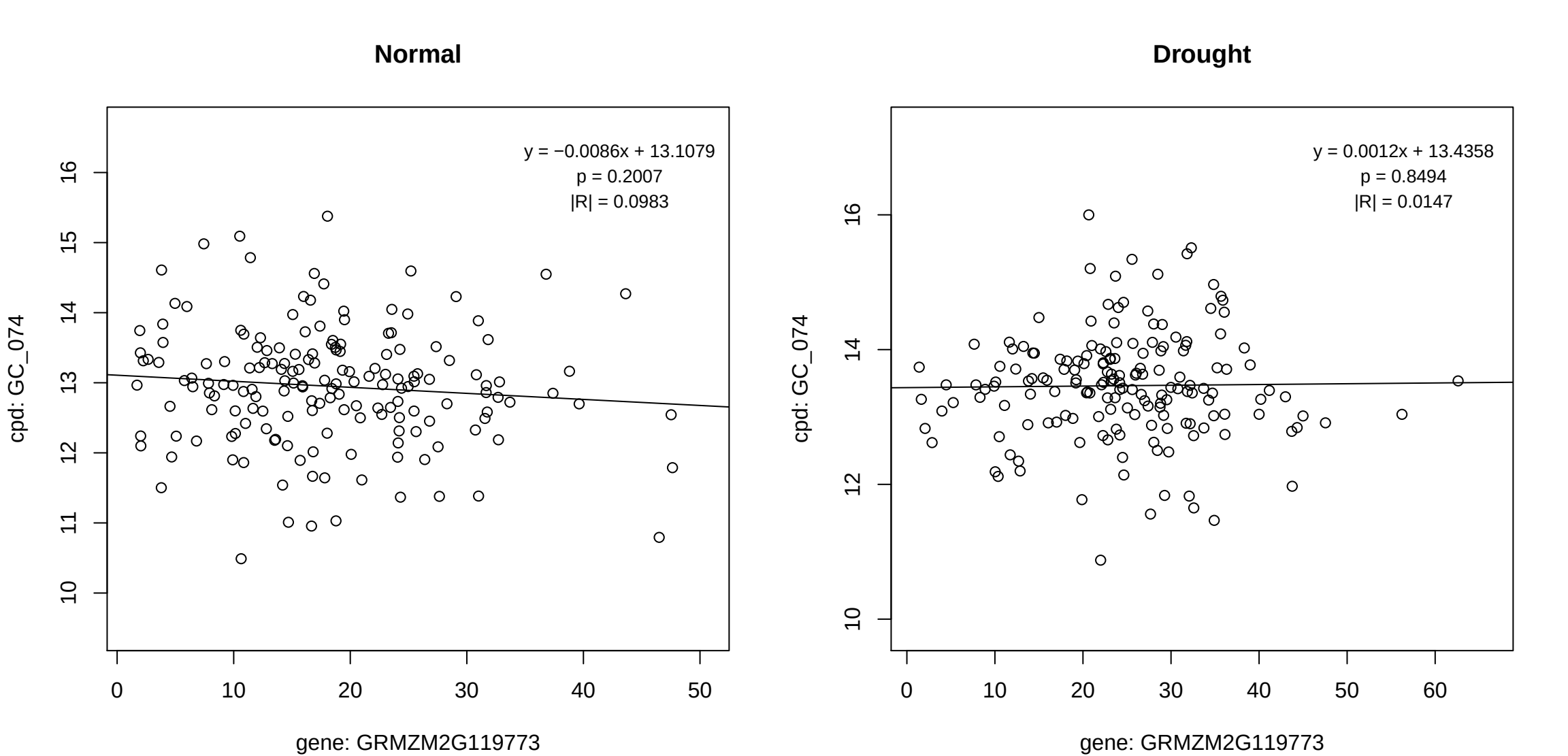

Drought
y = 0.0123x + 13.3007
p = 0.2475
|R| = 0.0892
cpd: GC_074
gene: GRMZM2G071333
10
12
14
16
5
10
15
20
25
30
35

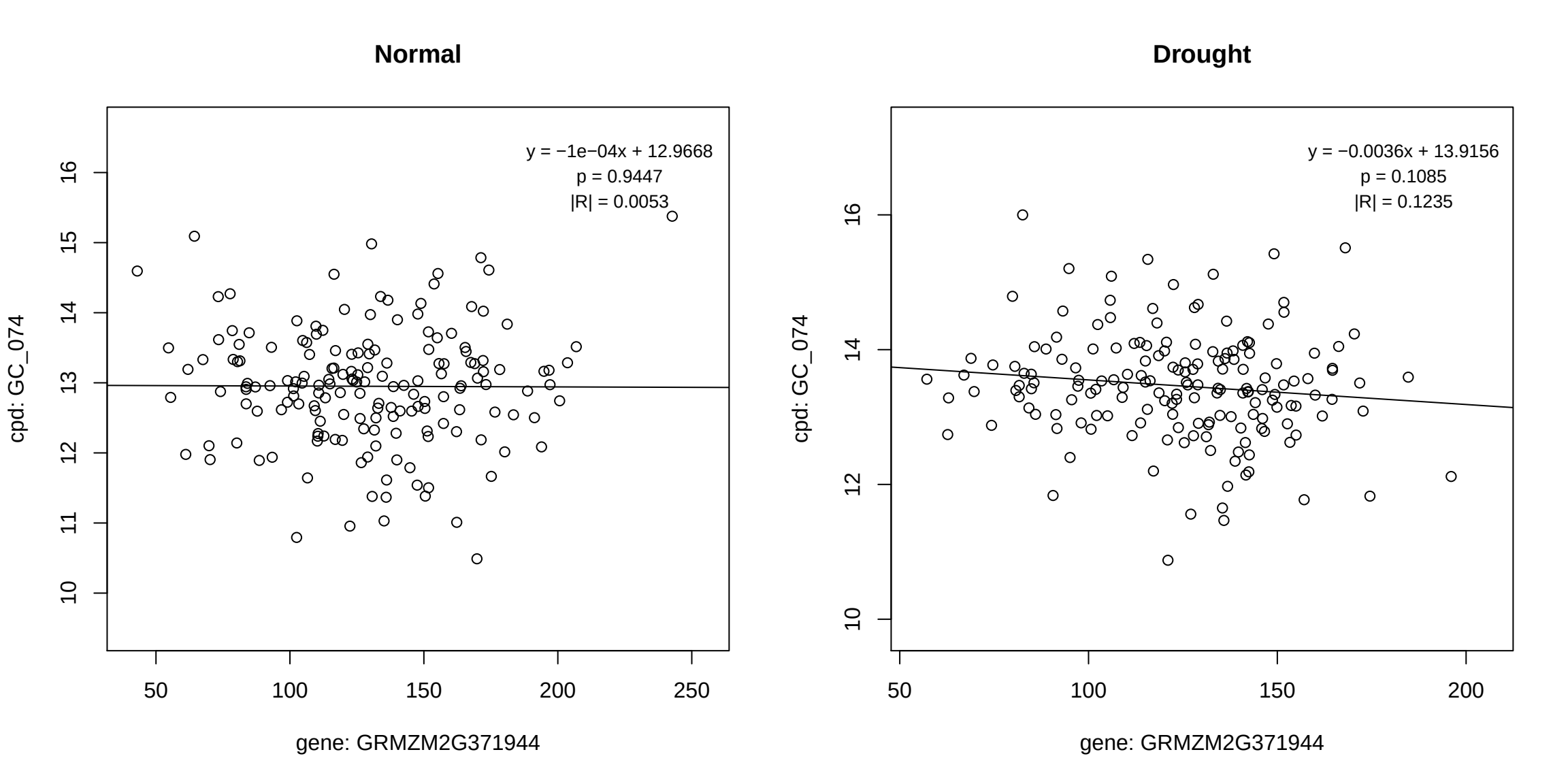

Normal
y = 8e−04x + 12.938
p = 0.92
|R| = 0.0077
cpd: GC_074
gene: GRMZM2G119916
Drought
y = 0.0207x + 12.9599
p = 0.0041
|R| = 0.2192
cpd: GC_074
gene: GRMZM2G119916

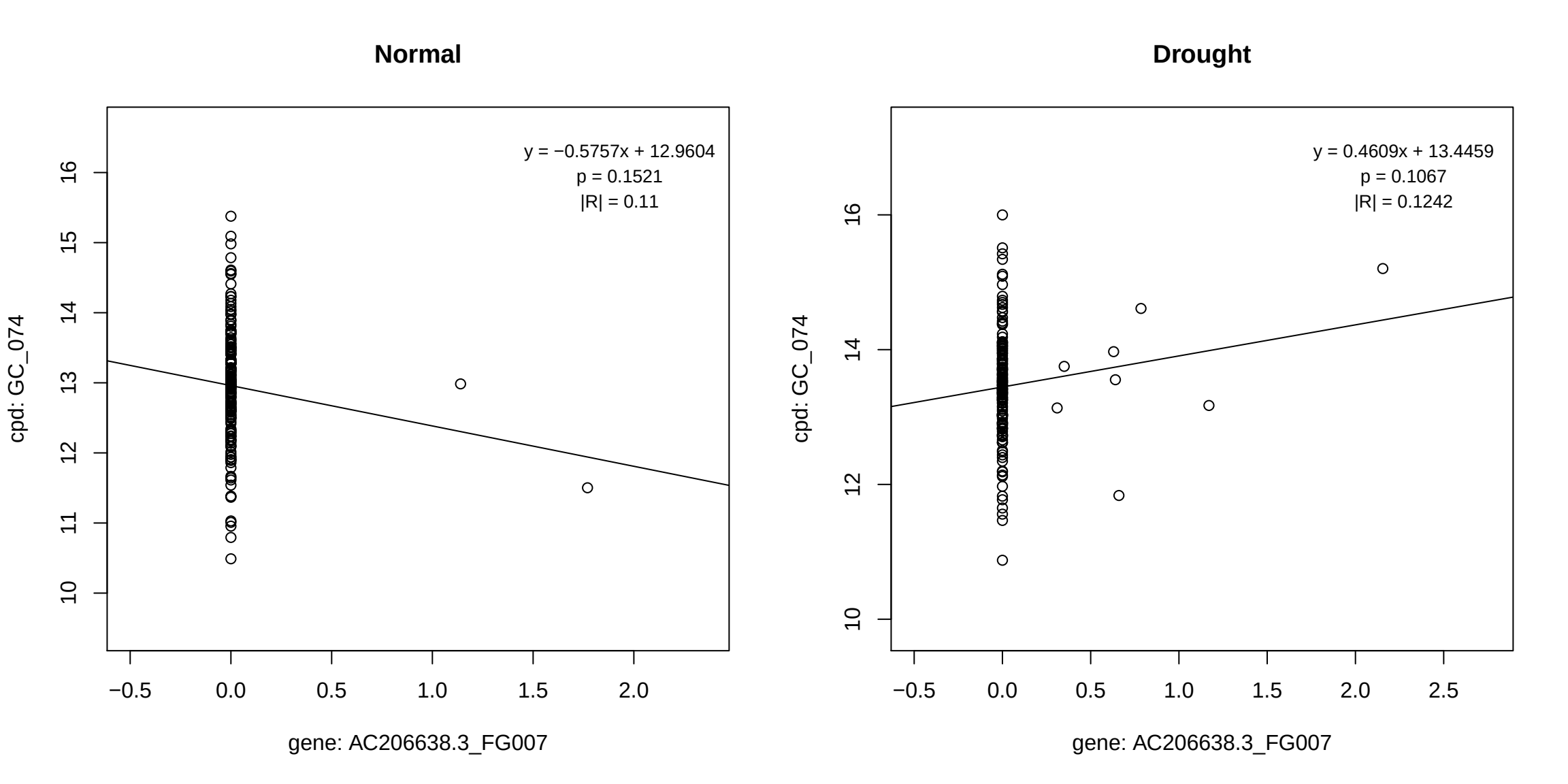

Normal
y = 0.0041x + 12.7498
p = 0.2949
|R| = 0.0806
cpd: GC_074
gene: GRMZM2G071034
Drought
y = −0.0294x + 14.3421
p = 0.0052
|R| = 0.2135
cpd: GC_074
gene: GRMZM2G071034

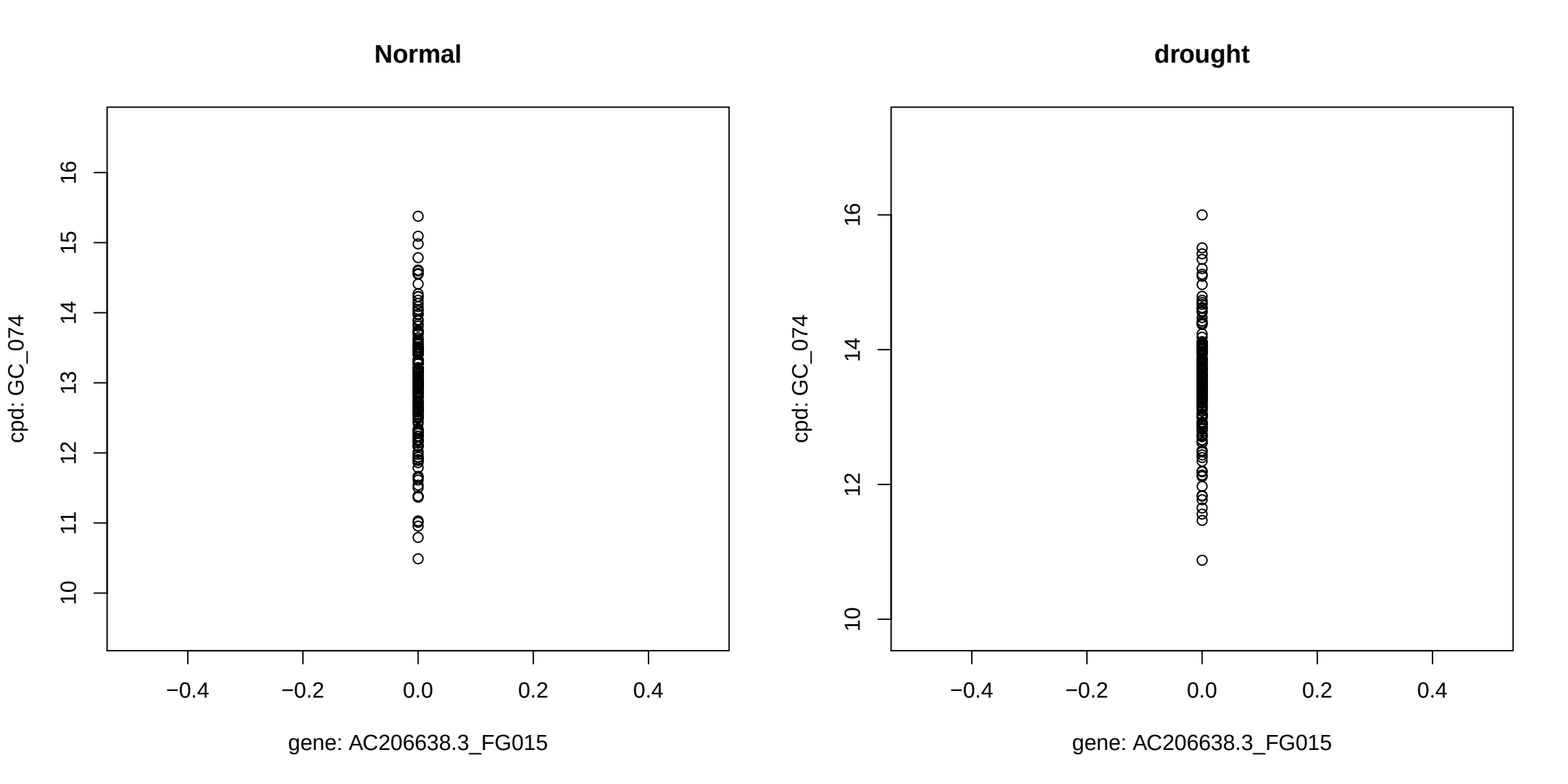

Normal
y = −0.4693x + 12.9572
p = 0.6723
|R| = 0.0326
cpd: GC_074
gene: GRMZM2G018692
Drought
y = 1.2816x + 13.4532
p = 0.5631
|R| = 0.0447
cpd: GC_074
gene: GRMZM2G018692

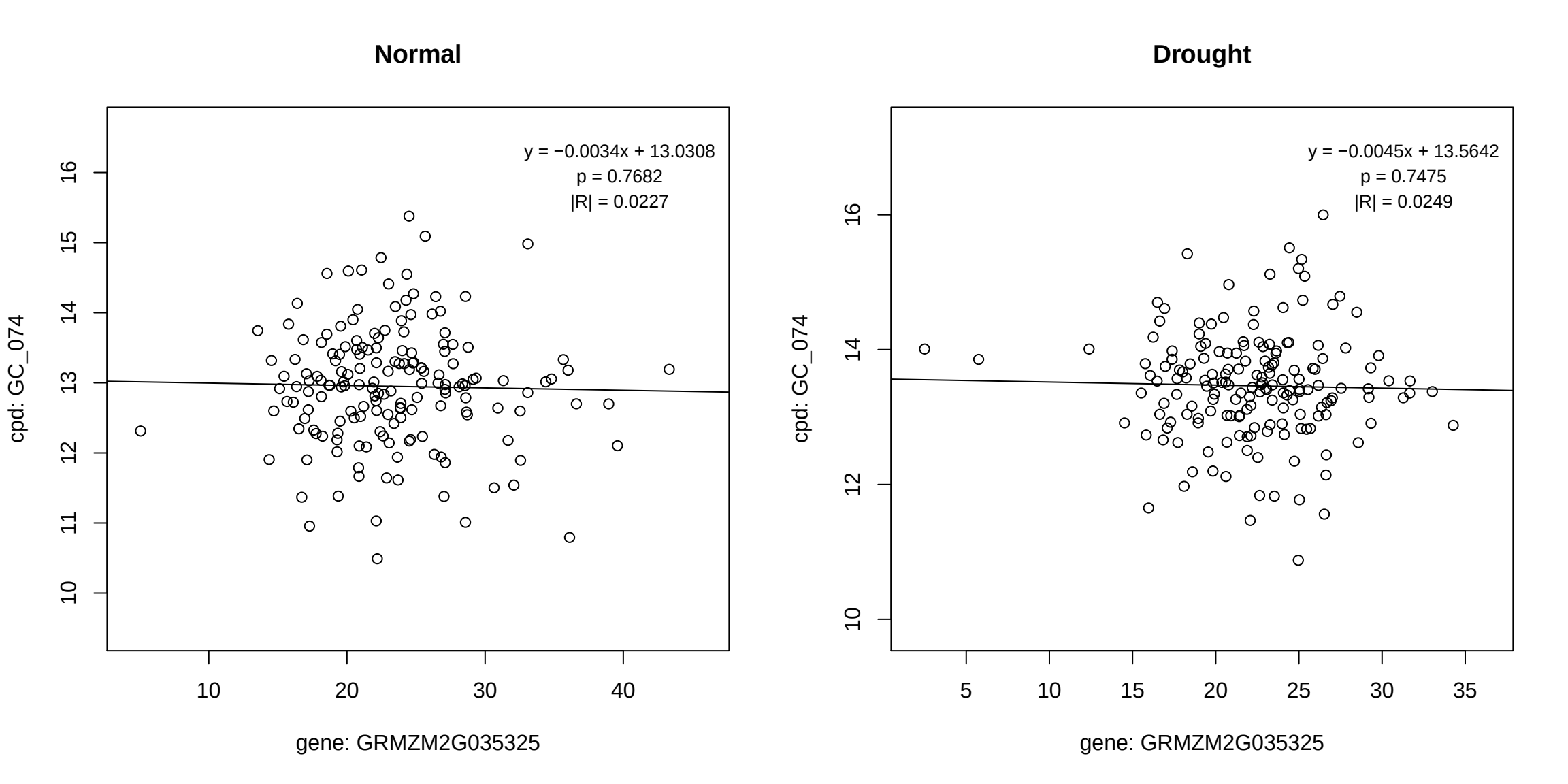

Normal
y = 0.0013x + 12.9434
p = 0.9341
|R| = 0.0064
cpd: GC_074
gene: GRMZM2G035370
Drought
y = 0.0047x + 13.4373
p = 0.7235
|R| = 0.0273
cpd: GC_074
gene: GRMZM2G035370

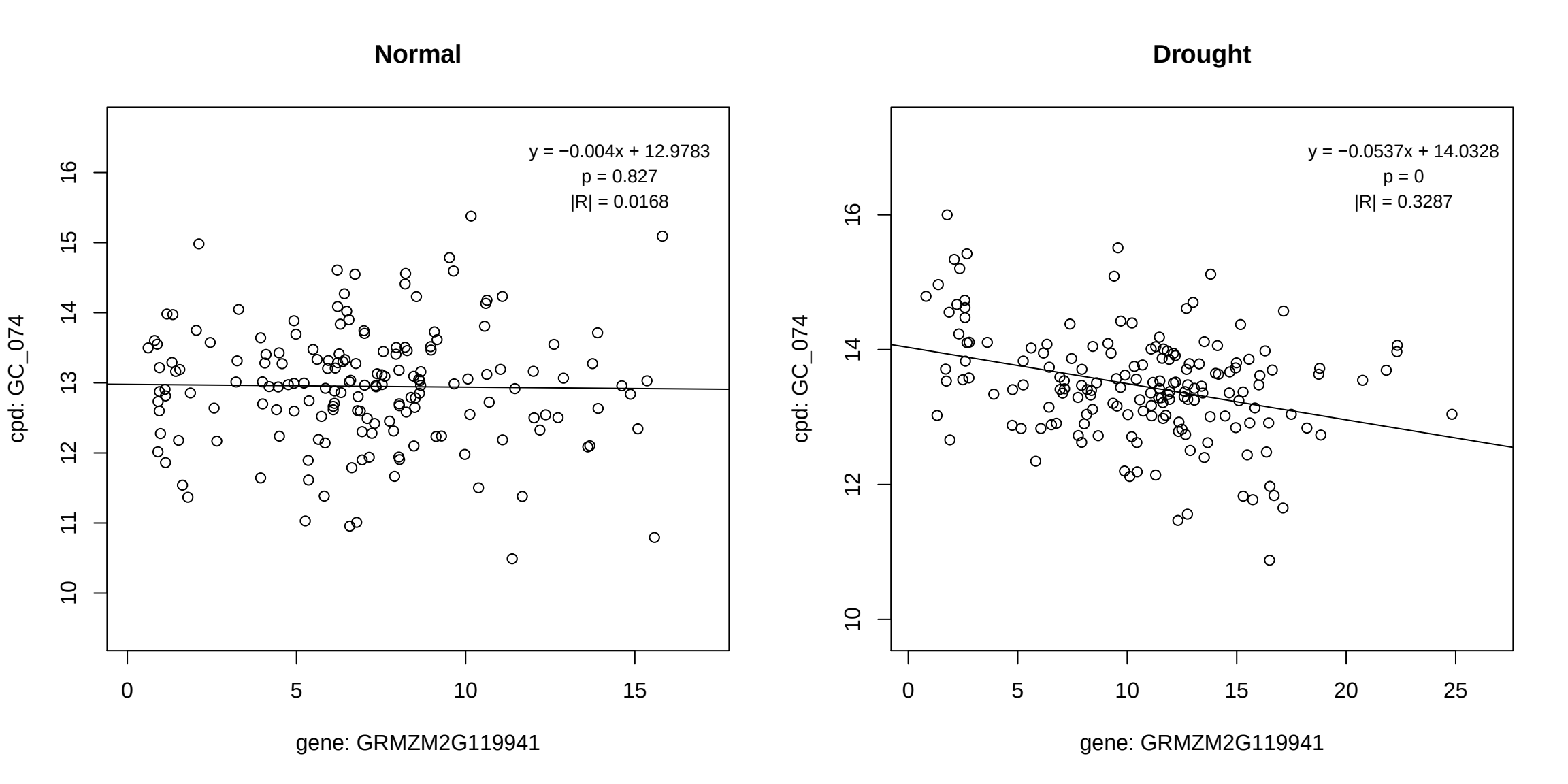

Normal
y = −0.0086x + 13.1079
p = 0.2007
|R| = 0.0983
cpd: GC_074
gene: GRMZM2G119773
Drought
y = 0.0012x + 13.4358
p = 0.8494
|R| = 0.0147
cpd: GC_074
gene: GRMZM2G119773

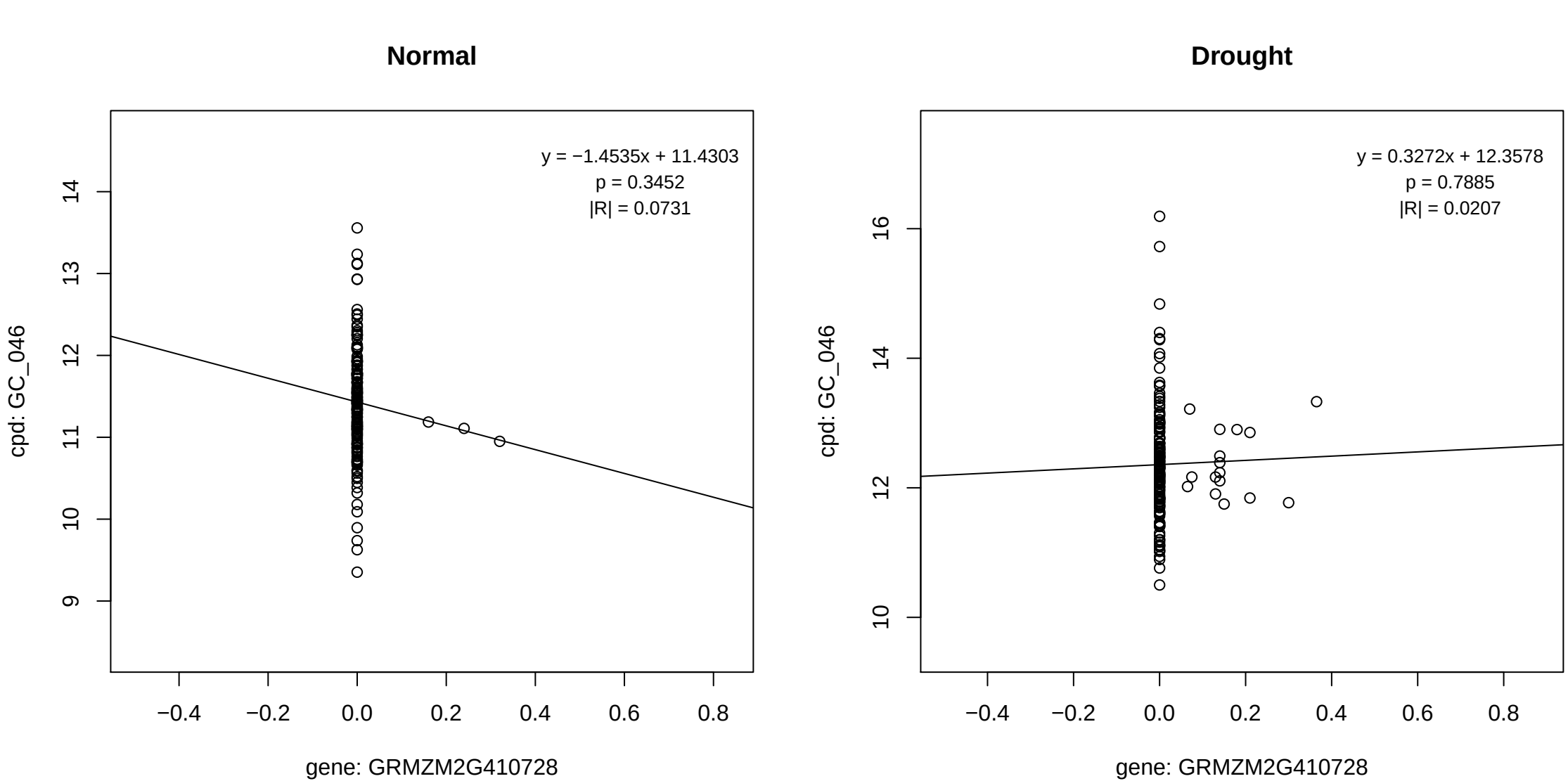

Normal
y = −1e−04x + 12.9668
p = 0.9447
|R| = 0.0053
cpd: GC_074
gene: GRMZM2G371944
Drought
y = −0.0036x + 13.9156
p = 0.1085
|R| = 0.1235
cpd: GC_074
gene: GRMZM2G371944

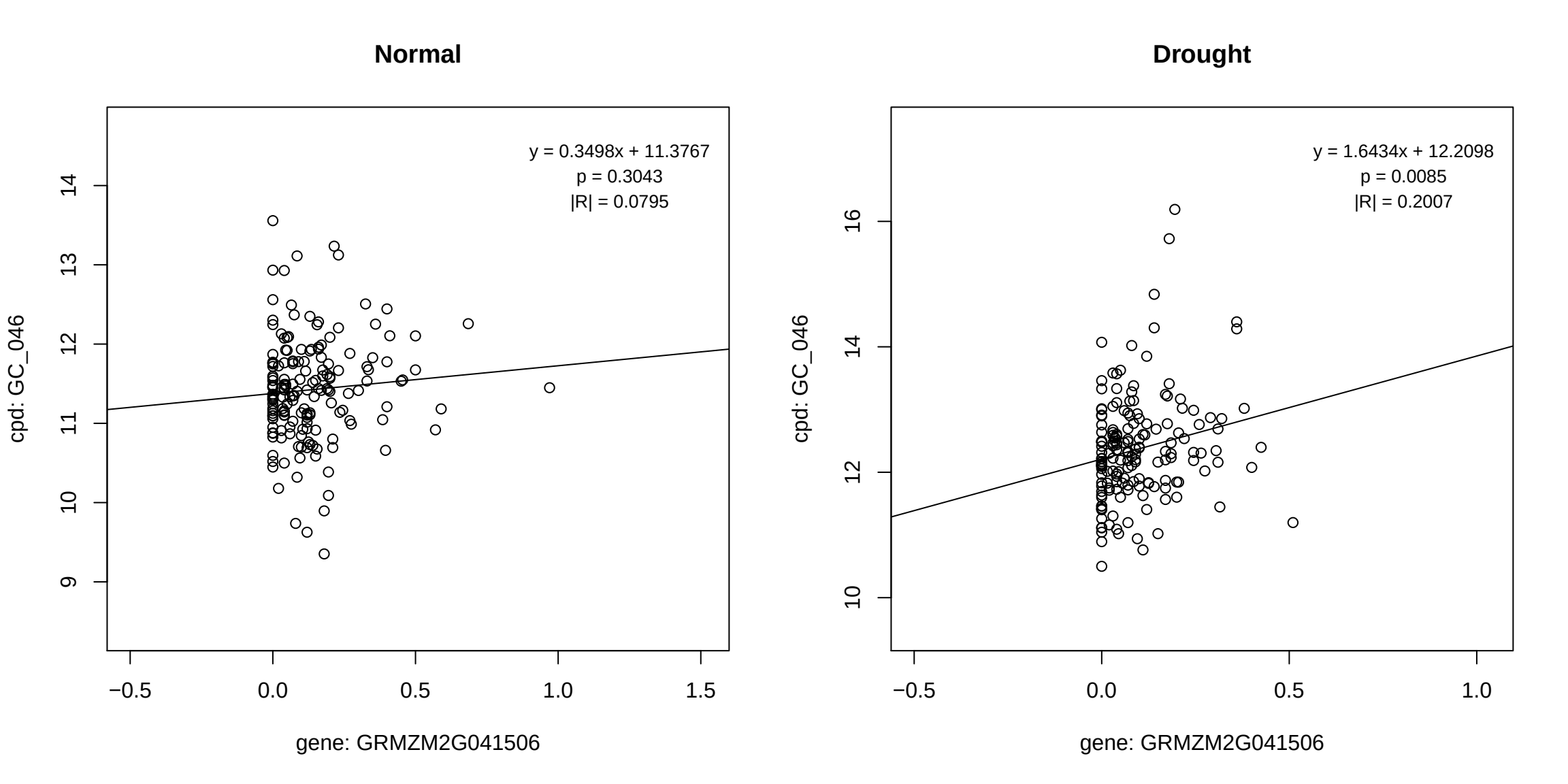

Normal
y = −0.5757x + 12.9604
p = 0.1521
|R| = 0.11
cpd: GC_074
gene: AC206638.3_FG007
Drought
y = 0.4609x + 13.4459
p = 0.1067
|R| = 0.1242
cpd: GC_074
gene: AC206638.3_FG007

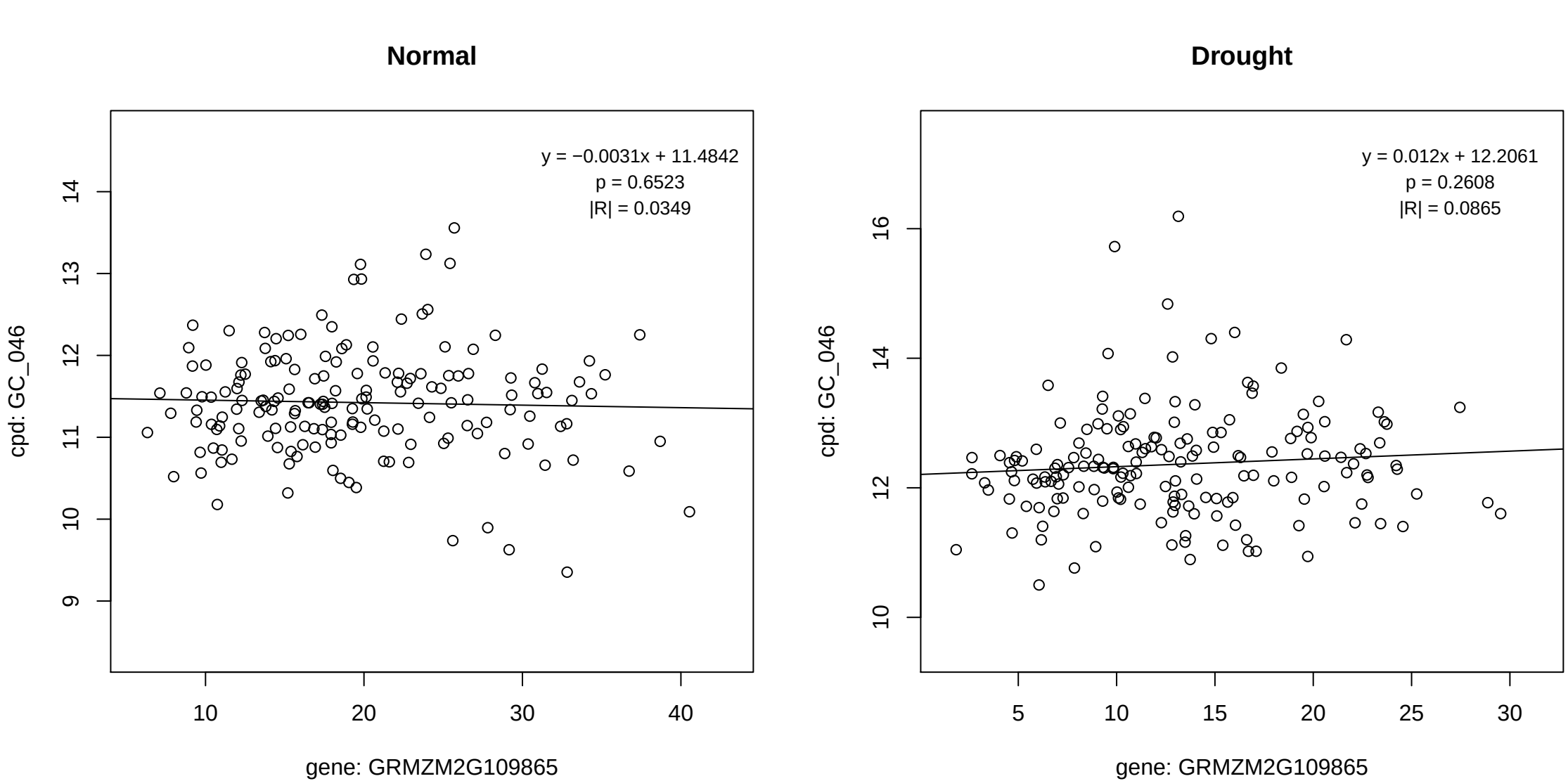

Normal
drought
cpd: GC_074
gene: AC206638.3_FG015
10
11
12
13
14
15
16
−0.4
−0.2
0.0
0.2
0.4

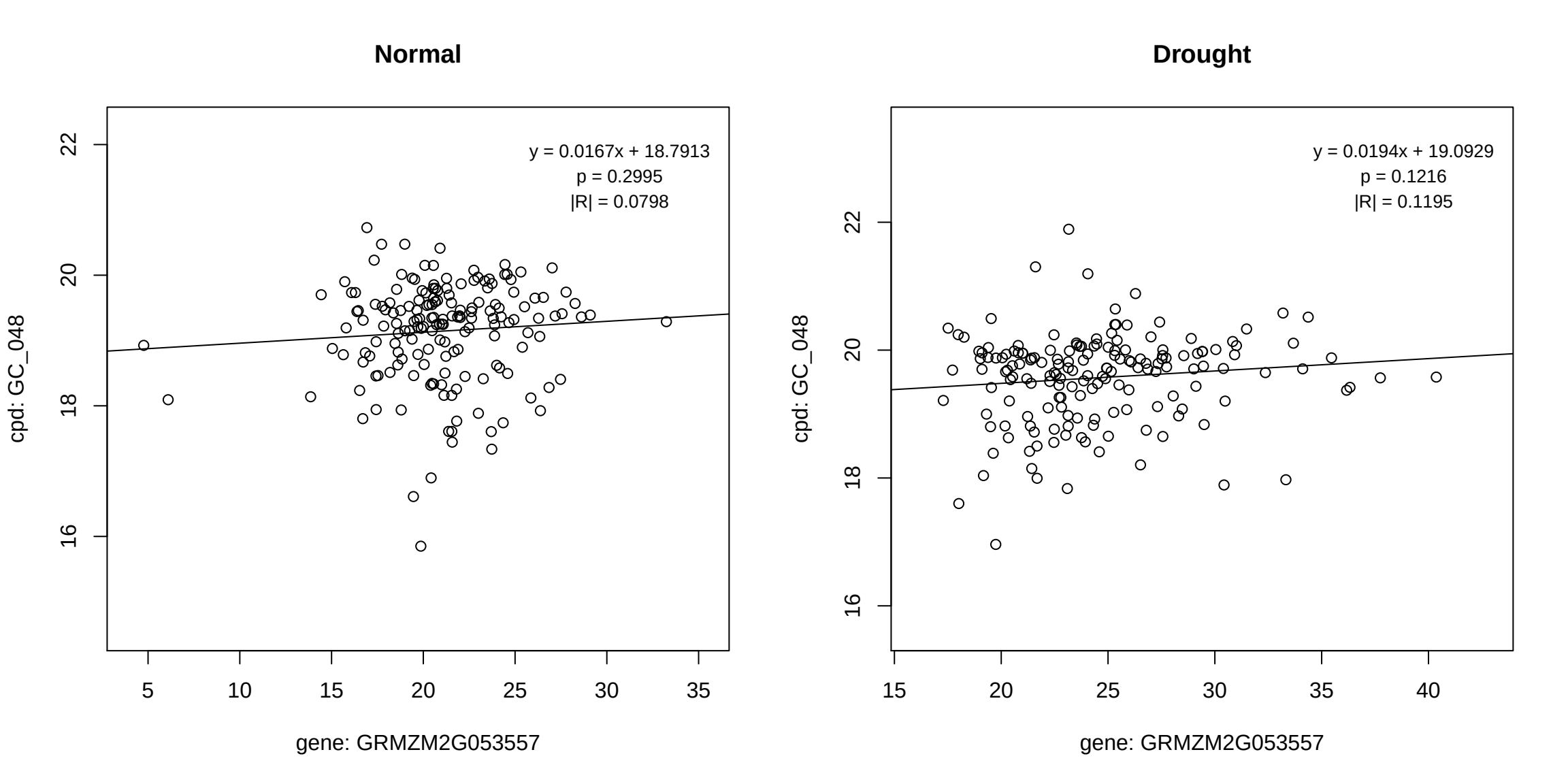

Normal
y = −0.0034x + 13.0308
p = 0.7682
|R| = 0.0227
cpd: GC_074
gene: GRMZM2G035325
Drought
y = −0.0045x + 13.5642
p = 0.7475
|R| = 0.0249
cpd: GC_074
gene: GRMZM2G035325

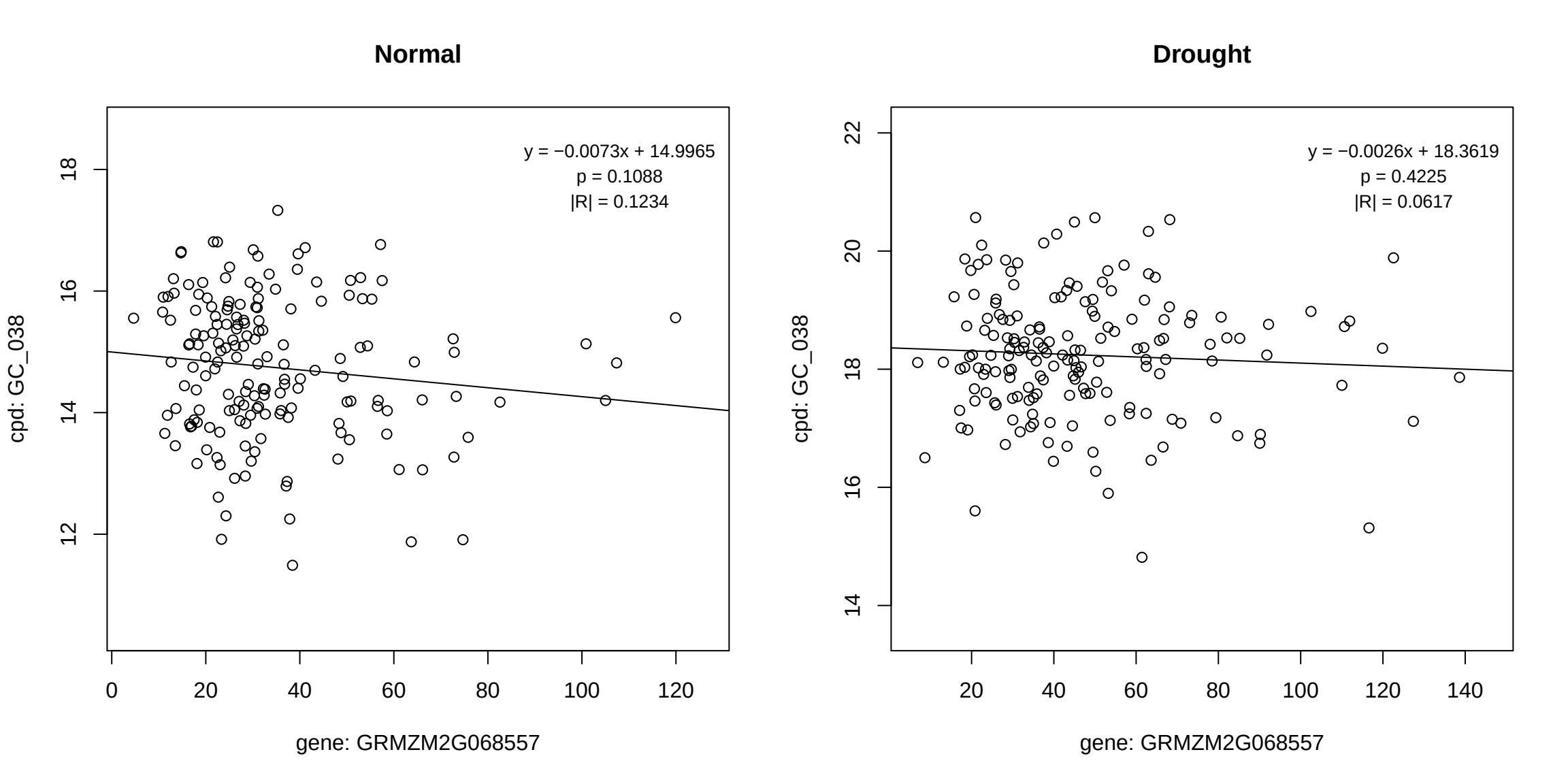

Normal
y = −0.004x + 12.9783
p = 0.827
|R| = 0.0168
cpd: GC_074
gene: GRMZM2G119941
Drought
y = −0.0537x + 14.0328
p = 0
|R| = 0.3287
cpd: GC_074
gene: GRMZM2G119941

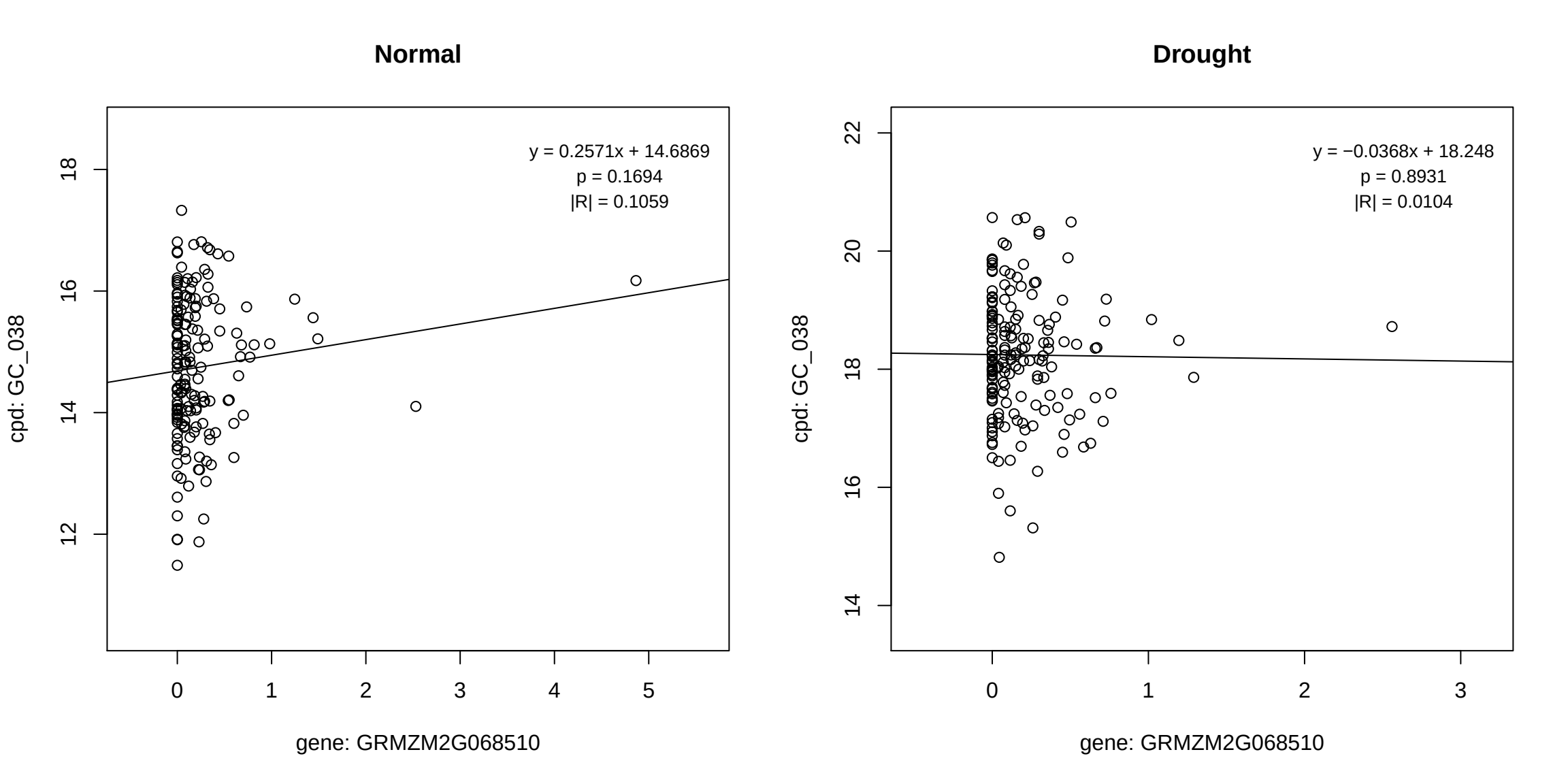

Normal
y = −1.4535x + 11.4303
p = 0.3452
|R| = 0.0731
cpd: GC_046
gene: GRMZM2G410728
Drought
y = 0.3272x + 12.3578
p = 0.7885
|R| = 0.0207
cpd: GC_046
gene: GRMZM2G410728

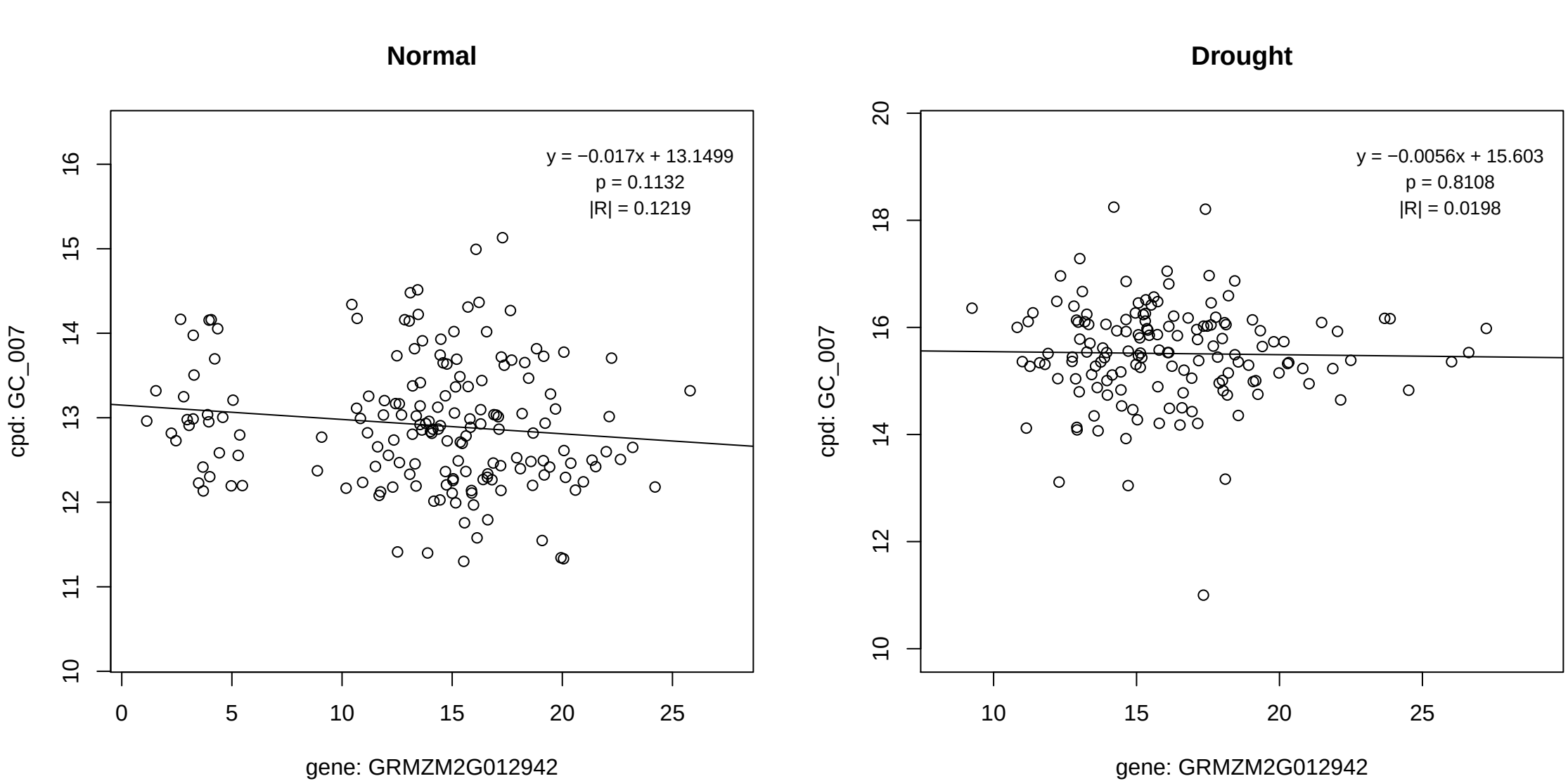

Normal
y = 0.3498x + 11.3767
p = 0.3043
|R| = 0.0795
cpd: GC_046
gene: GRMZM2G041506
Drought
y = 1.6434x + 12.2098
p = 0.0085
|R| = 0.2007
cpd: GC_046
gene: GRMZM2G041506

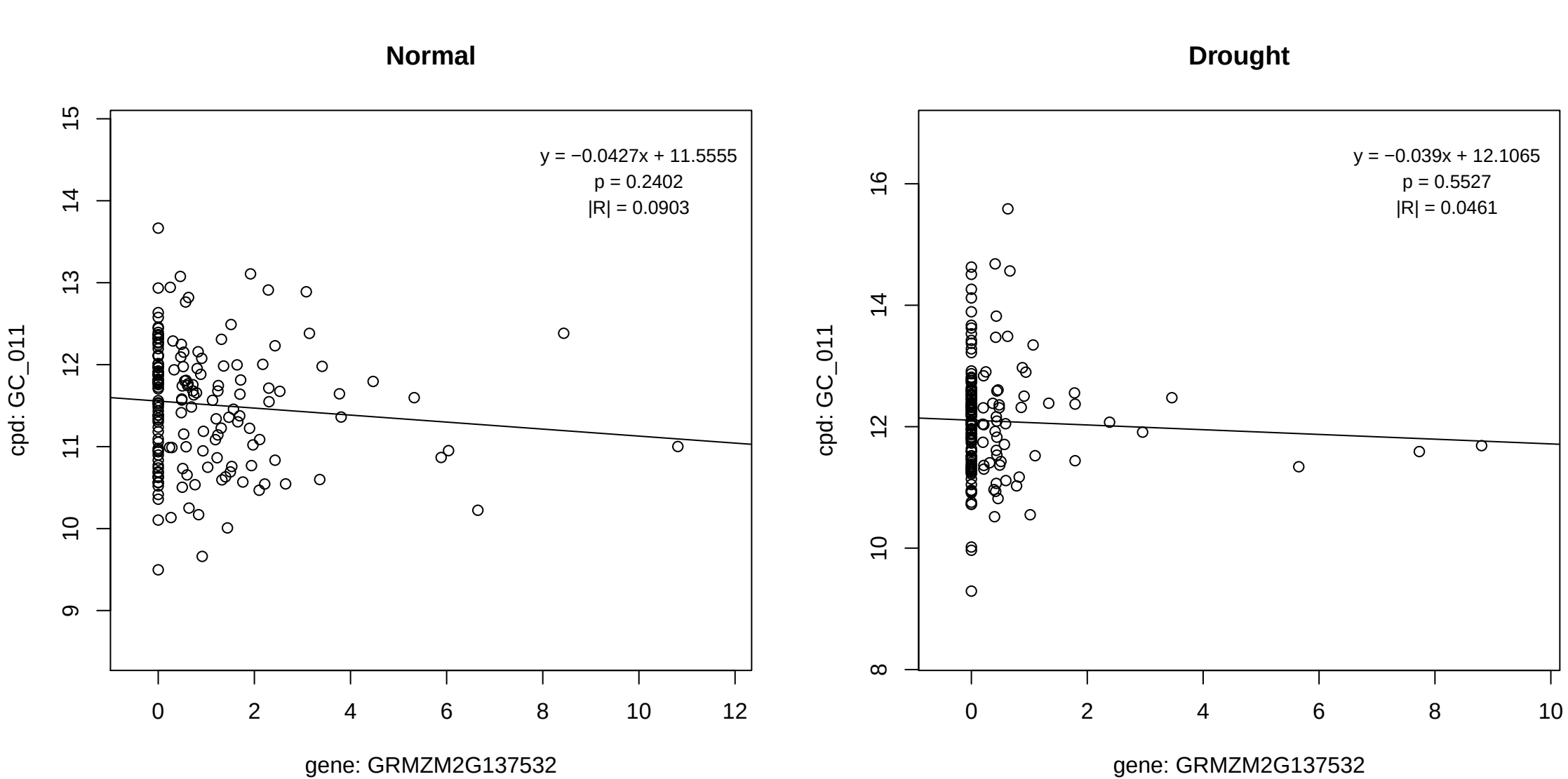

Normal
y = −0.0031x + 11.4842
p = 0.6523
|R| = 0.0349
cpd: GC_046
gene: GRMZM2G109865
Drought
y = 0.012x + 12.2061
p = 0.2608
|R| = 0.0865
cpd: GC_046
gene: GRMZM2G109865

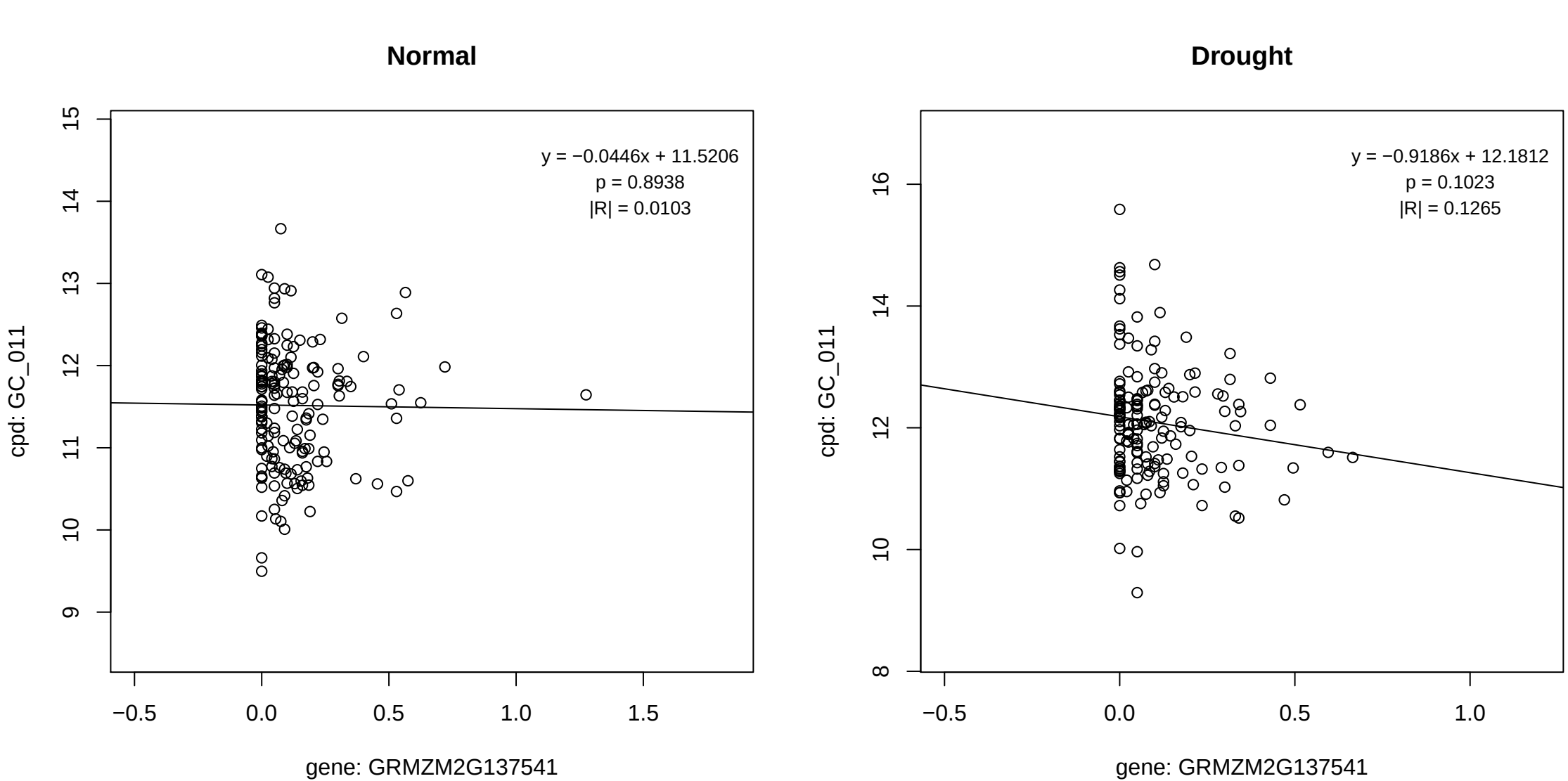

Normal
y = 0.0167x + 18.7913
p = 0.2995
|R| = 0.0798
cpd: GC_048
gene: GRMZM2G053557
Drought
y = 0.0194x + 19.0929
p = 0.1216
|R| = 0.1195
cpd: GC_048
gene: GRMZM2G053557

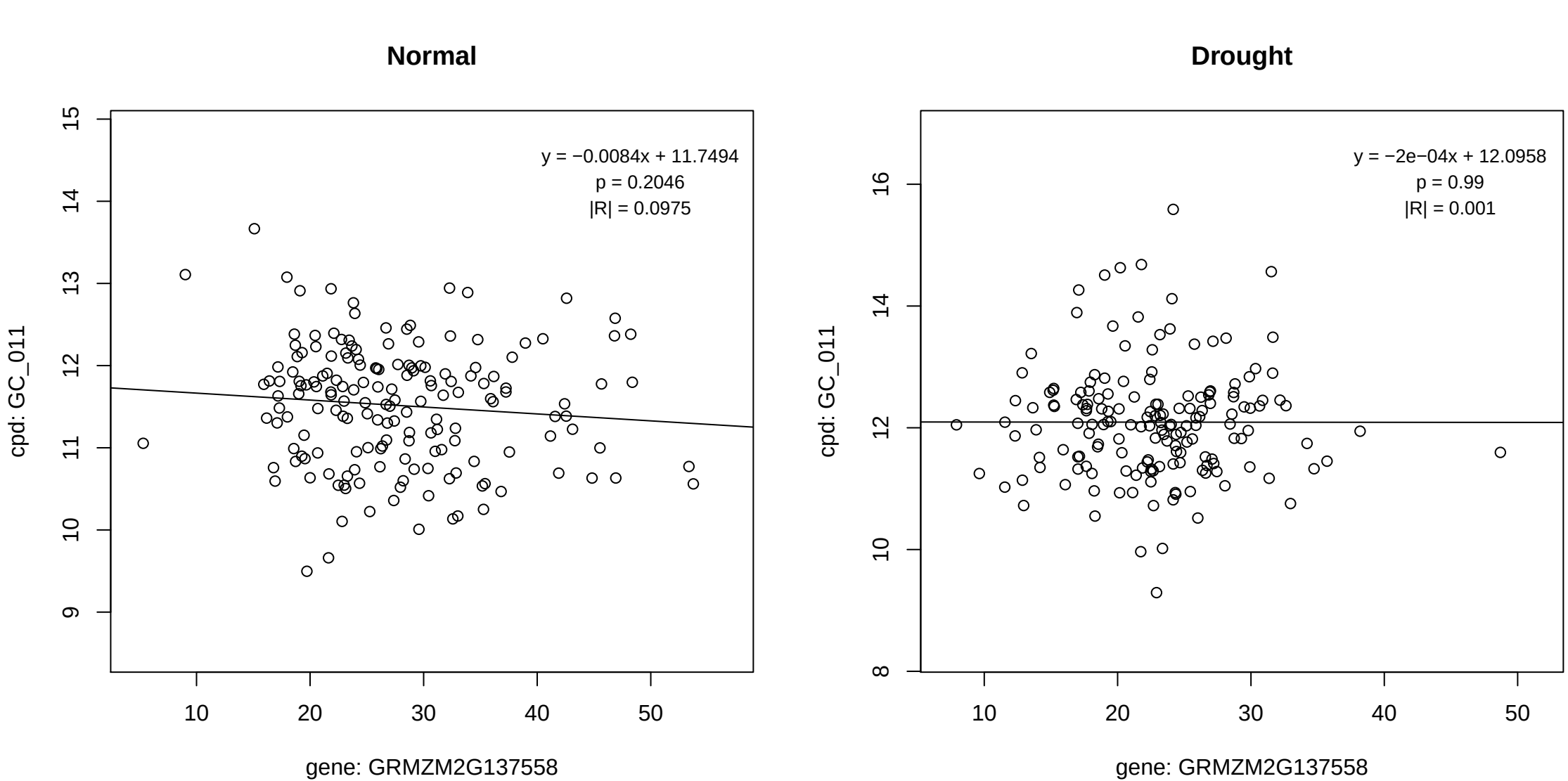

Normal
y = −0.0073x + 14.9965
p = 0.1088
|R| = 0.1234
cpd: GC_038
gene: GRMZM2G068557
Drought
y = −0.0026x + 18.3619
p = 0.4225
|R| = 0.0617
cpd: GC_038
gene: GRMZM2G068557

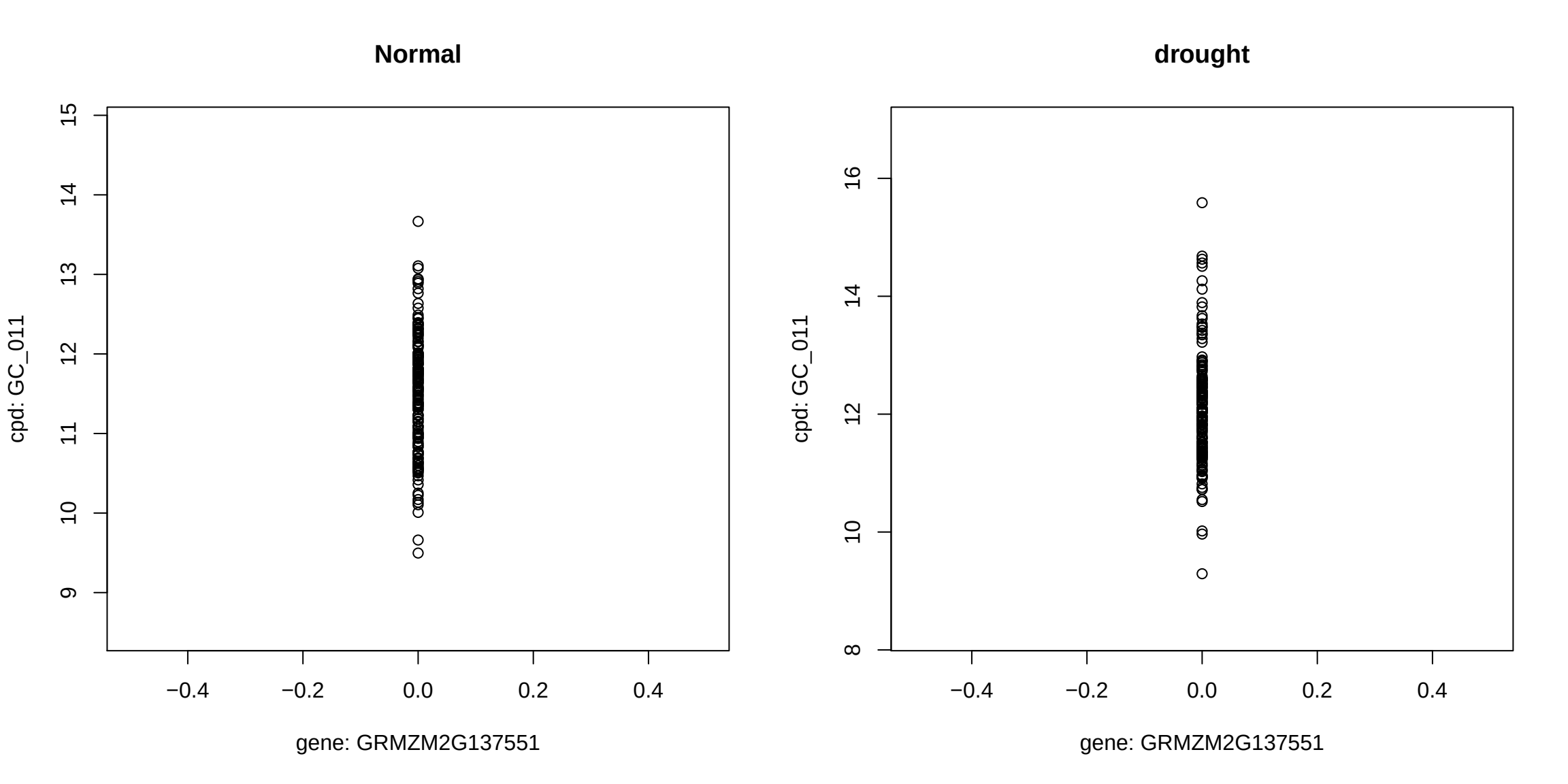

Normal
y = 0.2571x + 14.6869
p = 0.1694
|R| = 0.1059
cpd: GC_038
gene: GRMZM2G068510
Drought
y = −0.0368x + 18.248
p = 0.8931
|R| = 0.0104
cpd: GC_038
gene: GRMZM2G068510

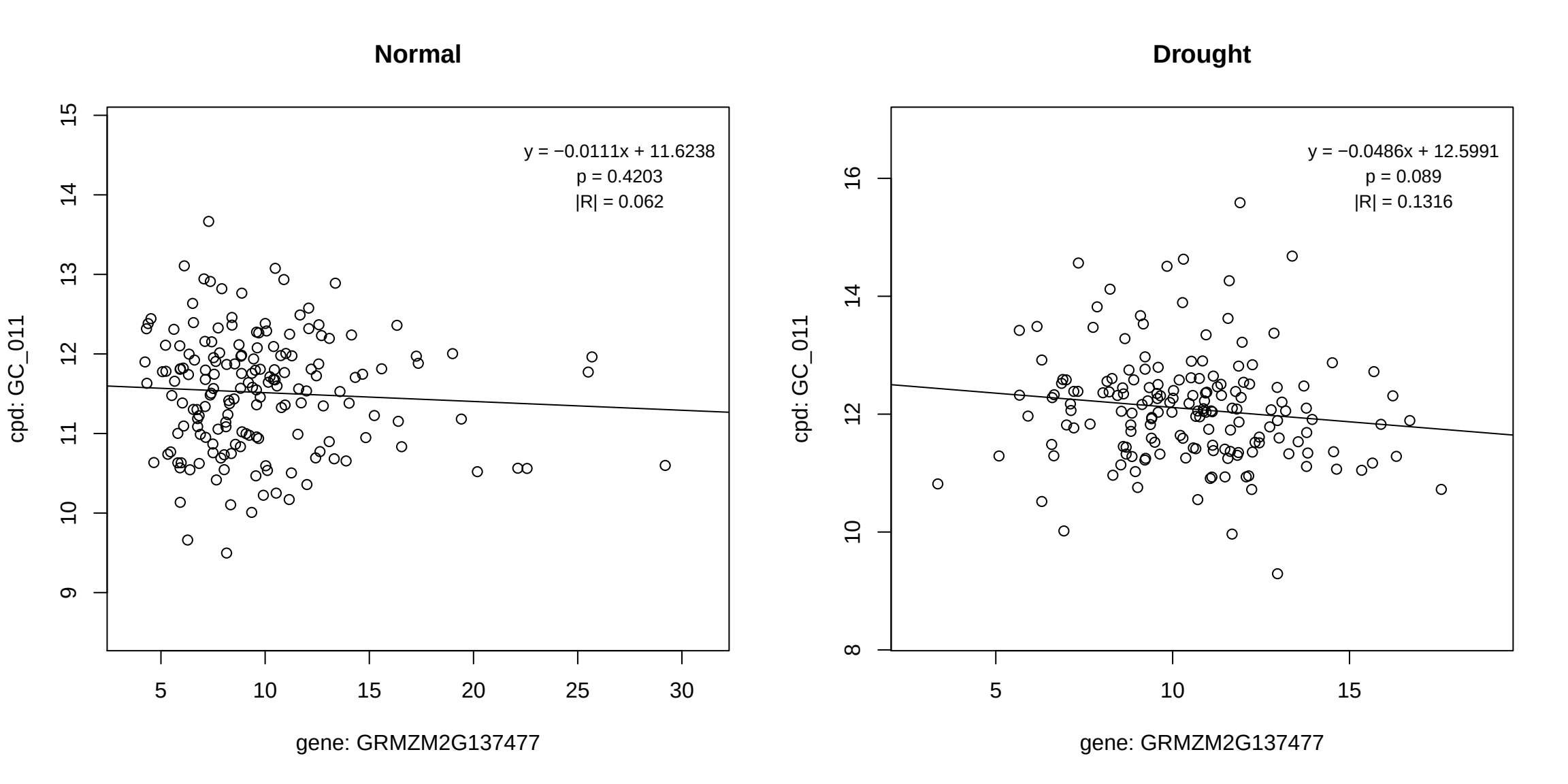

Normal
y = −0.017x + 13.1499
p = 0.1132
|R| = 0.1219
cpd: GC_007
gene: GRMZM2G012942
Drought
y = −0.0056x + 15.603
p = 0.8108
|R| = 0.0198
cpd: GC_007
gene: GRMZM2G012942

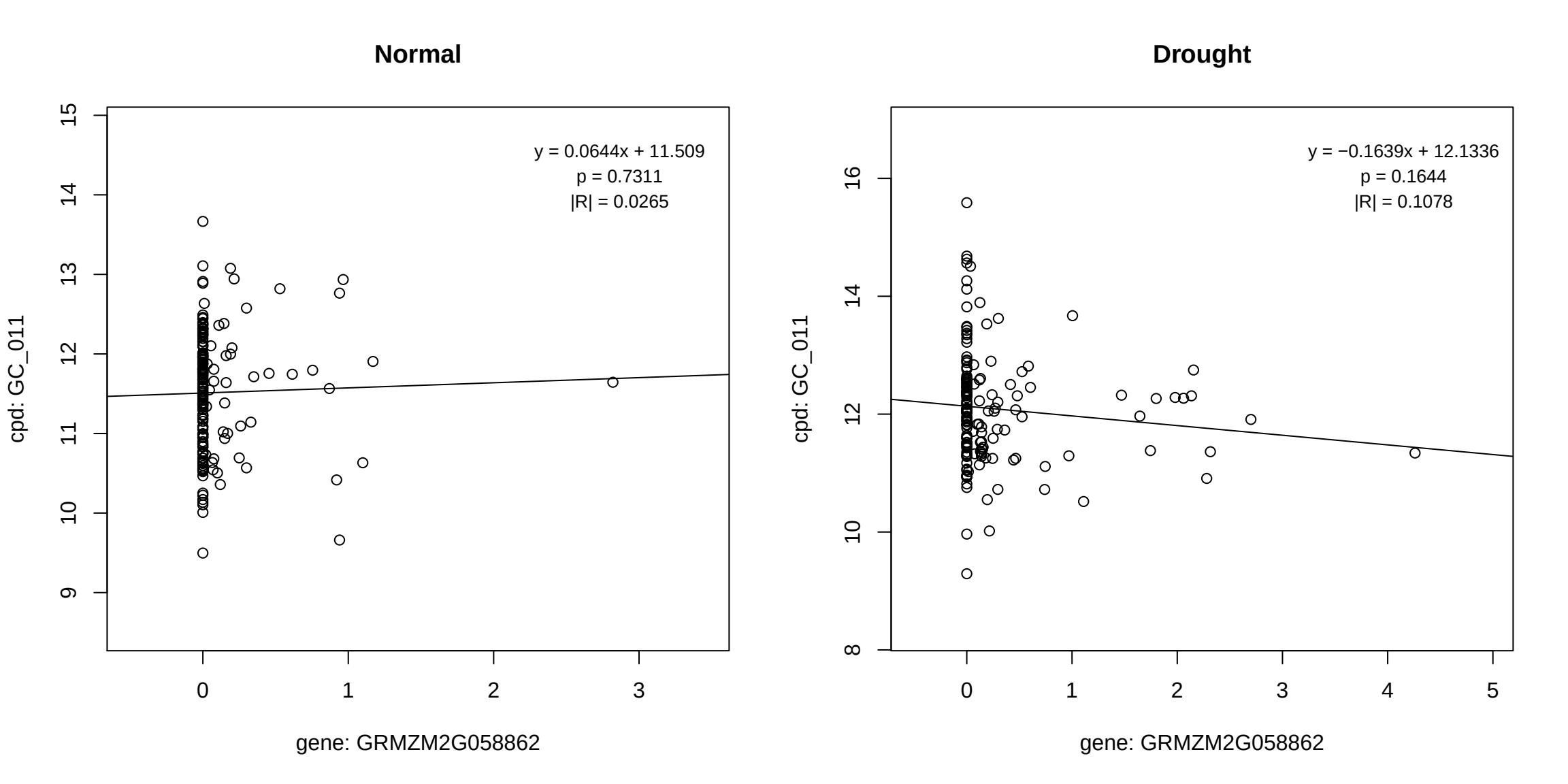

Normal
y = −0.0427x + 11.5555
p = 0.2402
|R| = 0.0903
cpd: GC_011
gene: GRMZM2G137532
Drought
y = −0.039x + 12.1065
p = 0.5527
|R| = 0.0461
cpd: GC_011
gene: GRMZM2G137532

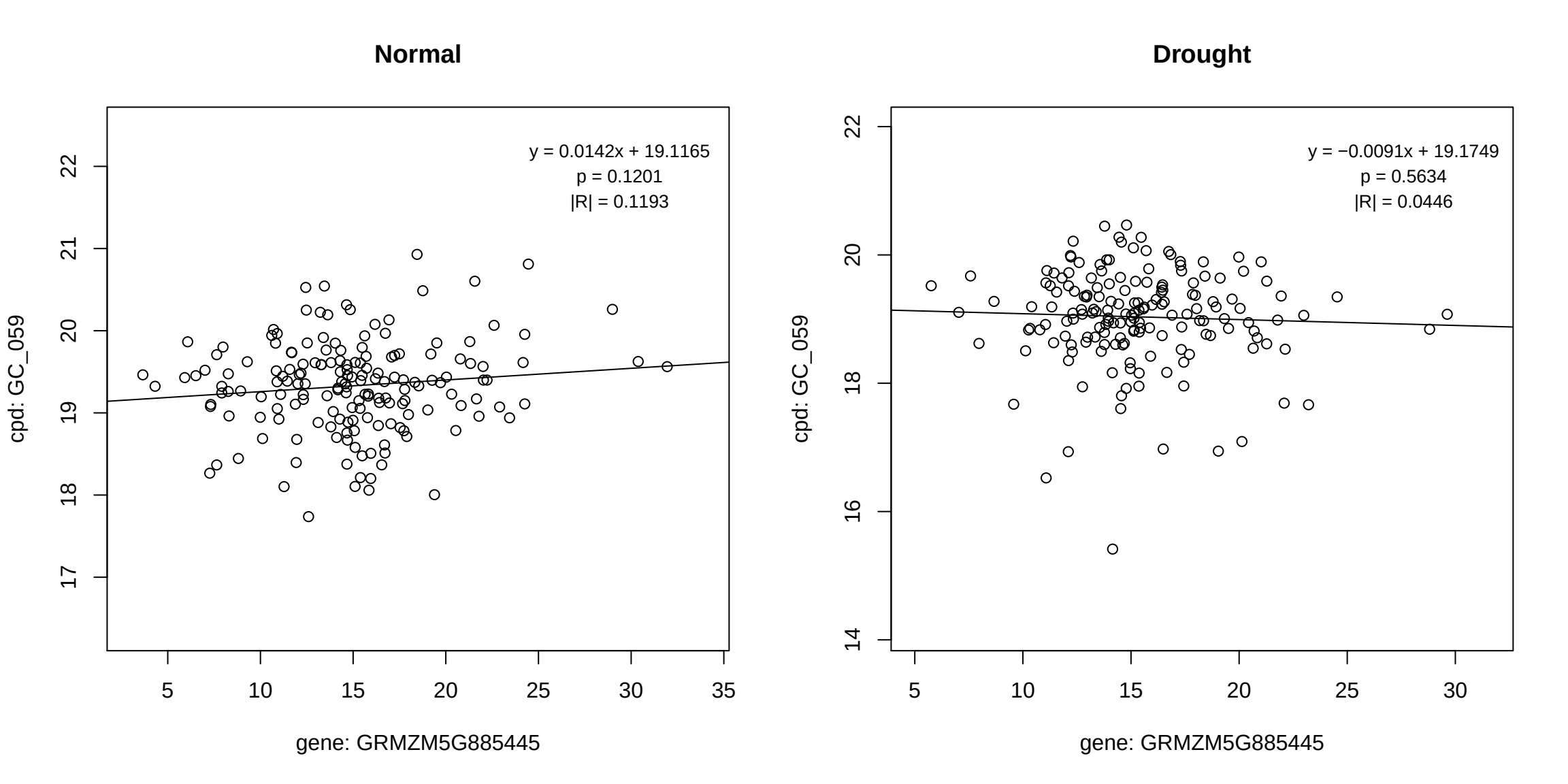

Normal
y = −0.0446x + 11.5206
p = 0.8938
|R| = 0.0103
cpd: GC_011
gene: GRMZM2G137541
Drought
y = −0.9186x + 12.1812
p = 0.1023
|R| = 0.1265
cpd: GC_011
gene: GRMZM2G137541

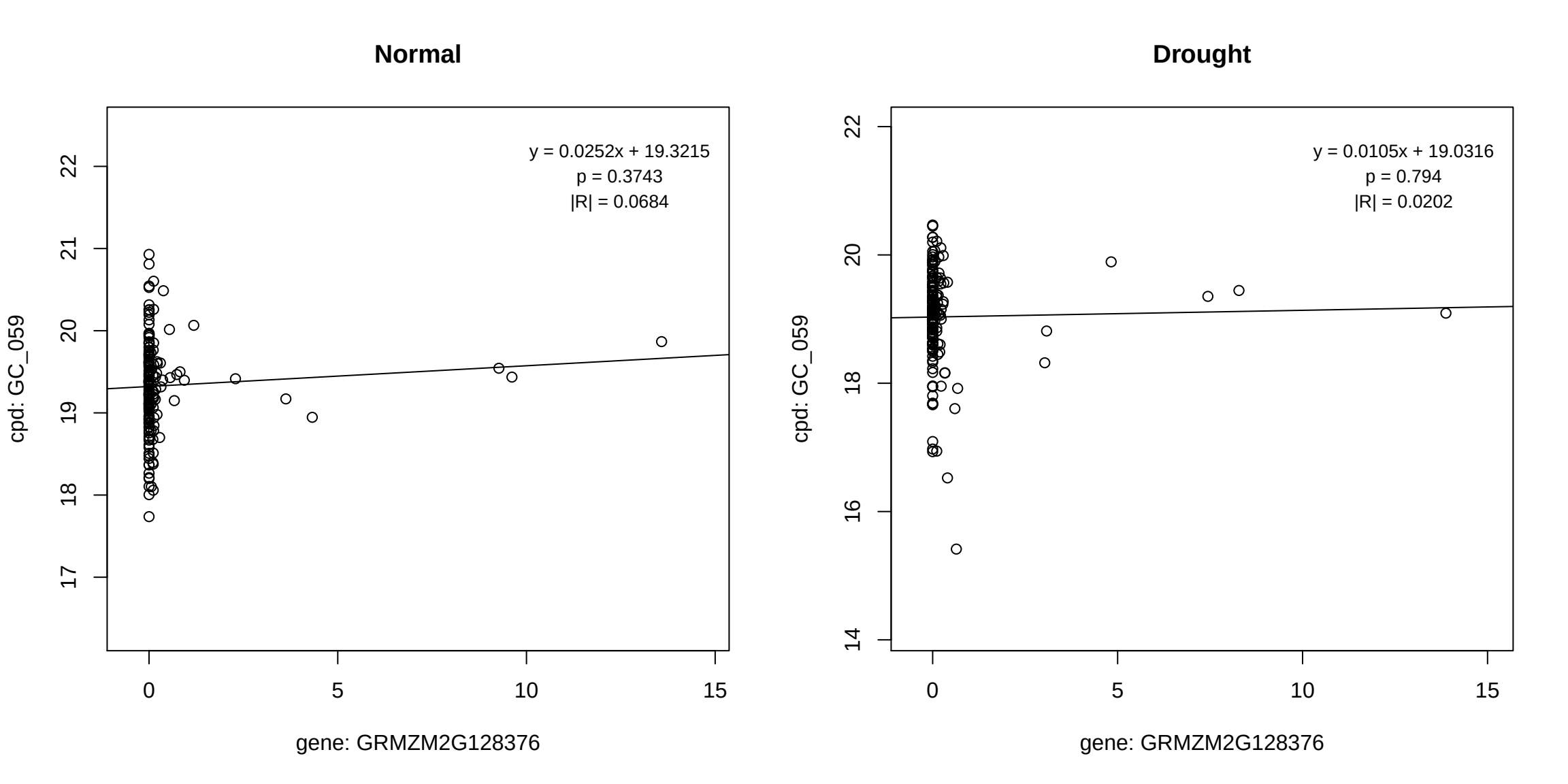

Normal
y = −0.0084x + 11.7494
p = 0.2046
|R| = 0.0975
cpd: GC_011
gene: GRMZM2G137558
Drought
y = −2e−04x + 12.0958
p = 0.99
|R| = 0.001
cpd: GC_011
gene: GRMZM2G137558

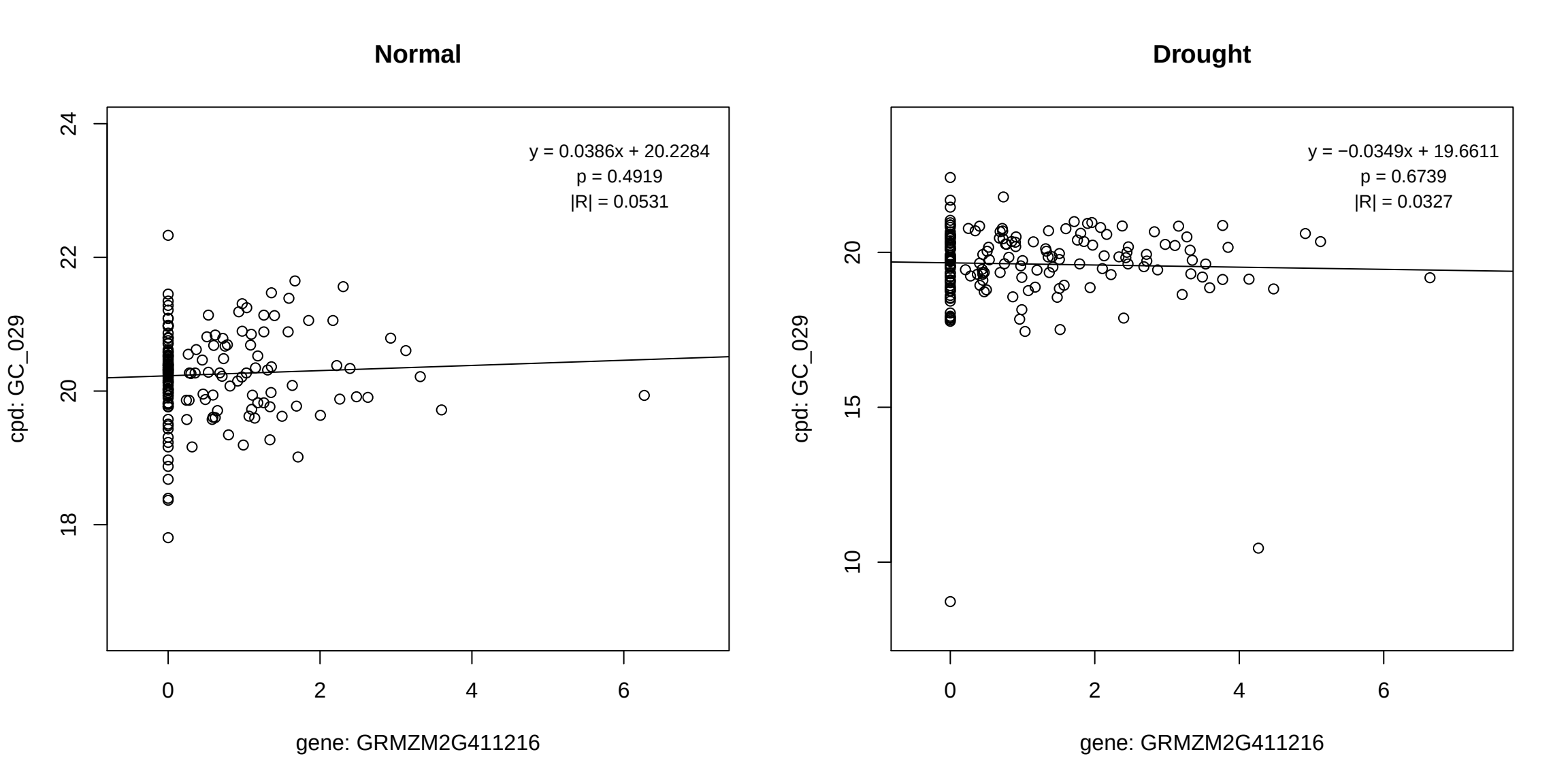

Normal
cpd: GC_011
gene: GRMZM2G137551
drought
cpd: GC_011
gene: GRMZM2G137551

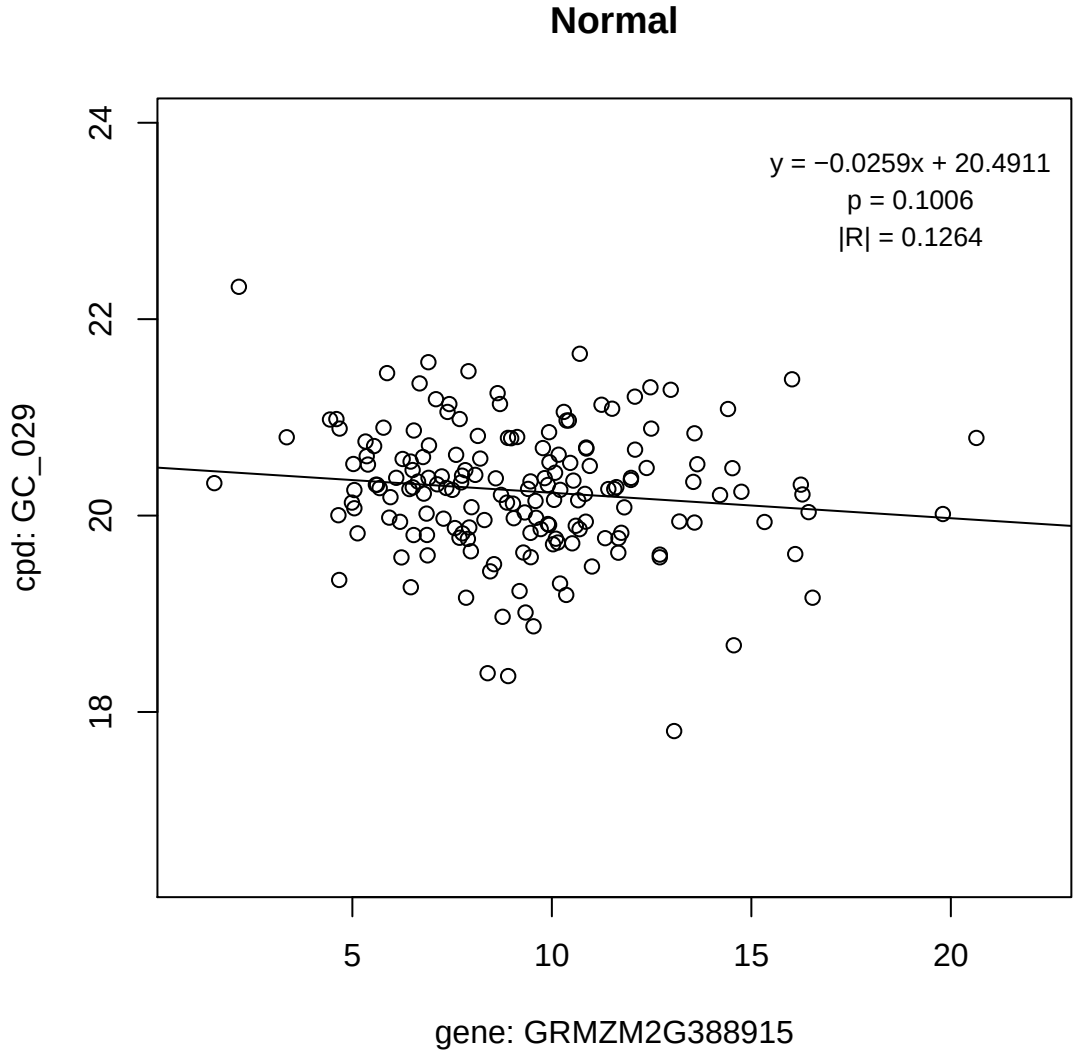

Normal
y = −0.0111x + 11.6238
p = 0.4203
|R| = 0.062
cpd: GC_011
gene: GRMZM2G137477
Drought
y = −0.0486x + 12.5991
p = 0.089
|R| = 0.1316
cpd: GC_011
gene: GRMZM2G137477

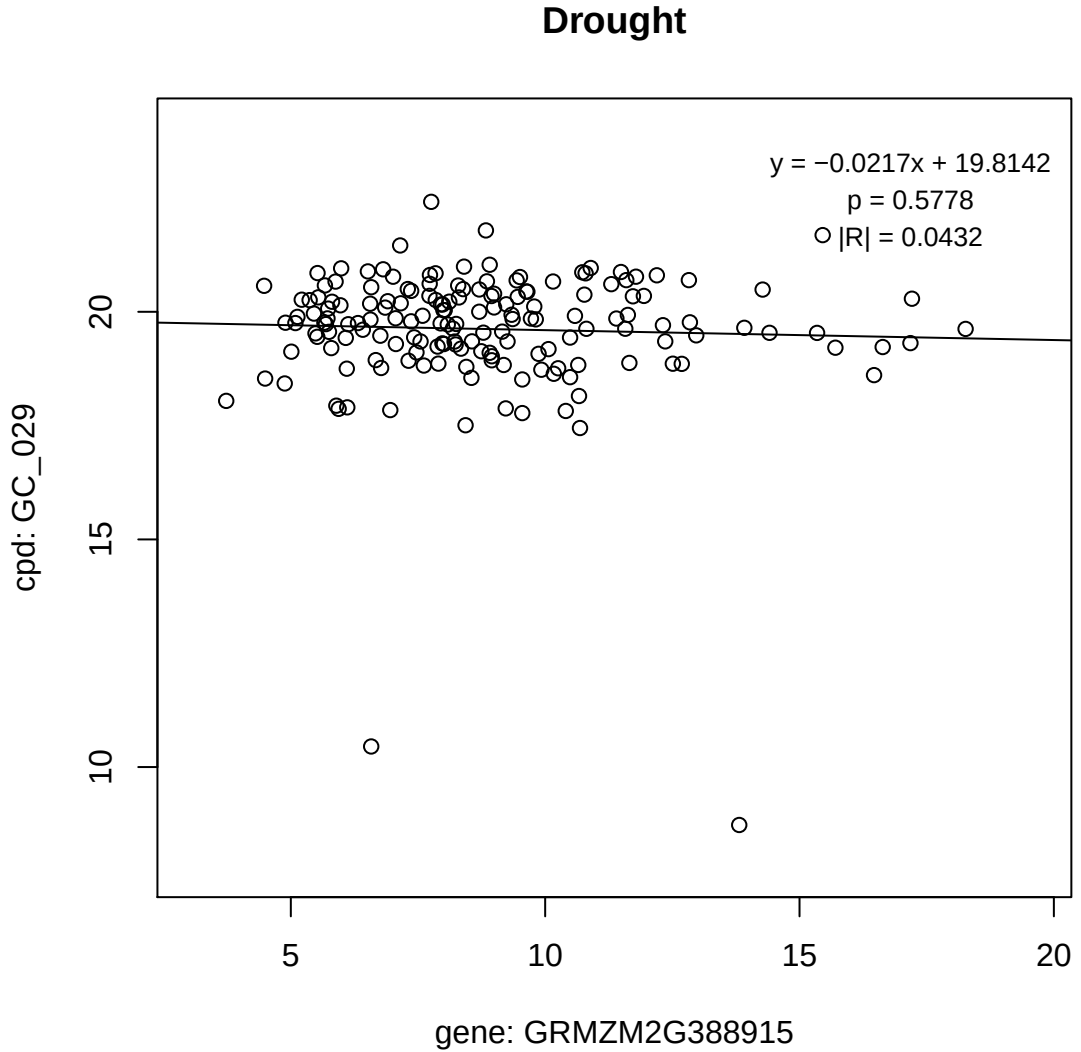

Normal
y = 0.0644x + 11.509
p = 0.7311
|R| = 0.0265
cpd: GC_011
gene: GRMZM2G058862
Drought
y = −0.1639x + 12.1336
p = 0.1644
|R| = 0.1078
cpd: GC_011
gene: GRMZM2G058862

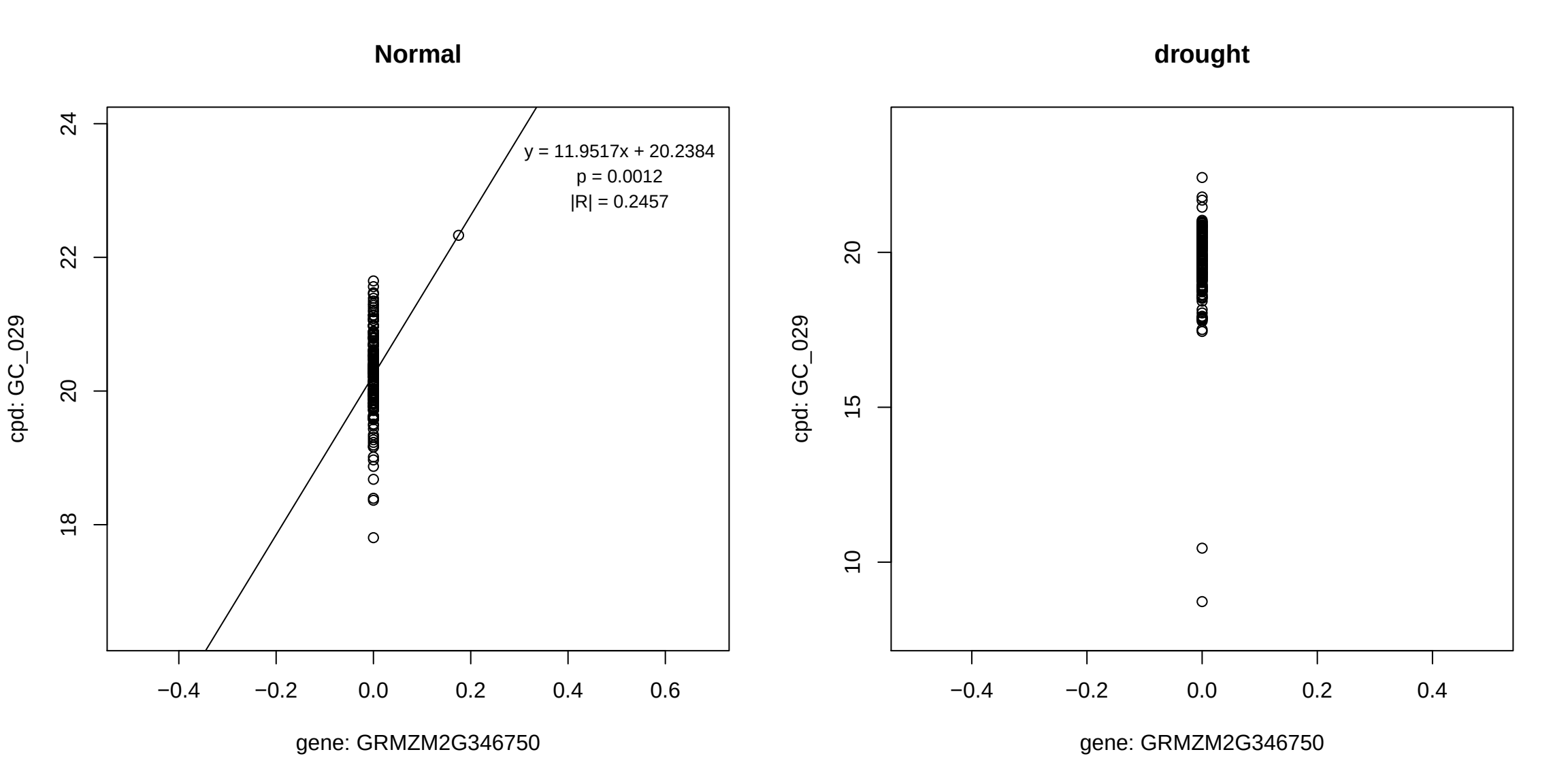

Normal
y = 0.0142x + 19.1165
p = 0.1201
|R| = 0.1193
cpd: GC_059
gene: GRMZM5G885445
Drought
y = −0.0091x + 19.1749
p = 0.5634
|R| = 0.0446
cpd: GC_059
gene: GRMZM5G885445

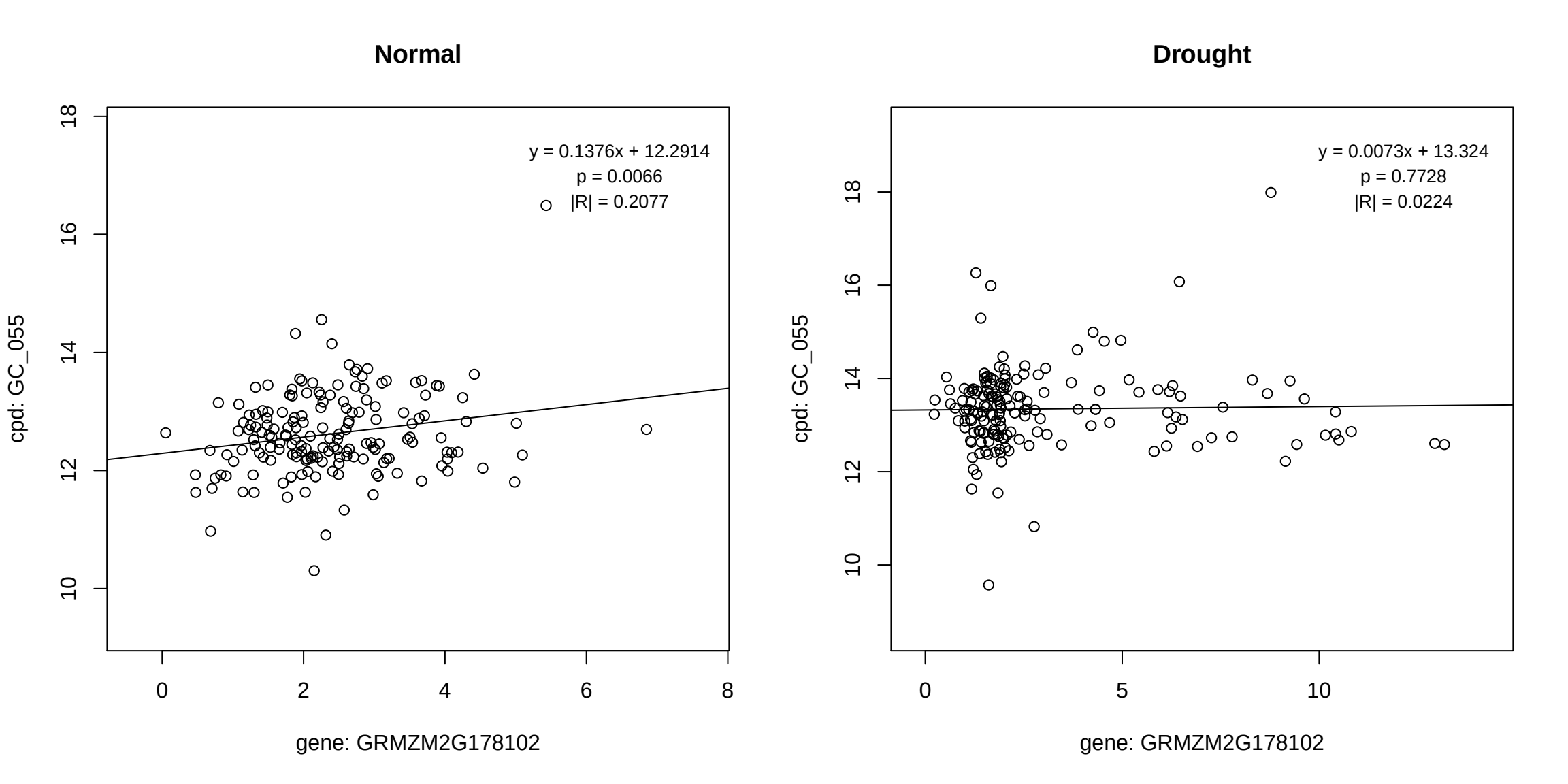

Normal
y = 0.0252x + 19.3215
p = 0.3743
|R| = 0.0684
cpd: GC_059
gene: GRMZM2G128376
Drought
y = 0.0105x + 19.0316
p = 0.794
|R| = 0.0202
cpd: GC_059
gene: GRMZM2G128376

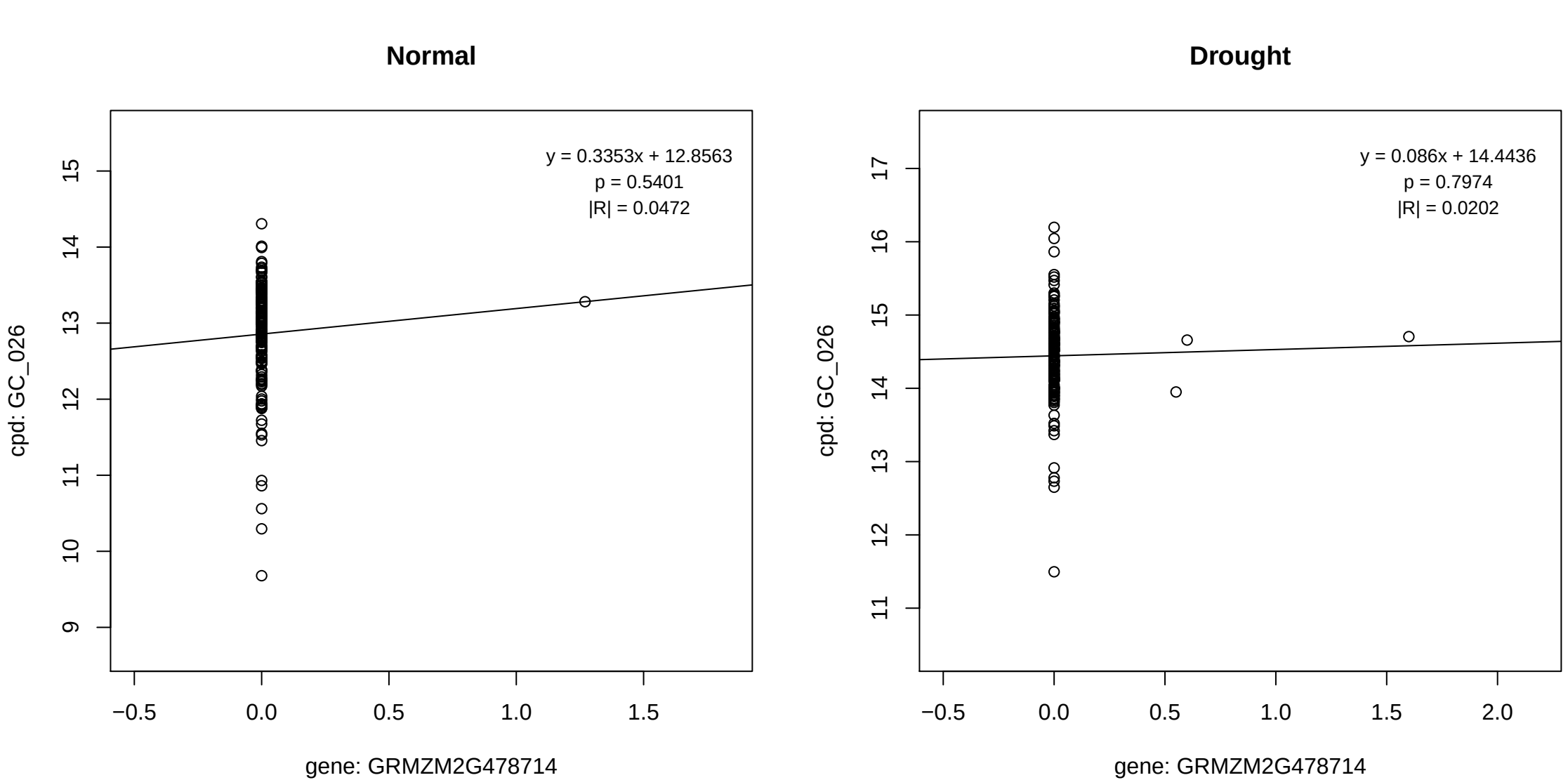

Normal
y = 0.0386x + 20.2284
p = 0.4919
|R| = 0.0531
cpd: GC_029
gene: GRMZM2G411216
Drought
y = −0.0349x + 19.6611
p = 0.6739
|R| = 0.0327
cpd: GC_029
gene: GRMZM2G411216

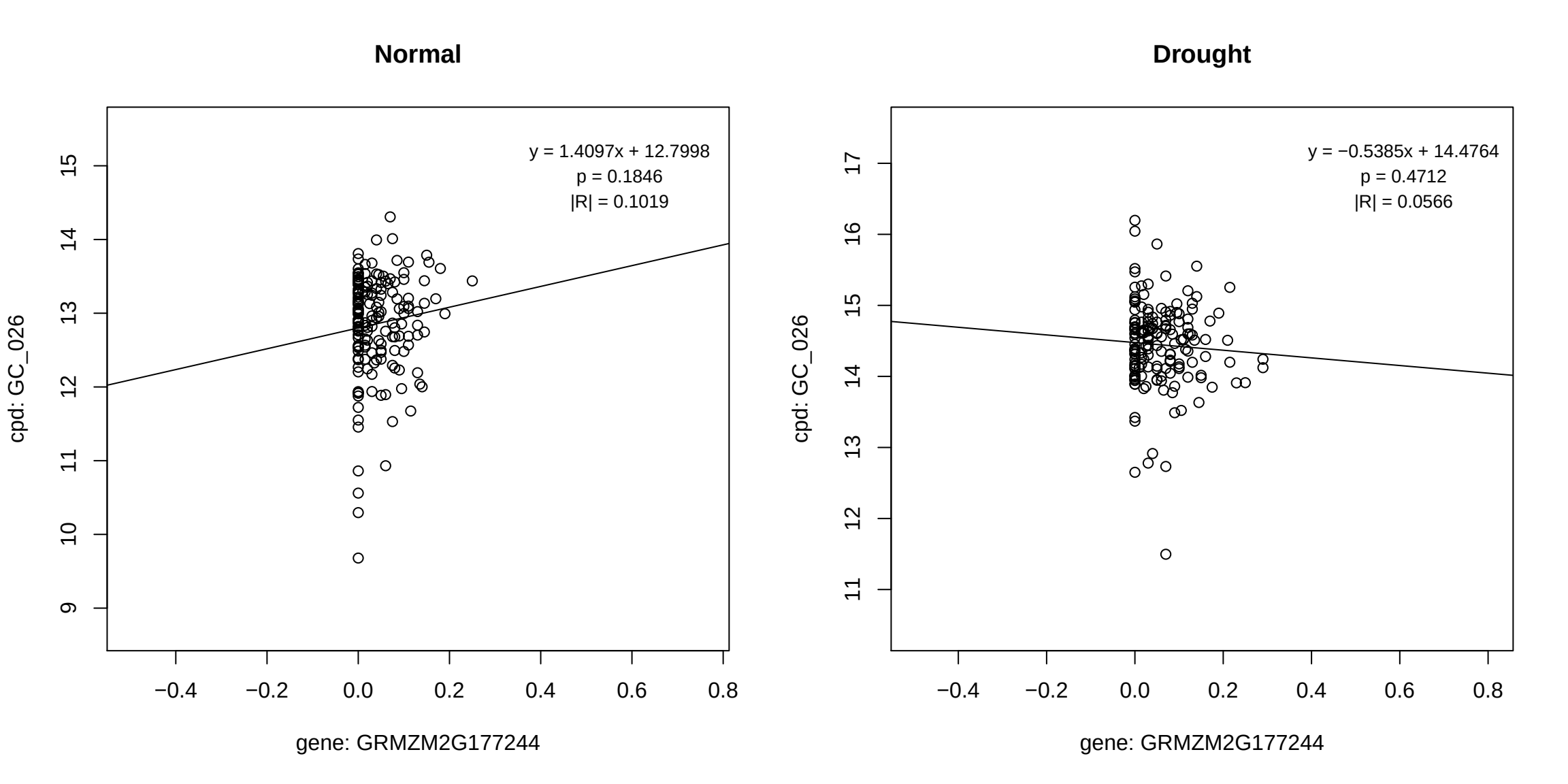

Normal
y = −0.0259x + 20.4911
p = 0.1006
|R| = 0.1264
cpd: GC_029
gene: GRMZM2G388915
18
20
22
24
5
10
15
20

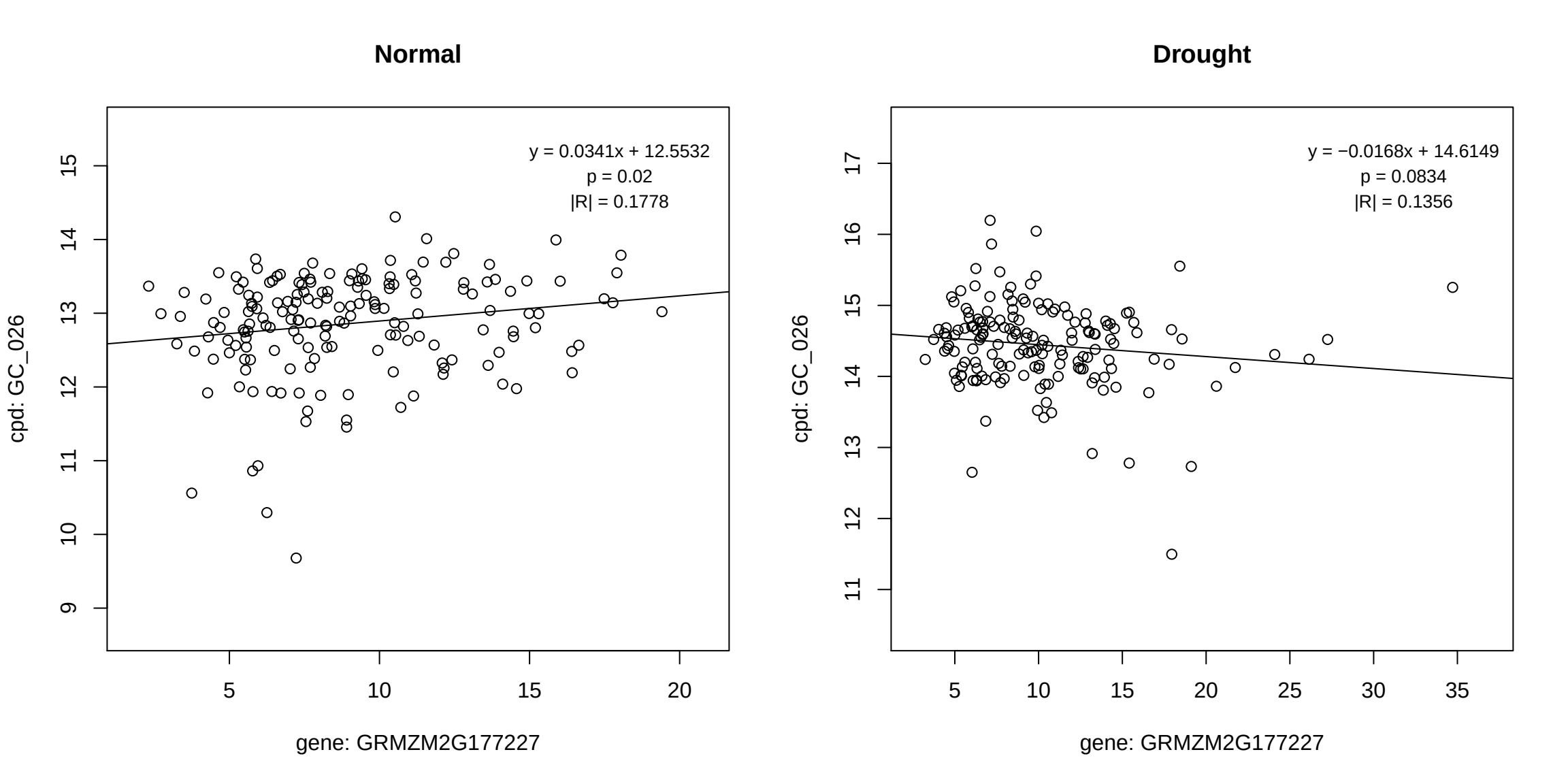

Drought
y = −0.0217x + 19.8142
p = 0.5778
|R| = 0.0432
cpd: GC_029
gene: GRMZM2G388915
10
15
20
5
10
15
20

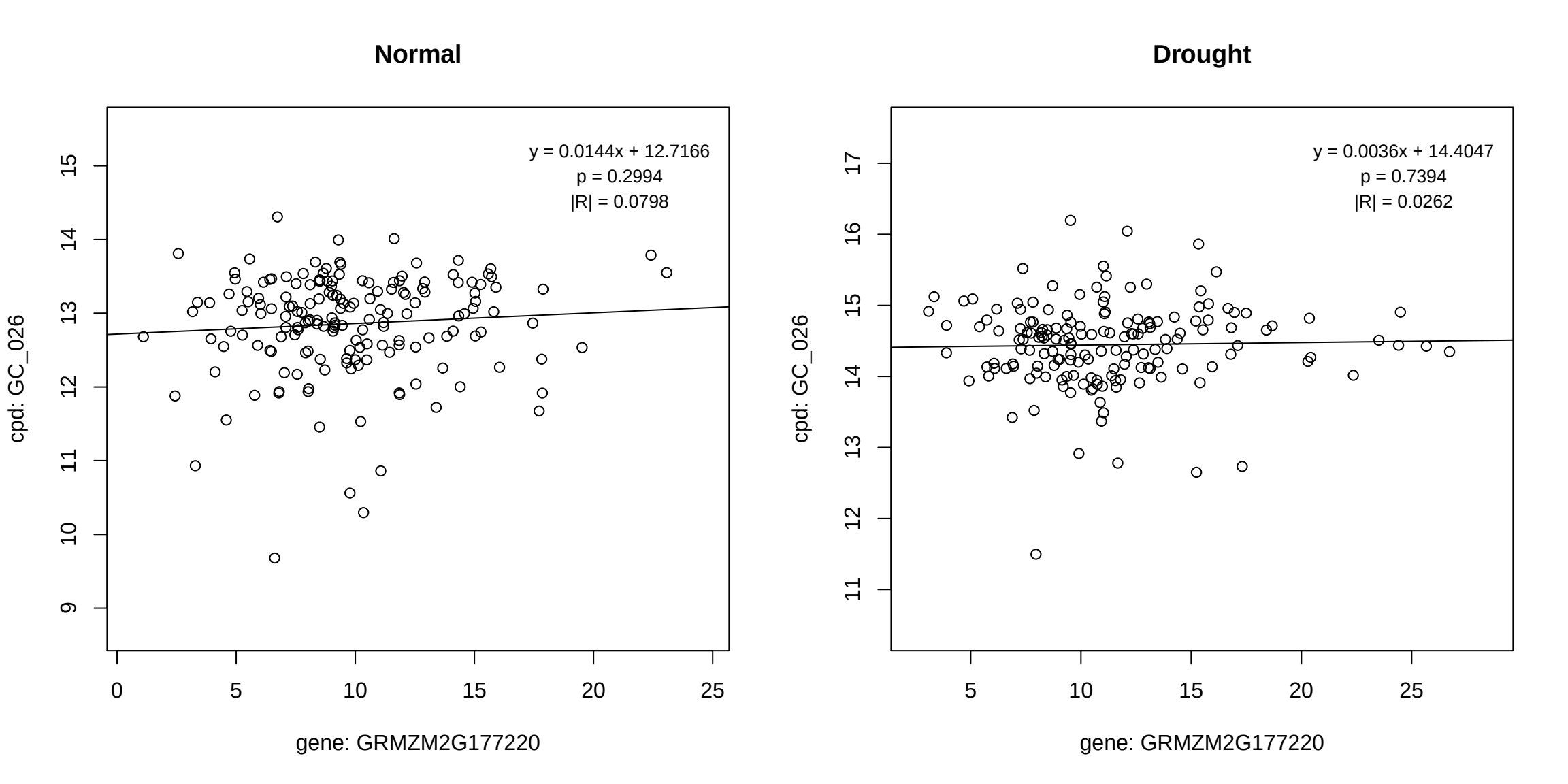

Normal
y = 11.9517x + 20.2384
p = 0.0012
|R| = 0.2457
cpd: GC_029
gene: GRMZM2G346750
drought
cpd: GC_029
gene: GRMZM2G346750

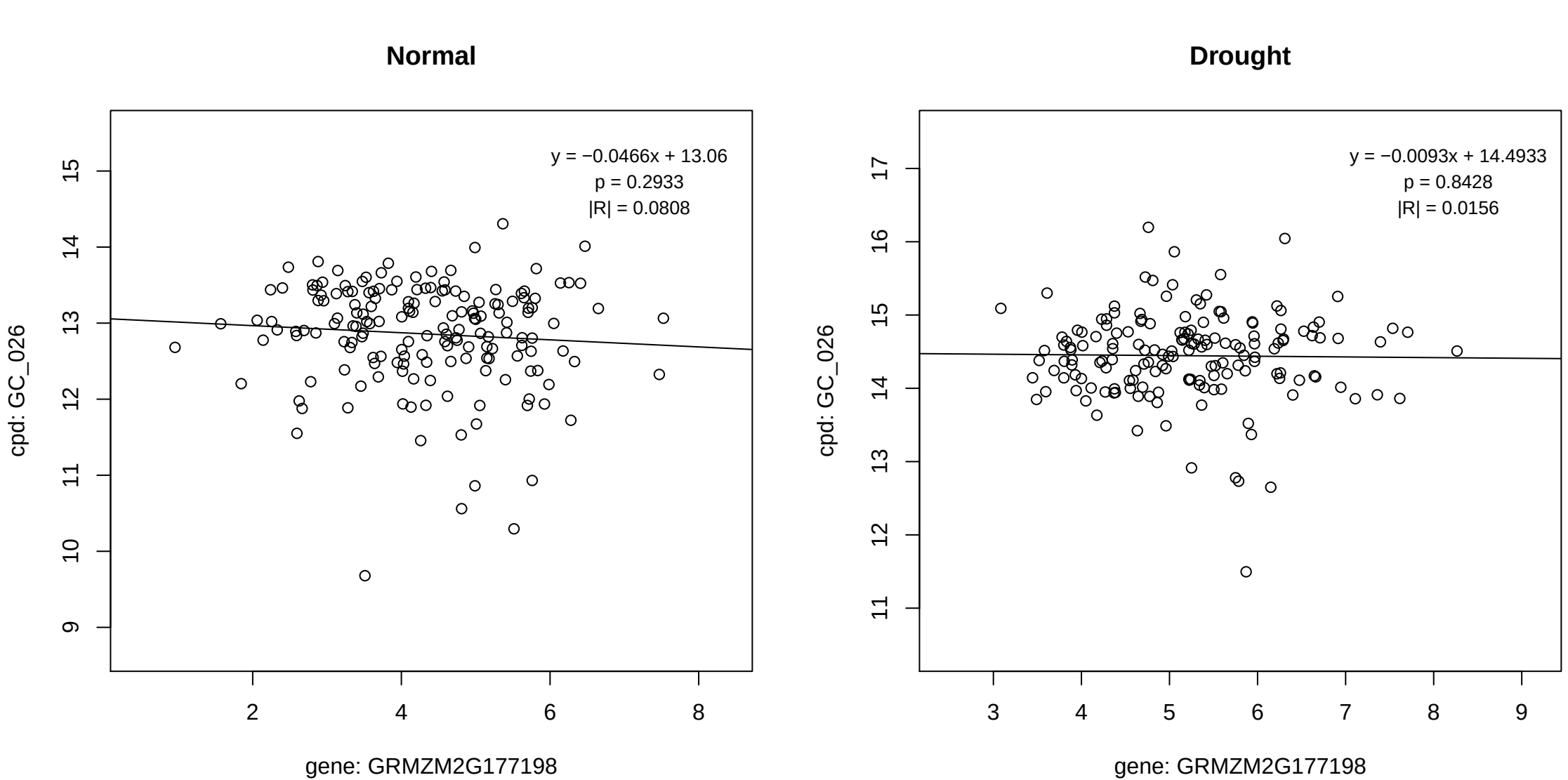

Normal
y = 0.1376x + 12.2914
p = 0.0066
|R| = 0.2077
cpd: GC_055
gene: GRMZM2G178102
Drought
y = 0.0073x + 13.324
p = 0.7728
|R| = 0.0224
cpd: GC_055
gene: GRMZM2G178102

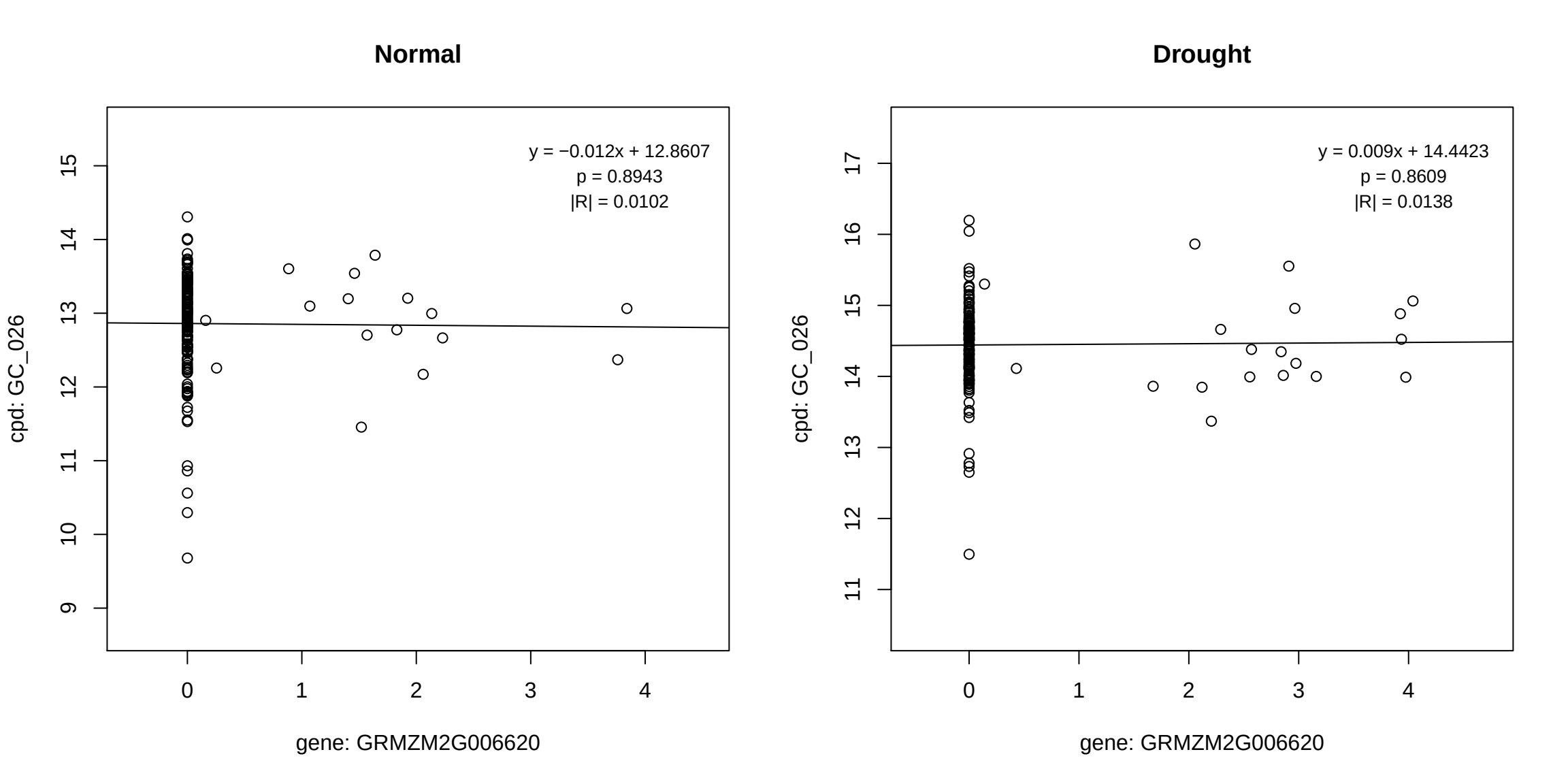

Normal
y = 0.3353x + 12.8563
p = 0.5401
|R| = 0.0472
cpd: GC_026
gene: GRMZM2G478714
Drought
y = 0.086x + 14.4436
p = 0.7974
|R| = 0.0202
cpd: GC_026
gene: GRMZM2G478714

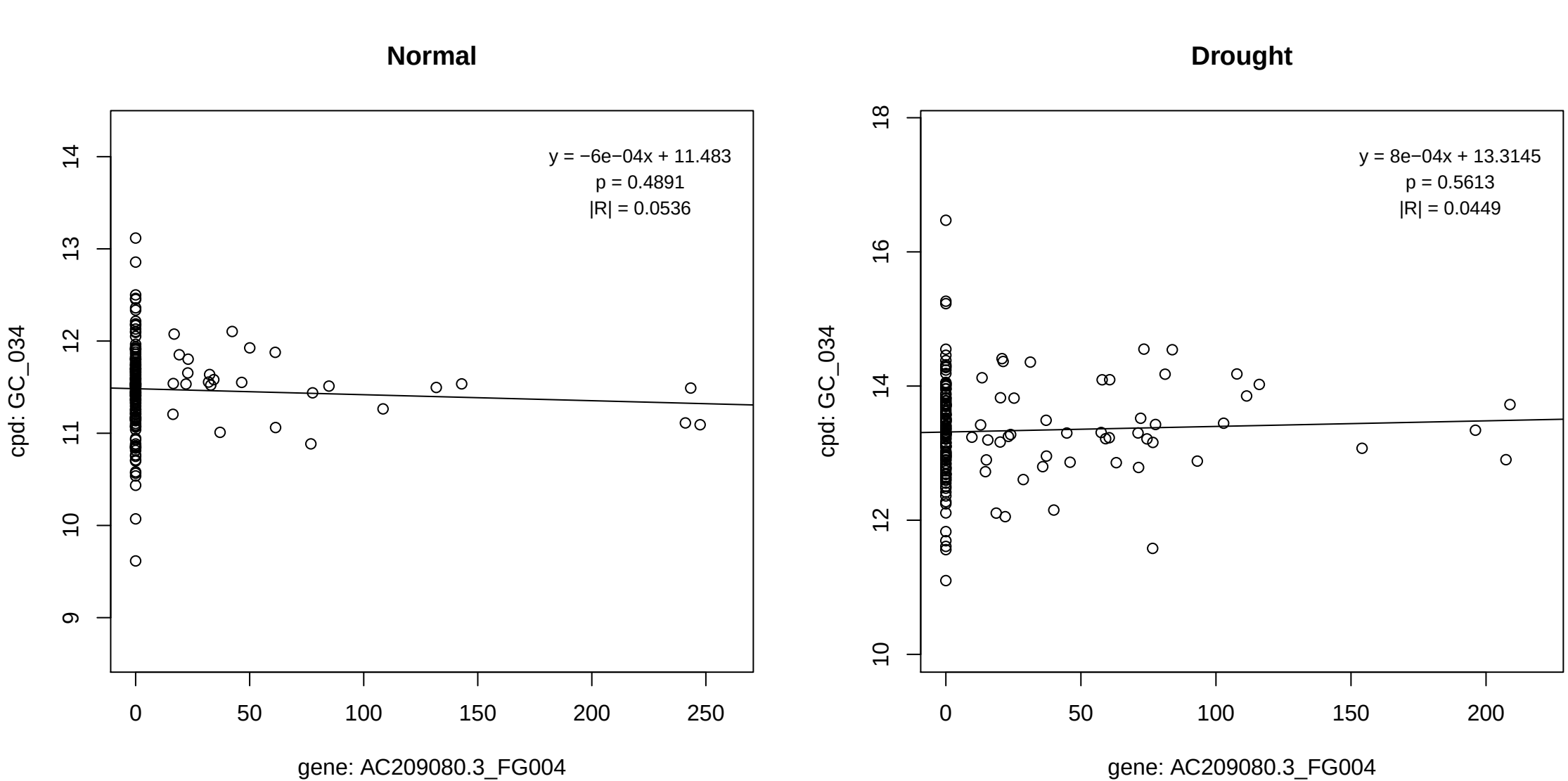

Normal
y = 1.4097x + 12.7998
p = 0.1846
|R| = 0.1019
cpd: GC_026
gene: GRMZM2G177244
Drought
y = −0.5385x + 14.4764
p = 0.4712
|R| = 0.0566
cpd: GC_026
gene: GRMZM2G177244

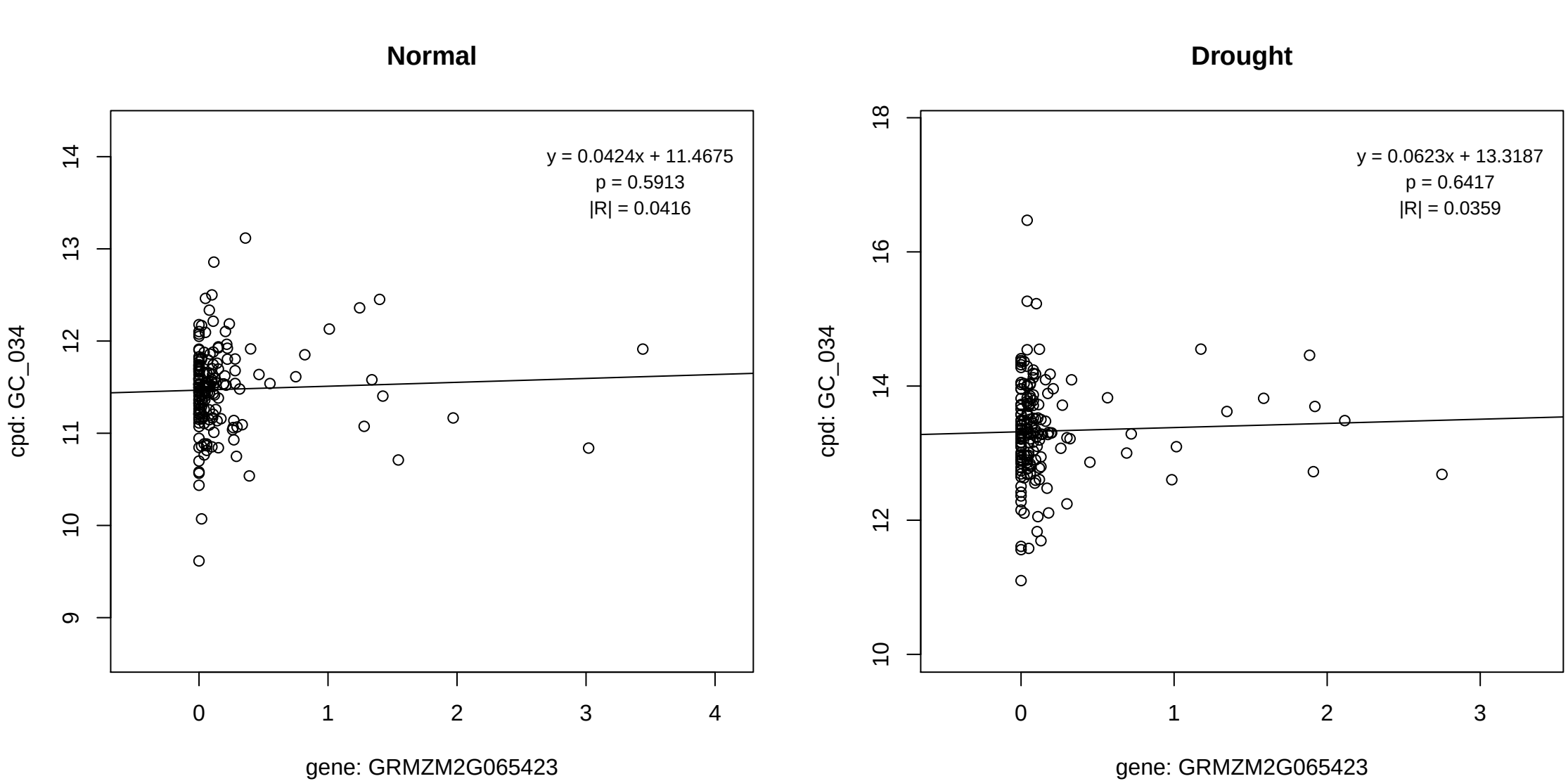

Normal
y = 0.0341x + 12.5532
p = 0.02
|R| = 0.1778
cpd: GC_026
gene: GRMZM2G177227
Drought
y = −0.0168x + 14.6149
p = 0.0834
|R| = 0.1356
cpd: GC_026
gene: GRMZM2G177227

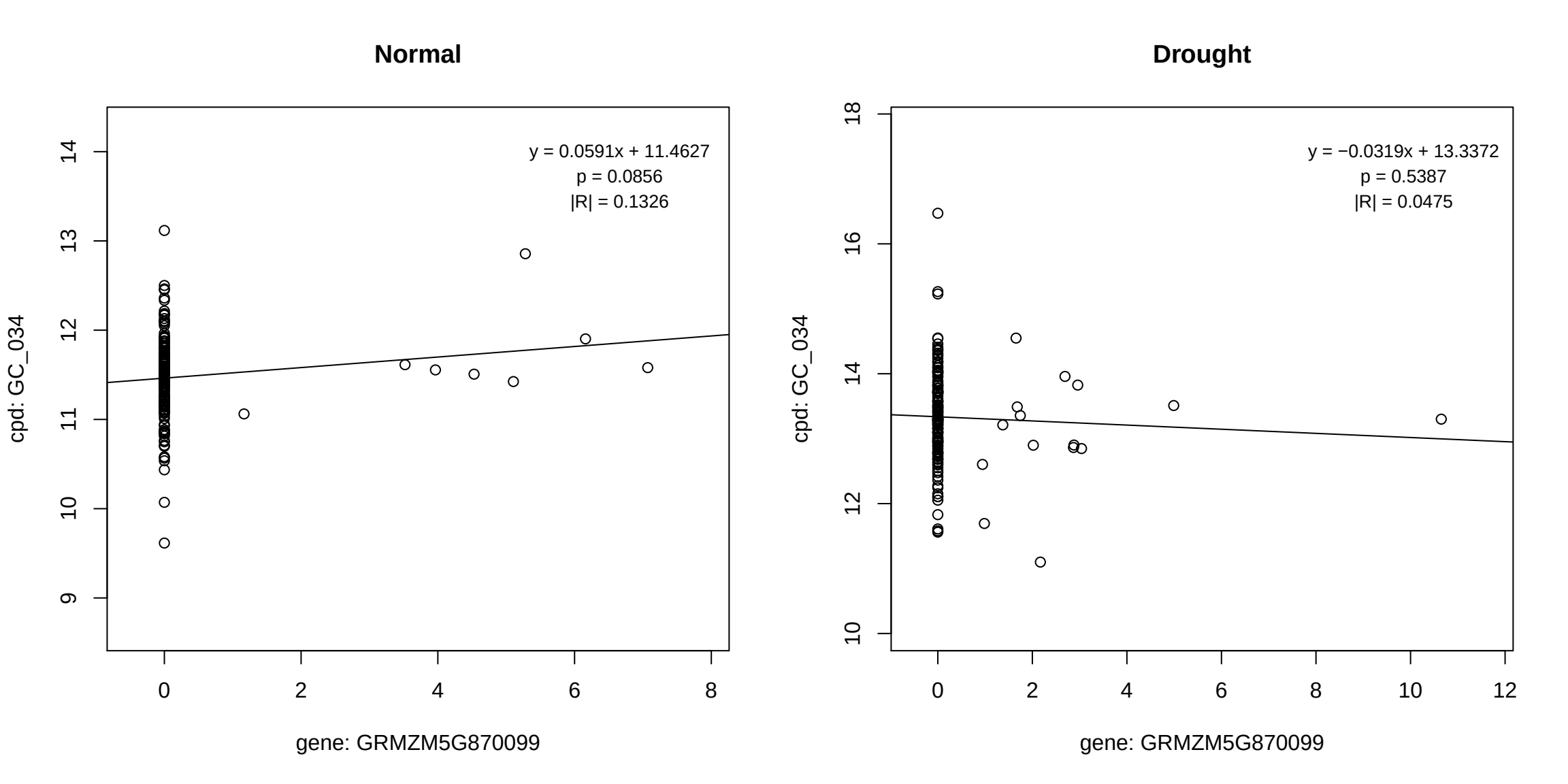

Normal
y = 0.0144x + 12.7166
p = 0.2994
|R| = 0.0798
cpd: GC_026
gene: GRMZM2G177220
Drought
y = 0.0036x + 14.4047
p = 0.7394
|R| = 0.0262
cpd: GC_026
gene: GRMZM2G177220

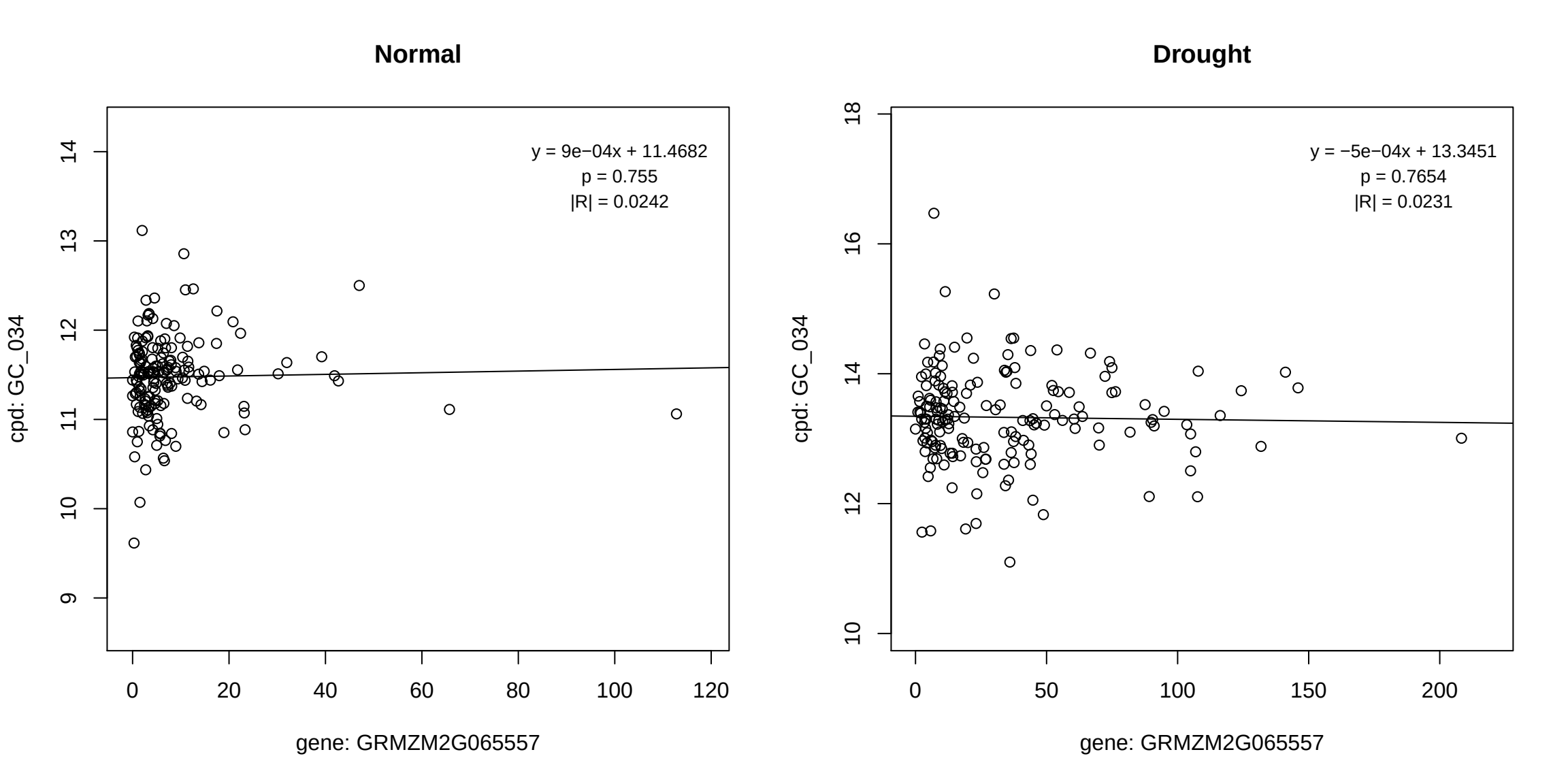

Normal
y = −0.0466x + 13.06
p = 0.2933
|R| = 0.0808
cpd: GC_026
gene: GRMZM2G177198
Drought
y = −0.0093x + 14.4933
p = 0.8428
|R| = 0.0156
cpd: GC_026
gene: GRMZM2G177198

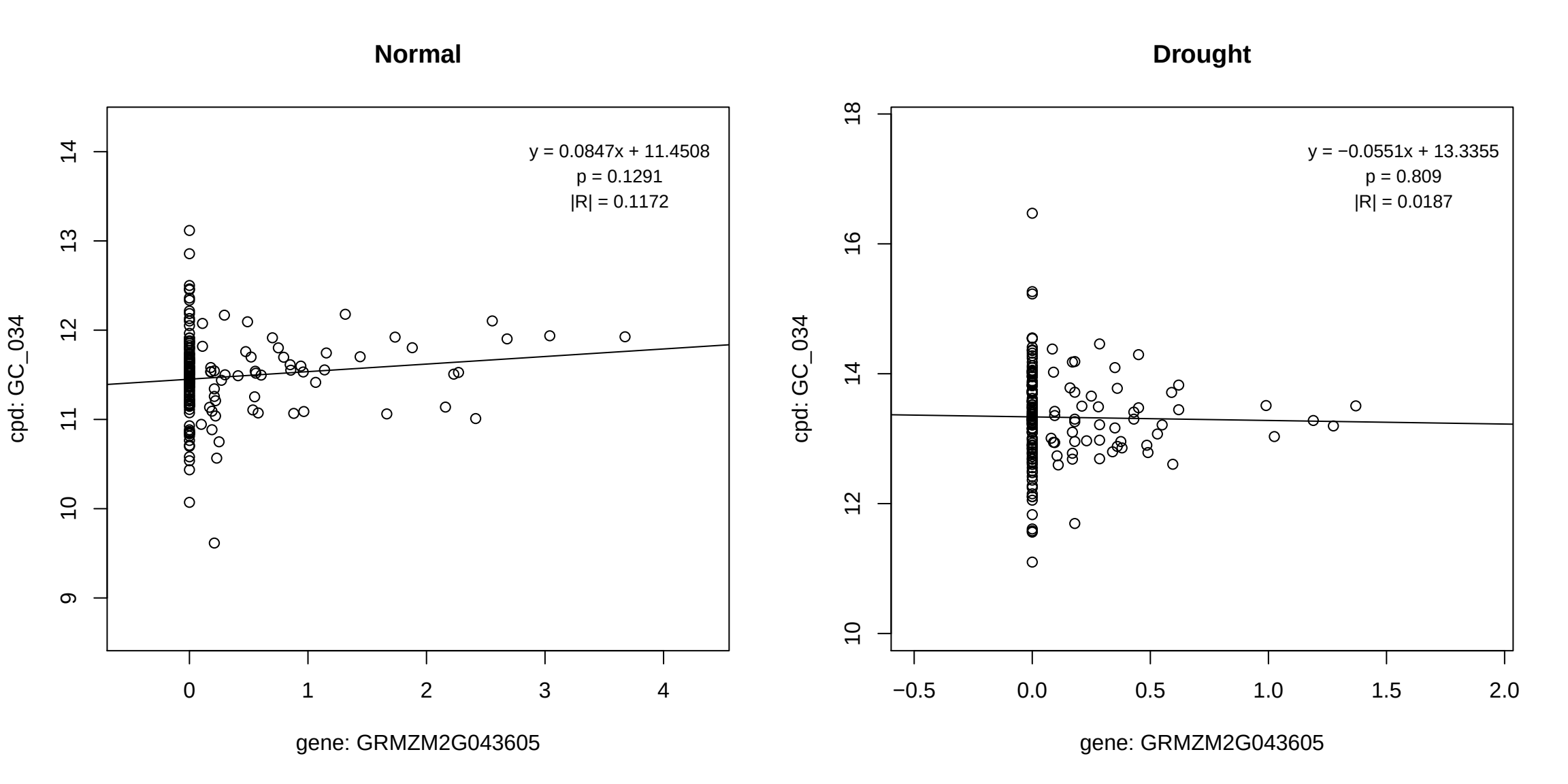

Normal
y = −0.012x + 12.8607
p = 0.8943
|R| = 0.0102
cpd: GC_026
gene: GRMZM2G006620
Drought
y = 0.009x + 14.4423
p = 0.8609
|R| = 0.0138
cpd: GC_026
gene: GRMZM2G006620

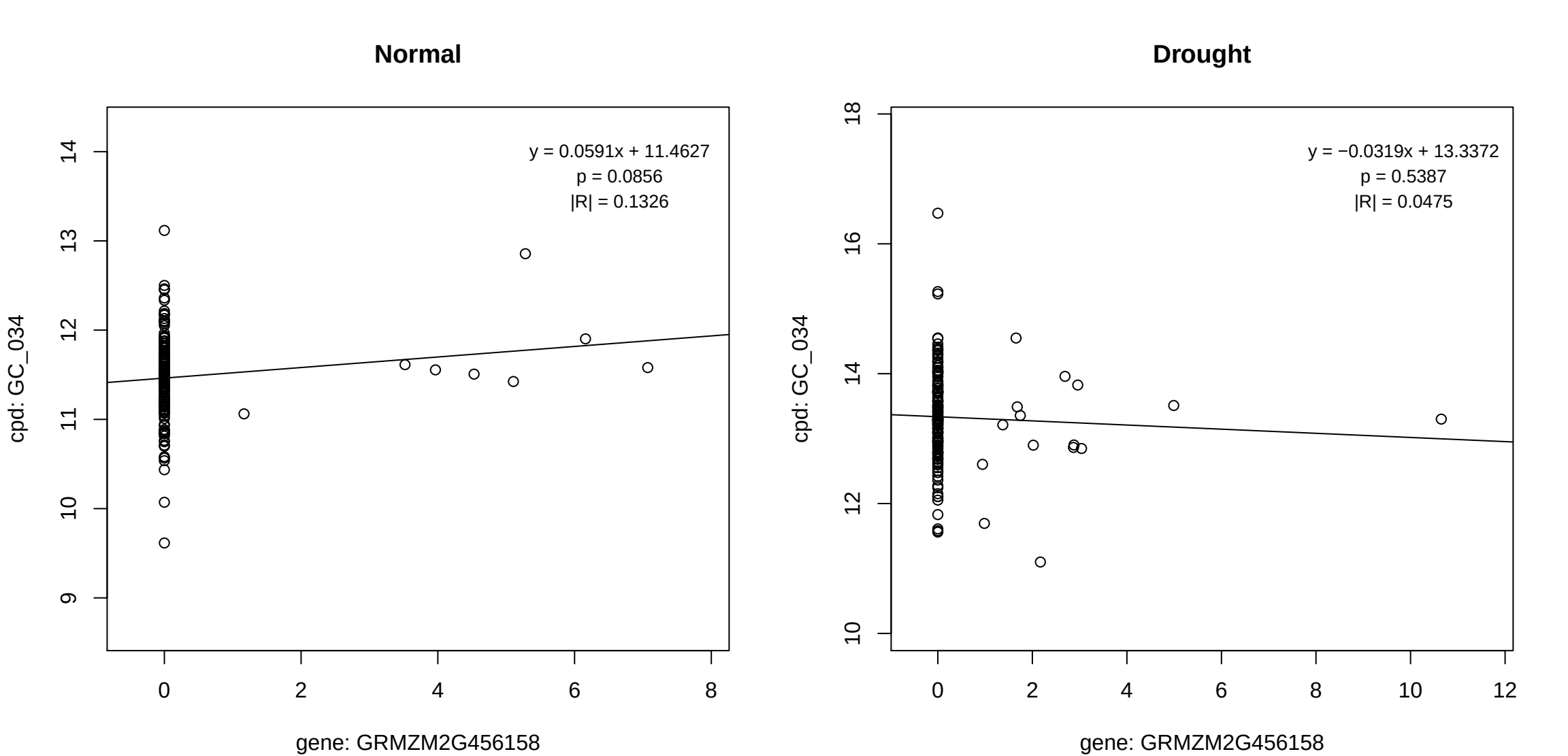

Normal
y = −6e−04x + 11.483
p = 0.4891
|R| = 0.0536
cpd: GC_034
gene: AC209080.3_FG004
Drought
y = 8e−04x + 13.3145
p = 0.5613
|R| = 0.0449
cpd: GC_034
gene: AC209080.3_FG004

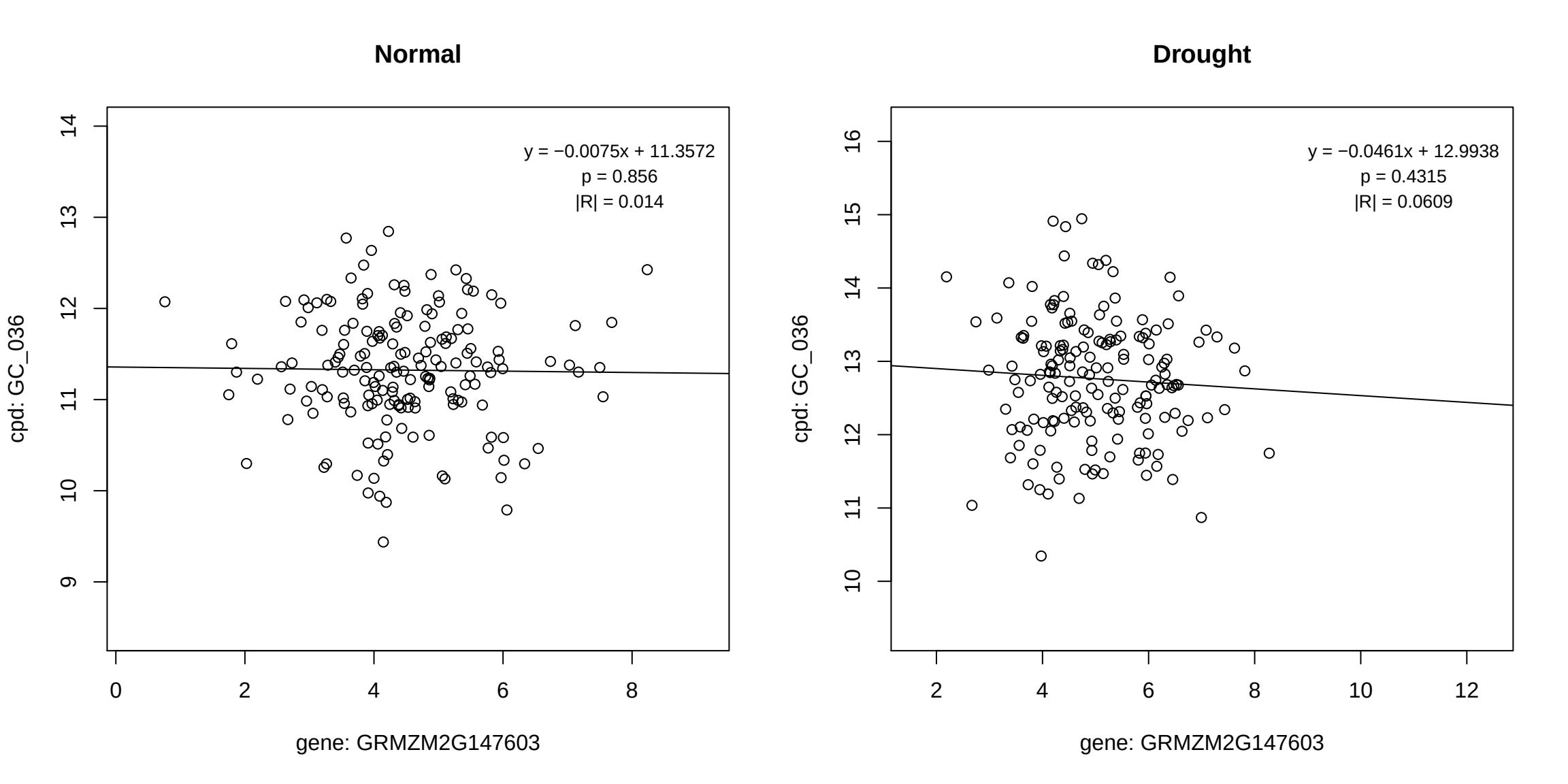

Normal
y = 0.0424x + 11.4675
p = 0.5913
|R| = 0.0416
cpd: GC_034
gene: GRMZM2G065423
Drought
y = 0.0623x + 13.3187
p = 0.6417
|R| = 0.0359
cpd: GC_034
gene: GRMZM2G065423

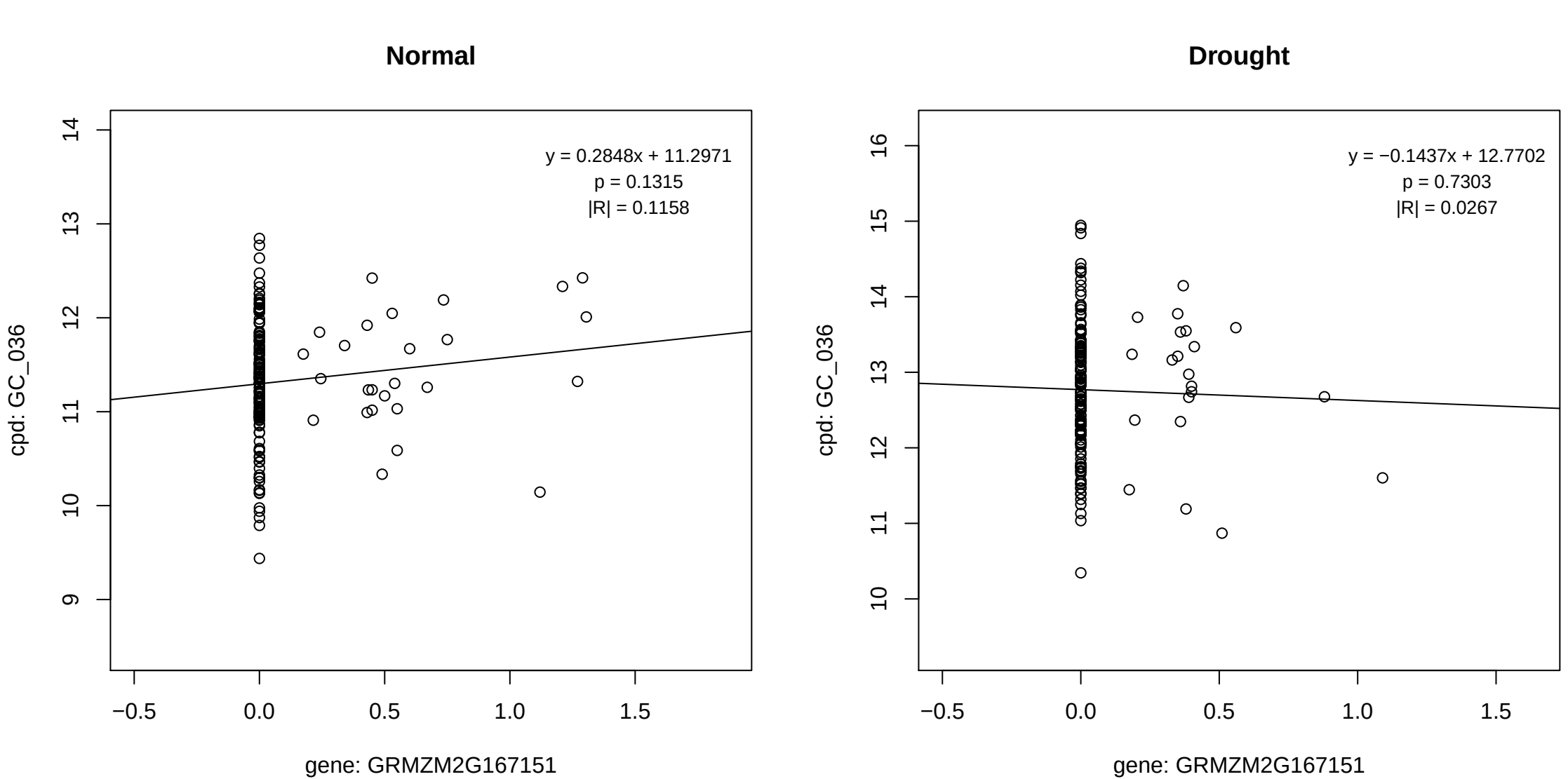

Normal
y = 0.0591x + 11.4627
p = 0.0856
|R| = 0.1326
cpd: GC_034
gene: GRMZM5G870099
Drought
y = −0.0319x + 13.3372
p = 0.5387
|R| = 0.0475
cpd: GC_034
gene: GRMZM5G870099

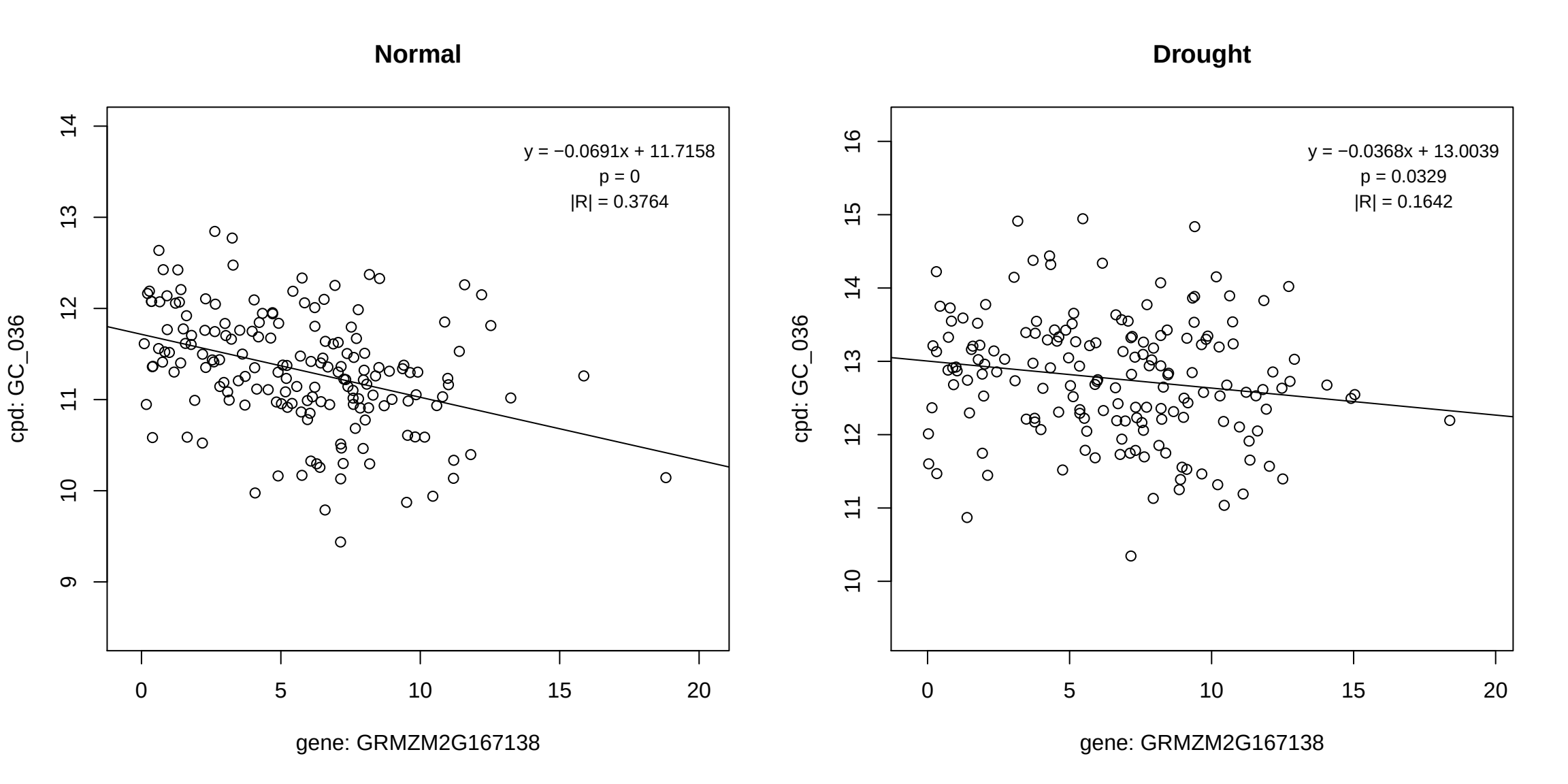

Normal
y = 9e−04x + 11.4682
p = 0.755
|R| = 0.0242
cpd: GC_034
gene: GRMZM2G065557
Drought
y = −5e−04x + 13.3451
p = 0.7654
|R| = 0.0231
cpd: GC_034
gene: GRMZM2G065557

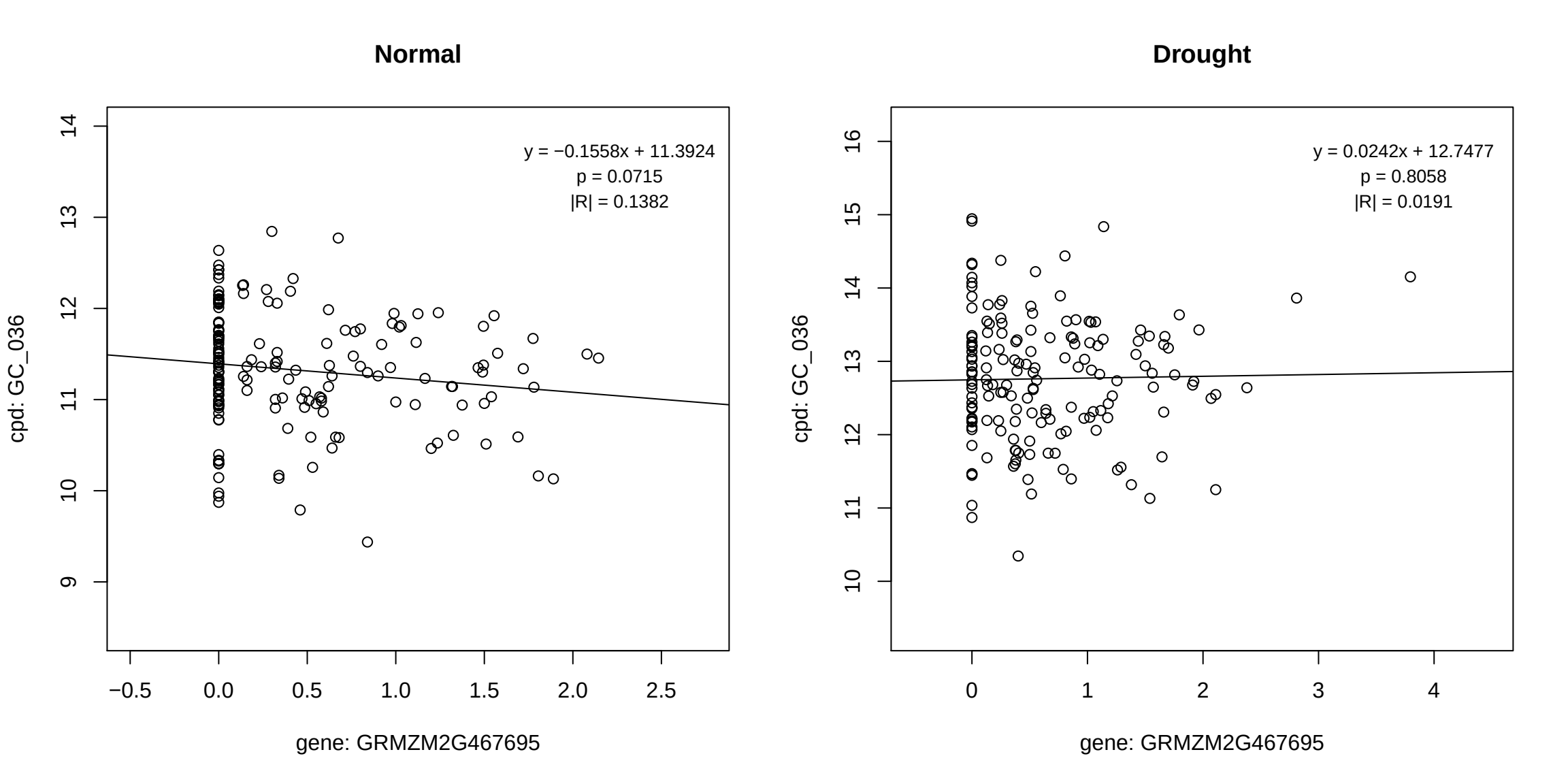

Normal
y = 0.0847x + 11.4508
p = 0.1291
|R| = 0.1172
cpd: GC_034
gene: GRMZM2G043605
Drought
y = −0.0551x + 13.3355
p = 0.809
|R| = 0.0187
cpd: GC_034
gene: GRMZM2G043605

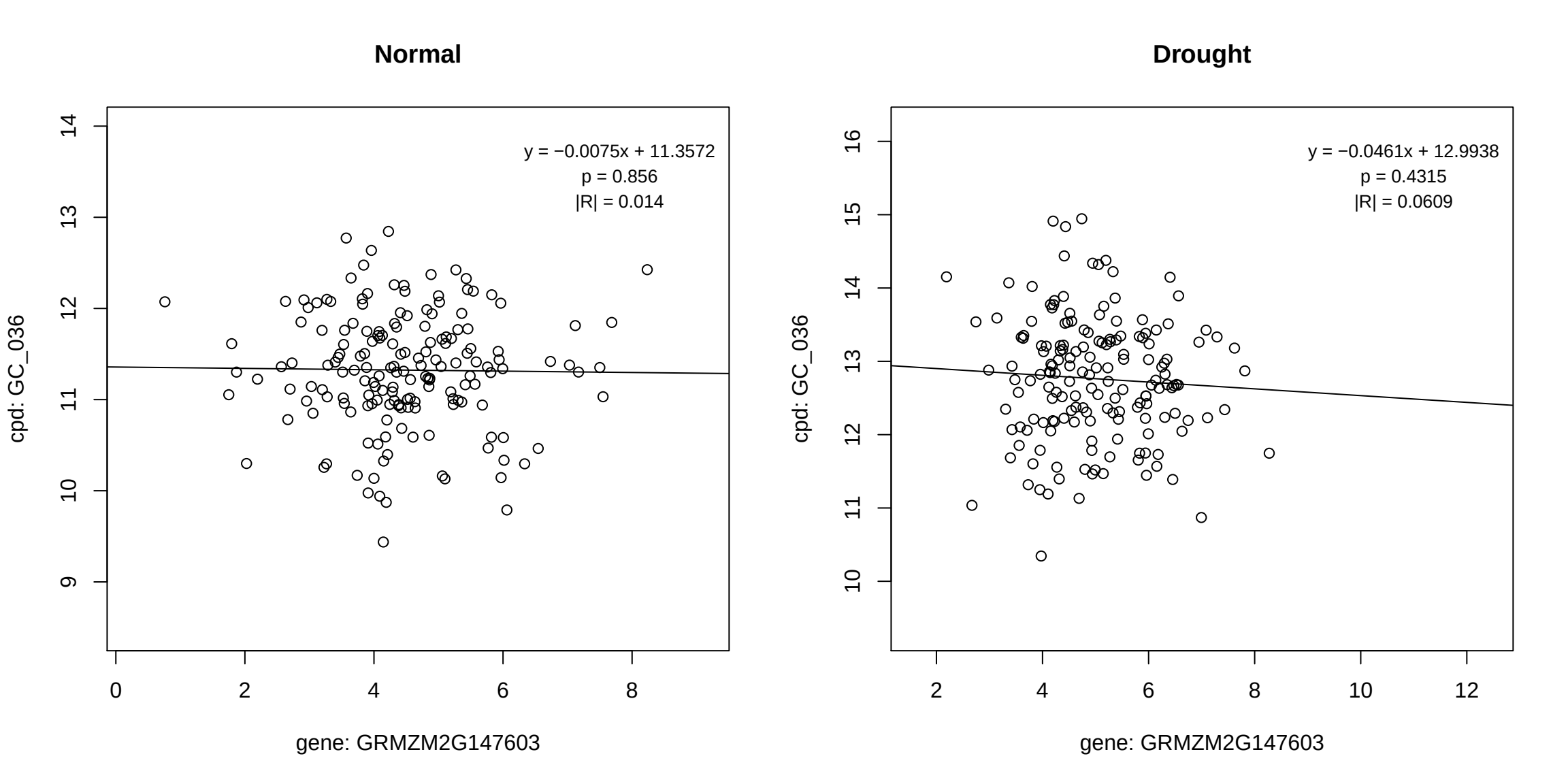

Normal
y = 0.0591x + 11.4627
p = 0.0856
|R| = 0.1326
cpd: GC_034
gene: GRMZM2G456158
Drought
y = −0.0319x + 13.3372
p = 0.5387
|R| = 0.0475
cpd: GC_034
gene: GRMZM2G456158

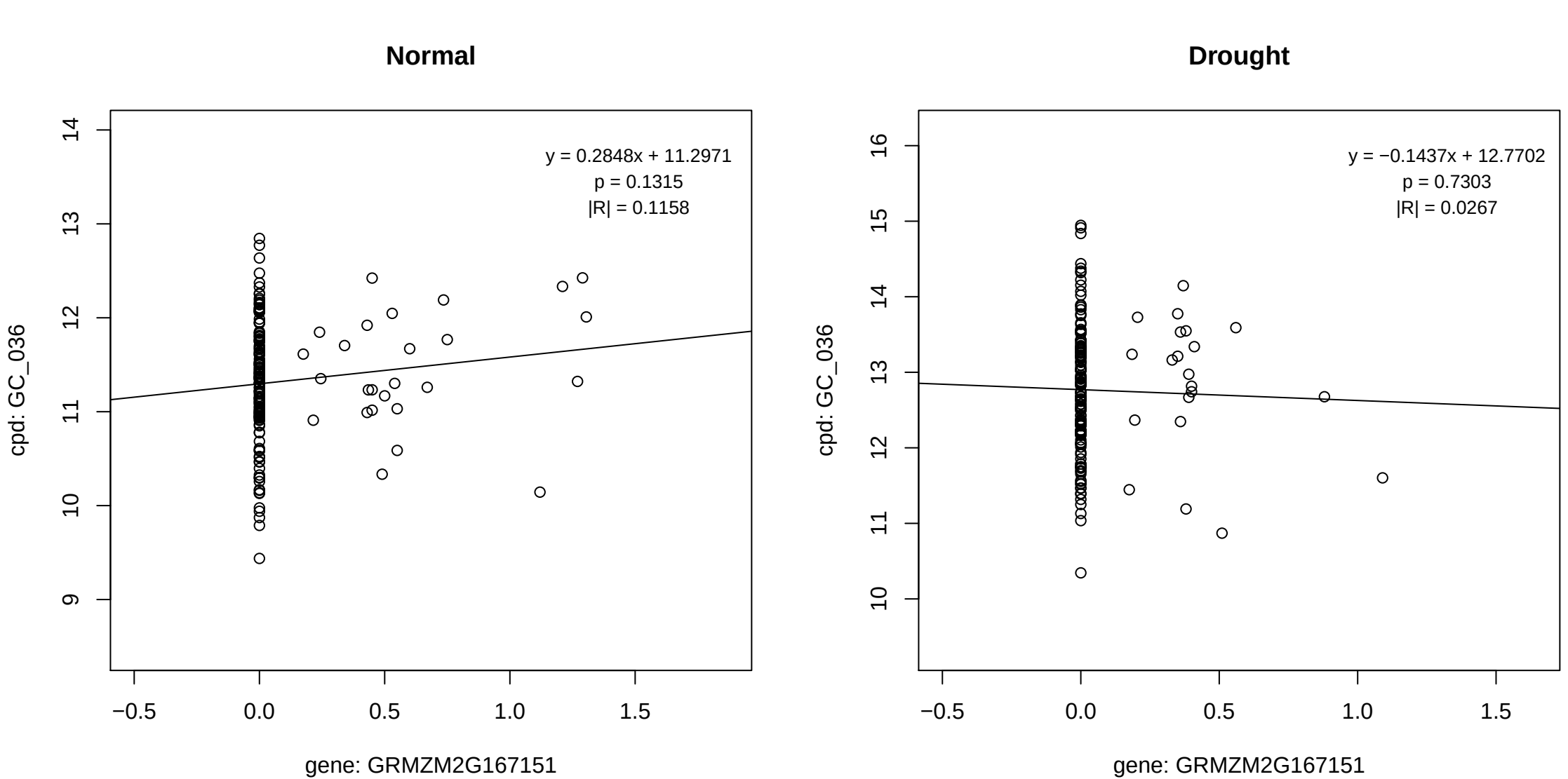

Normal
y = −0.0075x + 11.3572
p = 0.856
|R| = 0.014
cpd: GC_036
gene: GRMZM2G147603
Drought
y = −0.0461x + 12.9938
p = 0.4315
|R| = 0.0609
cpd: GC_036
gene: GRMZM2G147603

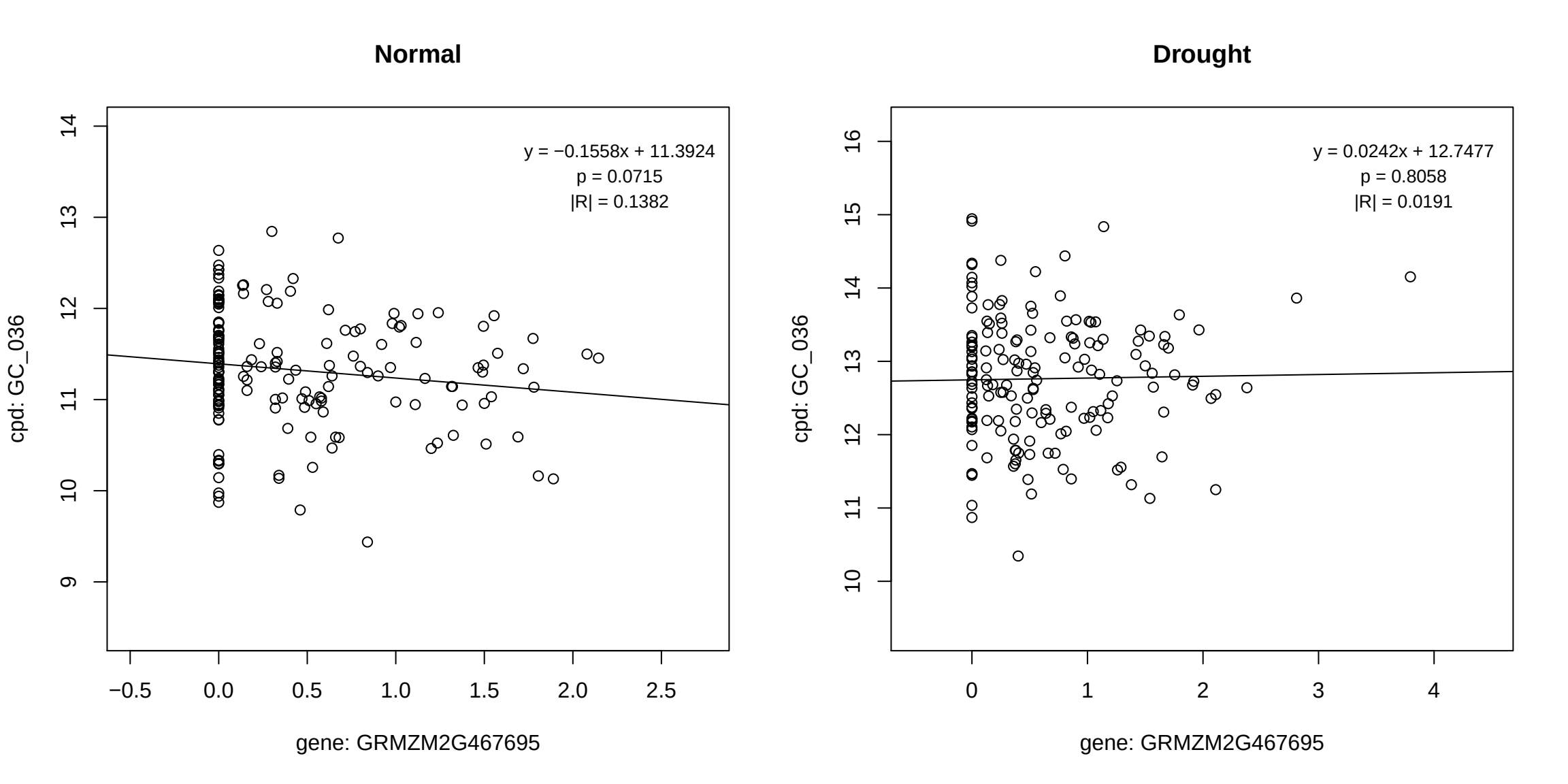

Normal
y = 0.2848x + 11.2971
p = 0.1315
|R| = 0.1158
cpd: GC_036
gene: GRMZM2G167151
Drought
y = −0.1437x + 12.7702
p = 0.7303
|R| = 0.0267
cpd: GC_036
gene: GRMZM2G167151

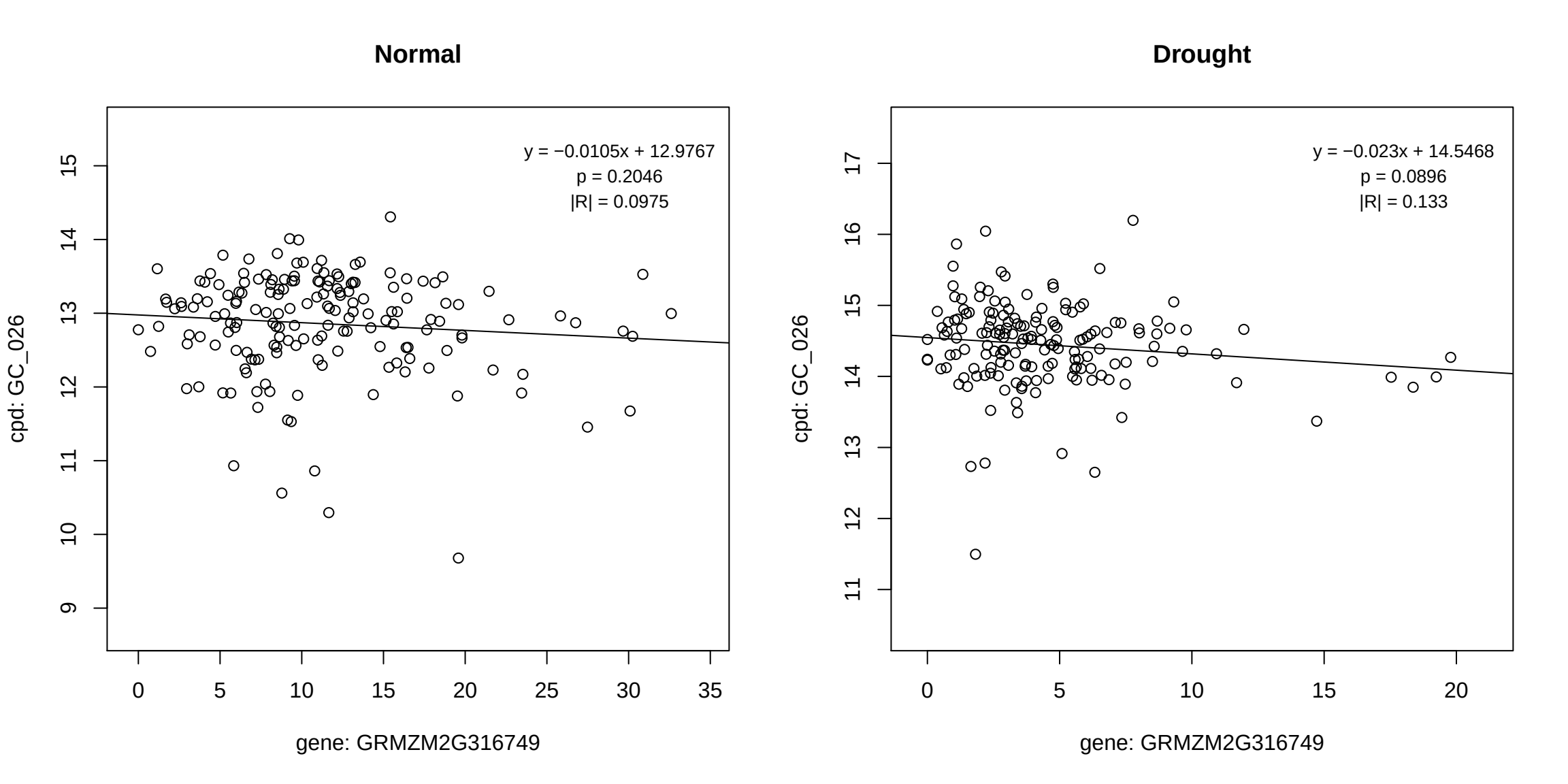

Normal
y = −0.0691x + 11.7158
p = 0
|R| = 0.3764
cpd: GC_036
gene: GRMZM2G167138
Drought
y = −0.0368x + 13.0039
p = 0.0329
|R| = 0.1642
cpd: GC_036
gene: GRMZM2G167138

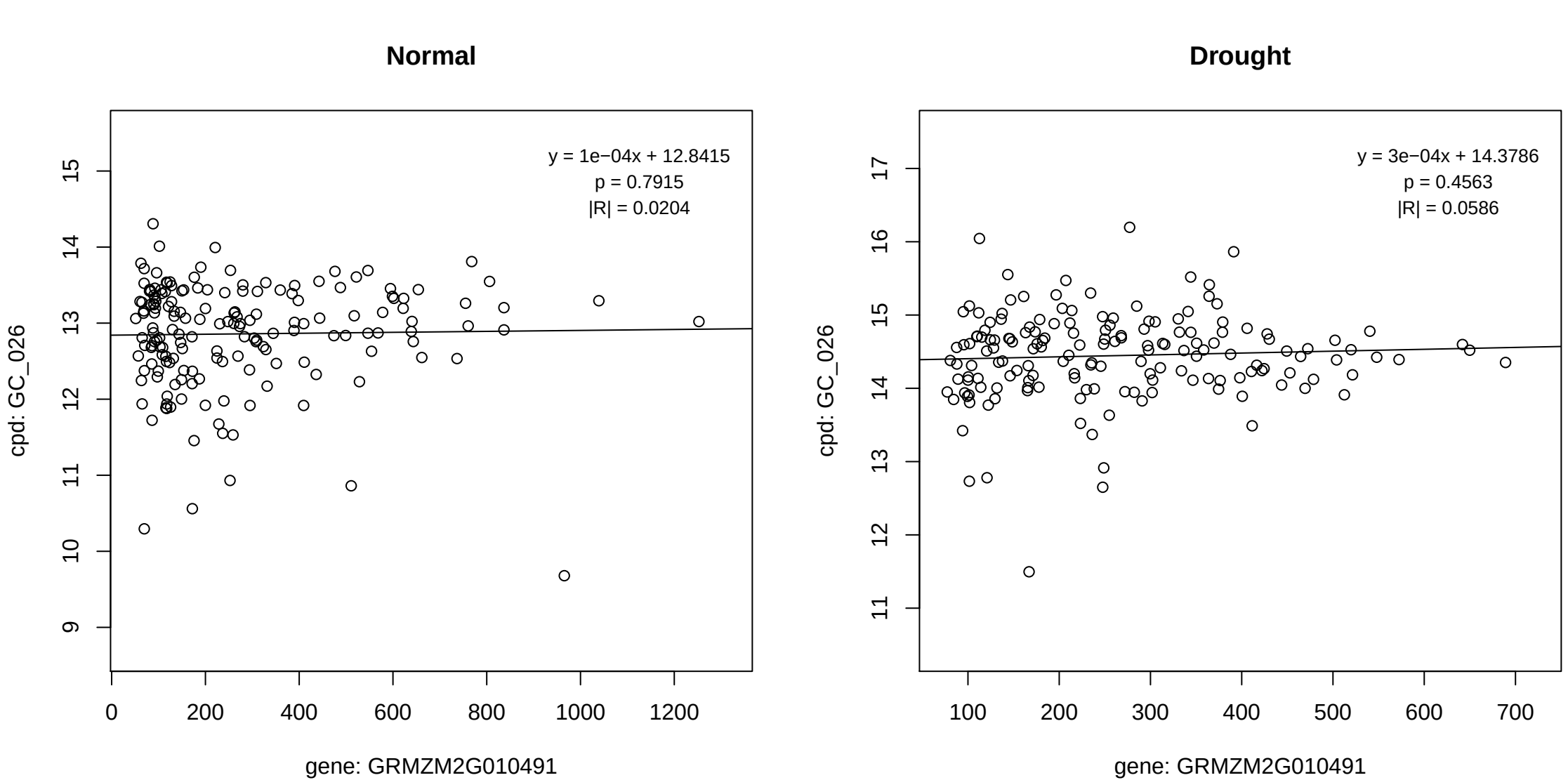

Normal
y = −0.1558x + 11.3924
p = 0.0715
|R| = 0.1382
cpd: GC_036
gene: GRMZM2G467695
Drought
y = 0.0242x + 12.7477
p = 0.8058
|R| = 0.0191
cpd: GC_036
gene: GRMZM2G467695

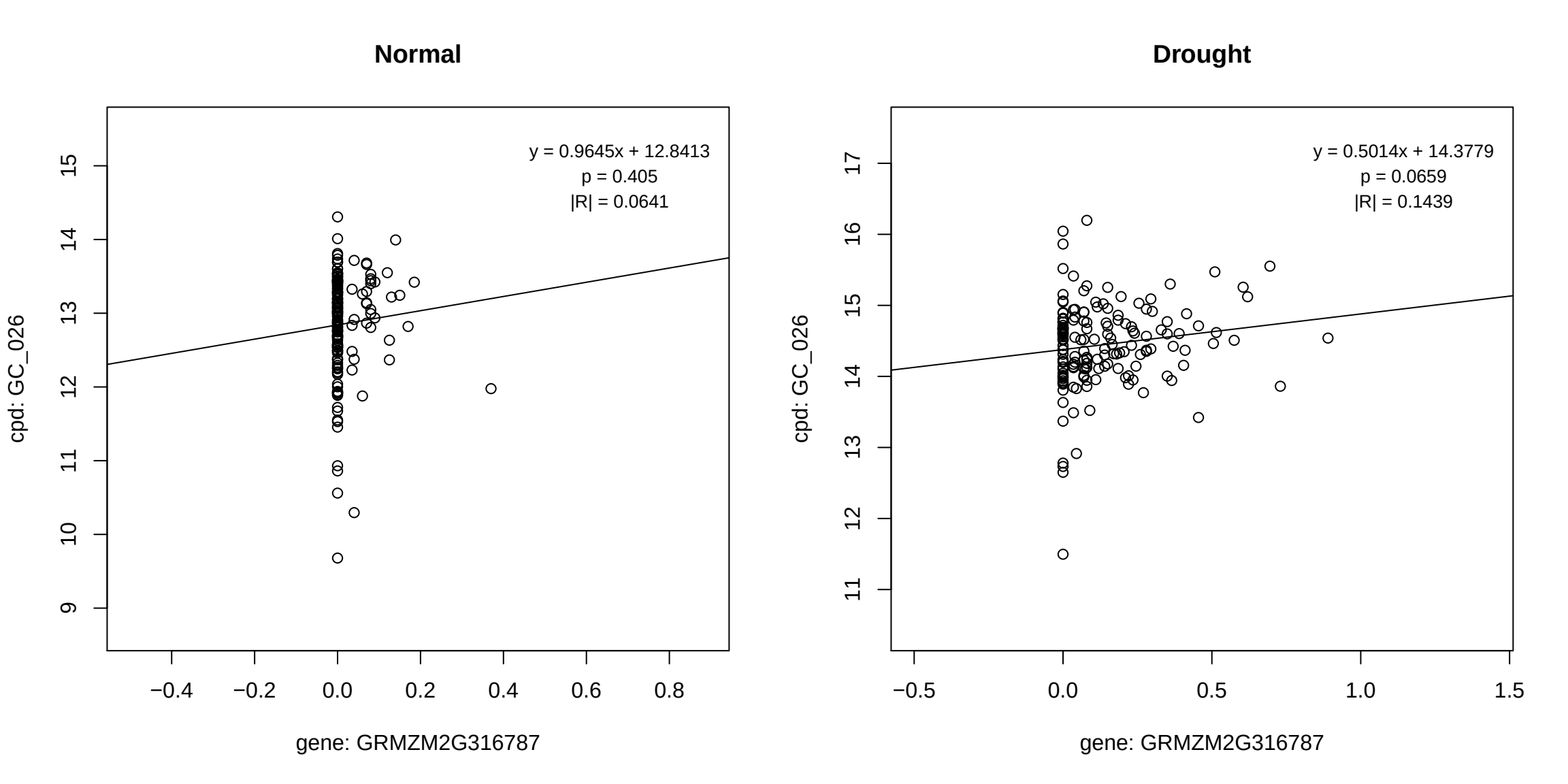

Normal
y = −0.0075x + 11.3572
p = 0.856
|R| = 0.014
cpd: GC_036
gene: GRMZM2G147603
Drought
y = −0.0461x + 12.9938
p = 0.4315
|R| = 0.0609
cpd: GC_036
gene: GRMZM2G147603

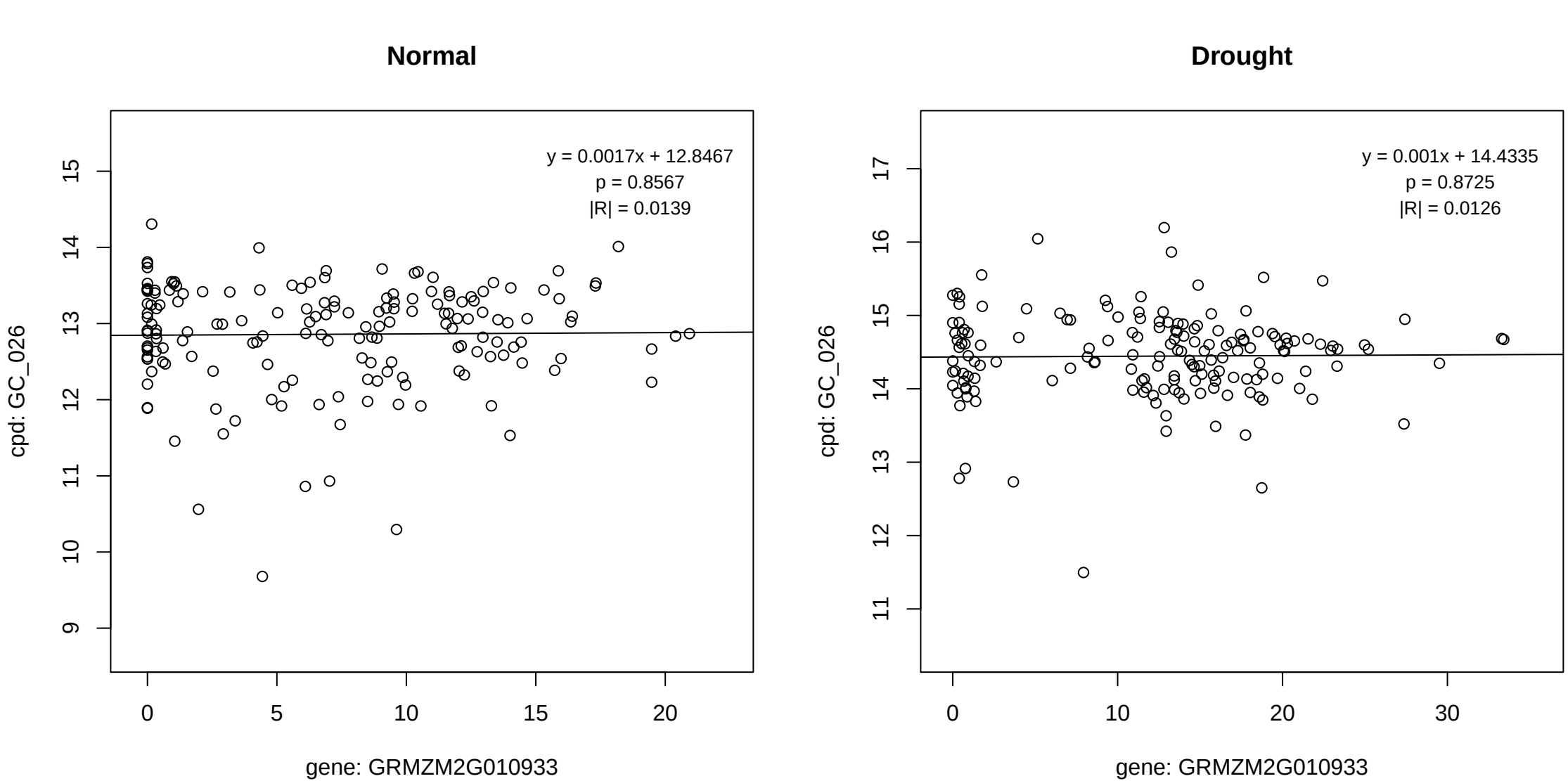

Normal
y = 0.2848x + 11.2971
p = 0.1315
|R| = 0.1158
cpd: GC_036
gene: GRMZM2G167151
Drought
y = −0.1437x + 12.7702
p = 0.7303
|R| = 0.0267
cpd: GC_036
gene: GRMZM2G167151

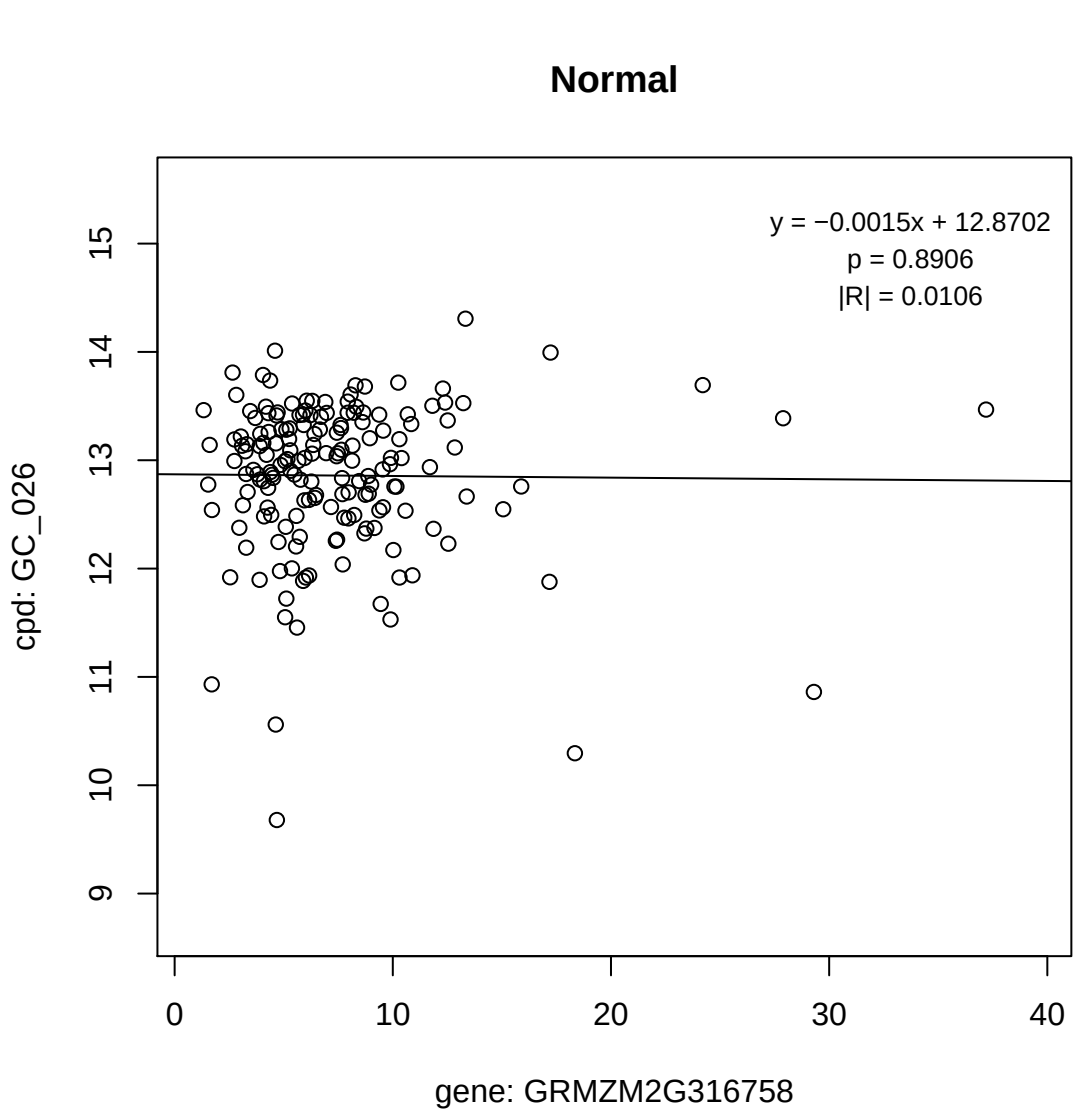

Normal
y = −0.1558x + 11.3924
p = 0.0715
|R| = 0.1382
cpd: GC_036
gene: GRMZM2G467695
Drought
y = 0.0242x + 12.7477
p = 0.8058
|R| = 0.0191
cpd: GC_036
gene: GRMZM2G467695

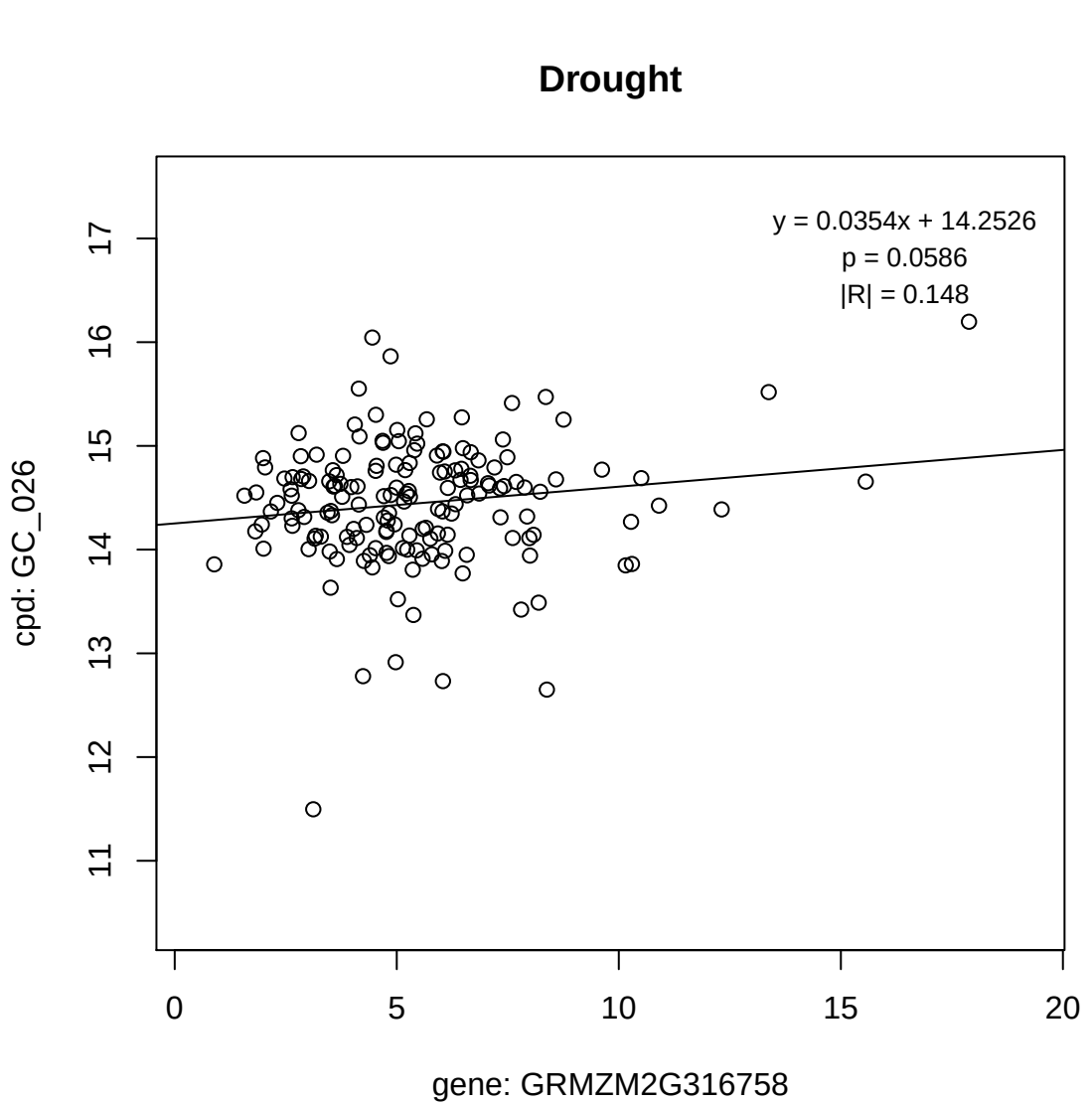

Normal
y = −0.0105x + 12.9767
p = 0.2046
|R| = 0.0975
cpd: GC_026
gene: GRMZM2G316749
Drought
y = −0.023x + 14.5468
p = 0.0896
|R| = 0.133
cpd: GC_026
gene: GRMZM2G316749

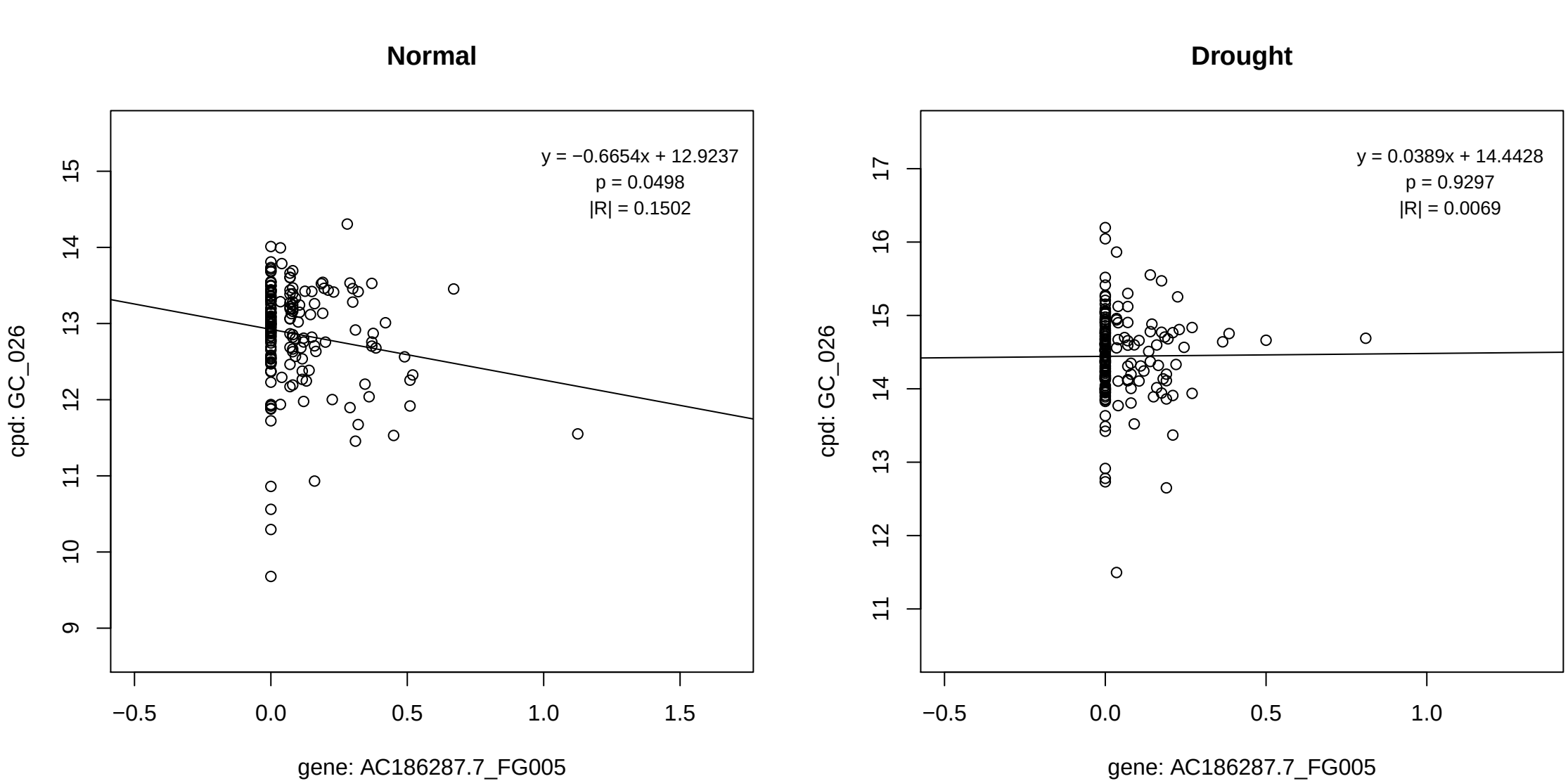

Normal
y = 1e−04x + 12.8415
p = 0.7915
|R| = 0.0204
cpd: GC_026
gene: GRMZM2G010491
Drought
y = 3e−04x + 14.3786
p = 0.4563
|R| = 0.0586
cpd: GC_026
gene: GRMZM2G010491

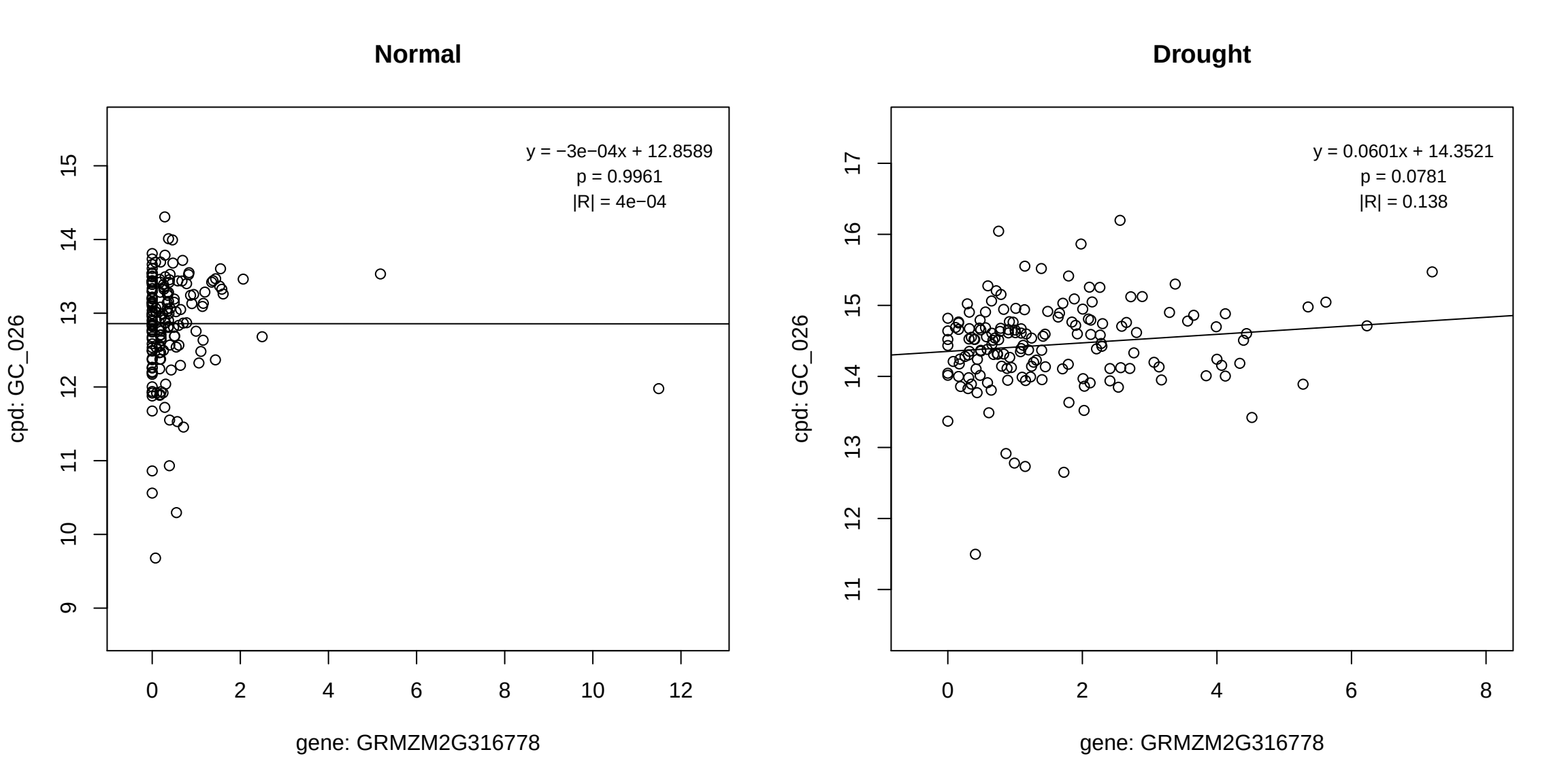

Normal
y = 0.9645x + 12.8413
p = 0.405
|R| = 0.0641
cpd: GC_026
gene: GRMZM2G316787
Drought
y = 0.5014x + 14.3779
p = 0.0659
|R| = 0.1439
cpd: GC_026
gene: GRMZM2G316787

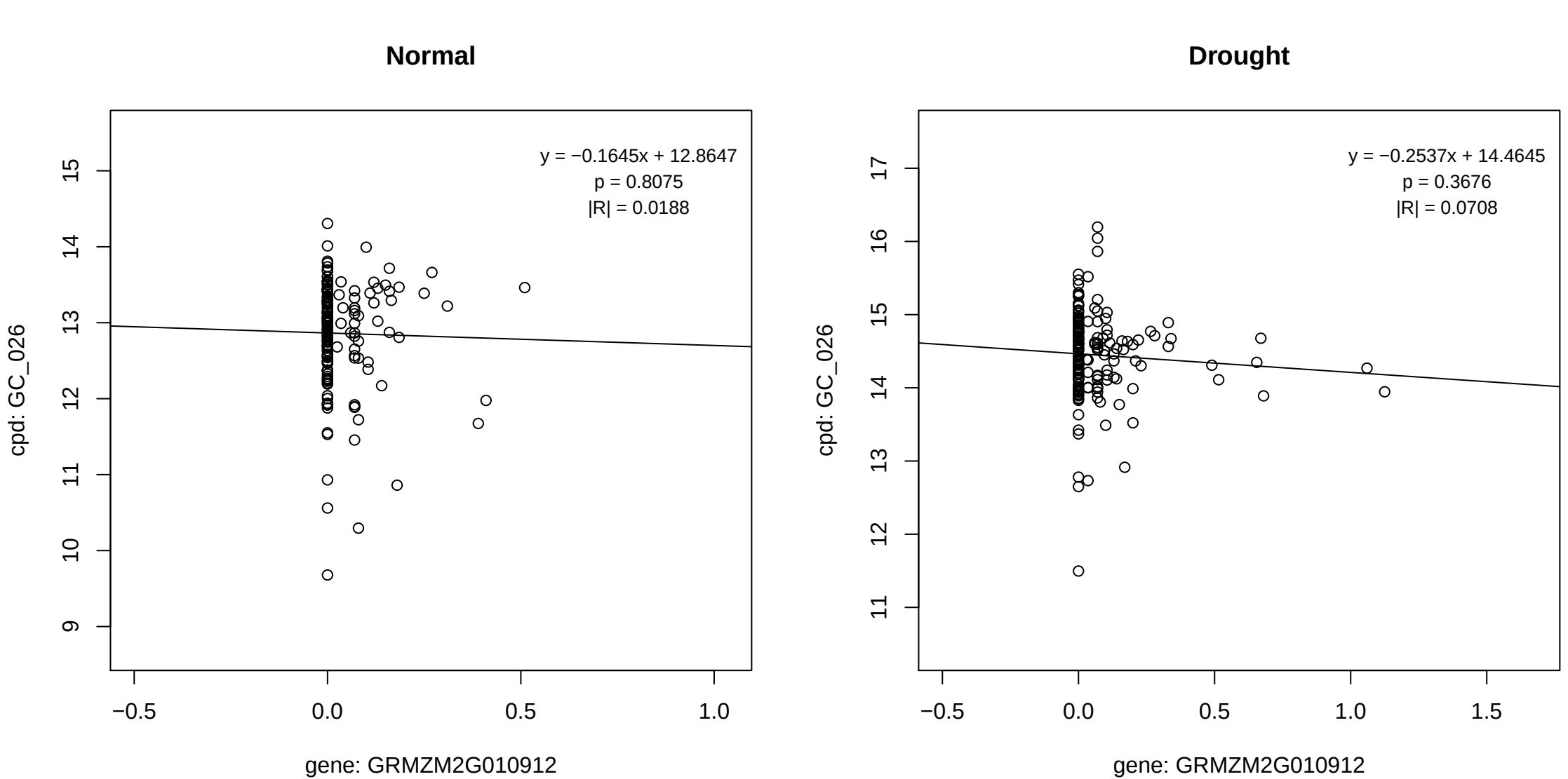

Normal
y = 0.0017x + 12.8467
p = 0.8567
|R| = 0.0139
cpd: GC_026
gene: GRMZM2G010933
Drought
y = 0.001x + 14.4335
p = 0.8725
|R| = 0.0126
cpd: GC_026
gene: GRMZM2G010933

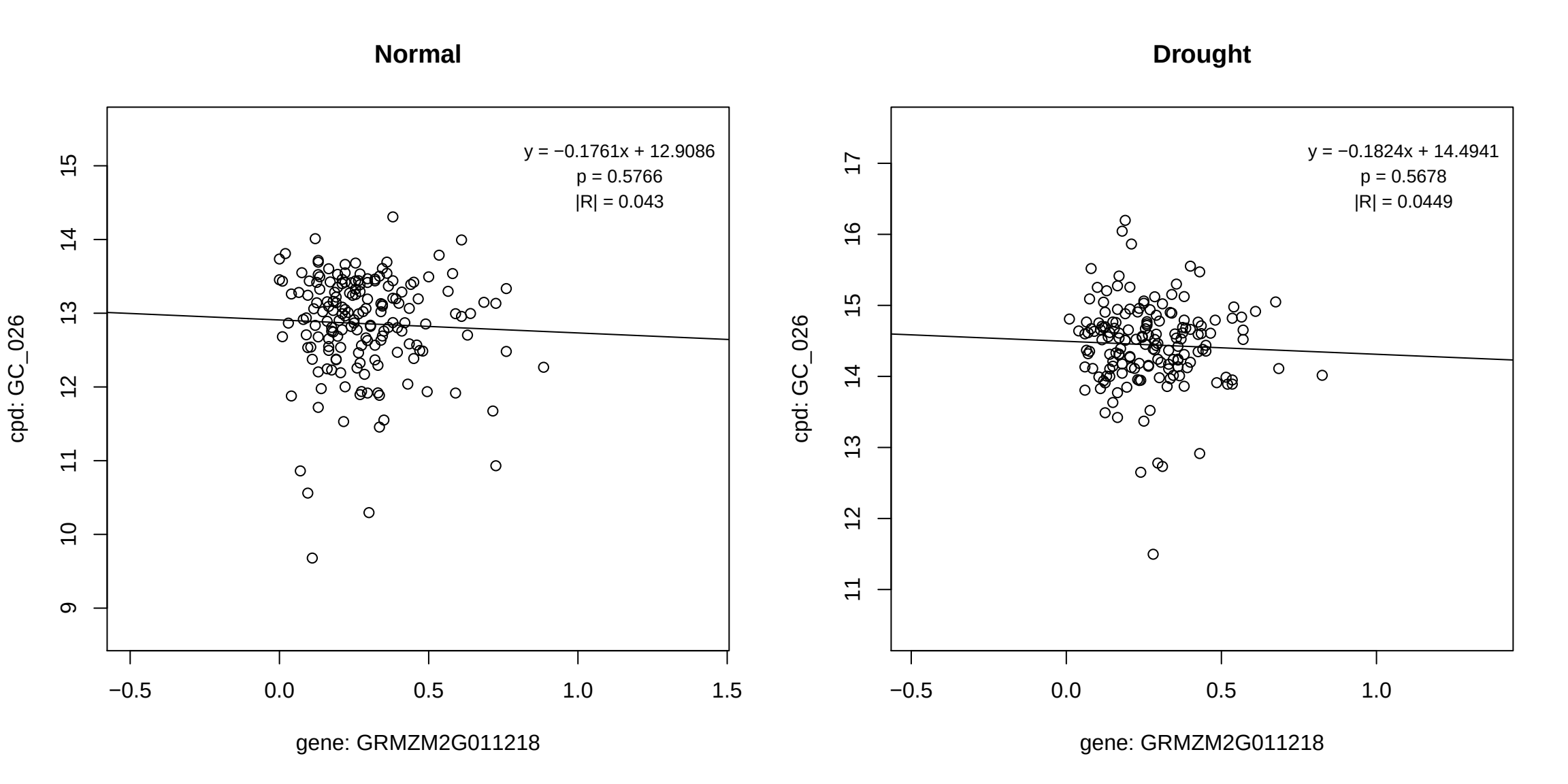

Normal
y = −0.0015x + 12.8702
p = 0.8906
|R| = 0.0106
cpd: GC_026
gene: GRMZM2G316758
9
10
11
12
13
14
15
0
10
20
30
40

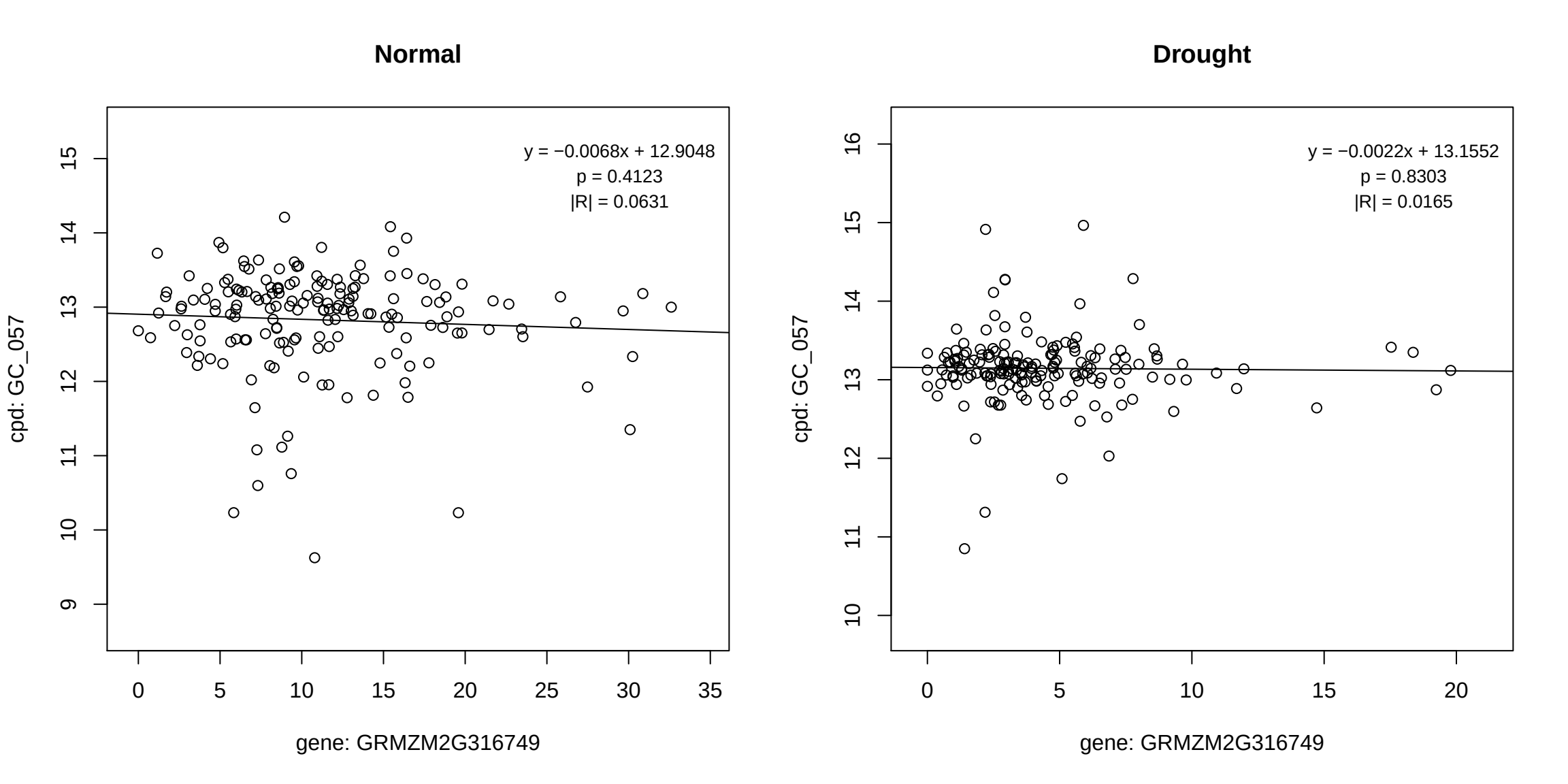

Drought
y = 0.0354x + 14.2526
p = 0.0586
|R| = 0.148
cpd: GC_026
gene: GRMZM2G316758
11
12
13
14
15
16
17
0
5
10
15
20

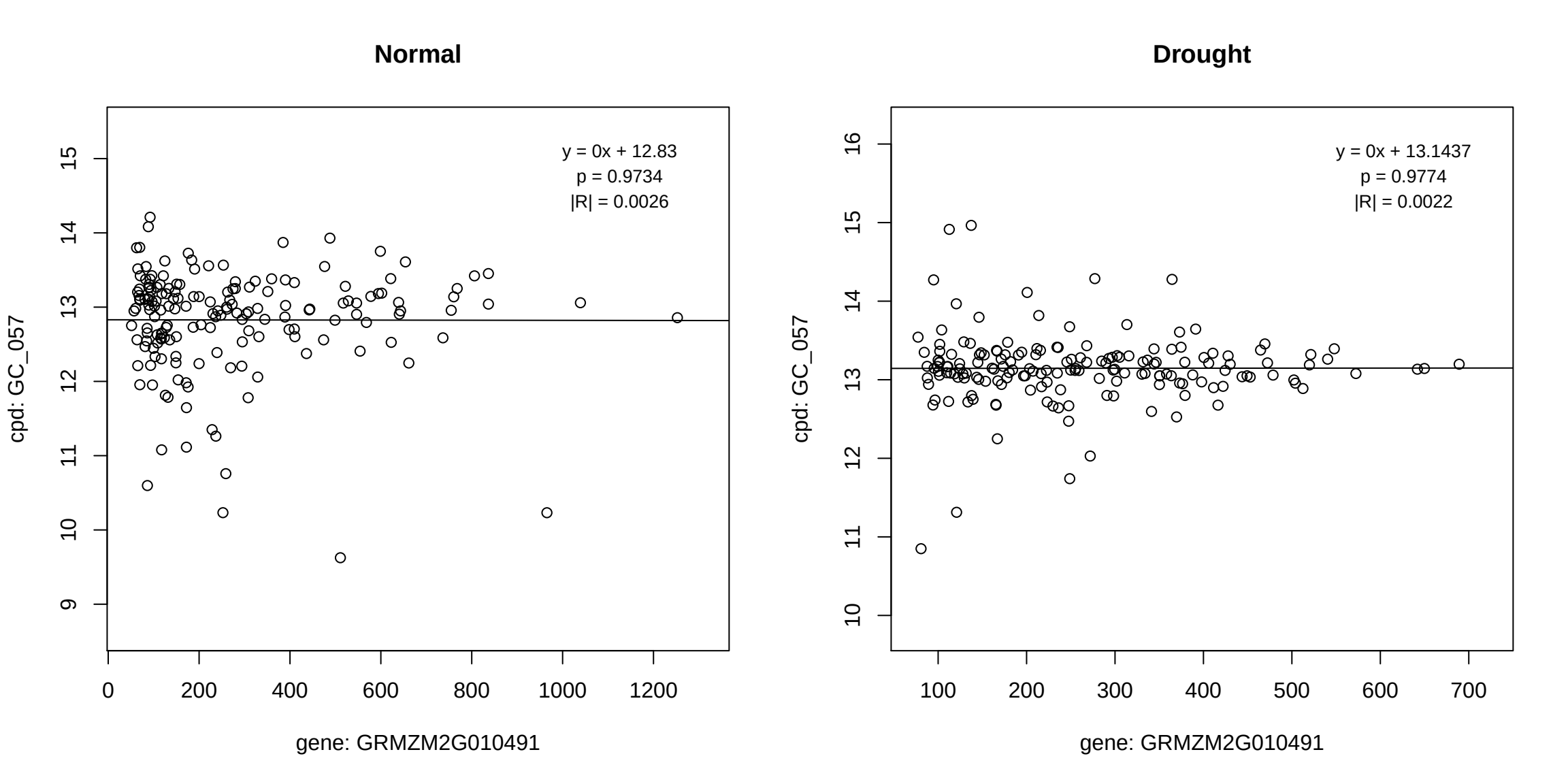

Normal
y = −0.6654x + 12.9237
p = 0.0498
|R| = 0.1502
cpd: GC_026
gene: AC186287.7_FG005
Drought
y = 0.0389x + 14.4428
p = 0.9297
|R| = 0.0069
cpd: GC_026
gene: AC186287.7_FG005

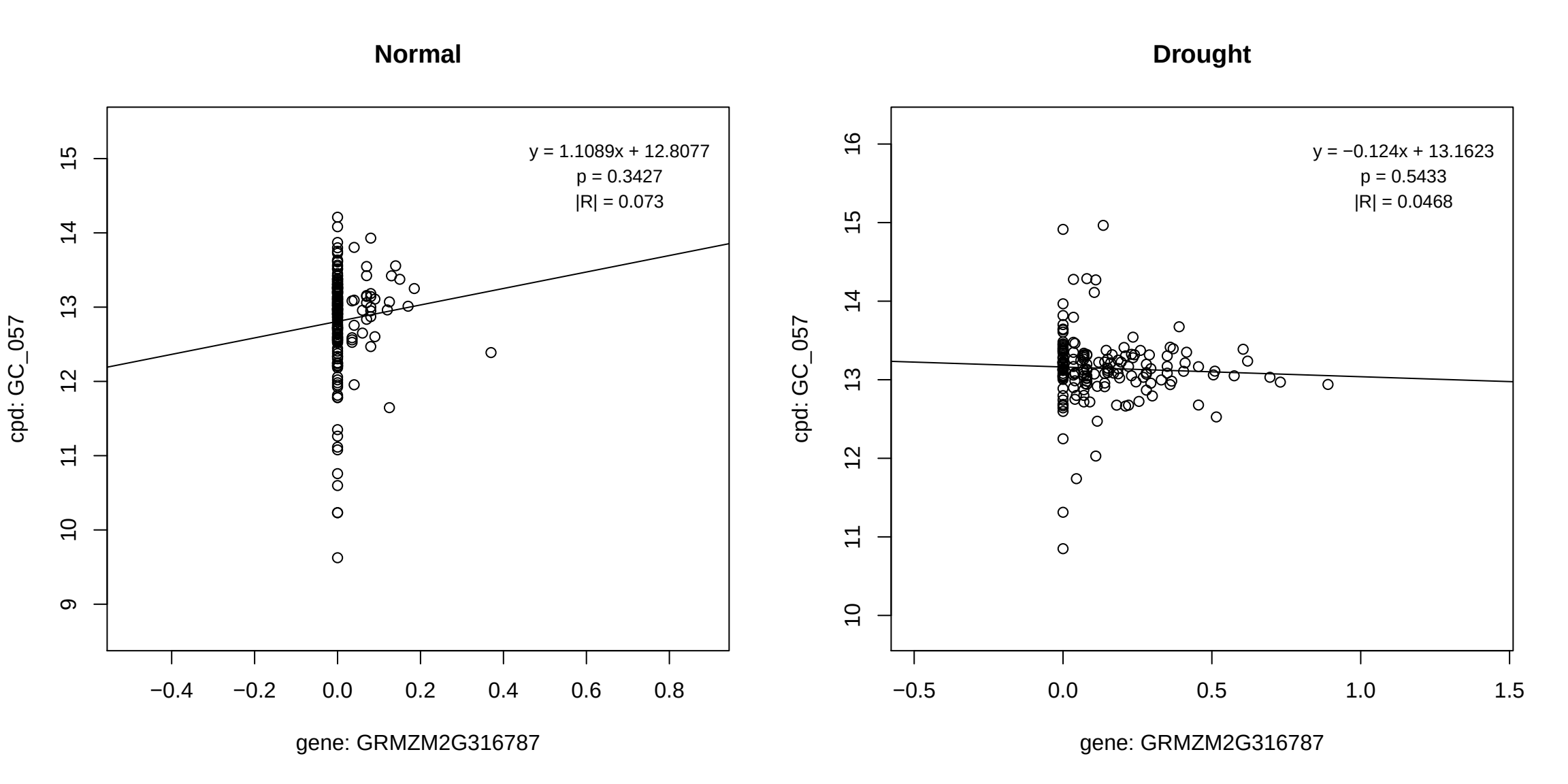

Normal
y = −3e−04x + 12.8589
p = 0.9961
|R| = 4e−04
cpd: GC_026
gene: GRMZM2G316778
Drought
y = 0.0601x + 14.3521
p = 0.0781
|R| = 0.138
cpd: GC_026
gene: GRMZM2G316778

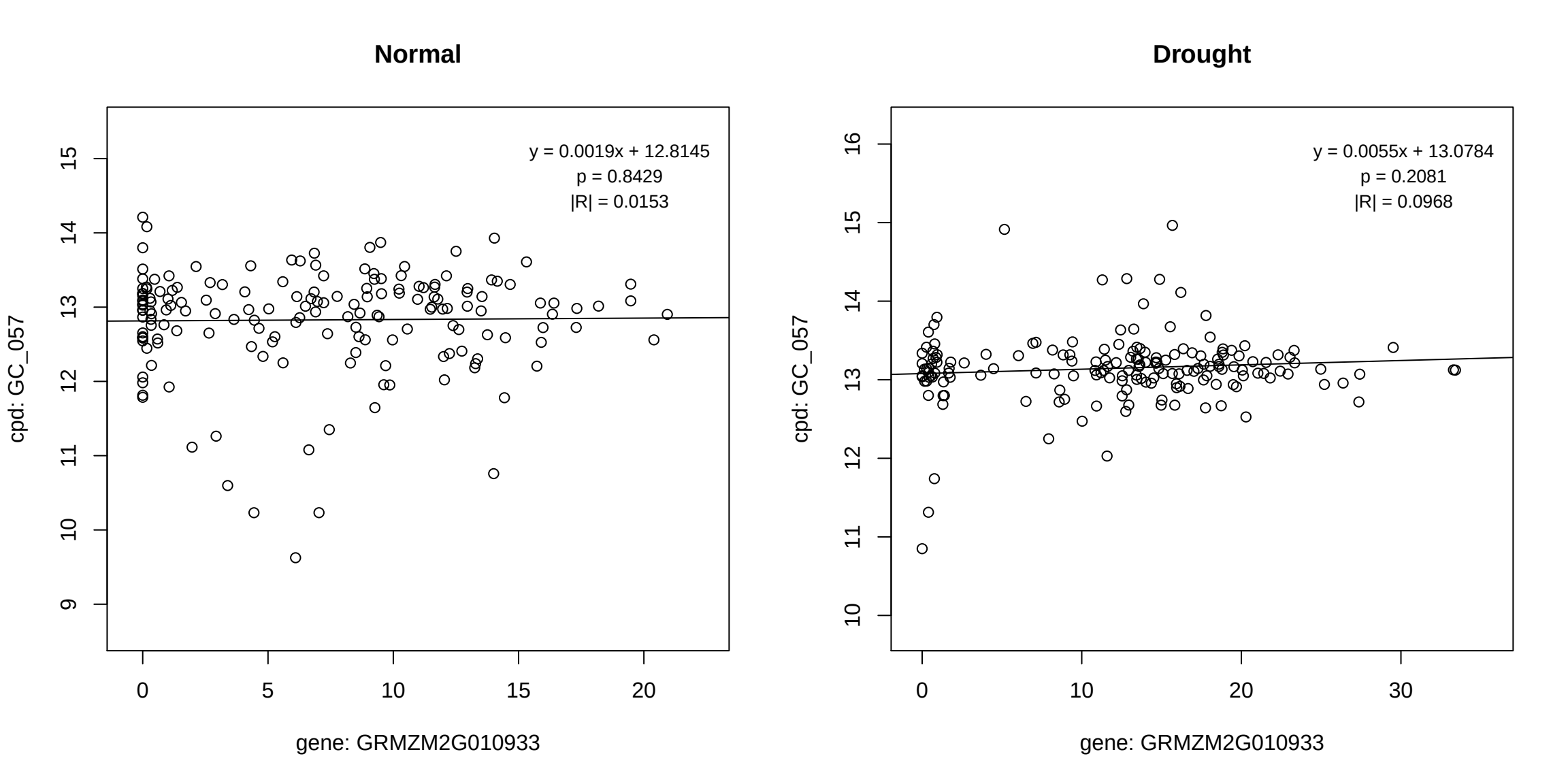

Normal
y = −0.1645x + 12.8647
p = 0.8075
|R| = 0.0188
cpd: GC_026
gene: GRMZM2G010912
Drought
y = −0.2537x + 14.4645
p = 0.3676
|R| = 0.0708
cpd: GC_026
gene: GRMZM2G010912

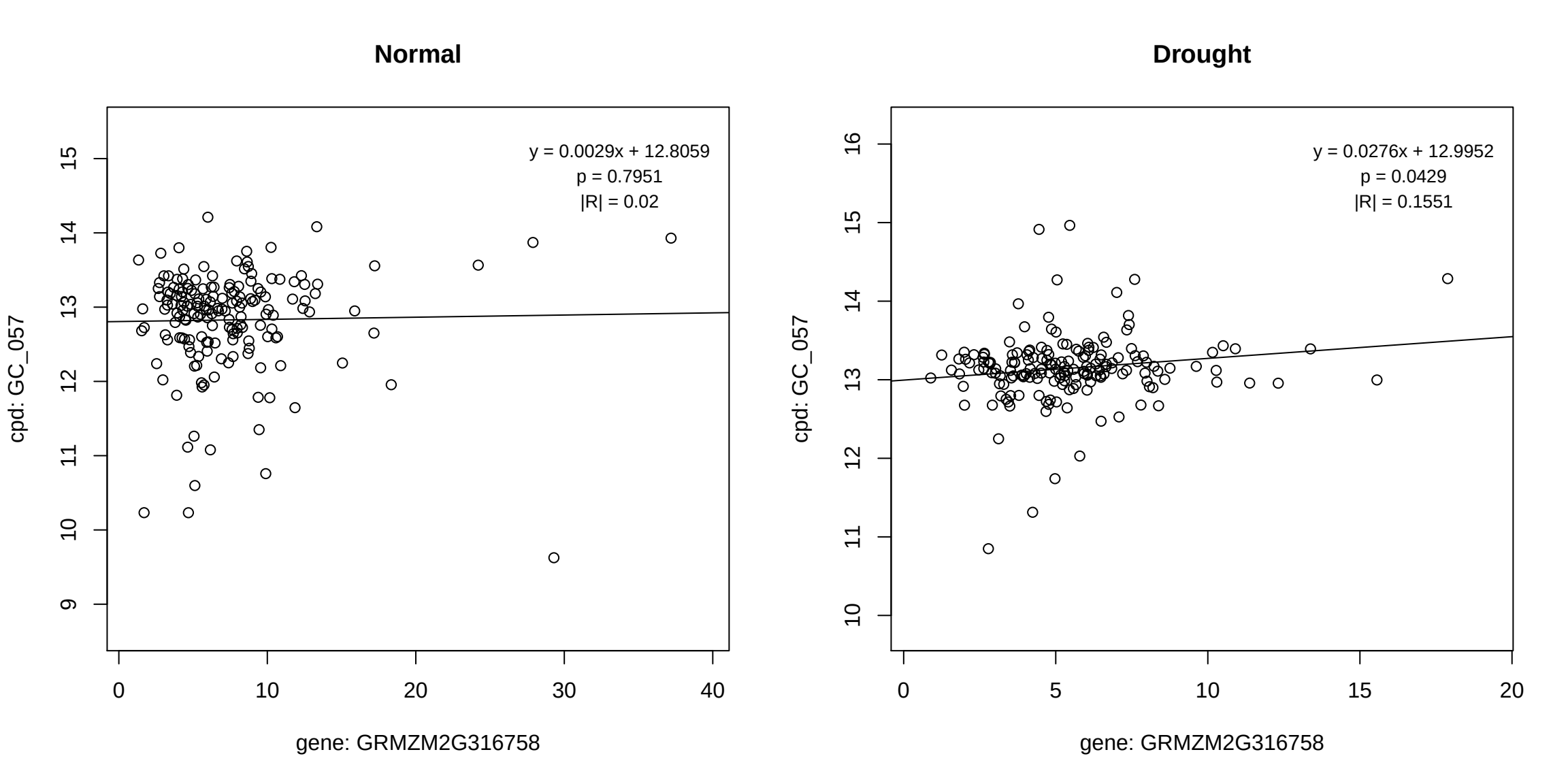

Normal
y = −0.1761x + 12.9086
p = 0.5766
|R| = 0.043
cpd: GC_026
gene: GRMZM2G011218
Drought
y = −0.1824x + 14.4941
p = 0.5678
|R| = 0.0449
cpd: GC_026
gene: GRMZM2G011218

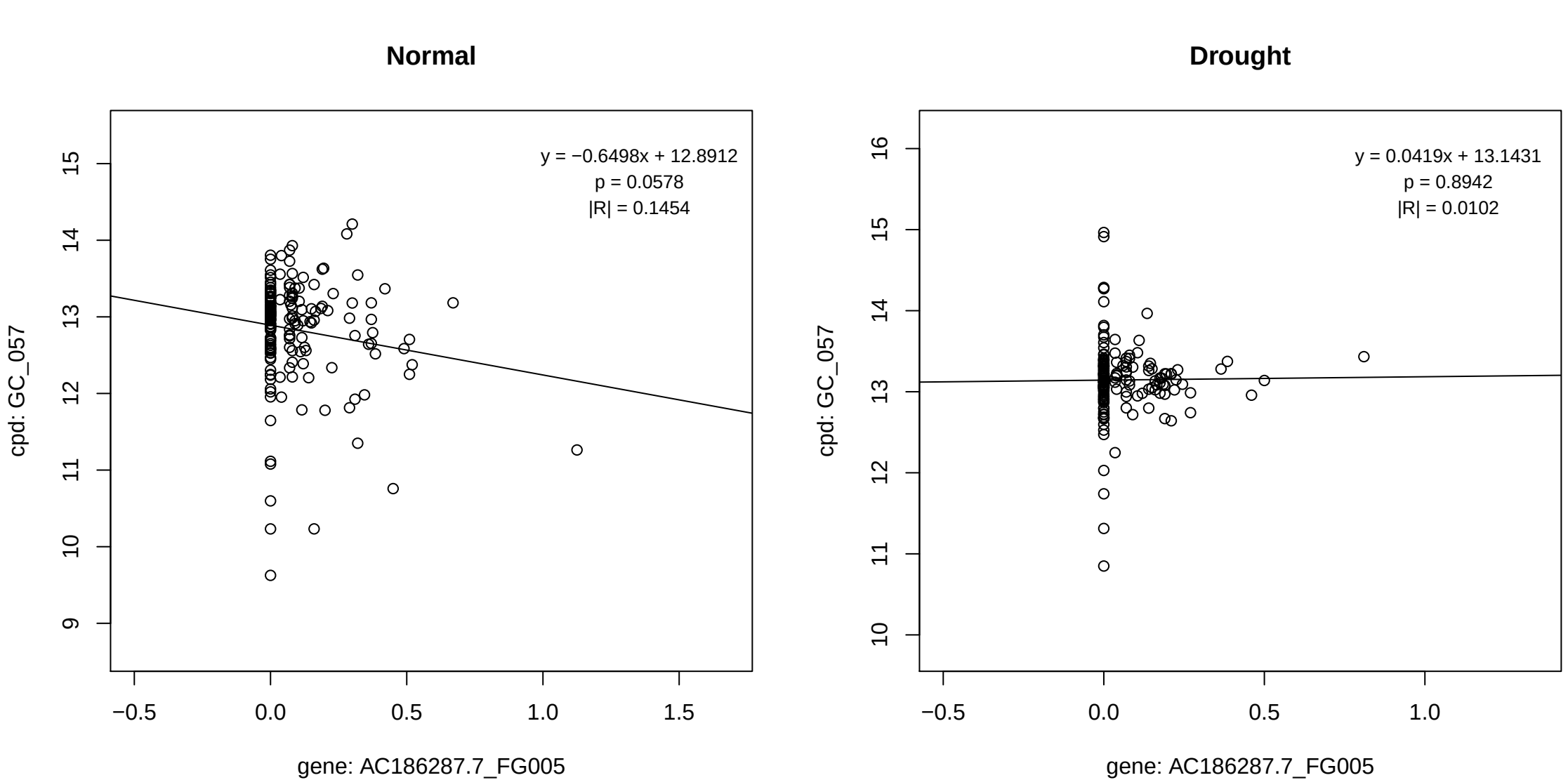

Normal
y = −0.0068x + 12.9048
p = 0.4123
|R| = 0.0631
cpd: GC_057
gene: GRMZM2G316749
Drought
y = −0.0022x + 13.1552
p = 0.8303
|R| = 0.0165
cpd: GC_057
gene: GRMZM2G316749

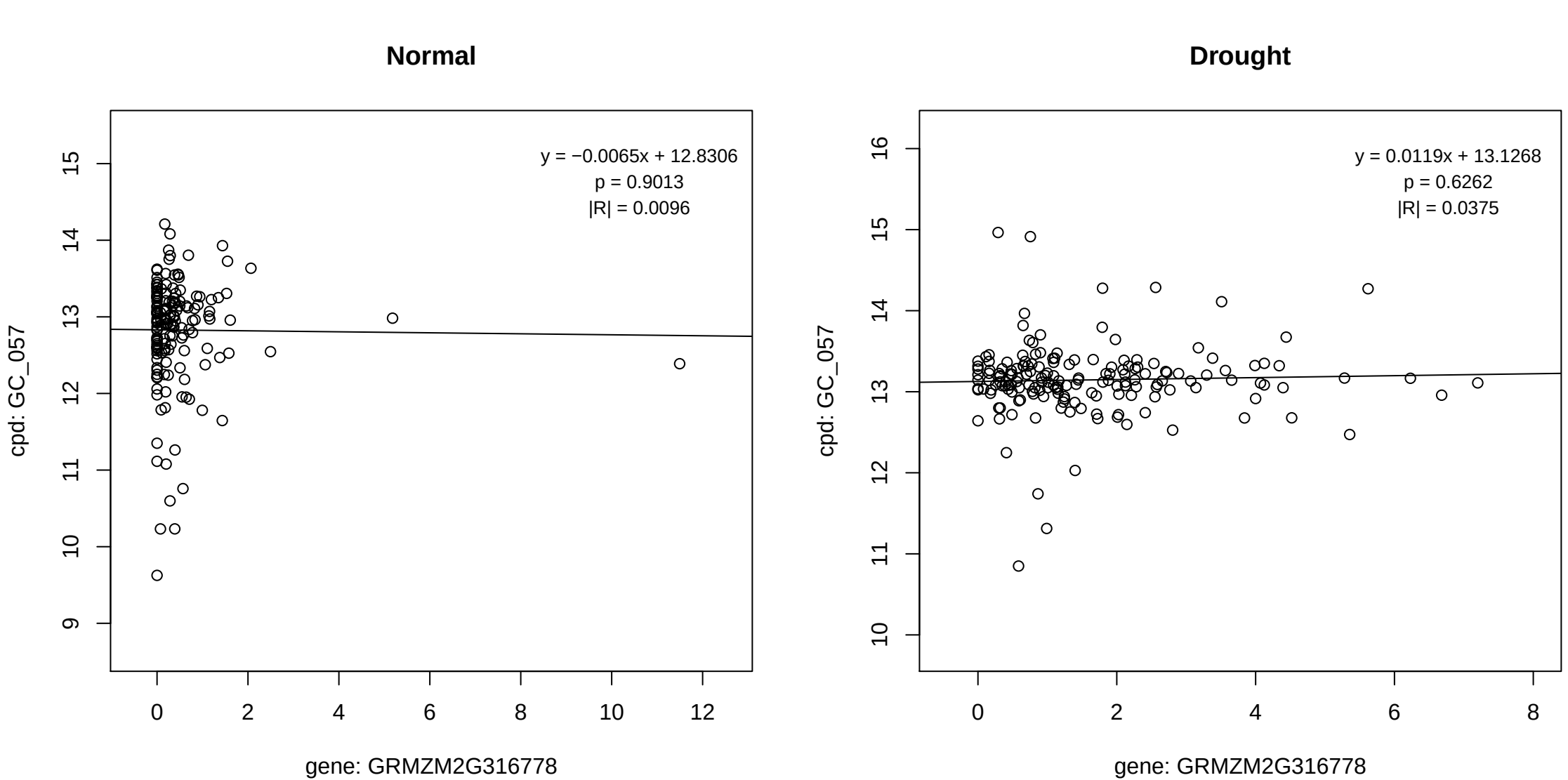

Normal
y = 0x + 12.83
p = 0.9734
|R| = 0.0026
cpd: GC_057
gene: GRMZM2G010491
Drought
y = 0x + 13.1437
p = 0.9774
|R| = 0.0022
cpd: GC_057
gene: GRMZM2G010491

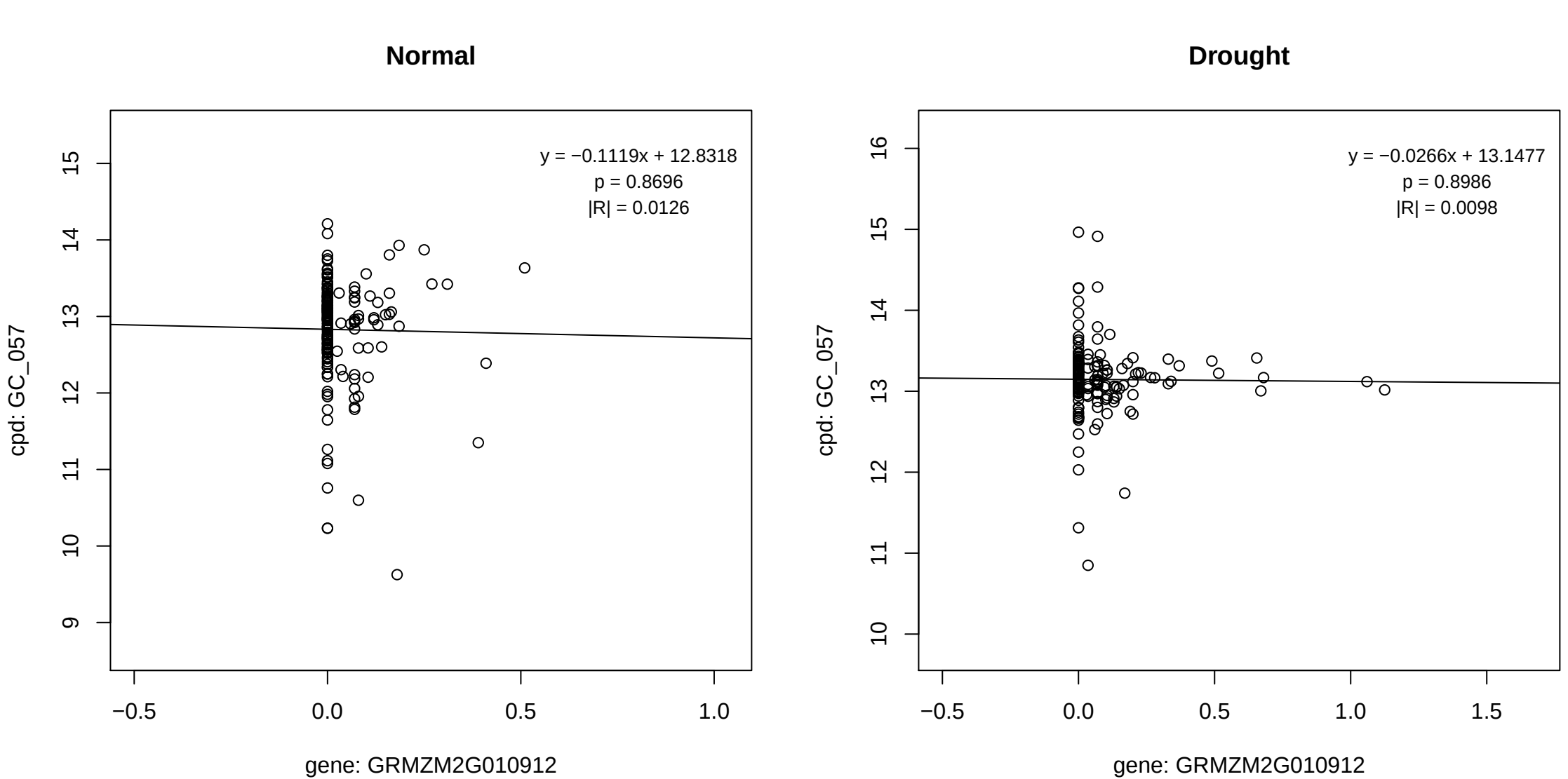

Normal
y = 1.1089x + 12.8077
p = 0.3427
|R| = 0.073
cpd: GC_057
gene: GRMZM2G316787
Drought
y = −0.124x + 13.1623
p = 0.5433
|R| = 0.0468
cpd: GC_057
gene: GRMZM2G316787

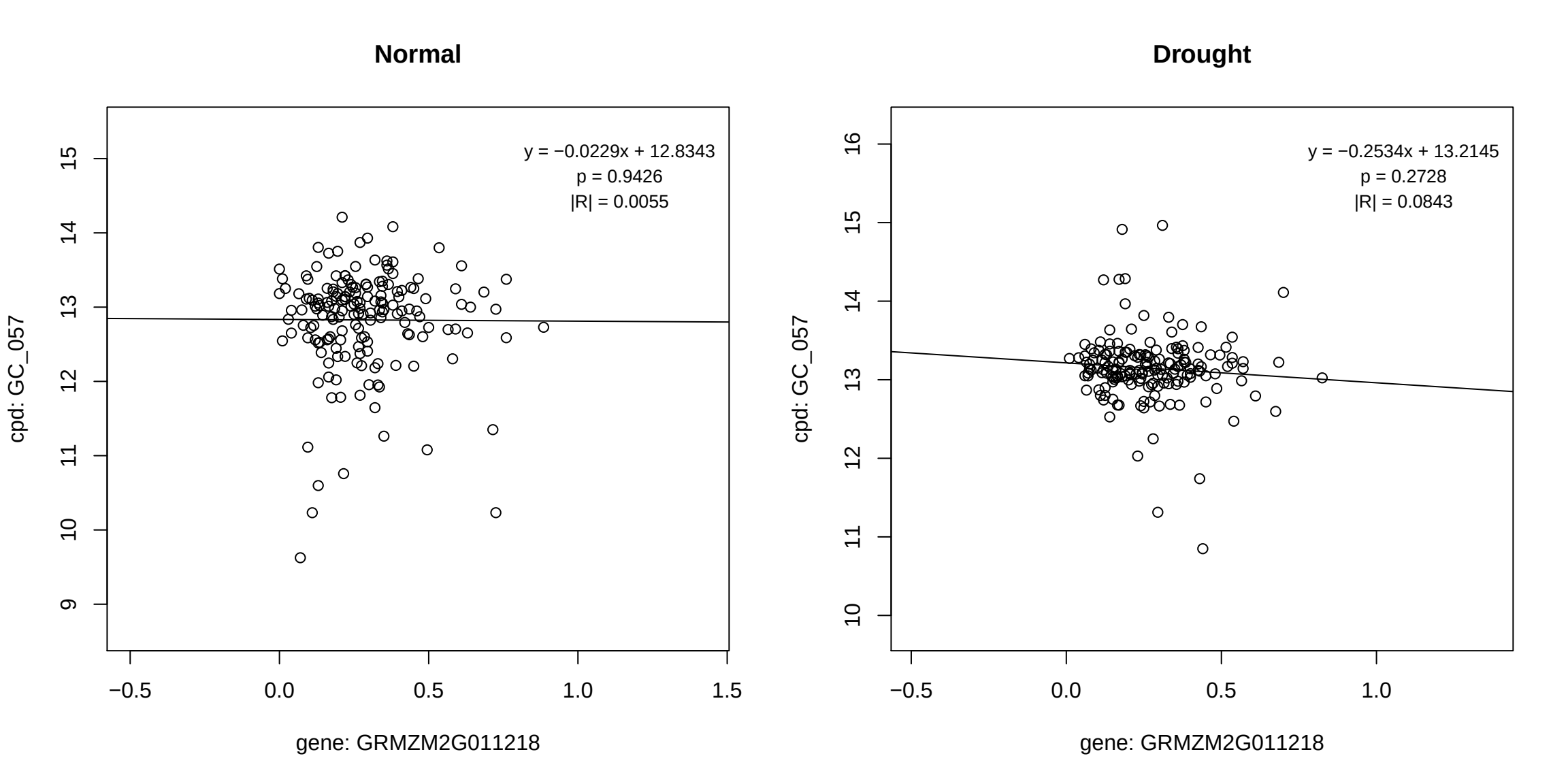

Normal
y = 0.0019x + 12.8145
p = 0.8429
|R| = 0.0153
cpd: GC_057
gene: GRMZM2G010933
Drought
y = 0.0055x + 13.0784
p = 0.2081
|R| = 0.0968
cpd: GC_057
gene: GRMZM2G010933

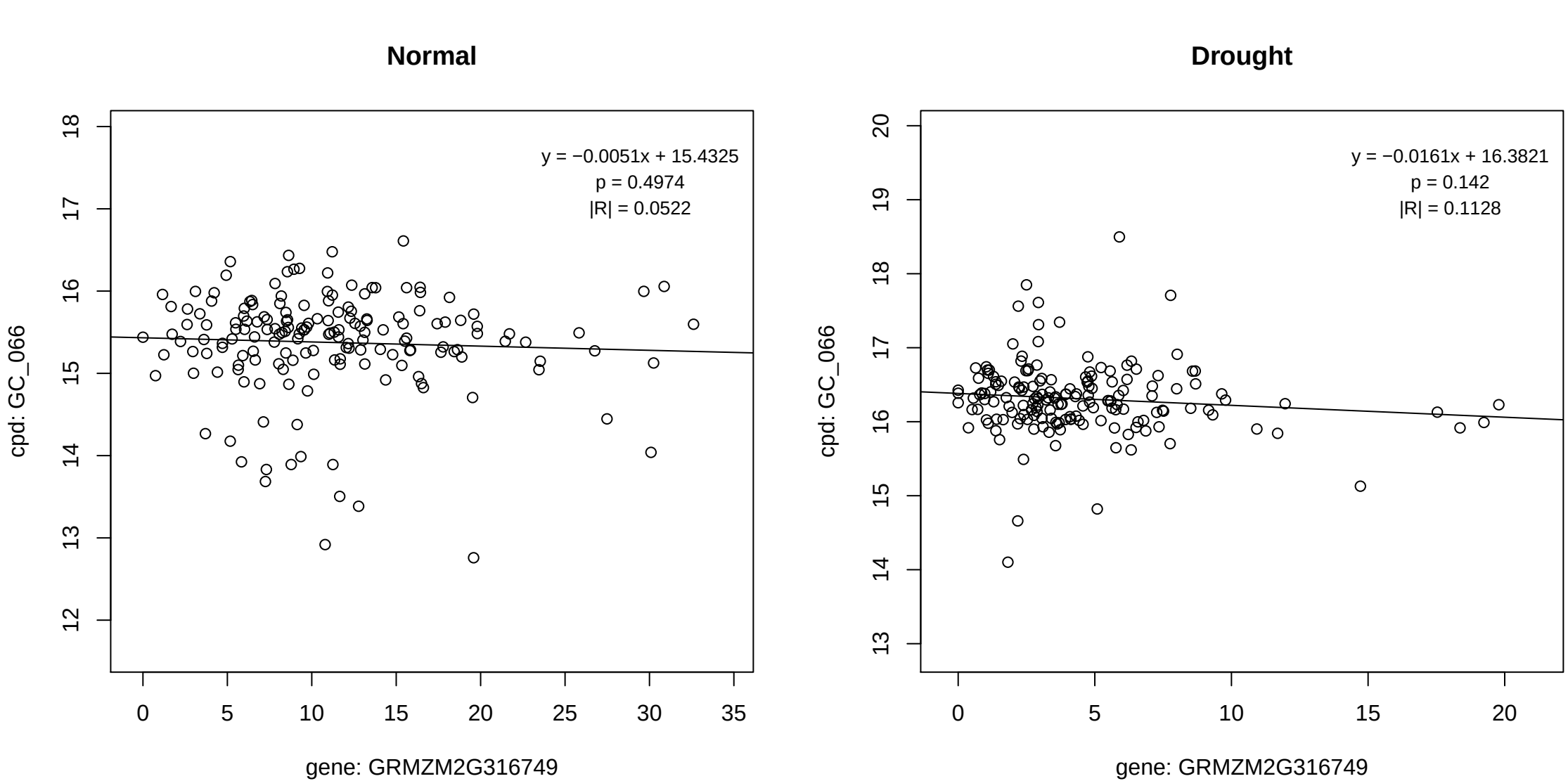

Normal
y = 0.0029x + 12.8059
p = 0.7951
|R| = 0.02
cpd: GC_057
gene: GRMZM2G316758
Drought
y = 0.0276x + 12.9952
p = 0.0429
|R| = 0.1551
cpd: GC_057
gene: GRMZM2G316758

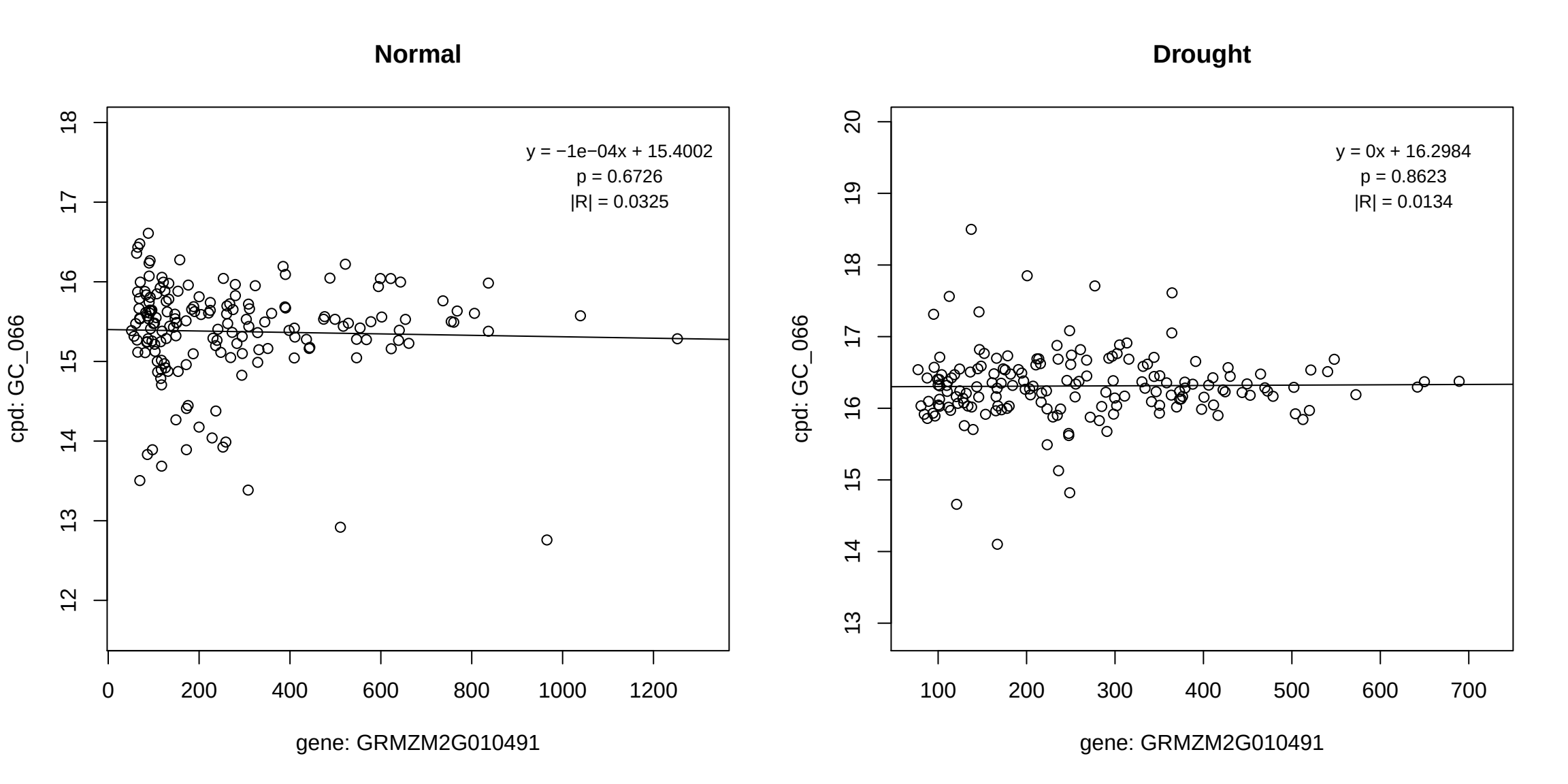

Normal
y = −0.6498x + 12.8912
p = 0.0578
|R| = 0.1454
cpd: GC_057
gene: AC186287.7_FG005
Drought
y = 0.0419x + 13.1431
p = 0.8942
|R| = 0.0102
cpd: GC_057
gene: AC186287.7_FG005

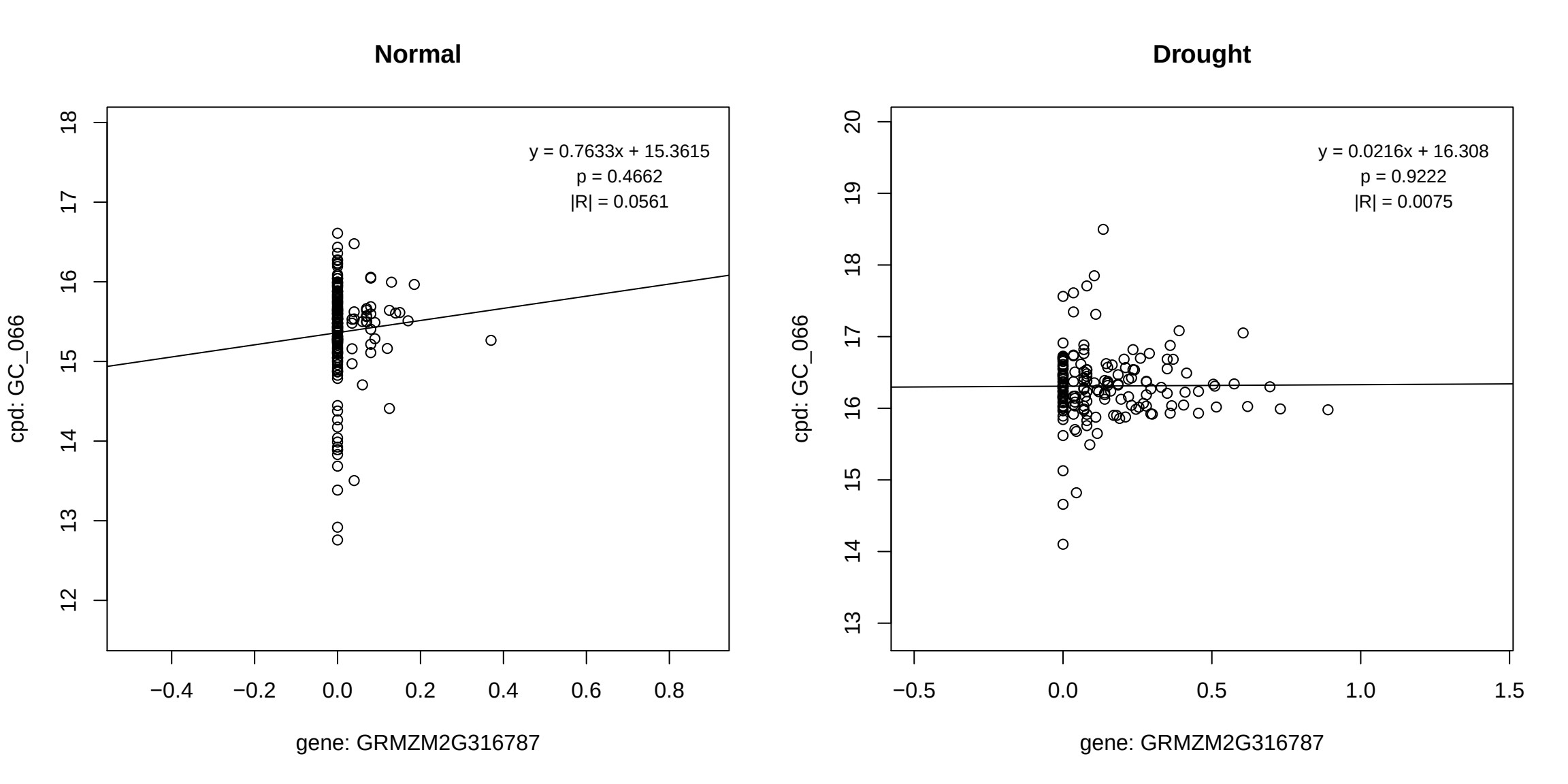

Normal
y = −0.0065x + 12.8306
p = 0.9013
|R| = 0.0096
cpd: GC_057
gene: GRMZM2G316778
Drought
y = 0.0119x + 13.1268
p = 0.6262
|R| = 0.0375
cpd: GC_057
gene: GRMZM2G316778

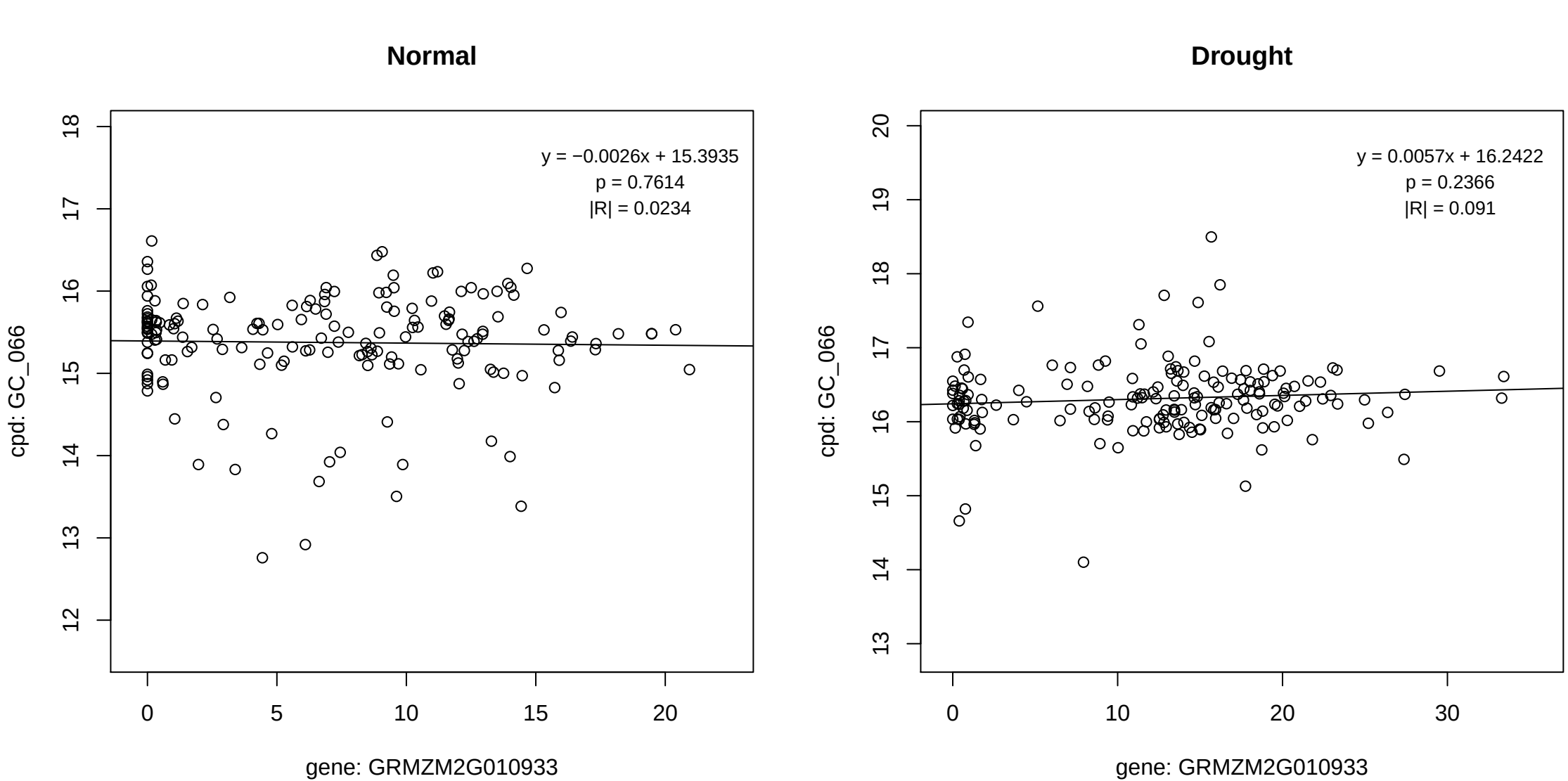

Normal
y = −0.1119x + 12.8318
p = 0.8696
|R| = 0.0126
cpd: GC_057
gene: GRMZM2G010912
Drought
y = −0.0266x + 13.1477
p = 0.8986
|R| = 0.0098
cpd: GC_057
gene: GRMZM2G010912

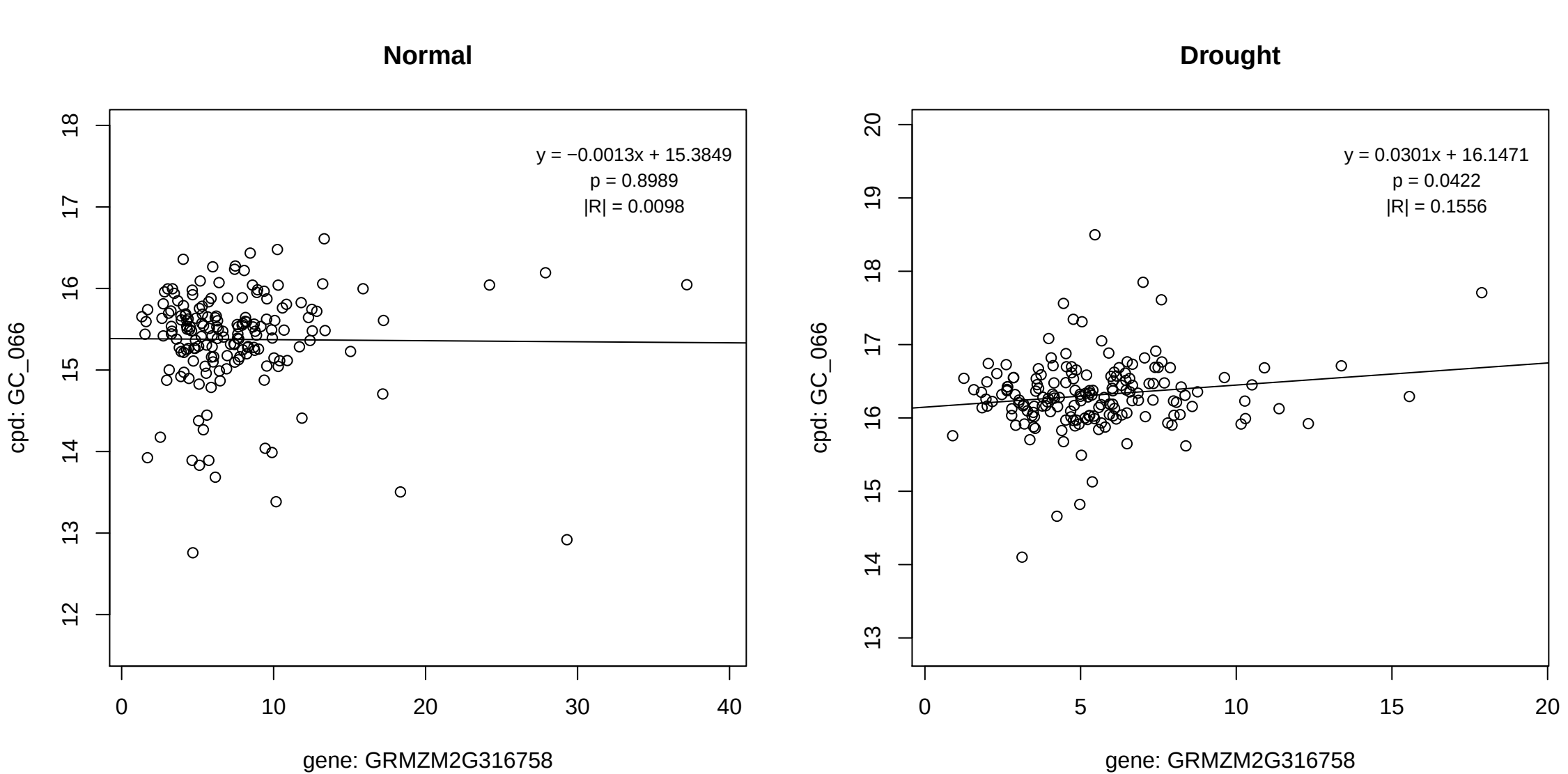

Normal
y = −0.0229x + 12.8343
p = 0.9426
|R| = 0.0055
cpd: GC_057
gene: GRMZM2G011218
Drought
y = −0.2534x + 13.2145
p = 0.2728
|R| = 0.0843
cpd: GC_057
gene: GRMZM2G011218

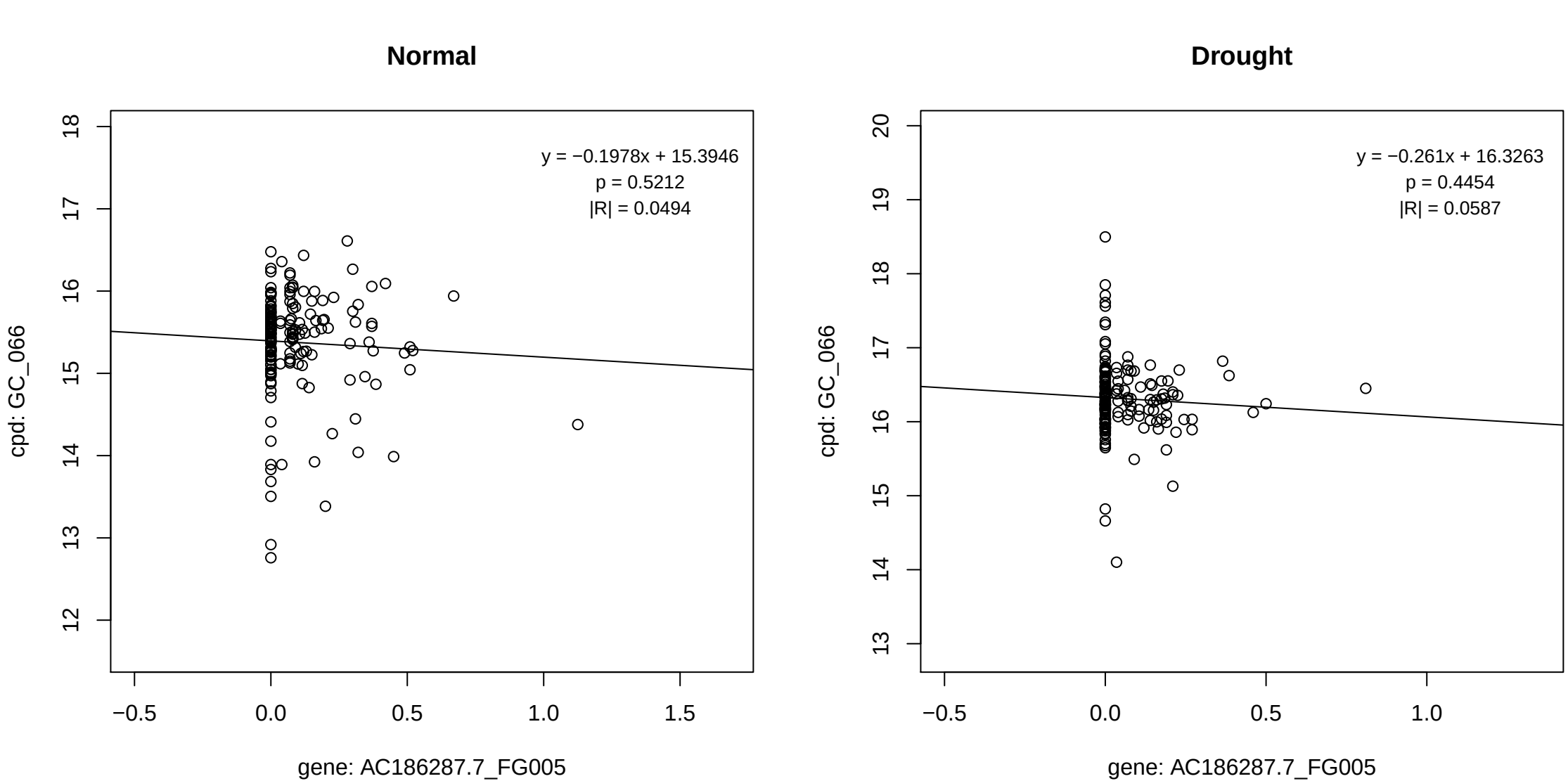

Normal
y = −0.0051x + 15.4325
p = 0.4974
|R| = 0.0522
cpd: GC_066
gene: GRMZM2G316749
Drought
y = −0.0161x + 16.3821
p = 0.142
|R| = 0.1128
cpd: GC_066
gene: GRMZM2G316749

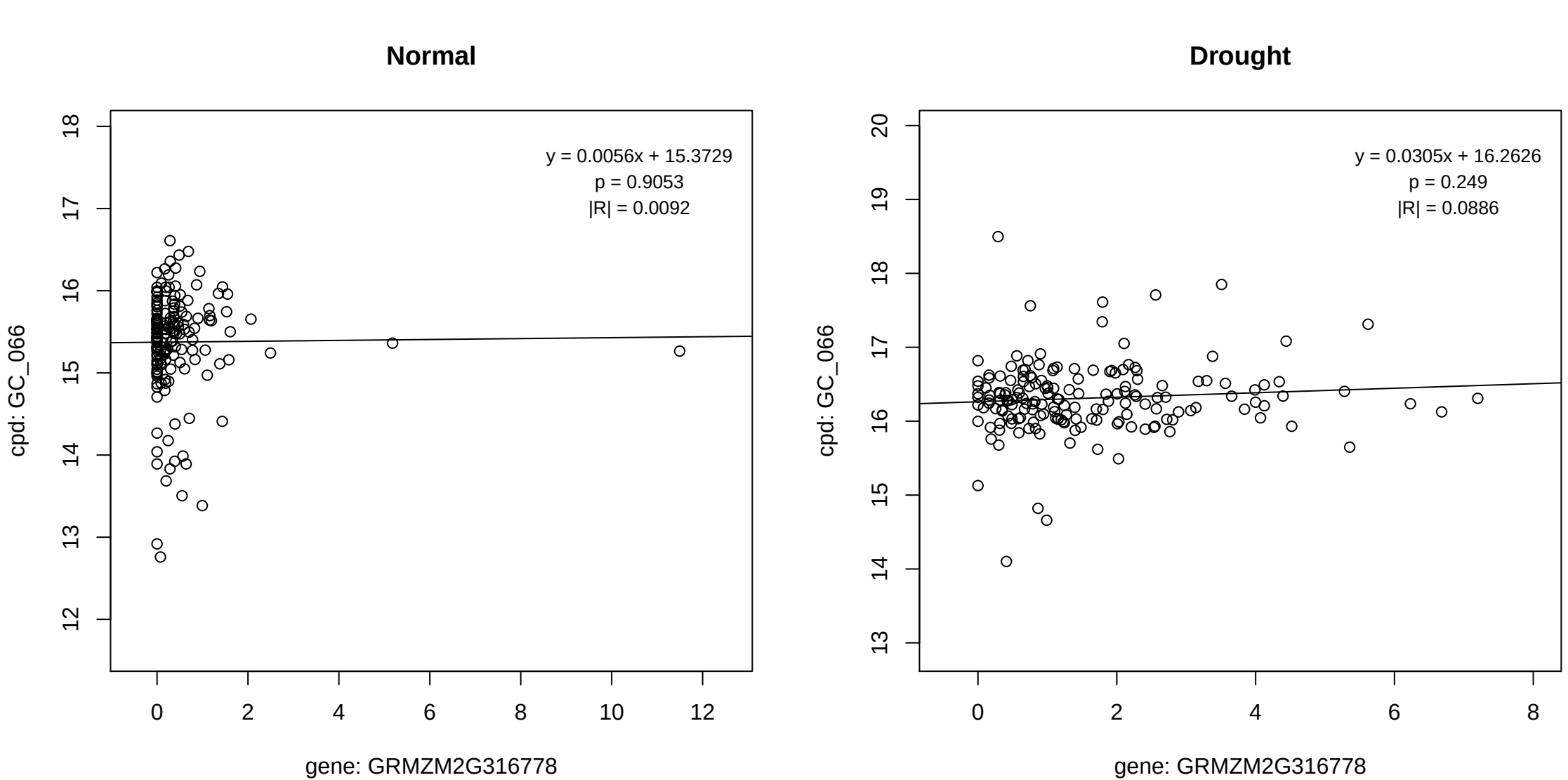

Normal
y = −1e−04x + 15.4002
p = 0.6726
|R| = 0.0325
cpd: GC_066
gene: GRMZM2G010491
Drought
y = 0x + 16.2984
p = 0.8623
|R| = 0.0134
cpd: GC_066
gene: GRMZM2G010491

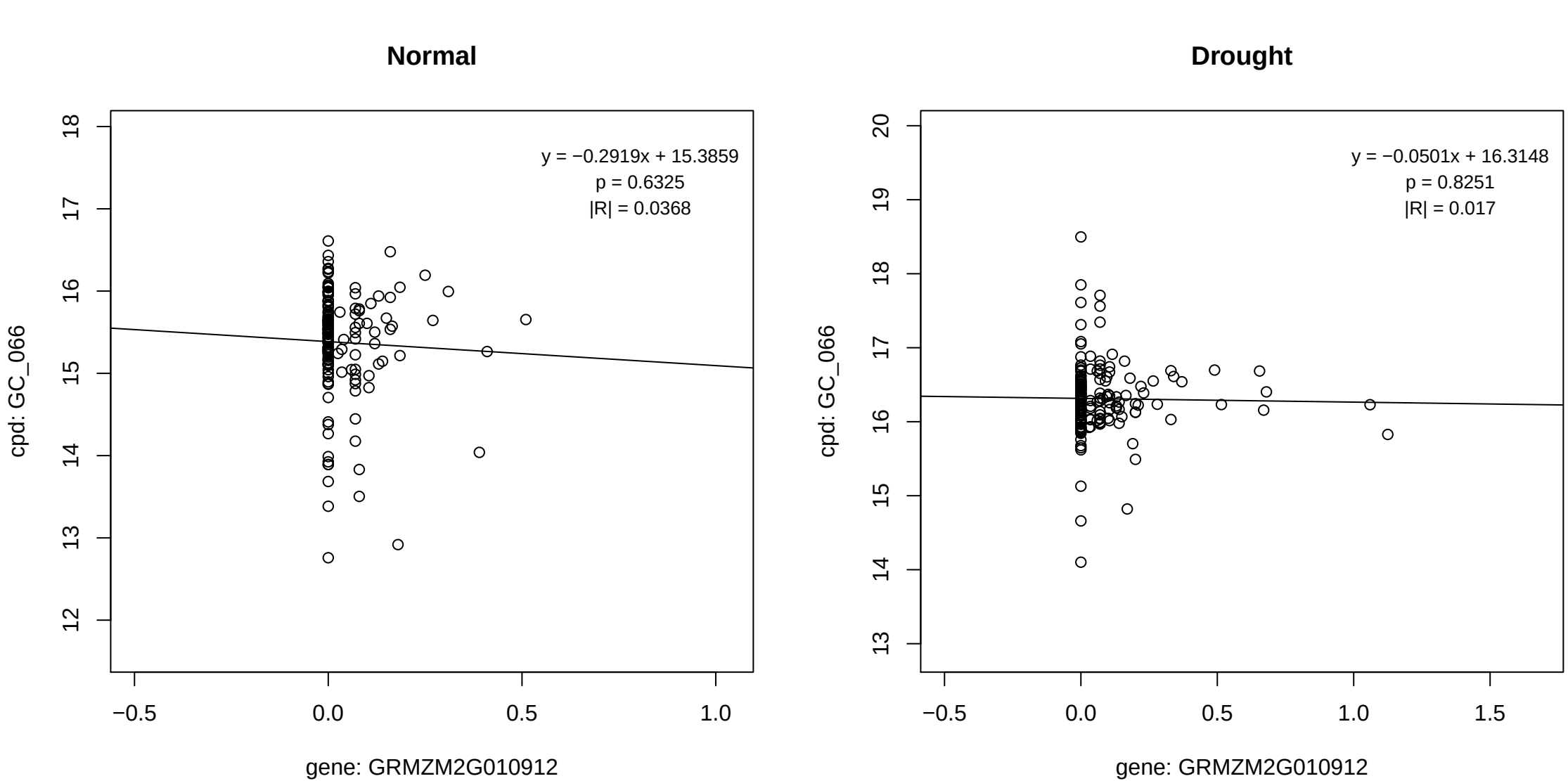

Normal
y = 0.7633x + 15.3615
p = 0.4662
|R| = 0.0561
cpd: GC_066
gene: GRMZM2G316787
Drought
y = 0.0216x + 16.308
p = 0.9222
|R| = 0.0075
cpd: GC_066
gene: GRMZM2G316787

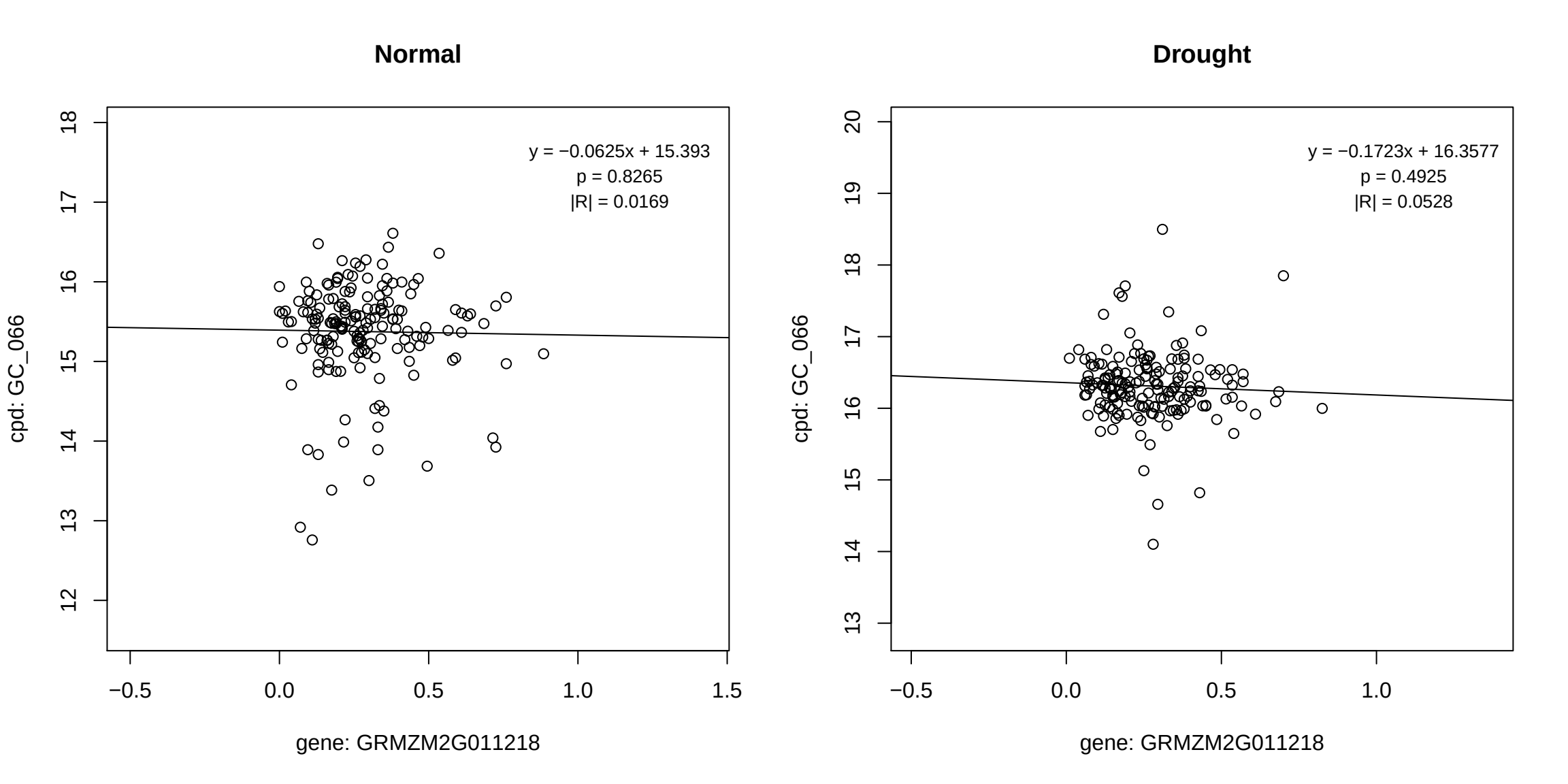

Normal
y = −0.0026x + 15.3935
p = 0.7614
|R| = 0.0234
cpd: GC_066
gene: GRMZM2G010933
Drought
y = 0.0057x + 16.2422
p = 0.2366
|R| = 0.091
cpd: GC_066
gene: GRMZM2G010933

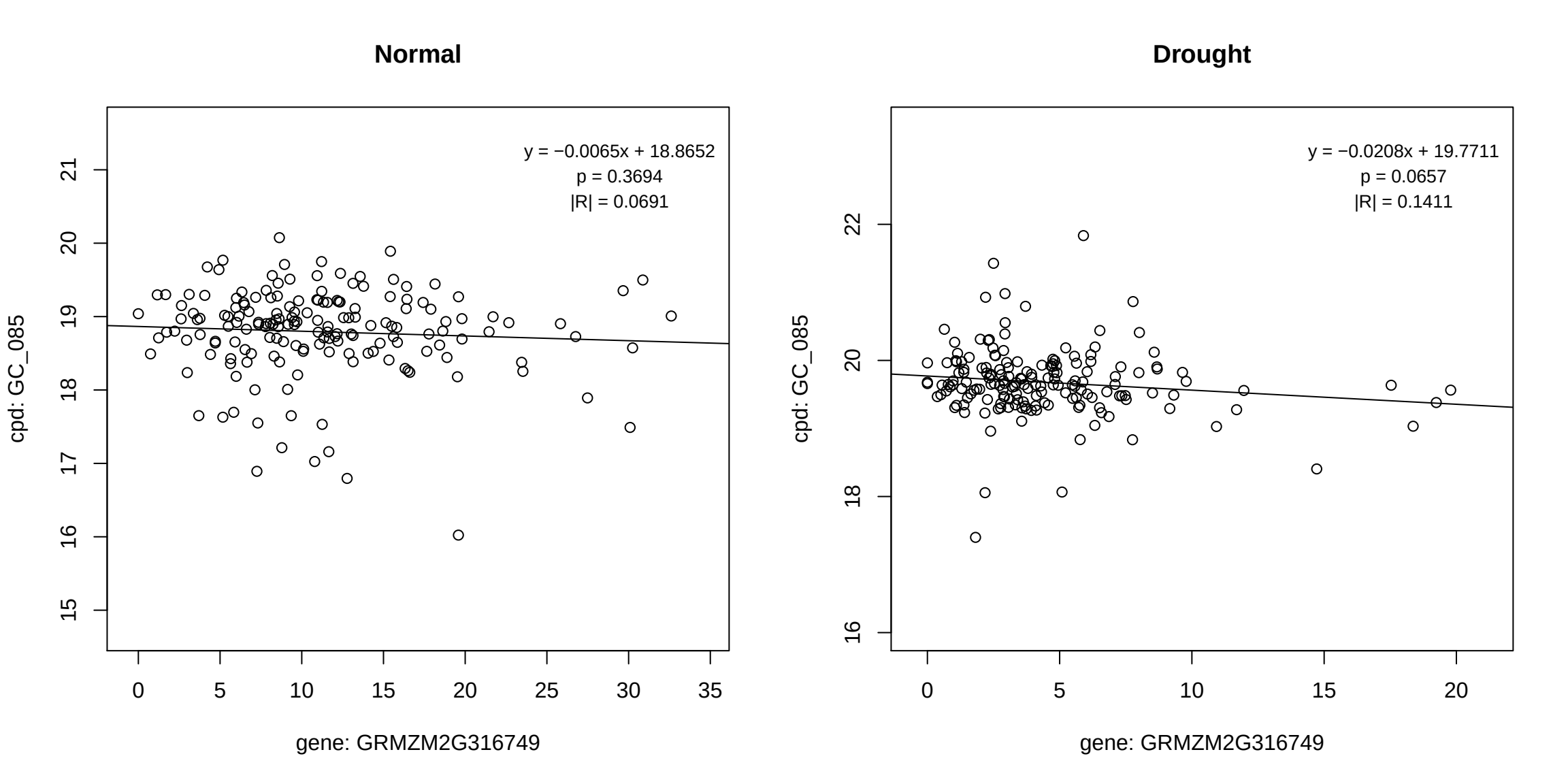

Normal
y = −0.0013x + 15.3849
p = 0.8989
|R| = 0.0098
cpd: GC_066
gene: GRMZM2G316758
Drought
y = 0.0301x + 16.1471
p = 0.0422
|R| = 0.1556
cpd: GC_066
gene: GRMZM2G316758

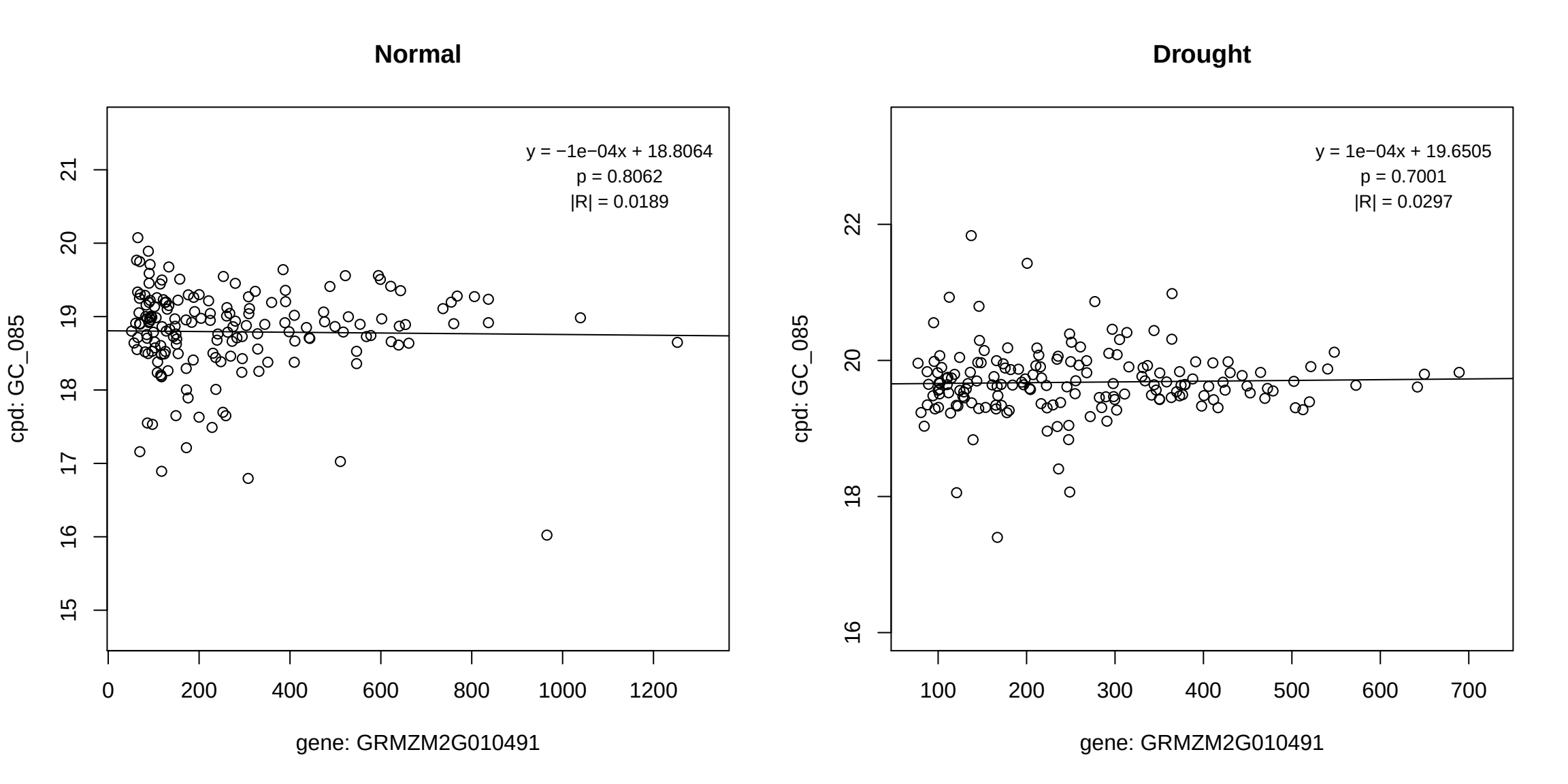

Normal
y = −0.1978x + 15.3946
p = 0.5212
|R| = 0.0494
cpd: GC_066
gene: AC186287.7_FG005
Drought
y = −0.261x + 16.3263
p = 0.4454
|R| = 0.0587
cpd: GC_066
gene: AC186287.7_FG005

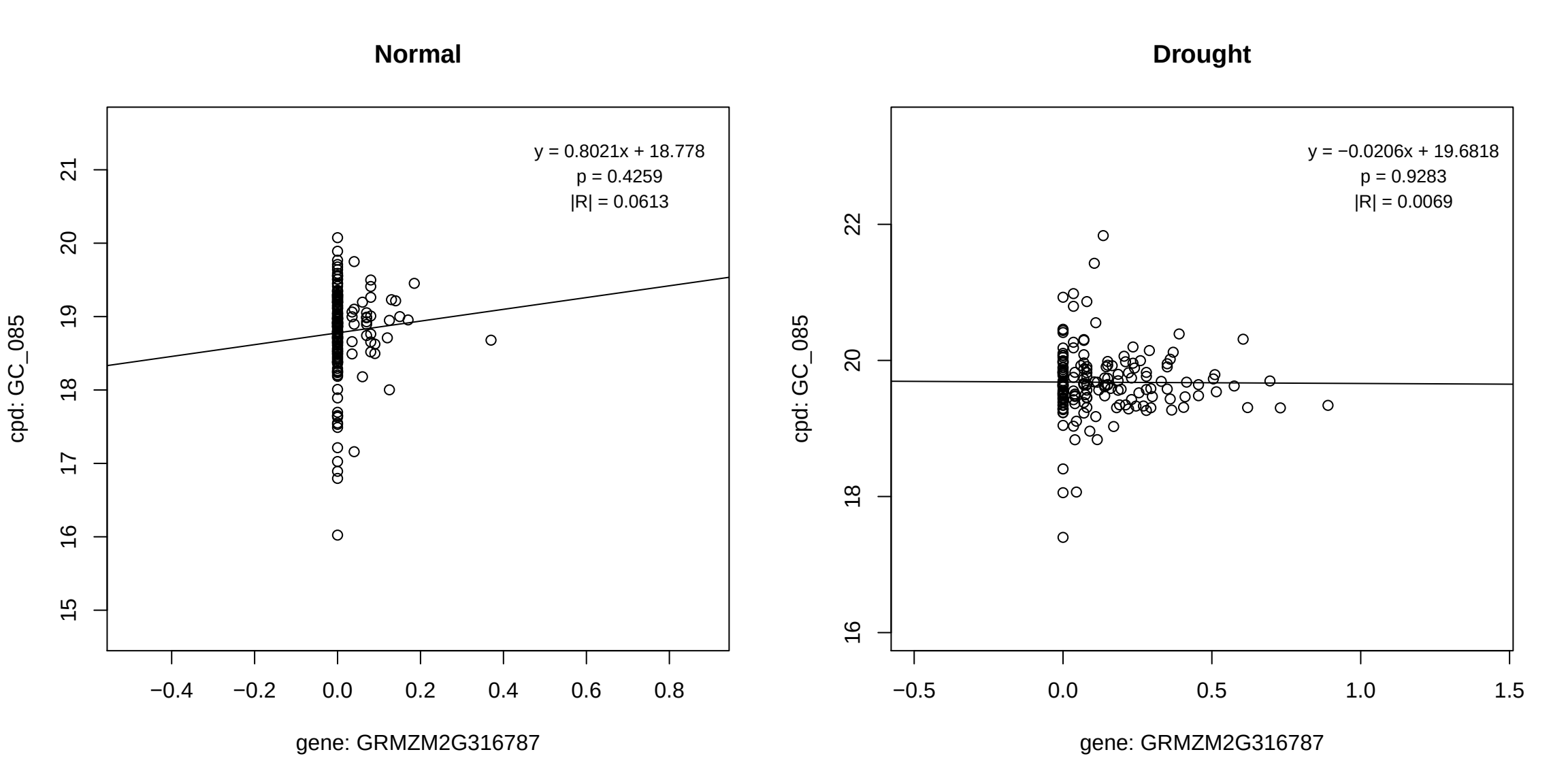

Normal
y = 0.0056x + 15.3729
p = 0.9053
|R| = 0.0092
cpd: GC_066
gene: GRMZM2G316778
Drought
y = 0.0305x + 16.2626
p = 0.249
|R| = 0.0886
cpd: GC_066
gene: GRMZM2G316778

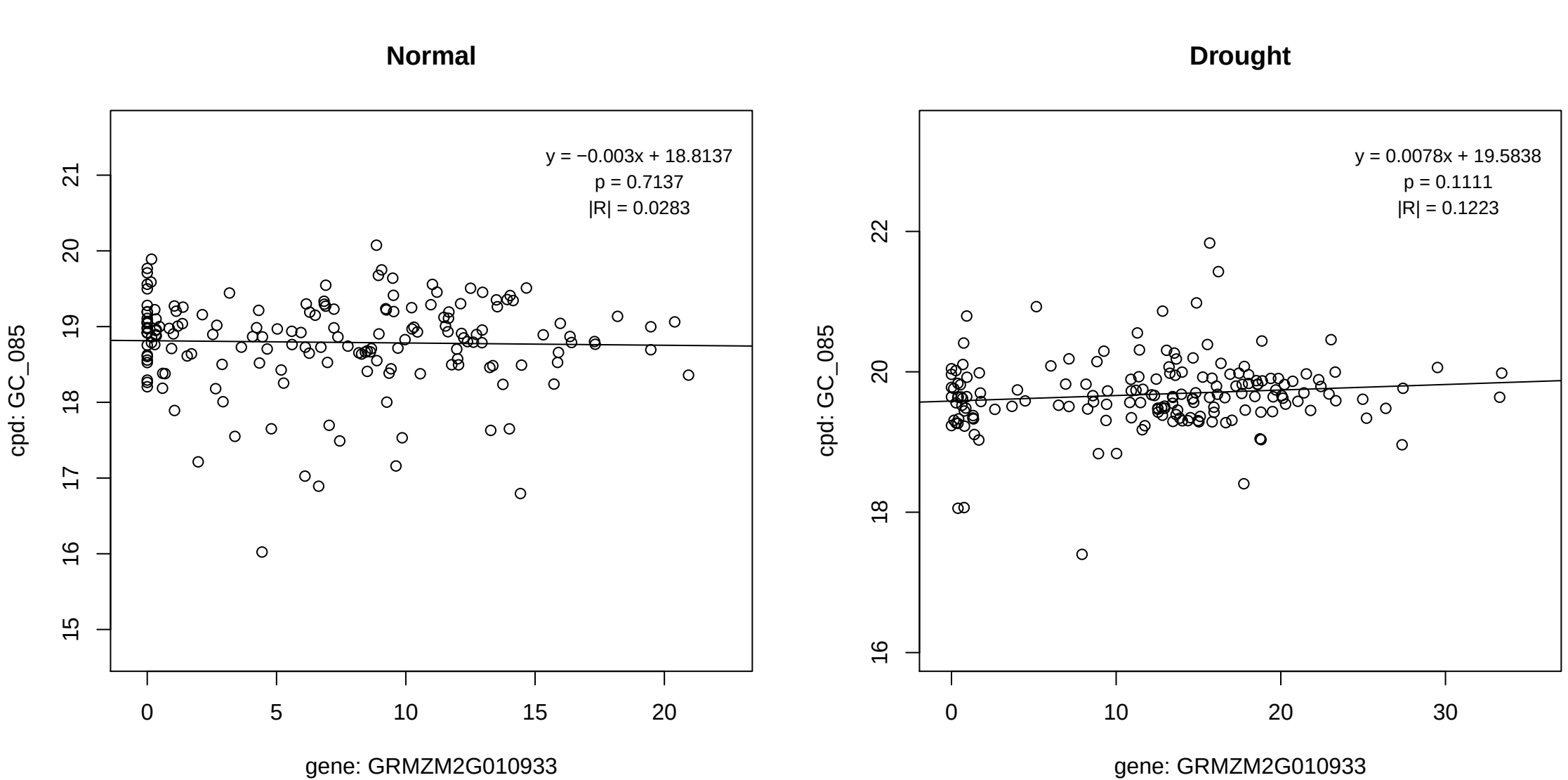

Normal
y = −0.2919x + 15.3859
p = 0.6325
|R| = 0.0368
cpd: GC_066
gene: GRMZM2G010912
Drought
y = −0.0501x + 16.3148
p = 0.8251
|R| = 0.017
cpd: GC_066
gene: GRMZM2G010912

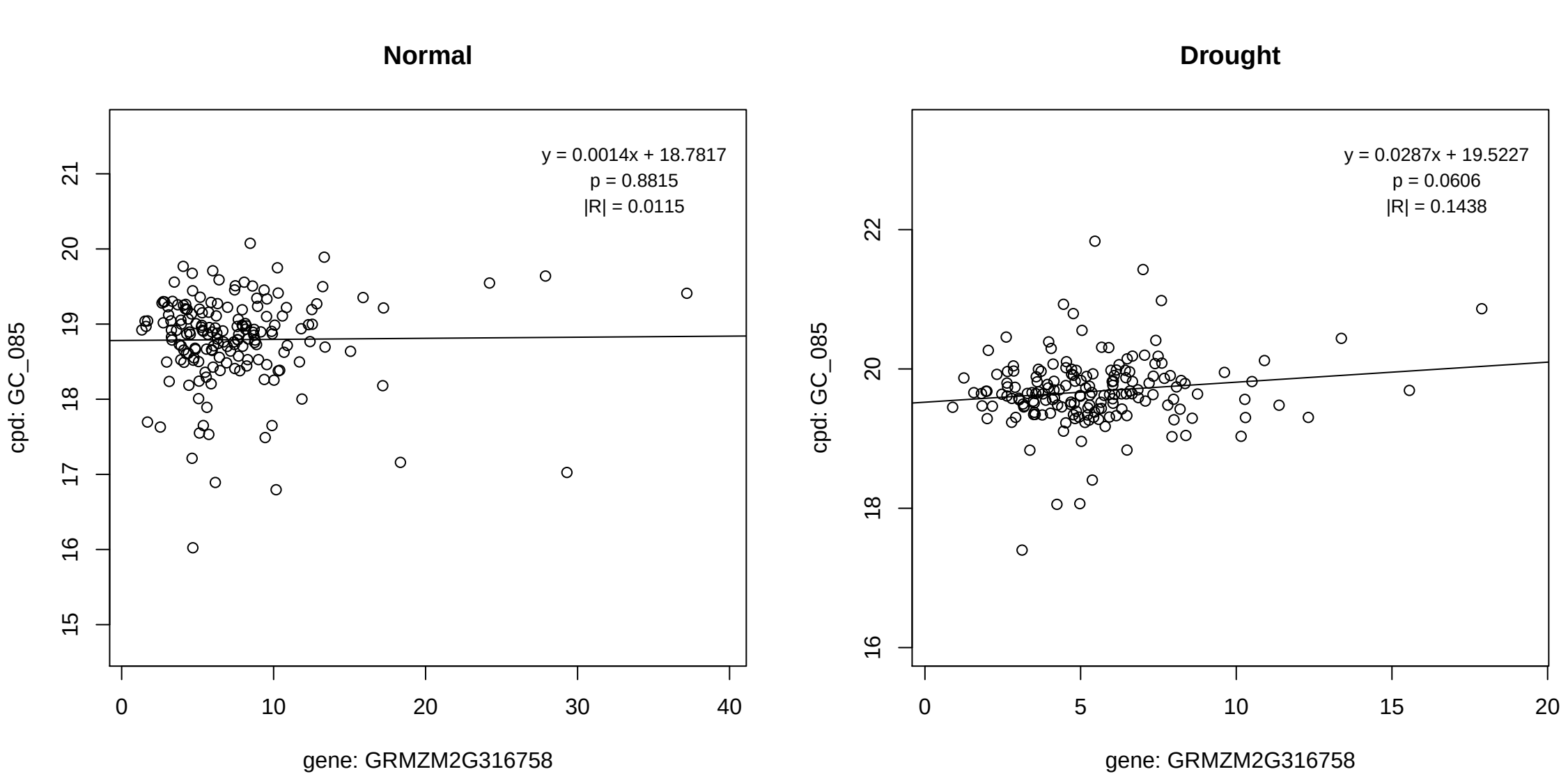

Normal
y = −0.0625x + 15.393
p = 0.8265
|R| = 0.0169
cpd: GC_066
gene: GRMZM2G011218
Drought
y = −0.1723x + 16.3577
p = 0.4925
|R| = 0.0528
cpd: GC_066
gene: GRMZM2G011218

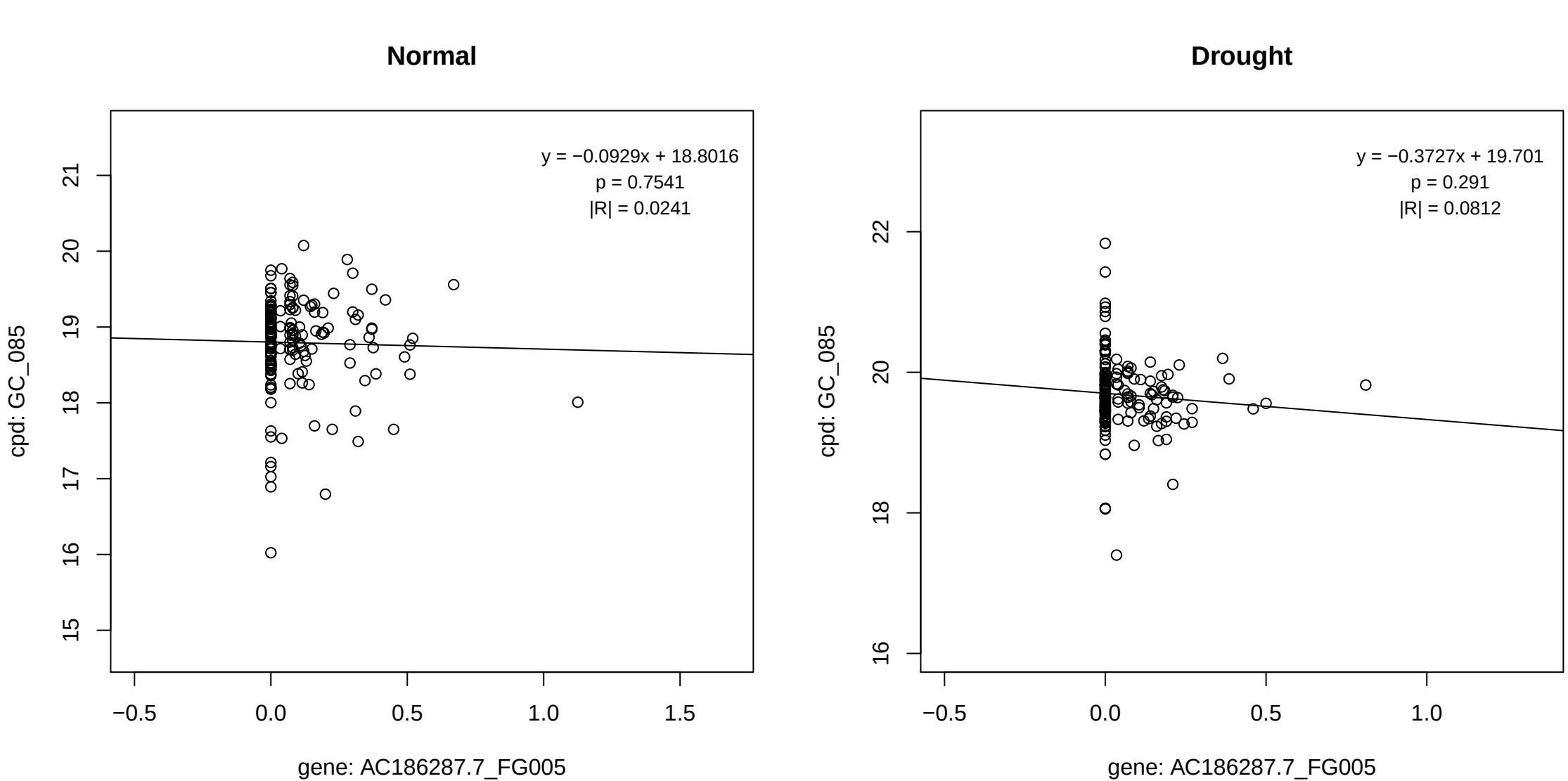

Normal
y = −0.0065x + 18.8652
p = 0.3694
|R| = 0.0691
cpd: GC_085
gene: GRMZM2G316749
Drought
y = −0.0208x + 19.7711
p = 0.0657
|R| = 0.1411
cpd: GC_085
gene: GRMZM2G316749

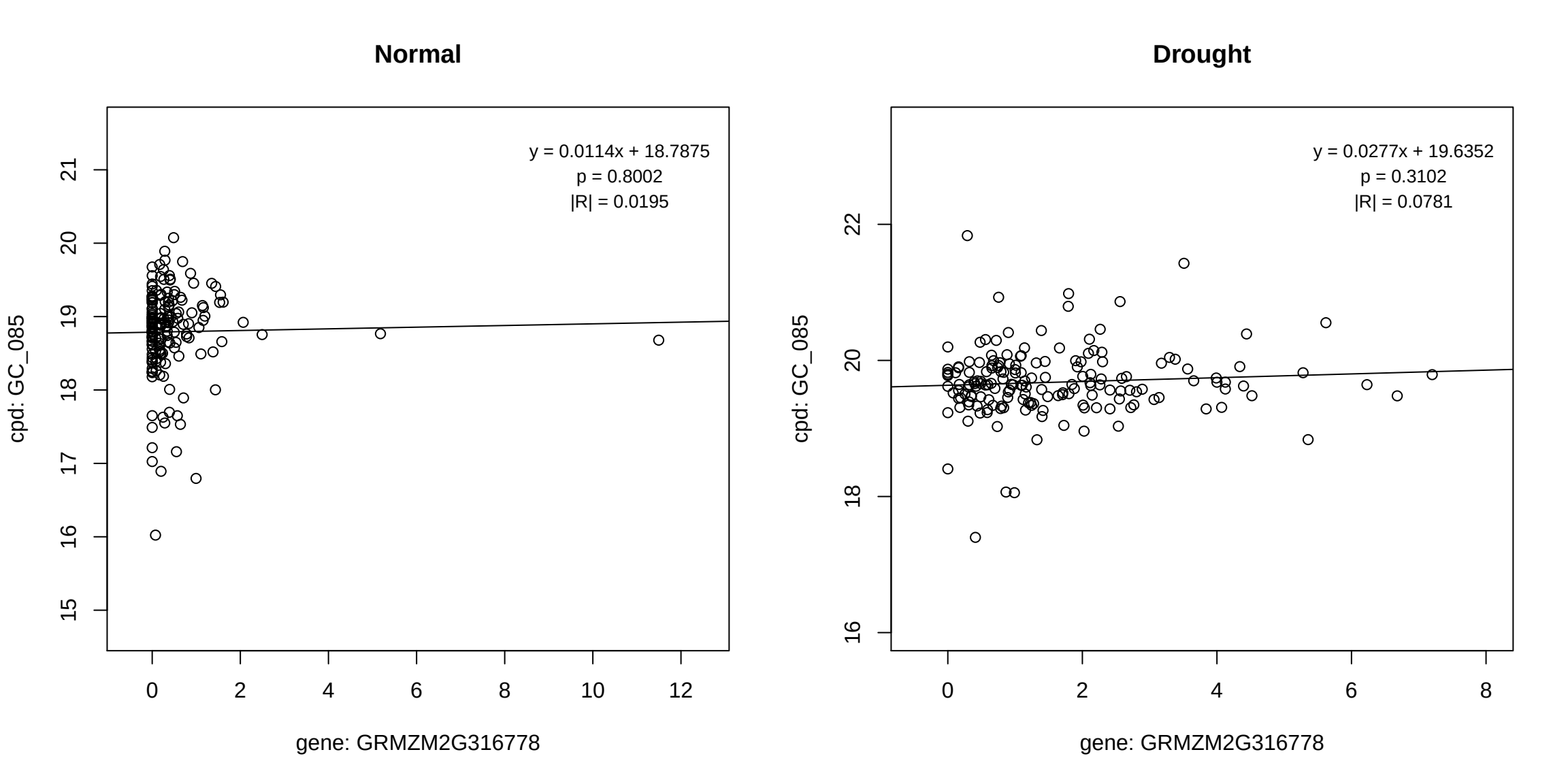

Normal
y = −1e−04x + 18.8064
p = 0.8062
|R| = 0.0189
cpd: GC_085
gene: GRMZM2G010491
Drought
y = 1e−04x + 19.6505
p = 0.7001
|R| = 0.0297
cpd: GC_085
gene: GRMZM2G010491

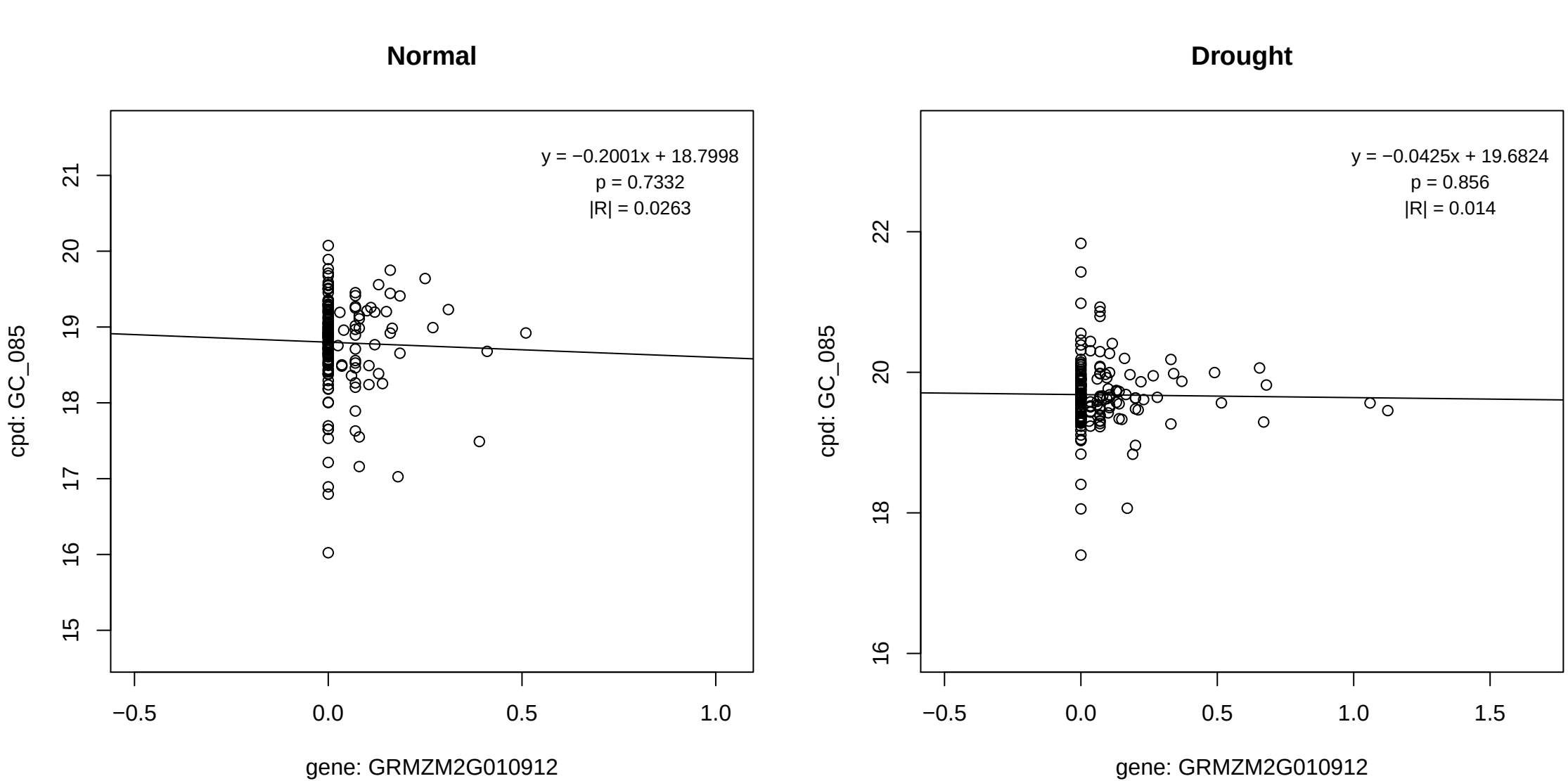

Normal
y = 0.8021x + 18.778
p = 0.4259
|R| = 0.0613
cpd: GC_085
gene: GRMZM2G316787
Drought
y = −0.0206x + 19.6818
p = 0.9283
|R| = 0.0069
cpd: GC_085
gene: GRMZM2G316787

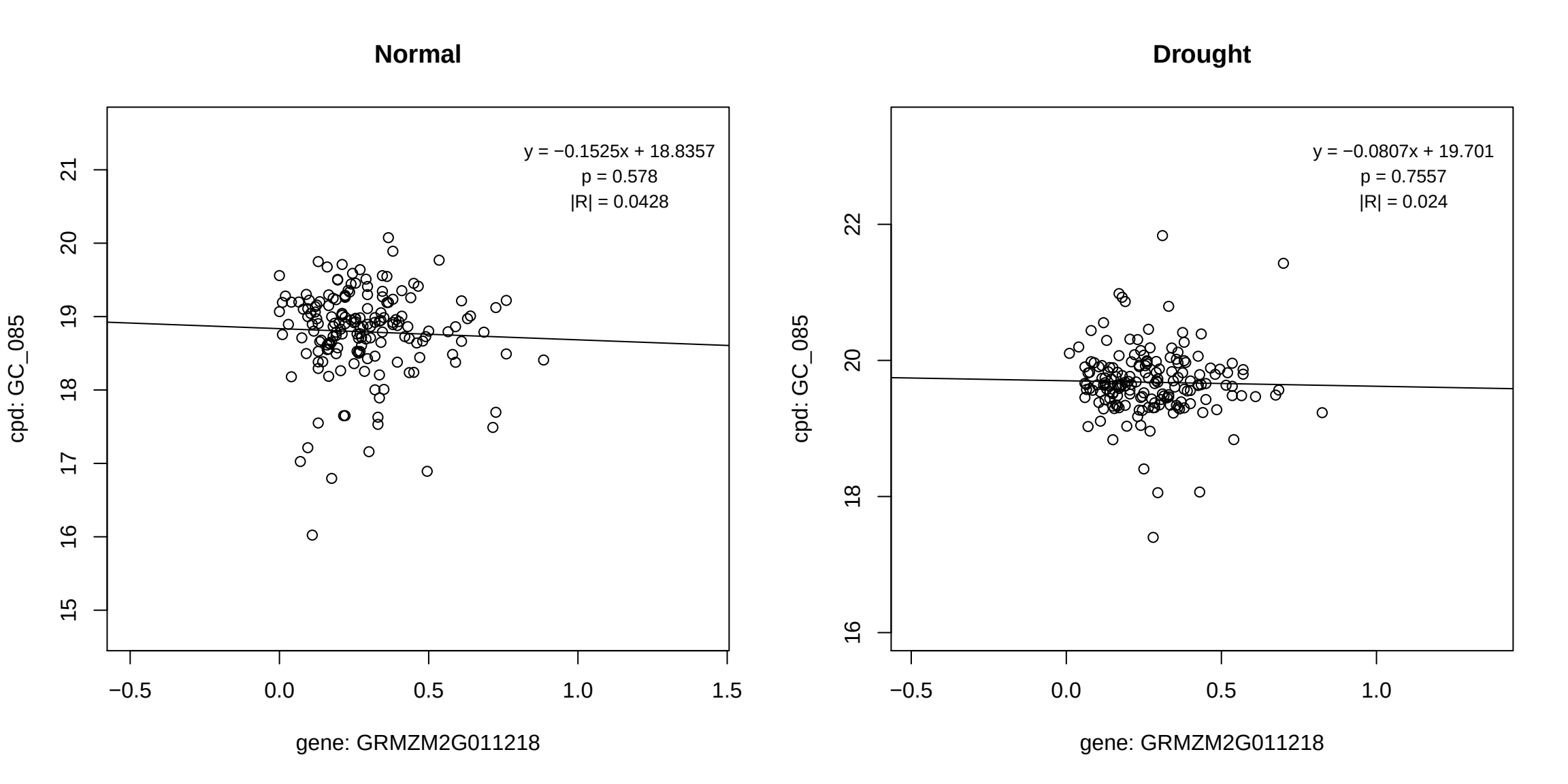

Normal
y = −0.003x + 18.8137
p = 0.7137
|R| = 0.0283
cpd: GC_085
gene: GRMZM2G010933
Drought
y = 0.0078x + 19.5838
p = 0.1111
|R| = 0.1223
cpd: GC_085
gene: GRMZM2G010933

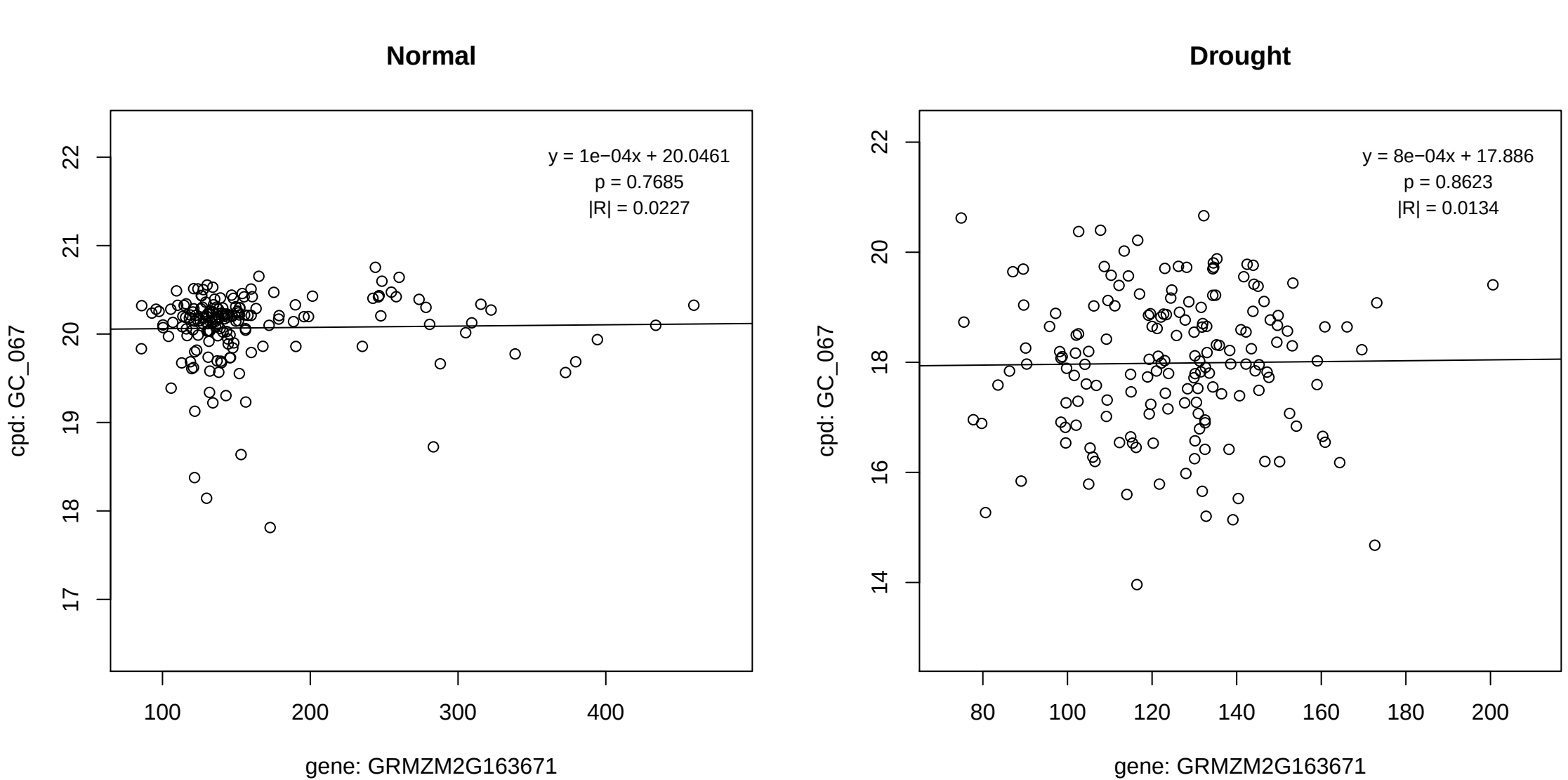

Normal
y = 0.0014x + 18.7817
p = 0.8815
|R| = 0.0115
cpd: GC_085
gene: GRMZM2G316758
Drought
y = 0.0287x + 19.5227
p = 0.0606
|R| = 0.1438
cpd: GC_085
gene: GRMZM2G316758

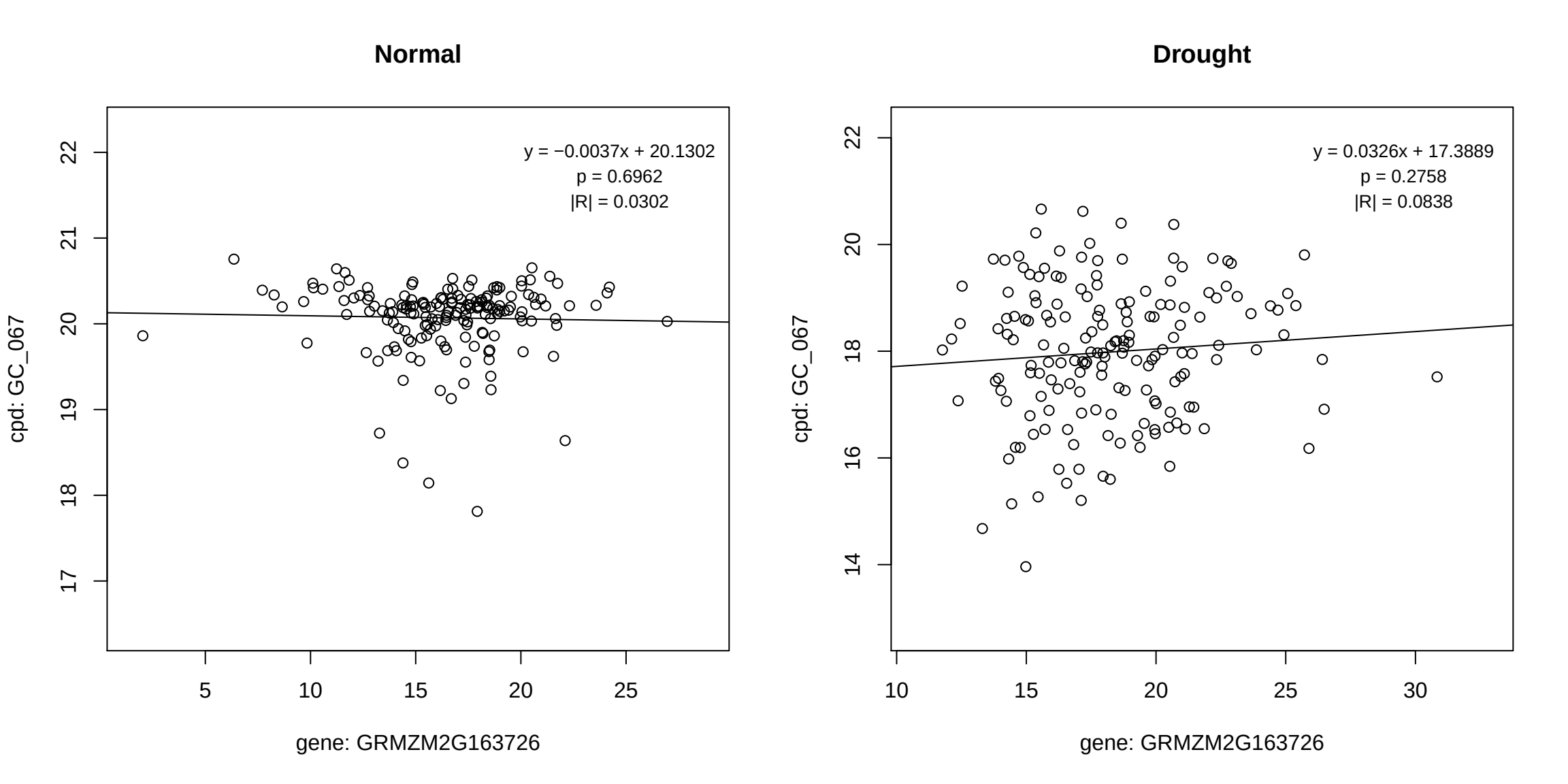

Normal
y = −0.0929x + 18.8016
p = 0.7541
|R| = 0.0241
cpd: GC_085
gene: AC186287.7_FG005
Drought
y = −0.3727x + 19.701
p = 0.291
|R| = 0.0812
cpd: GC_085
gene: AC186287.7_FG005

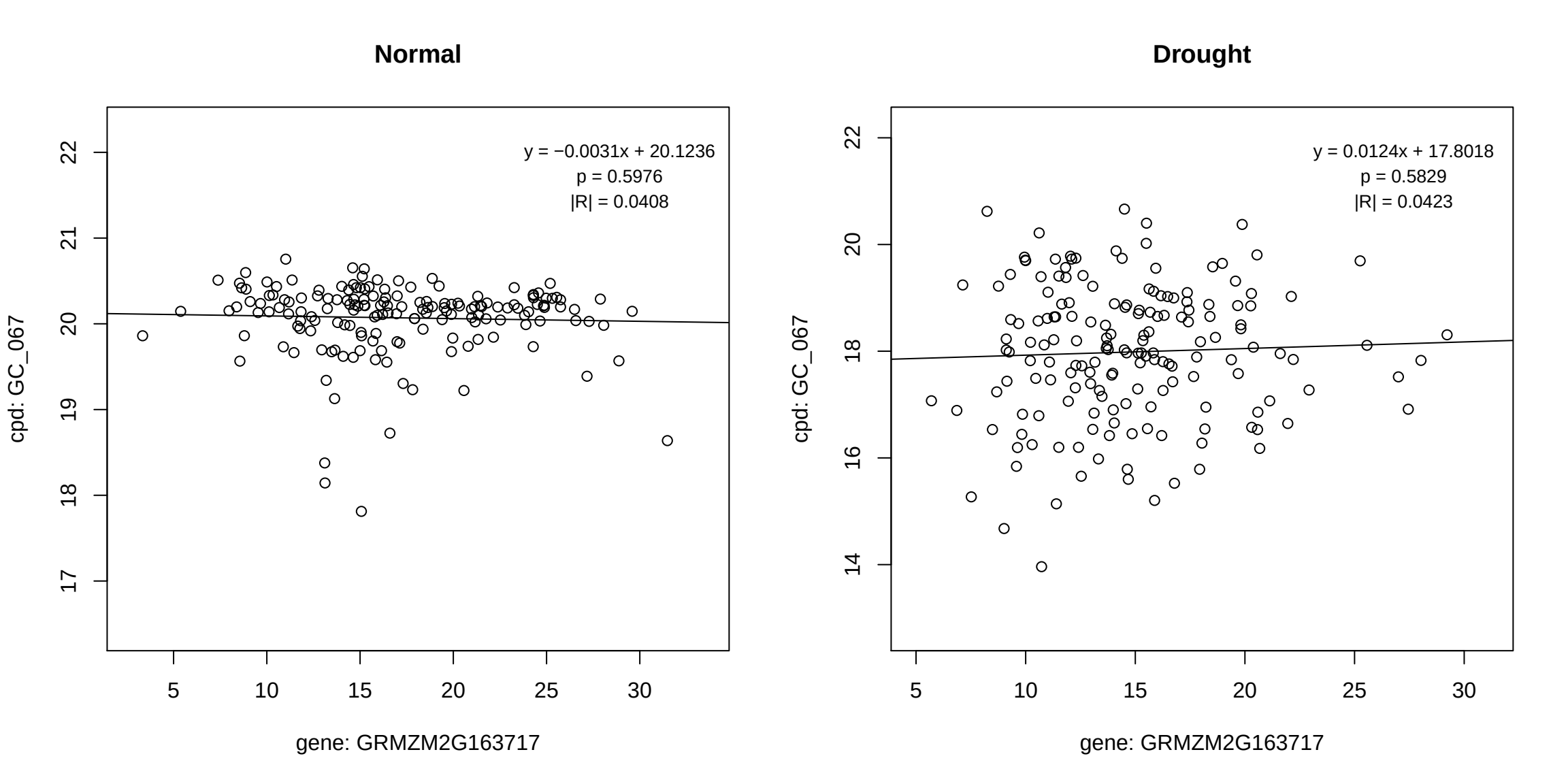

Normal
y = 0.0114x + 18.7875
p = 0.8002
|R| = 0.0195
cpd: GC_085
gene: GRMZM2G316778
Drought
y = 0.0277x + 19.6352
p = 0.3102
|R| = 0.0781
cpd: GC_085
gene: GRMZM2G316778

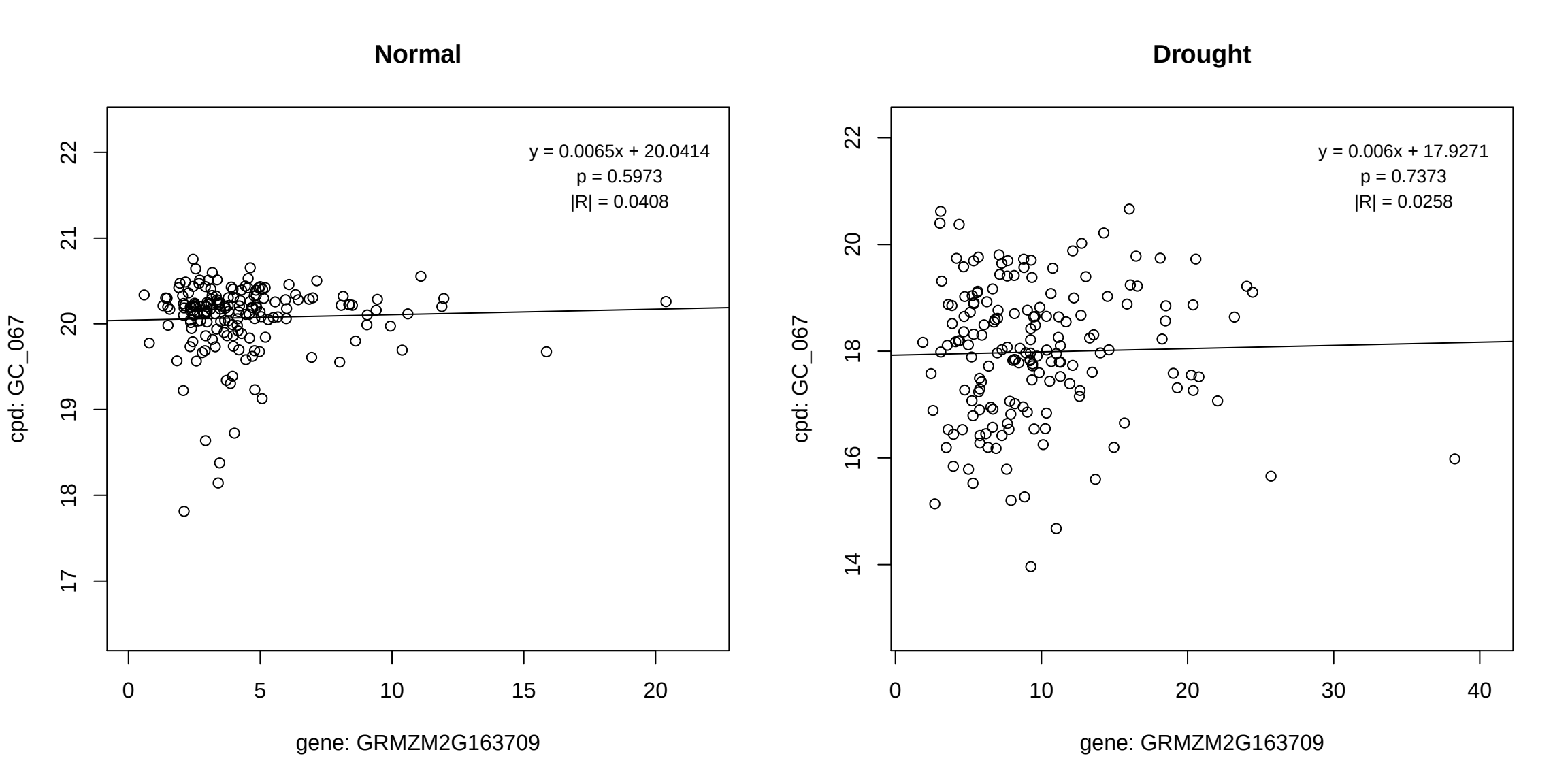

Normal
y = −0.2001x + 18.7998
p = 0.7332
|R| = 0.0263
cpd: GC_085
gene: GRMZM2G010912
Drought
y = −0.0425x + 19.6824
p = 0.856
|R| = 0.014
cpd: GC_085
gene: GRMZM2G010912

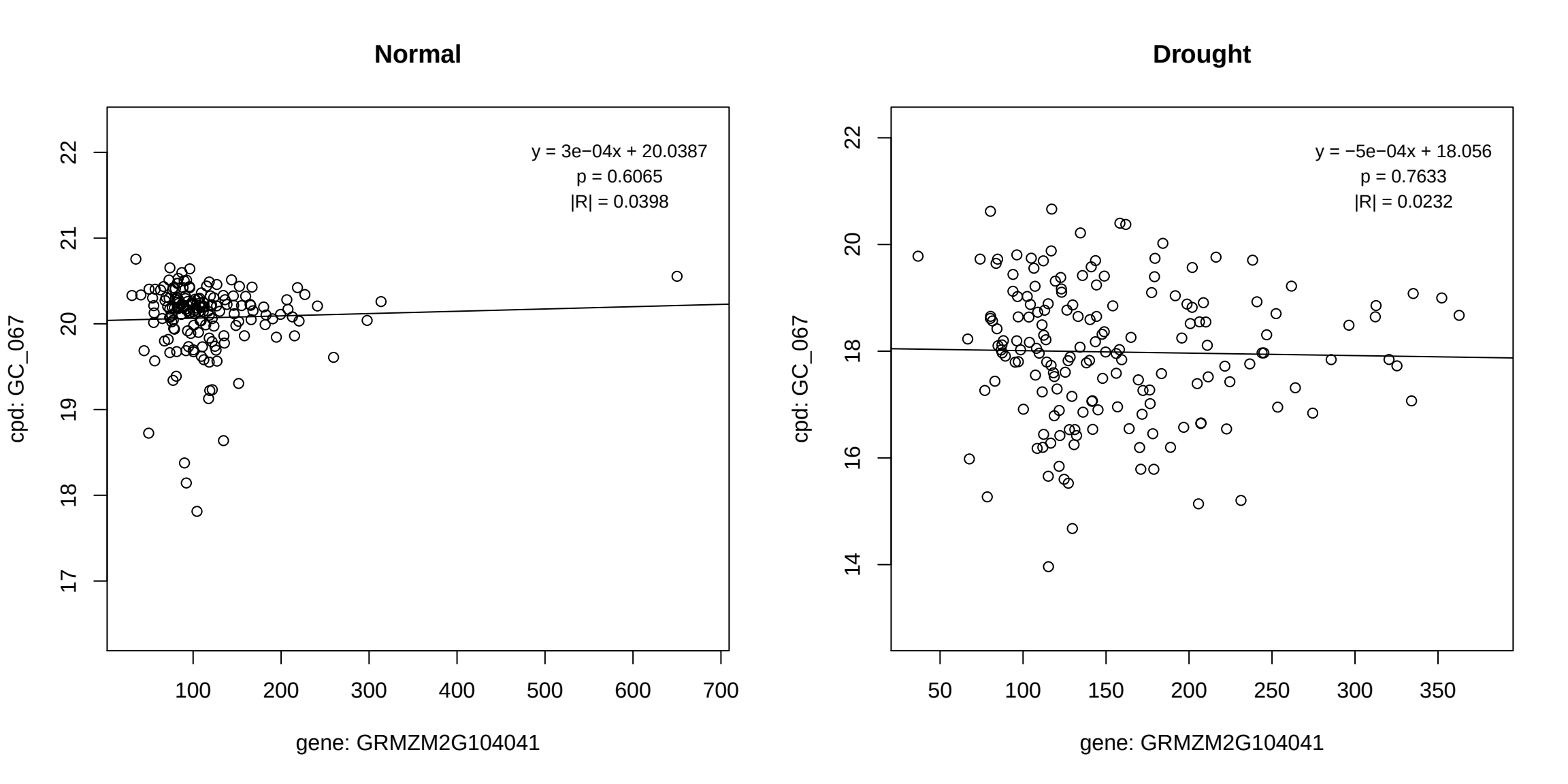

Normal
y = −0.1525x + 18.8357
p = 0.578
|R| = 0.0428
cpd: GC_085
gene: GRMZM2G011218
Drought
y = −0.0807x + 19.701
p = 0.7557
|R| = 0.024
cpd: GC_085
gene: GRMZM2G011218

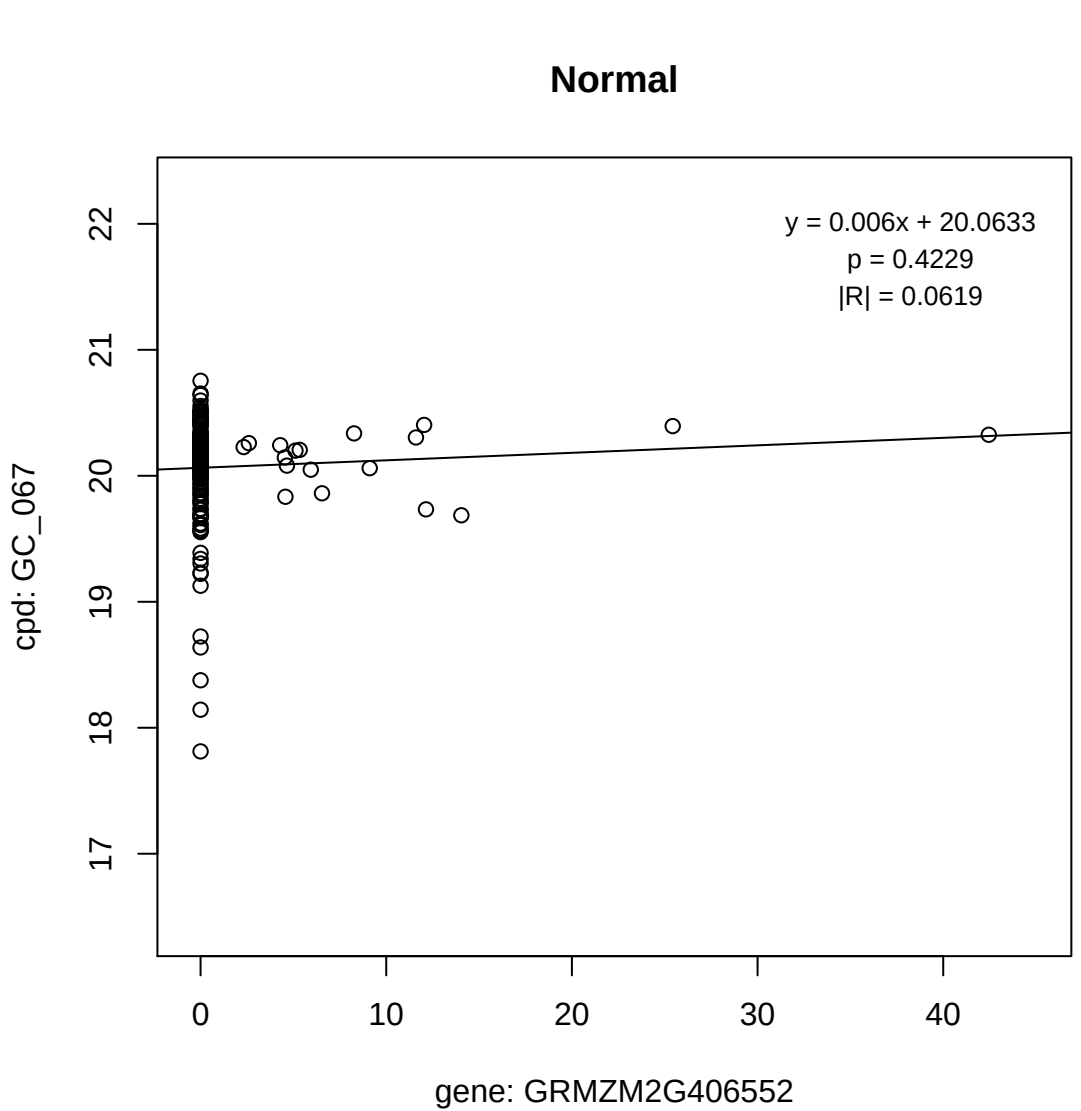

Normal
y = 1e−04x + 20.0461
p = 0.7685
|R| = 0.0227
cpd: GC_067
gene: GRMZM2G163671
Drought
y = 8e−04x + 17.886
p = 0.8623
|R| = 0.0134
cpd: GC_067
gene: GRMZM2G163671

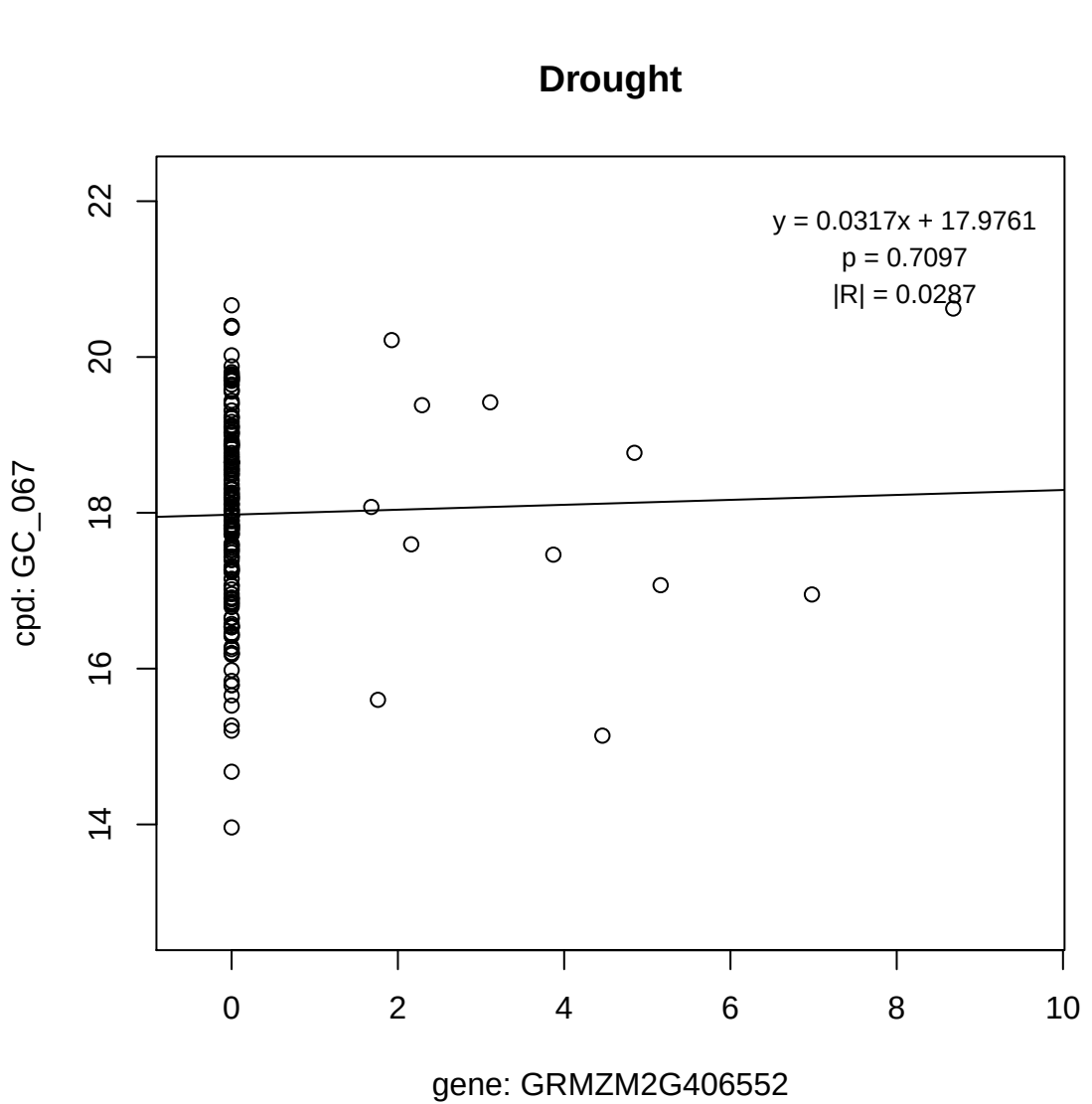

Normal
y = −0.0037x + 20.1302
p = 0.6962
|R| = 0.0302
cpd: GC_067
gene: GRMZM2G163726
Drought
y = 0.0326x + 17.3889
p = 0.2758
|R| = 0.0838
cpd: GC_067
gene: GRMZM2G163726

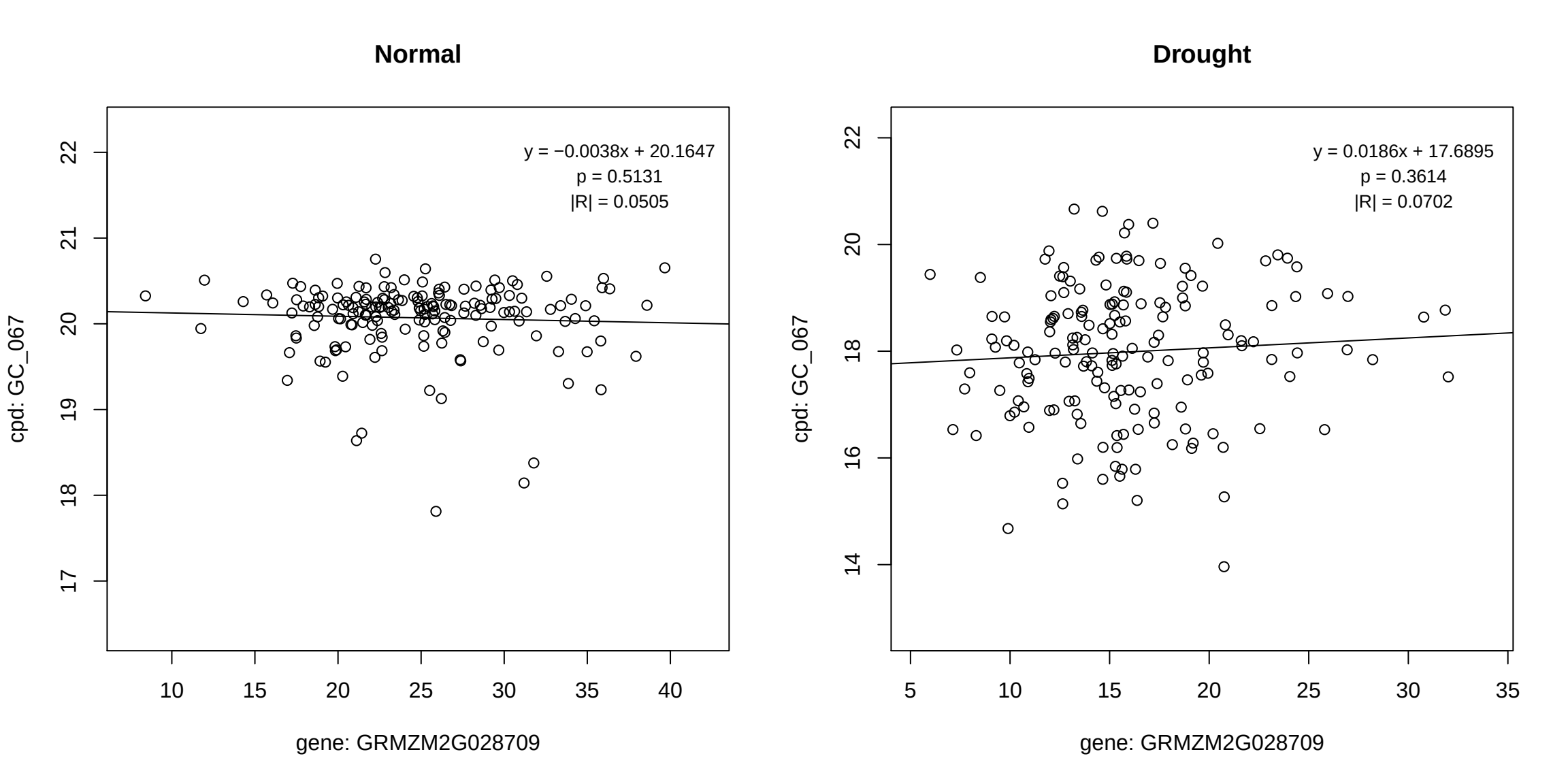

Normal
y = −0.0031x + 20.1236
p = 0.5976
|R| = 0.0408
cpd: GC_067
gene: GRMZM2G163717
Drought
y = 0.0124x + 17.8018
p = 0.5829
|R| = 0.0423
cpd: GC_067
gene: GRMZM2G163717

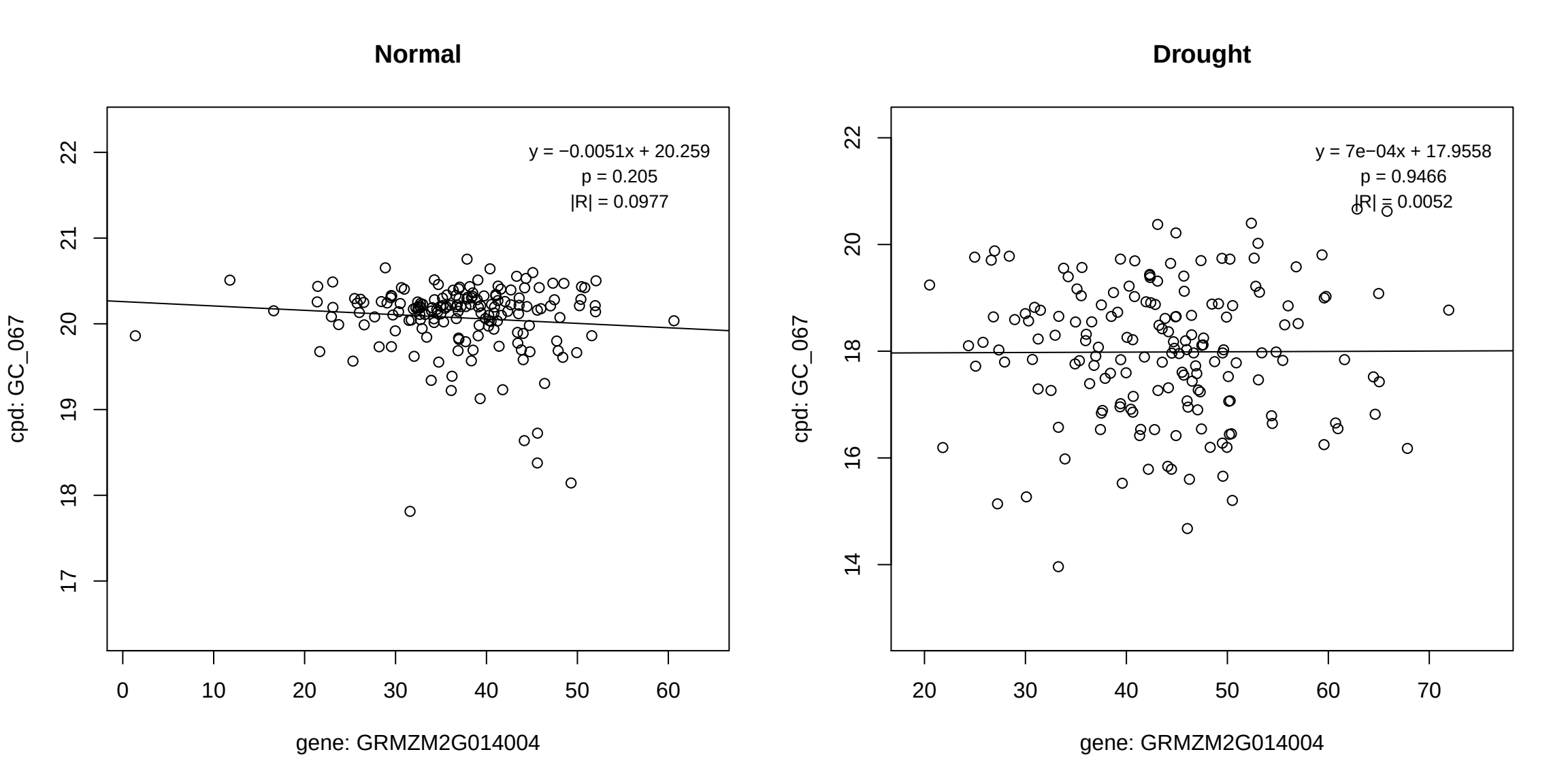

Normal
y = 0.0065x + 20.0414
p = 0.5973
|R| = 0.0408
cpd: GC_067
gene: GRMZM2G163709
Drought
y = 0.006x + 17.9271
p = 0.7373
|R| = 0.0258
cpd: GC_067
gene: GRMZM2G163709

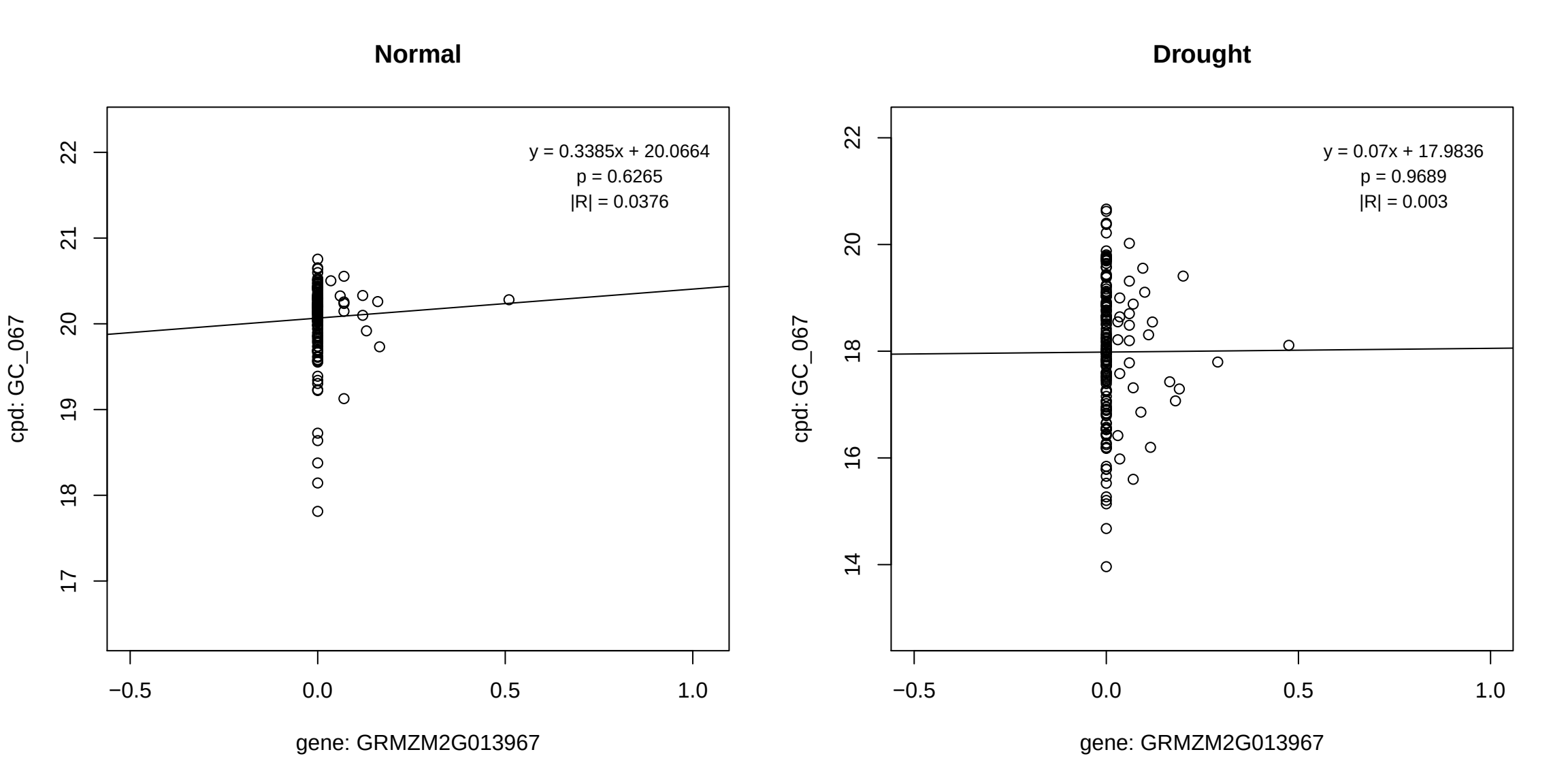

Normal
y = 3e−04x + 20.0387
p = 0.6065
|R| = 0.0398
cpd: GC_067
gene: GRMZM2G104041
Drought
y = −5e−04x + 18.056
p = 0.7633
|R| = 0.0232
cpd: GC_067
gene: GRMZM2G104041

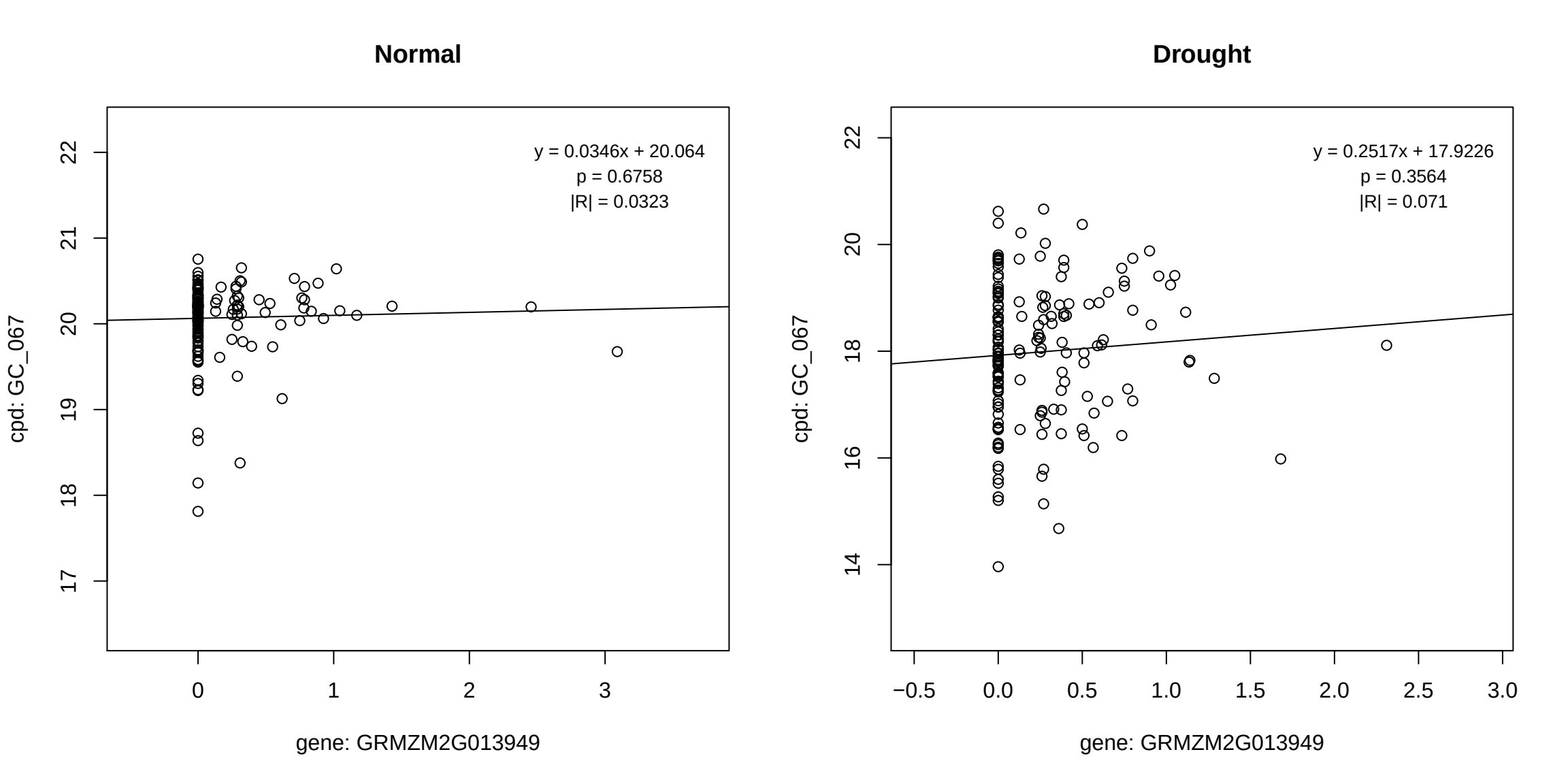

Normal
y = 0.006x + 20.0633
p = 0.4229
|R| = 0.0619
cpd: GC_067
gene: GRMZM2G406552
17
18
19
20
21
22
0
10
20
30
40

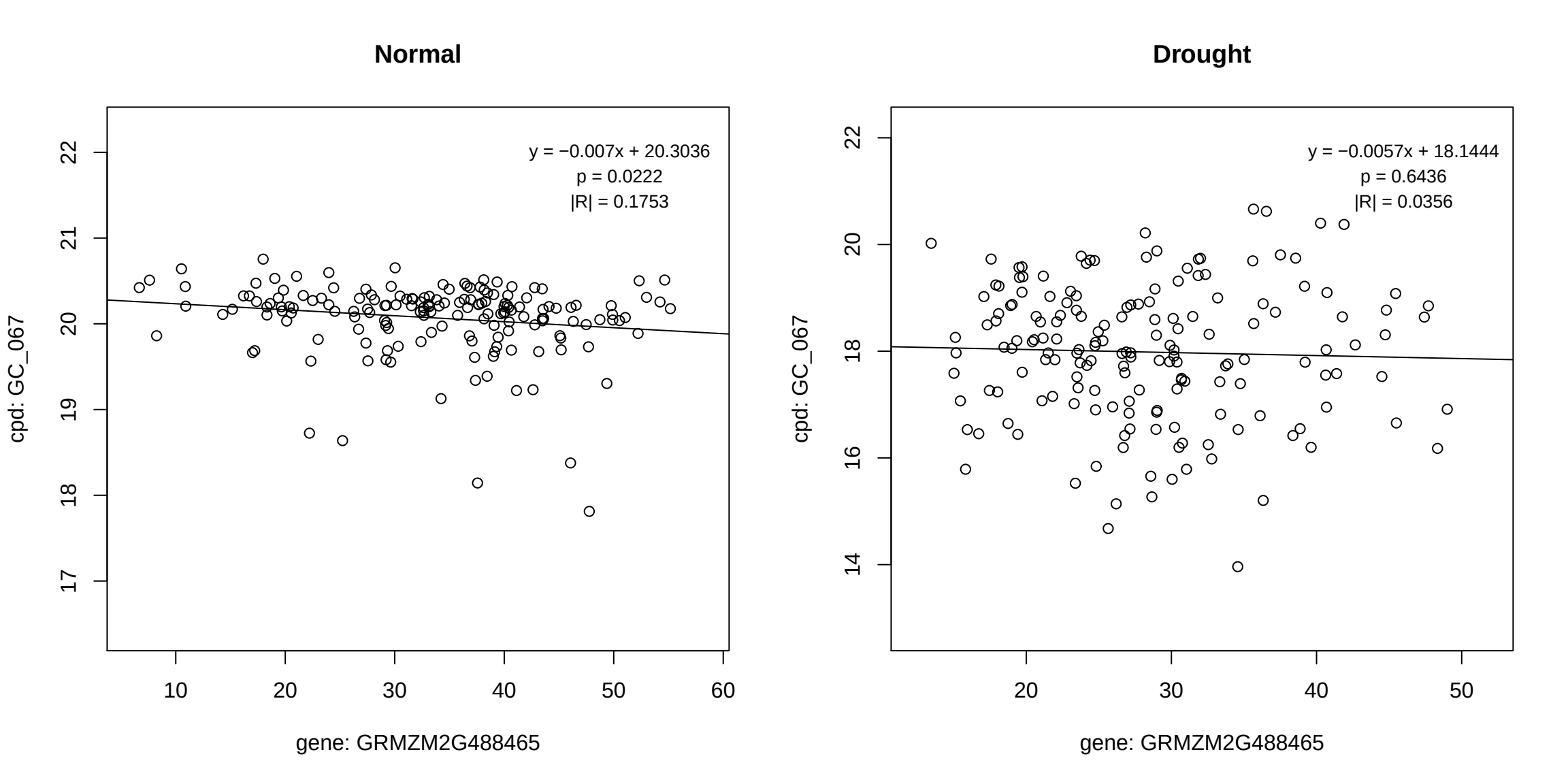

Drought
y = 0.0317x + 17.9761
p = 0.7097
|R| = 0.0287
cpd: GC_067
gene: GRMZM2G406552
14
16
18
20
22
0
2
4
6
8
10

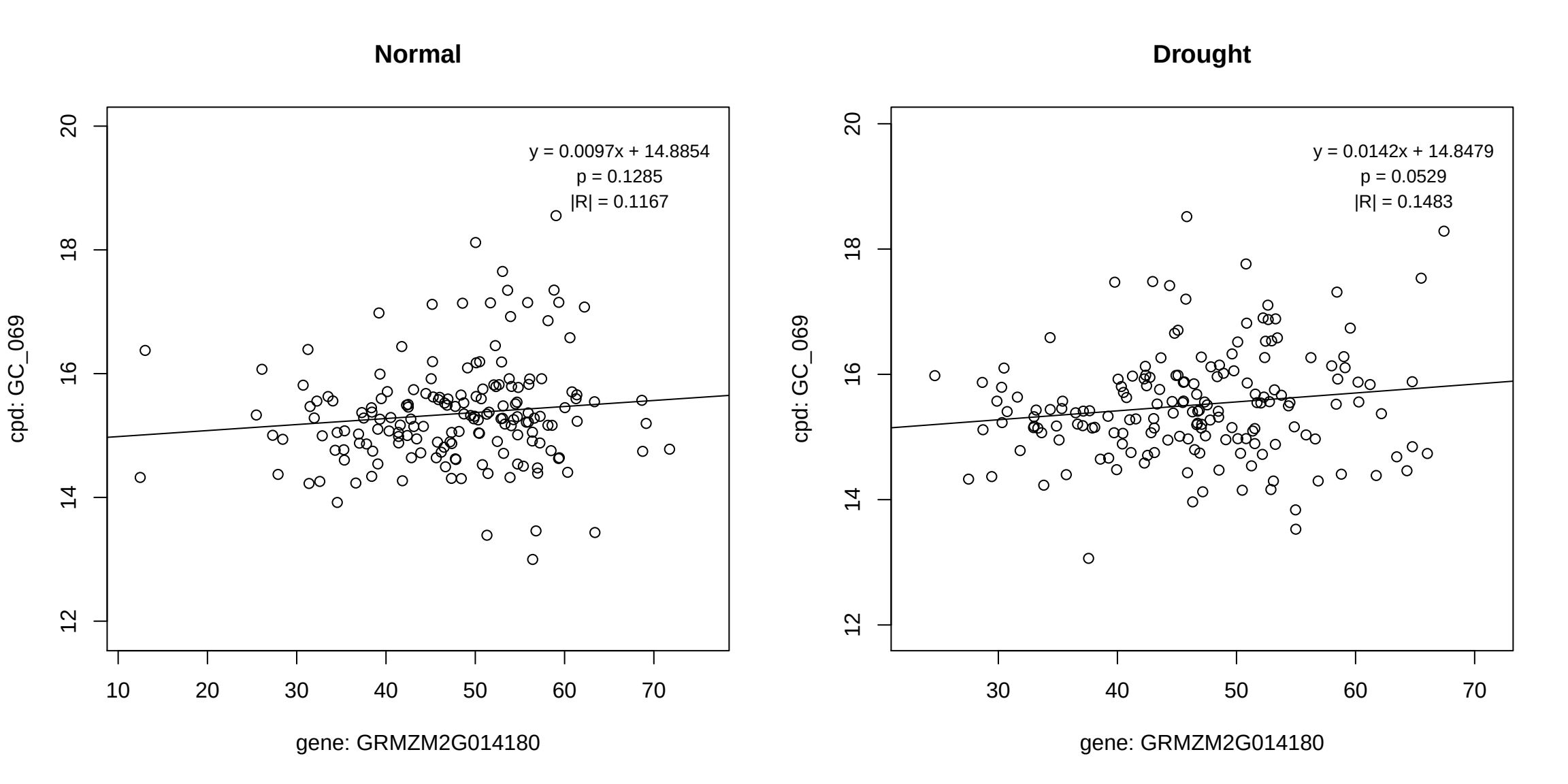

Normal
y = −0.0038x + 20.1647
p = 0.5131
|R| = 0.0505
cpd: GC_067
gene: GRMZM2G028709
Drought
y = 0.0186x + 17.6895
p = 0.3614
|R| = 0.0702
cpd: GC_067
gene: GRMZM2G028709

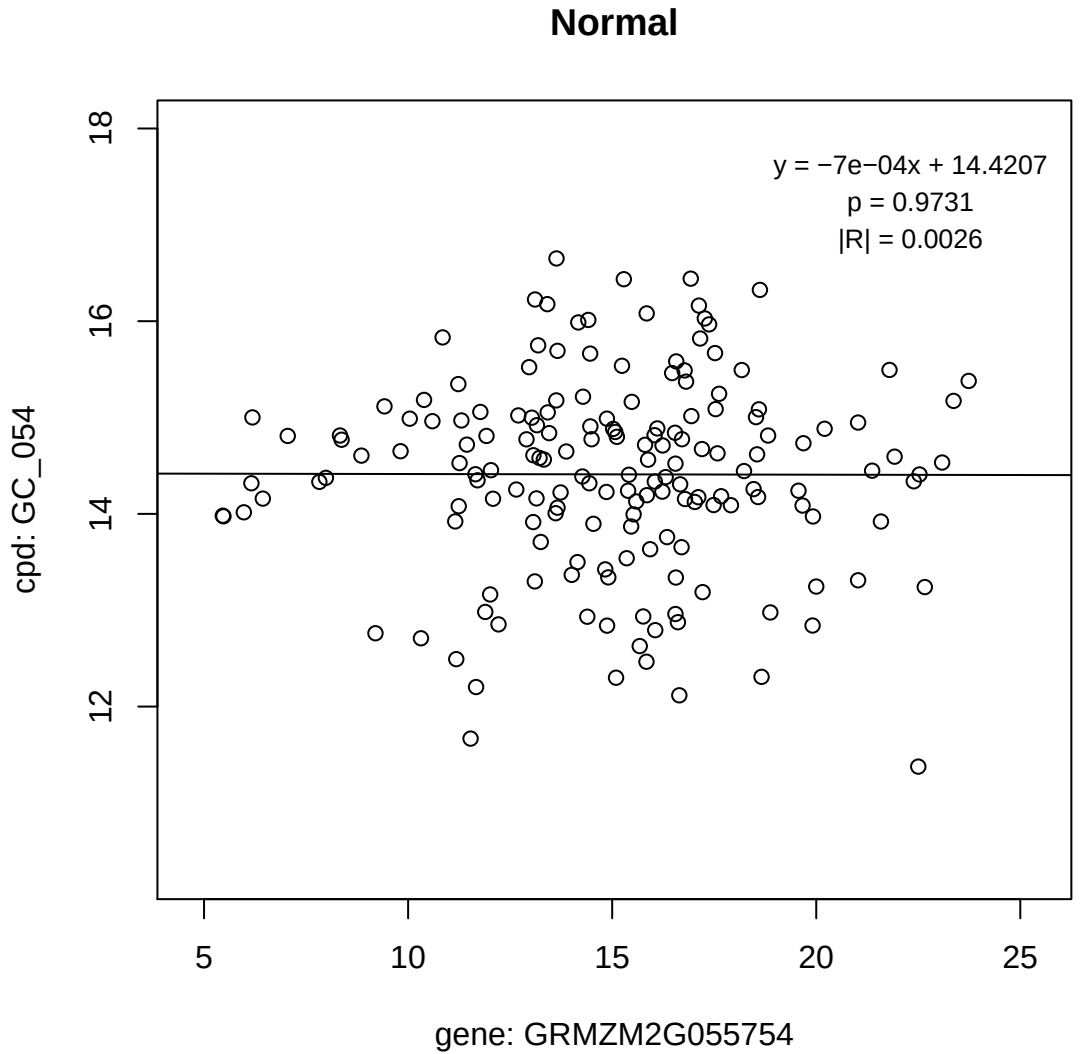

Normal
y = −0.0051x + 20.259
p = 0.205
|R| = 0.0977
cpd: GC_067
gene: GRMZM2G014004
Drought
y = 7e−04x + 17.9558
p = 0.9466
|R| = 0.0052
cpd: GC_067
gene: GRMZM2G014004

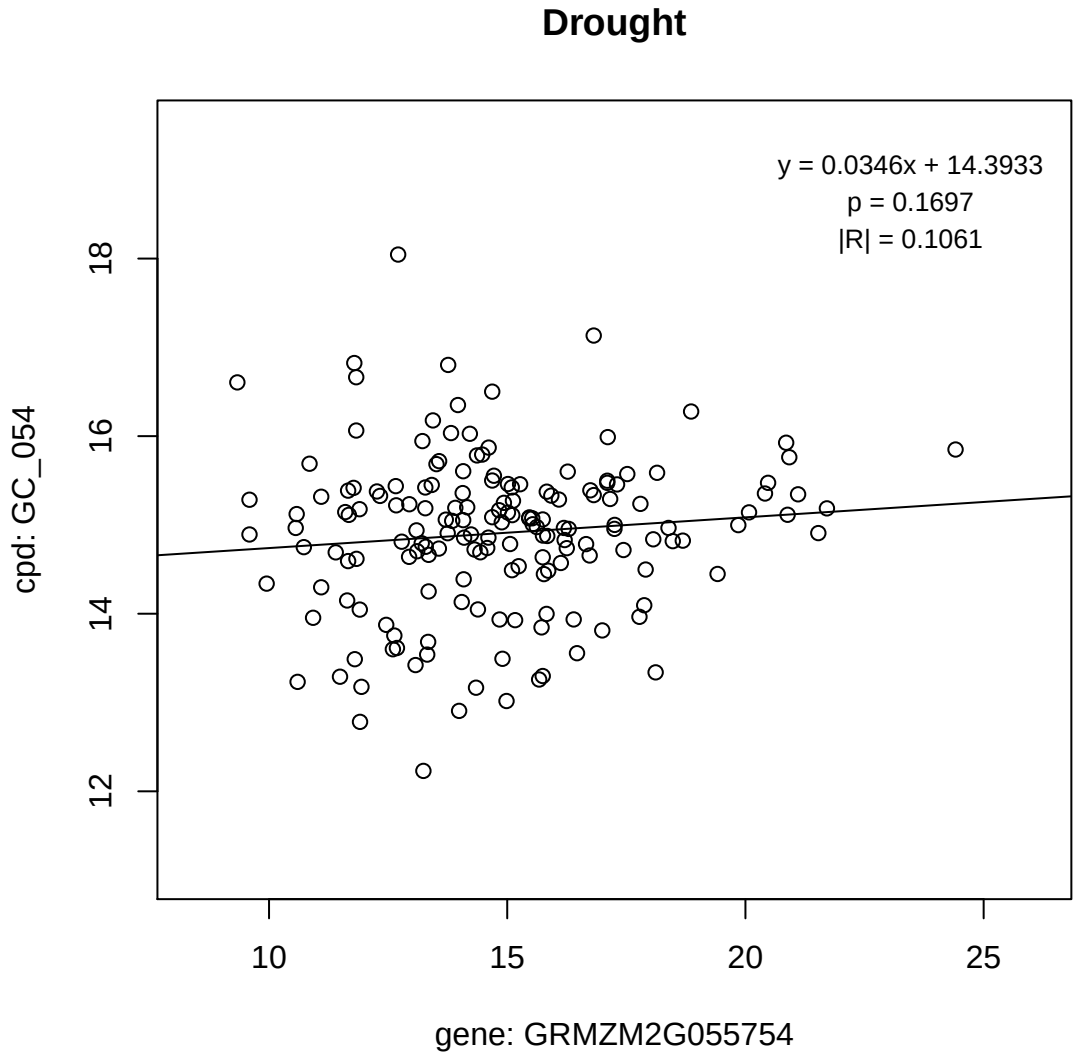

Normal
y = 0.3385x + 20.0664
p = 0.6265
|R| = 0.0376
cpd: GC_067
gene: GRMZM2G013967
Drought
y = 0.07x + 17.9836
p = 0.9689
|R| = 0.003
cpd: GC_067
gene: GRMZM2G013967

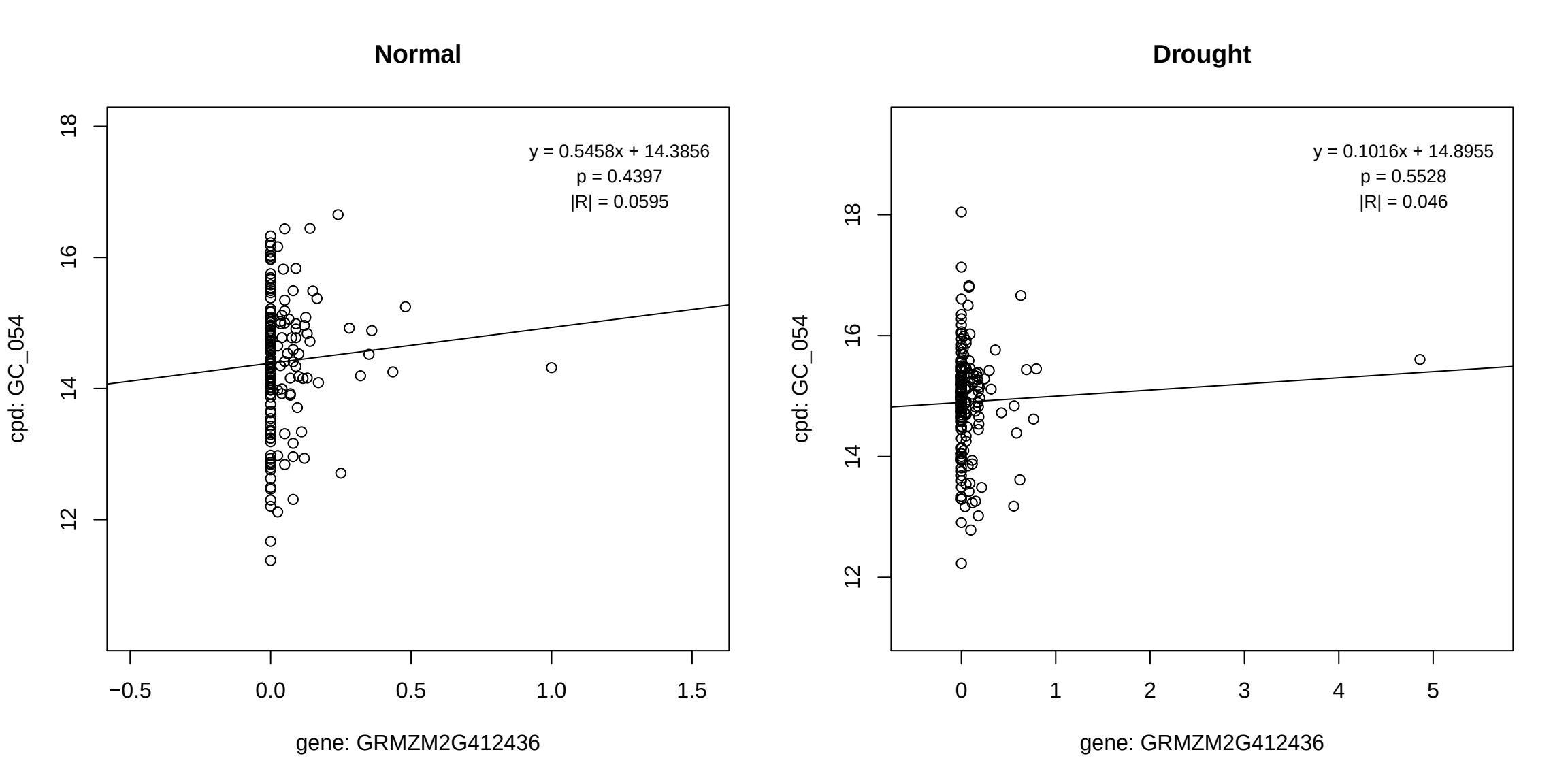

Normal
y = 0.0346x + 20.064
p = 0.6758
|R| = 0.0323
cpd: GC_067
gene: GRMZM2G013949
Drought
y = 0.2517x + 17.9226
p = 0.3564
|R| = 0.071
cpd: GC_067
gene: GRMZM2G013949

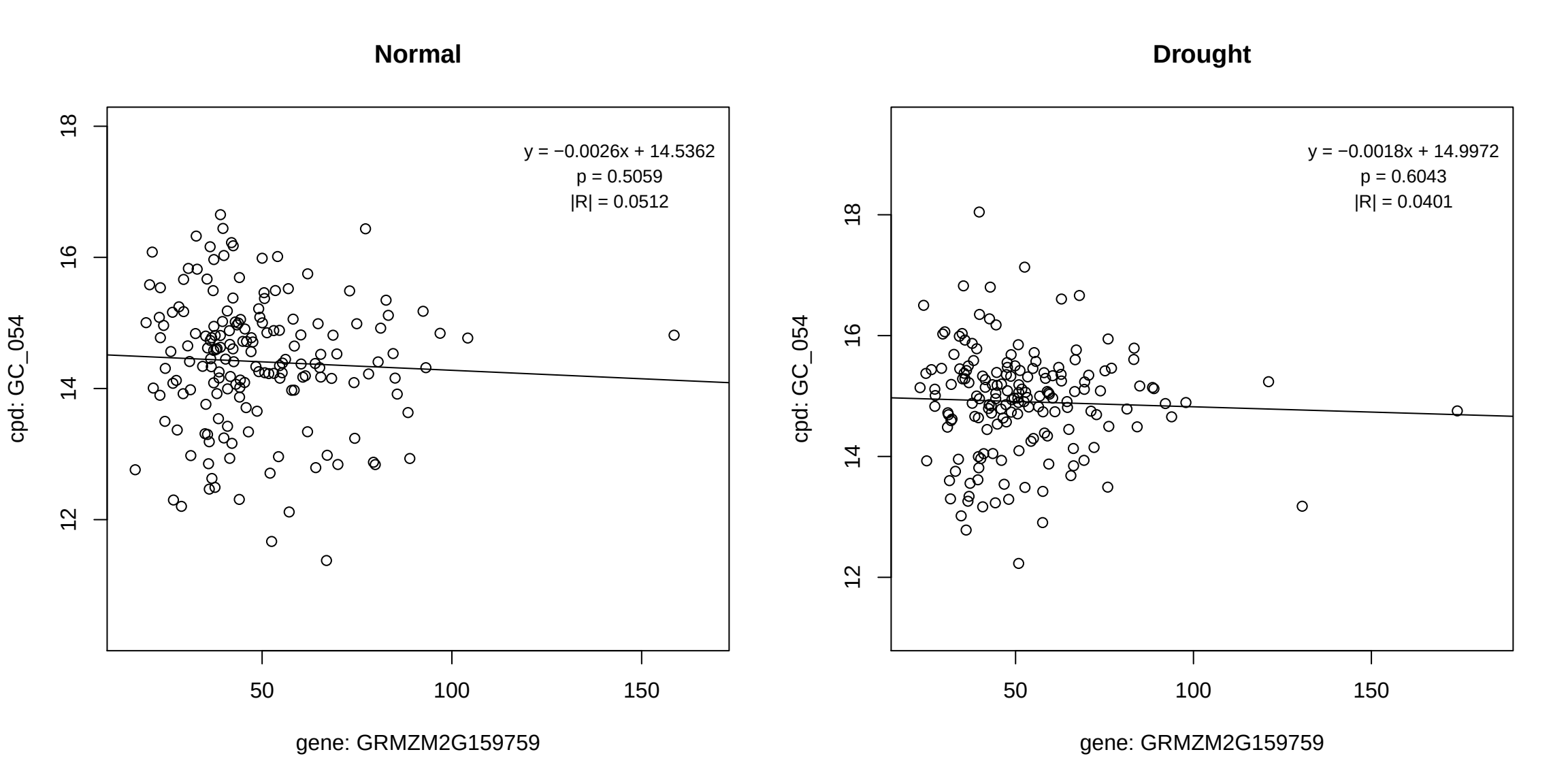

Normal
y = −0.007x + 20.3036
p = 0.0222
|R| = 0.1753
cpd: GC_067
gene: GRMZM2G488465
Drought
y = −0.0057x + 18.1444
p = 0.6436
|R| = 0.0356
cpd: GC_067
gene: GRMZM2G488465

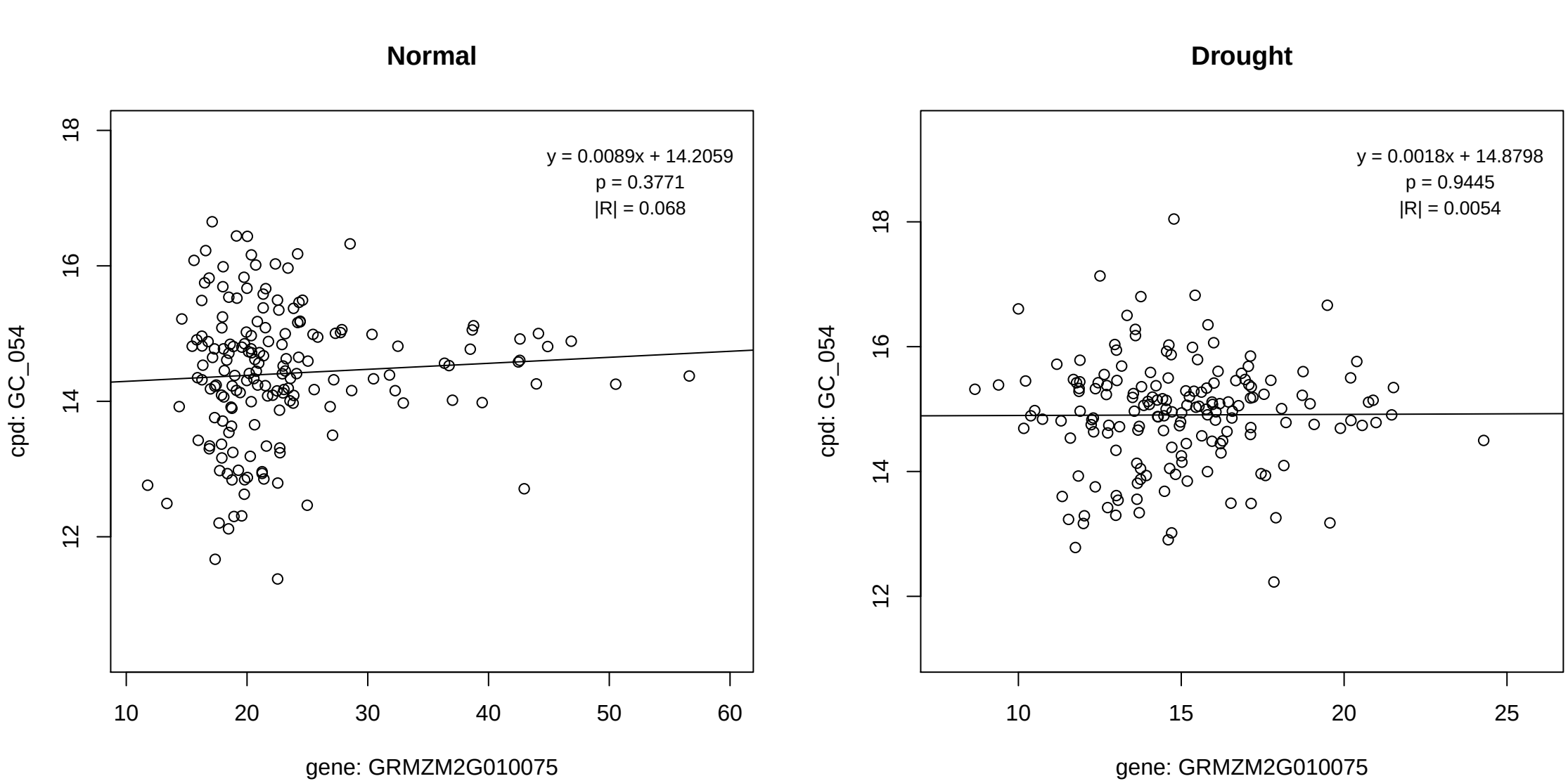

Normal
y = 0.0097x + 14.8854
p = 0.1285
|R| = 0.1167
cpd: GC_069
gene: GRMZM2G014180
Drought
y = 0.0142x + 14.8479
p = 0.0529
|R| = 0.1483
cpd: GC_069
gene: GRMZM2G014180

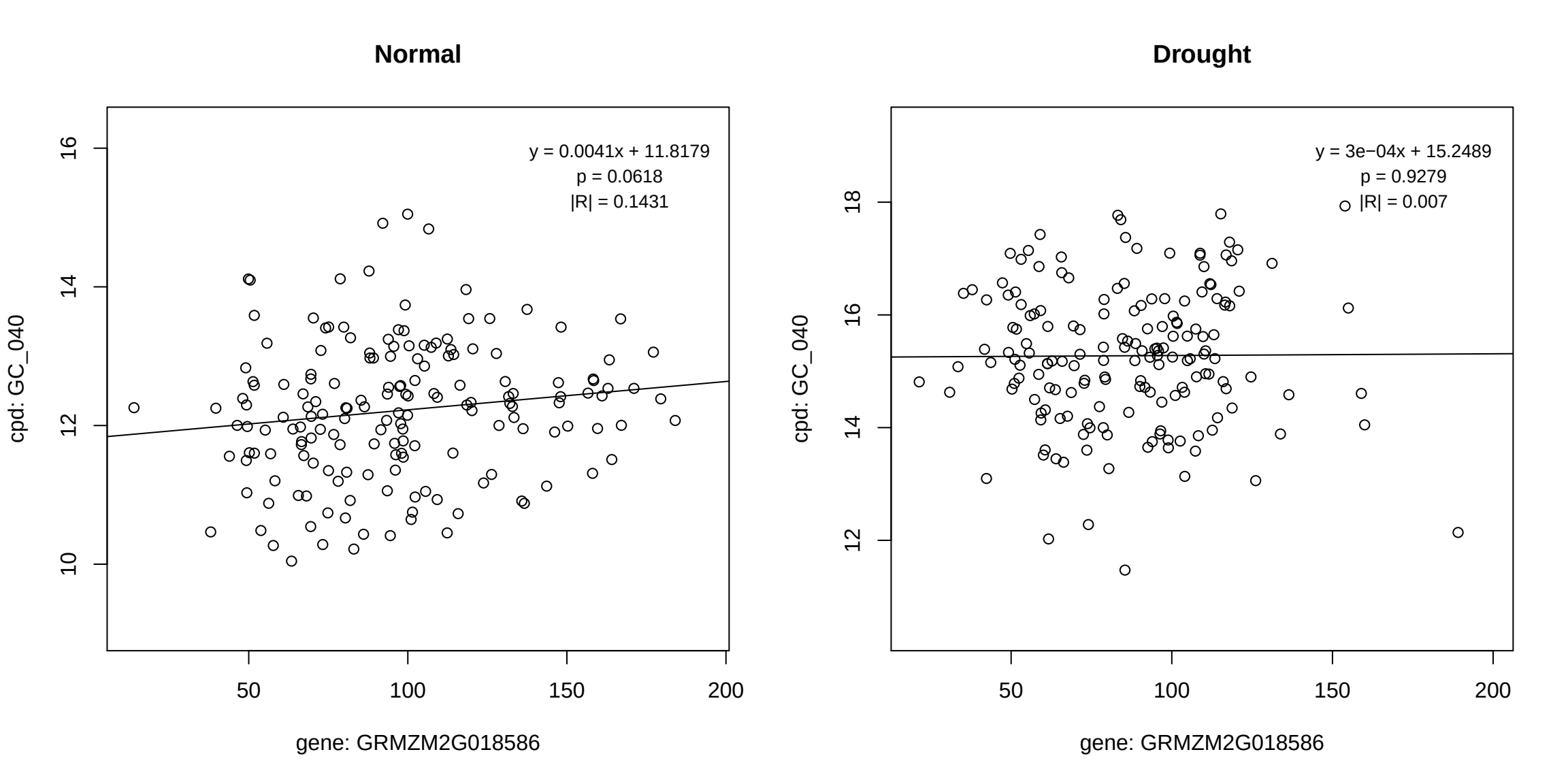

Normal
y = −7e−04x + 14.4207
p = 0.9731
|R| = 0.0026
cpd: GC_054
gene: GRMZM2G055754
12
14
16
18
5
10
15
20
25

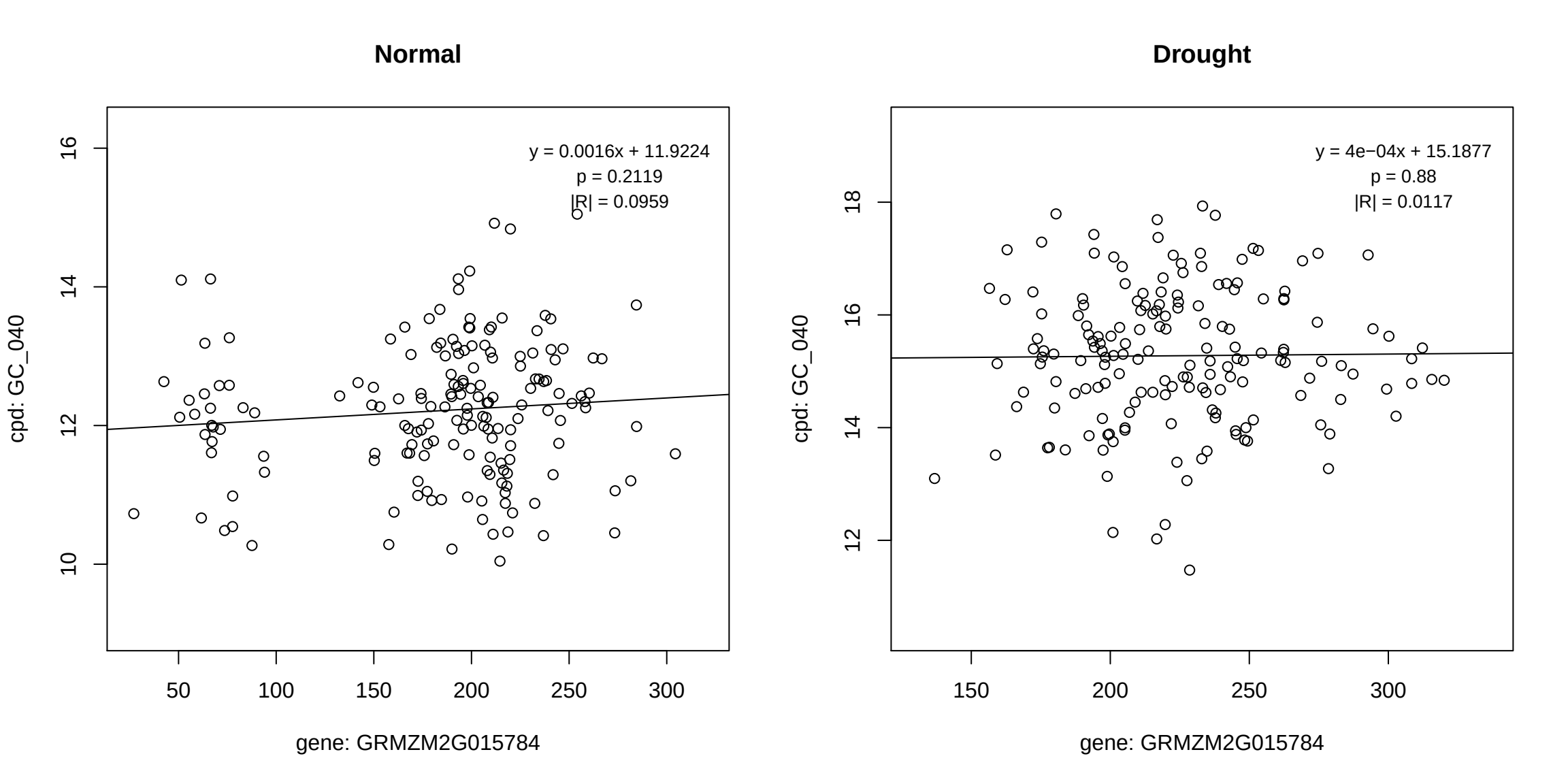

Drought
y = 0.0346x + 14.3933
p = 0.1697
|R| = 0.1061
cpd: GC_054
gene: GRMZM2G055754
12
14
16
18
10
15
20
25

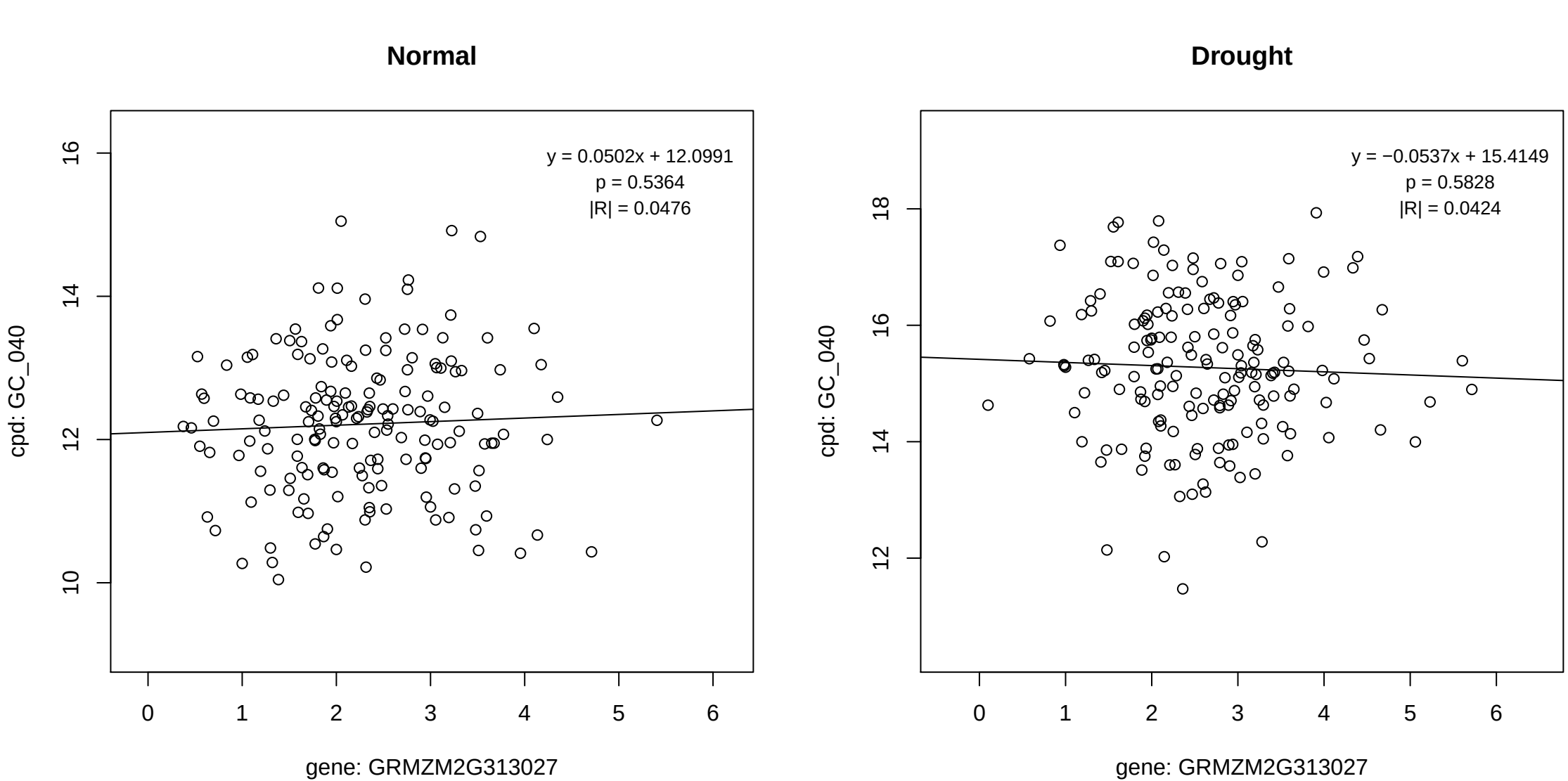

Normal
y = 0.5458x + 14.3856
p = 0.4397
|R| = 0.0595
cpd: GC_054
gene: GRMZM2G412436
Drought
y = 0.1016x + 14.8955
p = 0.5528
|R| = 0.046
cpd: GC_054
gene: GRMZM2G412436

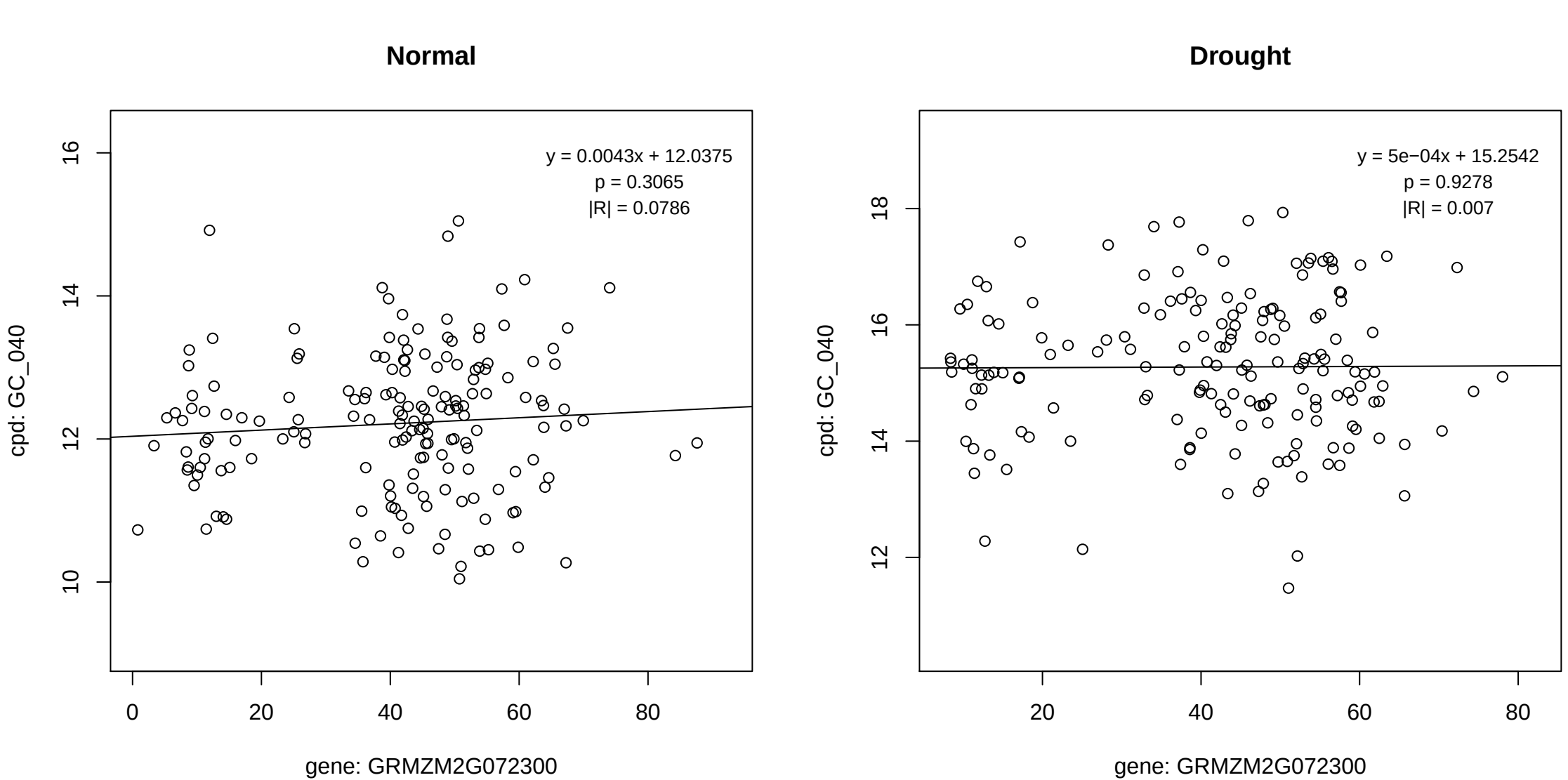

Normal
y = −0.0026x + 14.5362
p = 0.5059
|R| = 0.0512
cpd: GC_054
gene: GRMZM2G159759
Drought
y = −0.0018x + 14.9972
p = 0.6043
|R| = 0.0401
cpd: GC_054
gene: GRMZM2G159759

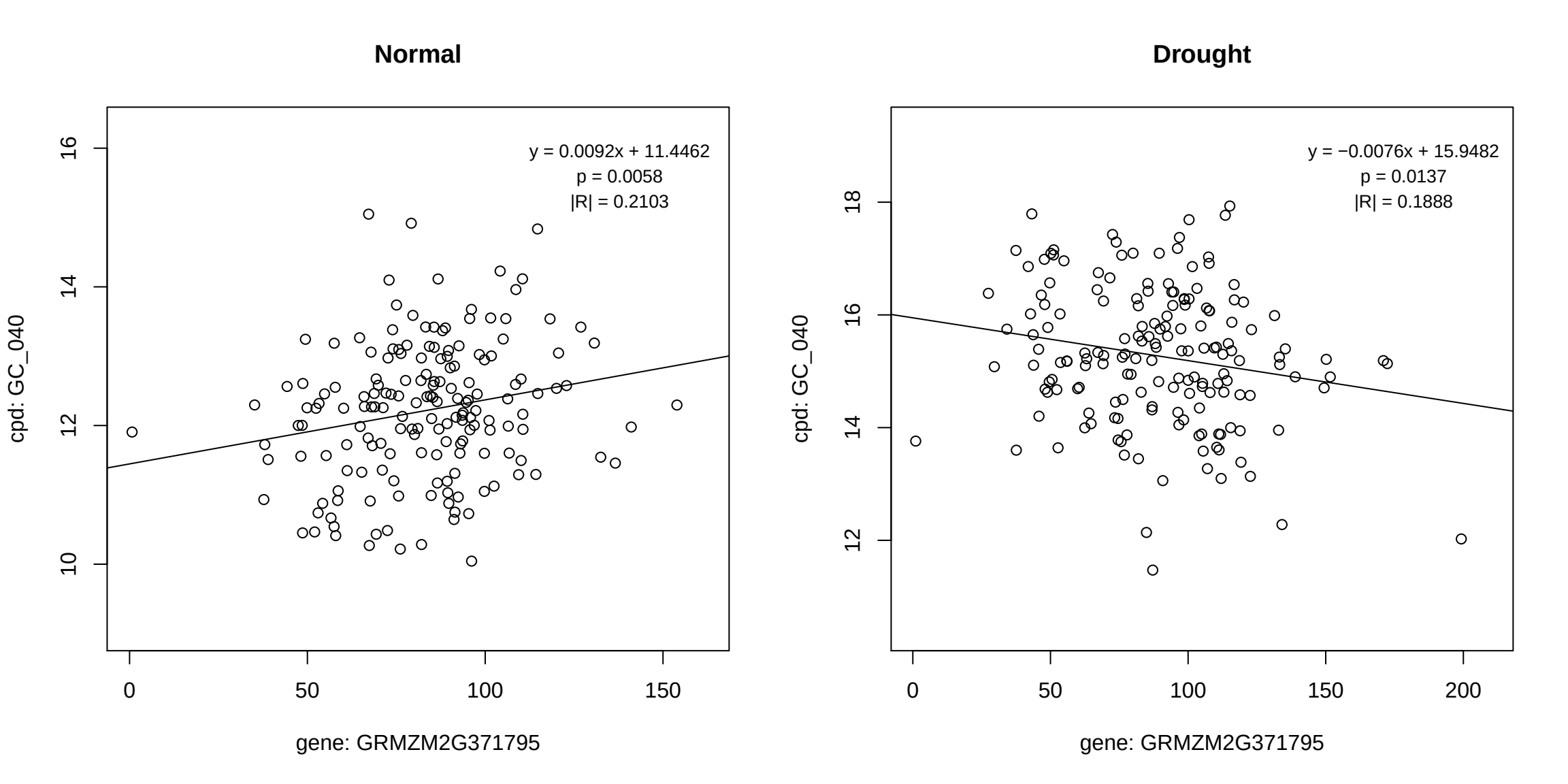

Normal
y = 0.0089x + 14.2059
p = 0.3771
|R| = 0.068
cpd: GC_054
gene: GRMZM2G010075
Drought
y = 0.0018x + 14.8798
p = 0.9445
|R| = 0.0054
cpd: GC_054
gene: GRMZM2G010075

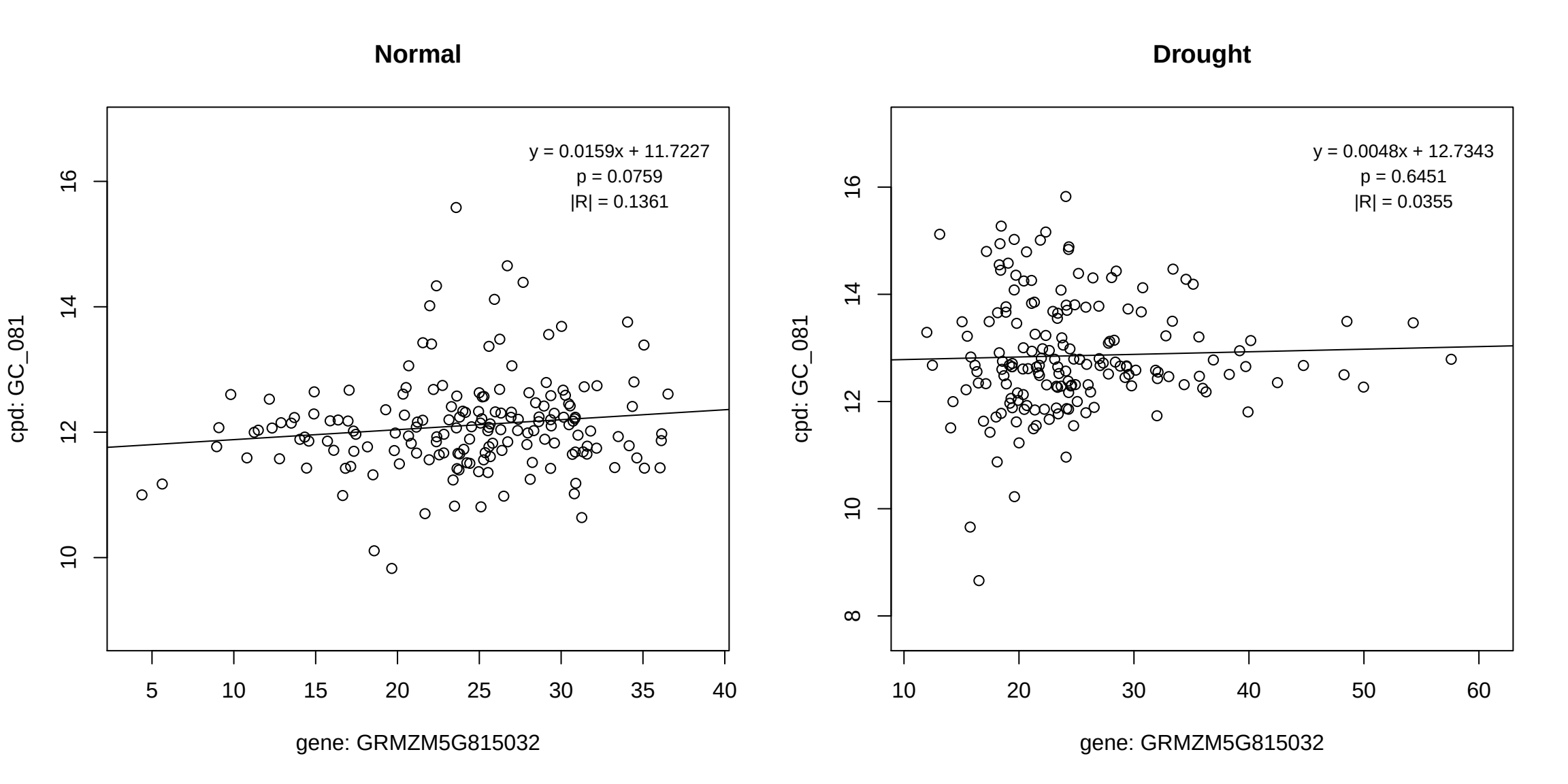

Normal
y = 0.0041x + 11.8179
p = 0.0618
|R| = 0.1431
cpd: GC_040
gene: GRMZM2G018586
Drought
y = 3e−04x + 15.2489
p = 0.9279
|R| = 0.007
cpd: GC_040
gene: GRMZM2G018586

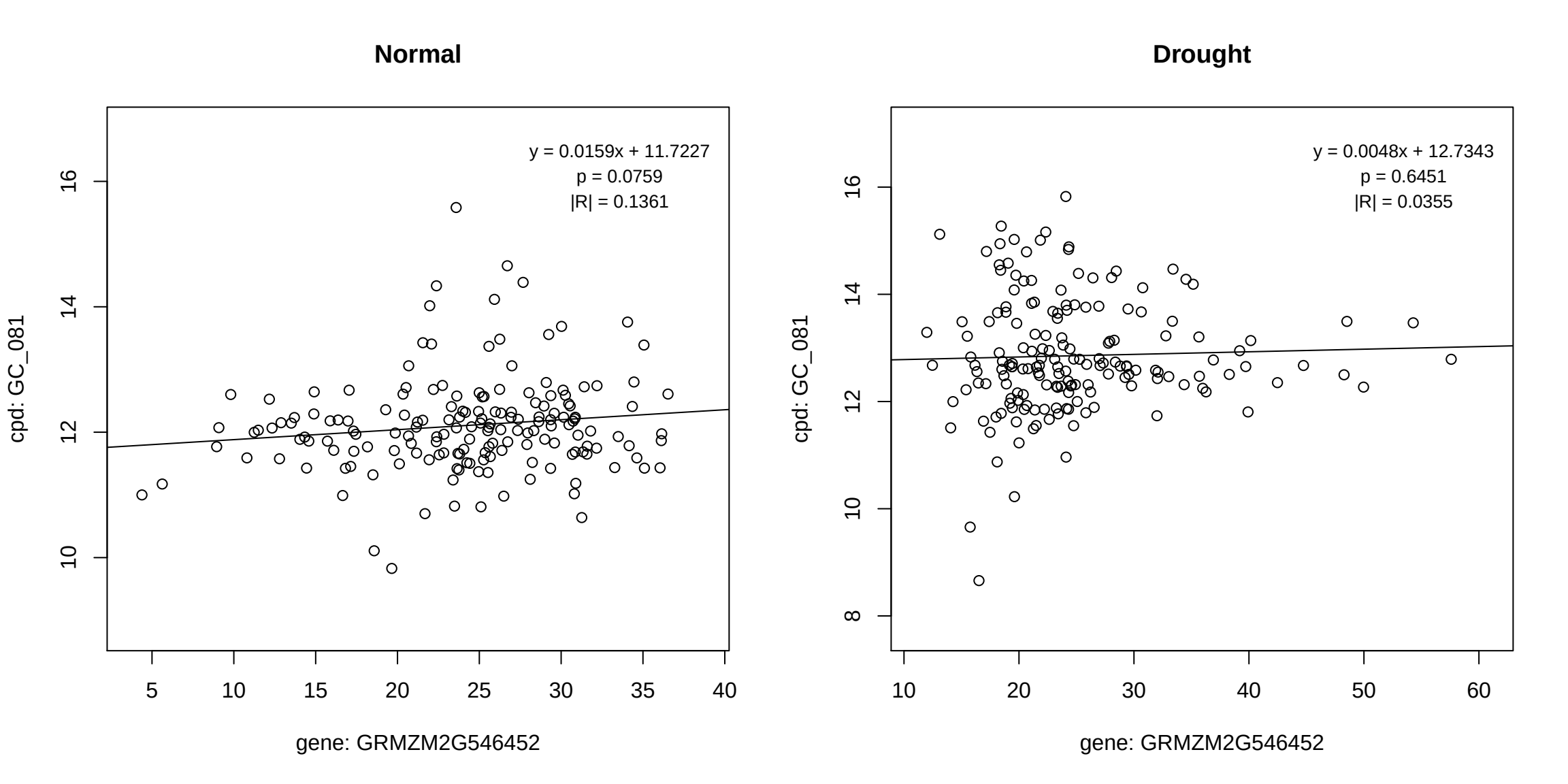

Normal
y = 0.0016x + 11.9224
p = 0.2119
|R| = 0.0959
cpd: GC_040
gene: GRMZM2G015784
Drought
y = 4e−04x + 15.1877
p = 0.88
|R| = 0.0117
cpd: GC_040
gene: GRMZM2G015784

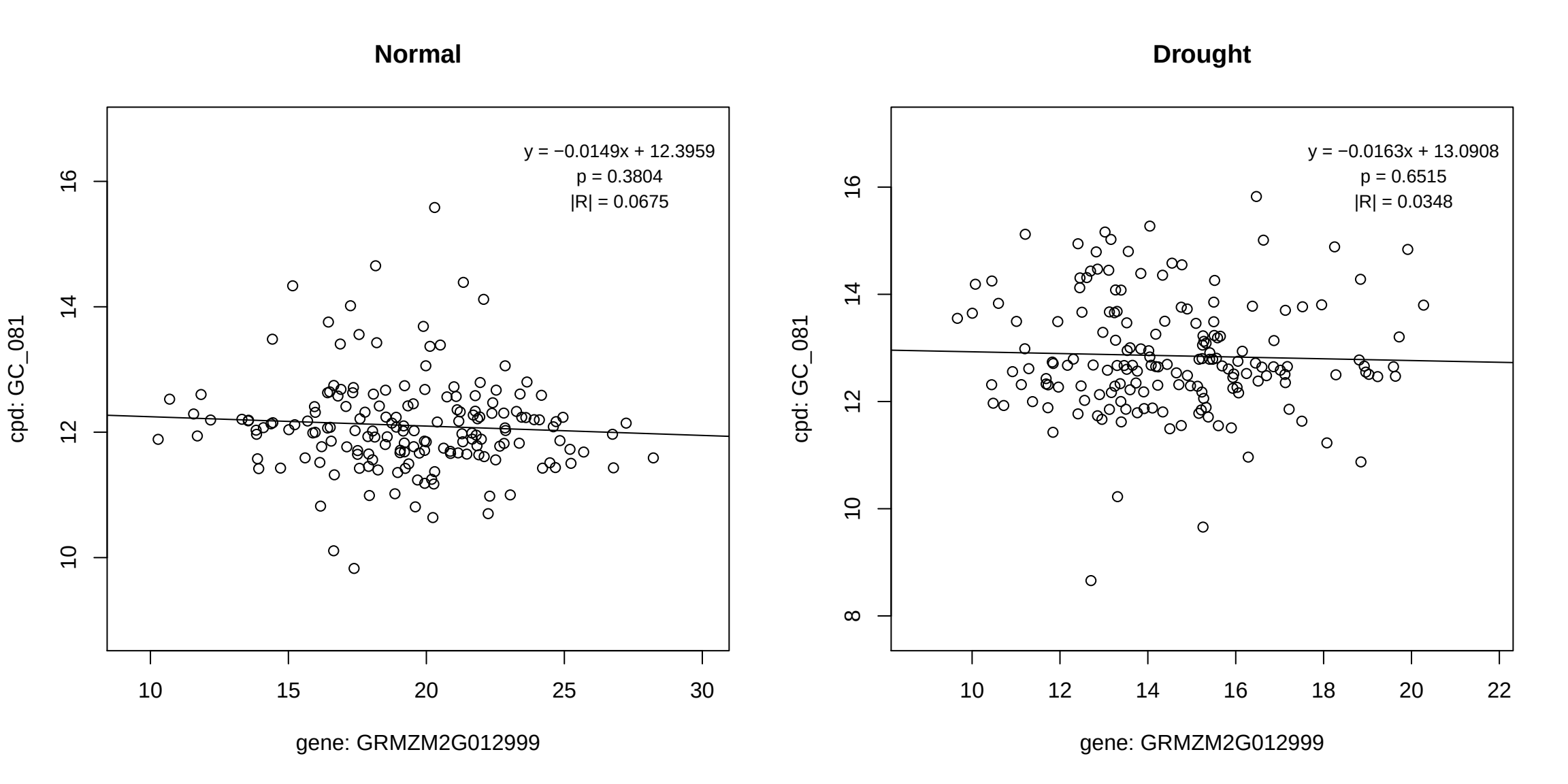

Normal
y = 0.0502x + 12.0991
p = 0.5364
|R| = 0.0476
cpd: GC_040
gene: GRMZM2G313027
Drought
y = −0.0537x + 15.4149
p = 0.5828
|R| = 0.0424
cpd: GC_040
gene: GRMZM2G313027

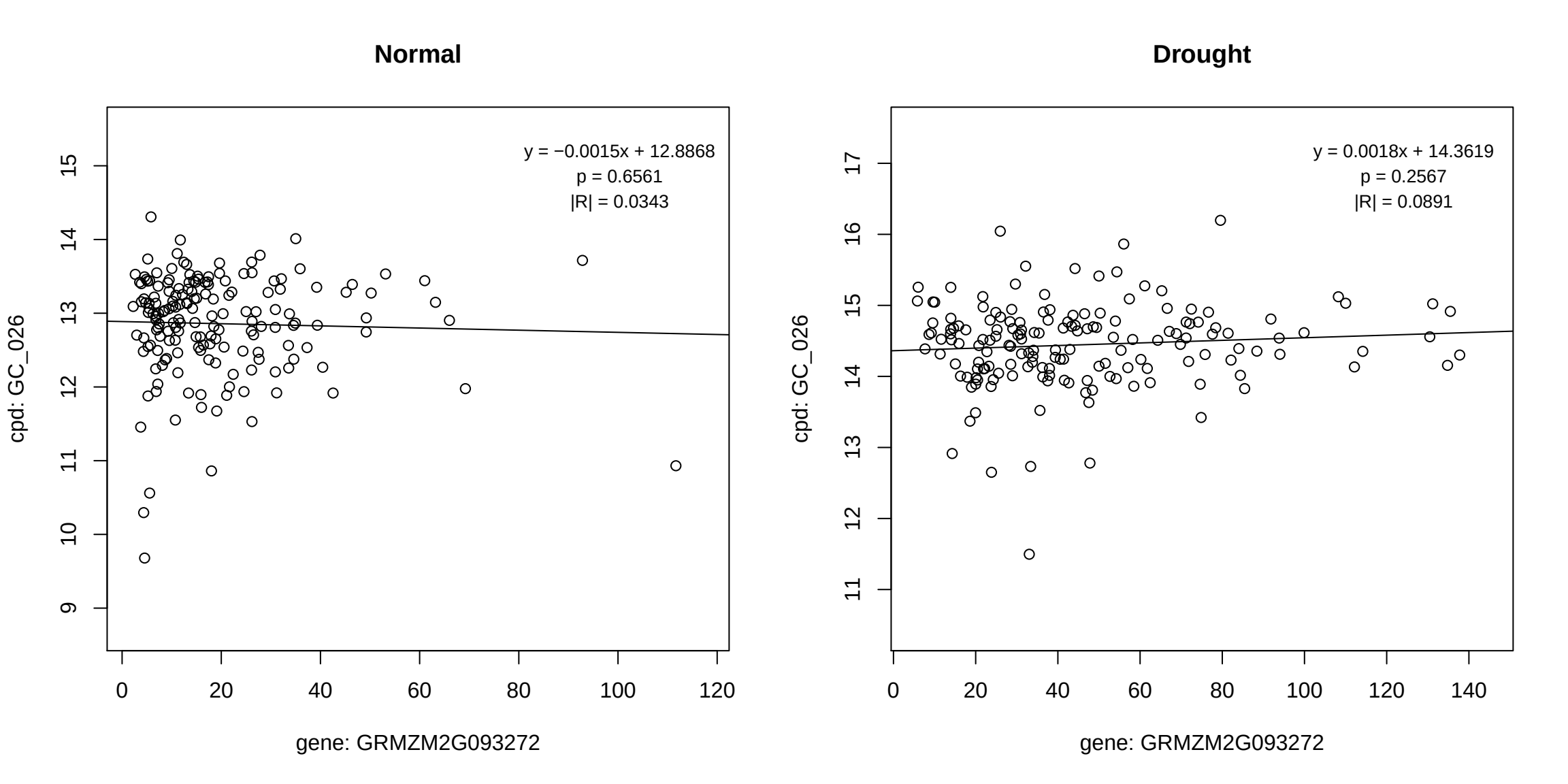

Normal
y = 0.0043x + 12.0375
p = 0.3065
|R| = 0.0786
cpd: GC_040
gene: GRMZM2G072300
Drought
y = 5e−04x + 15.2542
p = 0.9278
|R| = 0.007
cpd: GC_040
gene: GRMZM2G072300

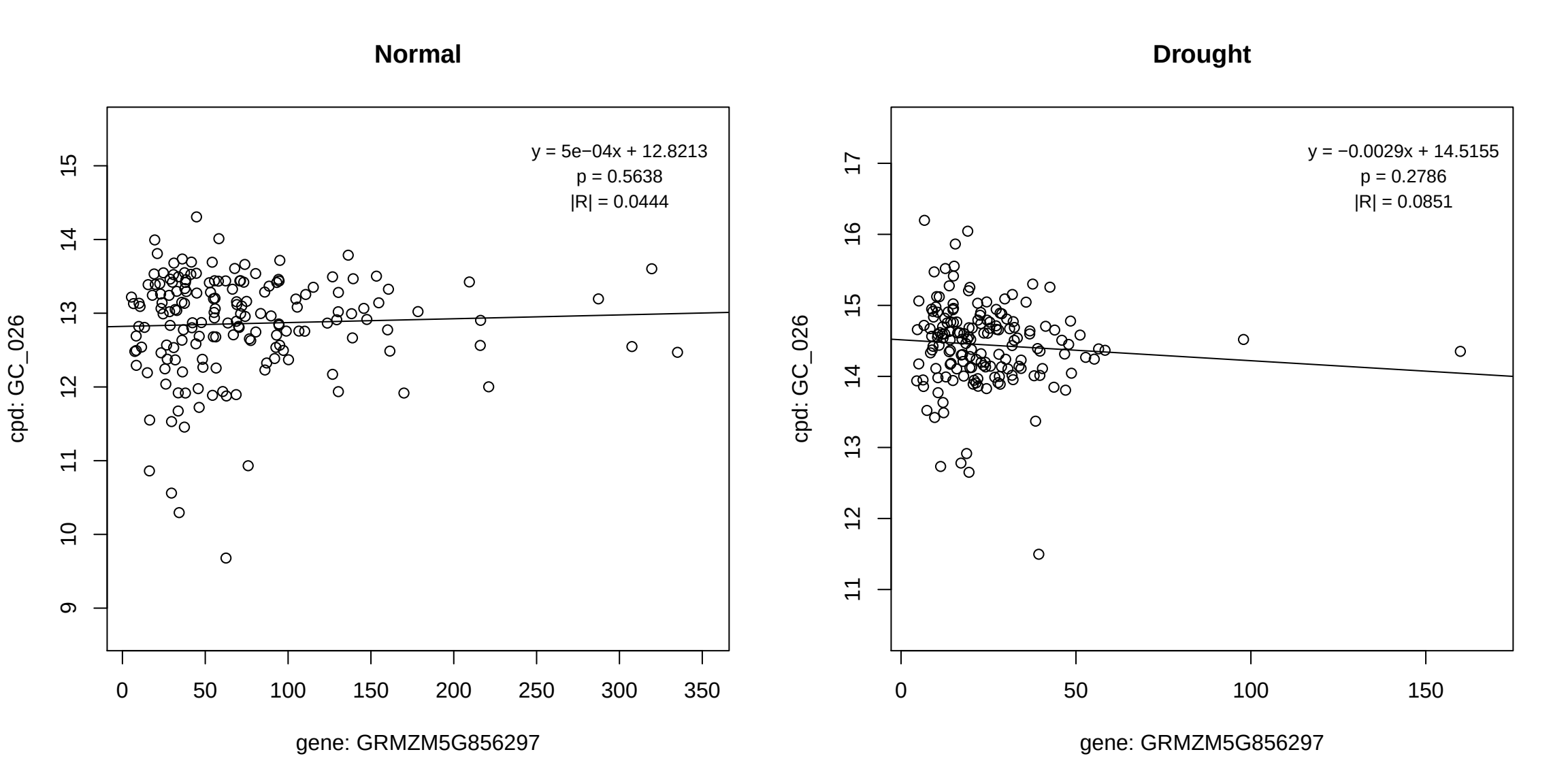

Normal
y = 0.0092x + 11.4462
p = 0.0058
|R| = 0.2103
cpd: GC_040
gene: GRMZM2G371795
Drought
y = −0.0076x + 15.9482
p = 0.0137
|R| = 0.1888
cpd: GC_040
gene: GRMZM2G371795

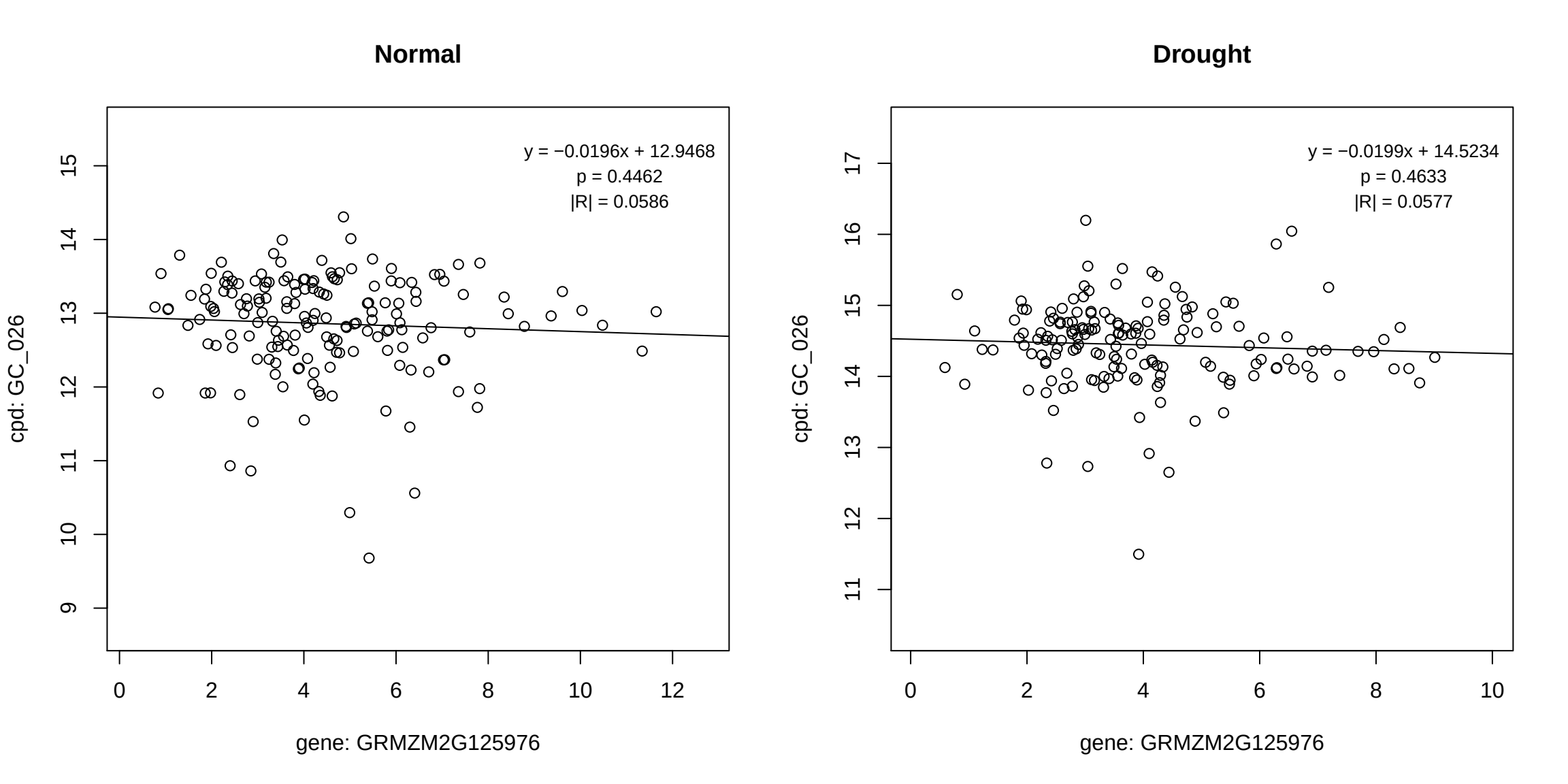

Normal
y = 0.0159x + 11.7227
p = 0.0759
|R| = 0.1361
cpd: GC_081
gene: GRMZM5G815032
Drought
y = 0.0048x + 12.7343
p = 0.6451
|R| = 0.0355
cpd: GC_081
gene: GRMZM5G815032

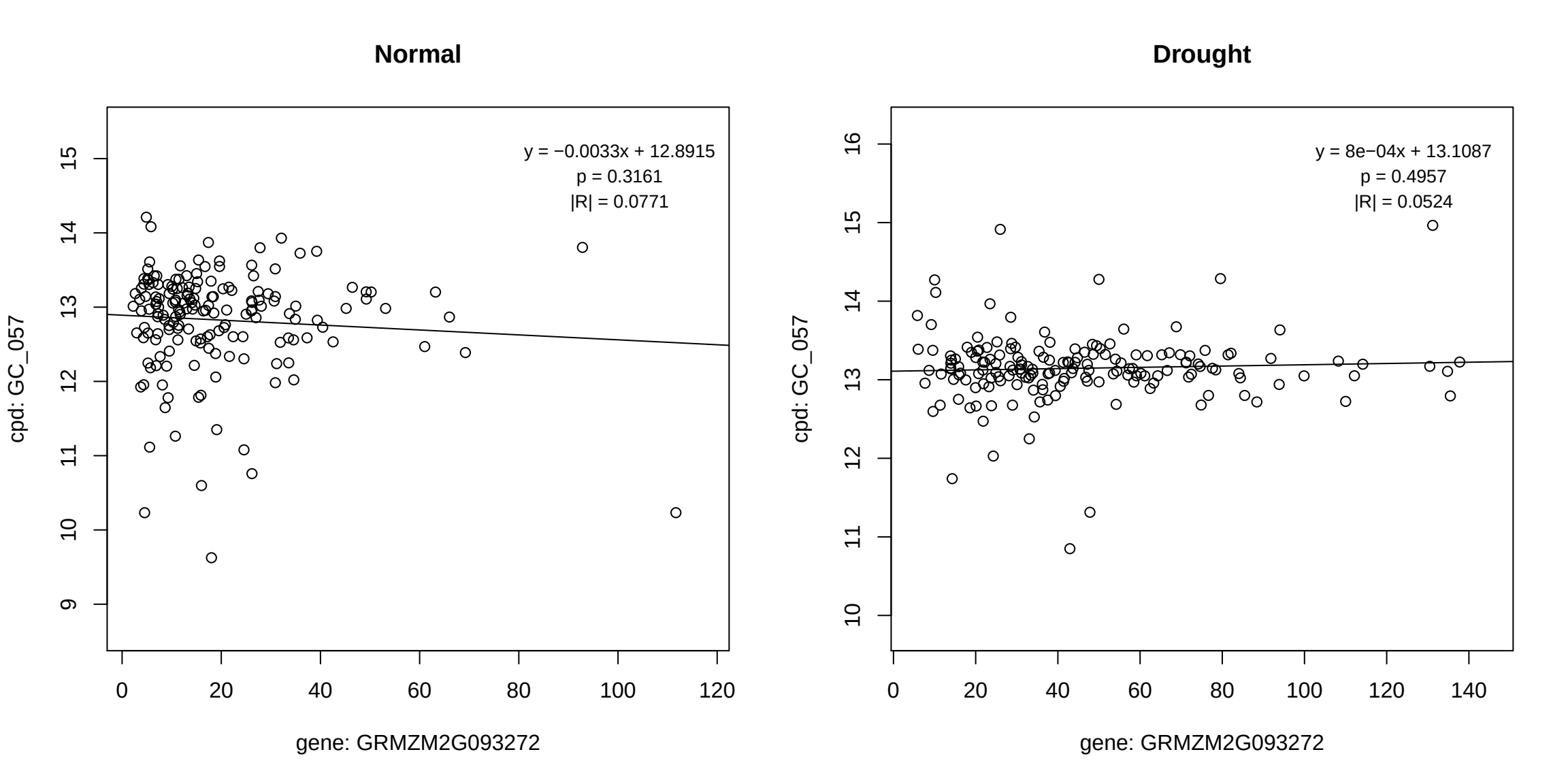

Normal
y = 0.0159x + 11.7227
p = 0.0759
|R| = 0.1361
cpd: GC_081
gene: GRMZM2G546452
Drought
y = 0.0048x + 12.7343
p = 0.6451
|R| = 0.0355
cpd: GC_081
gene: GRMZM2G546452

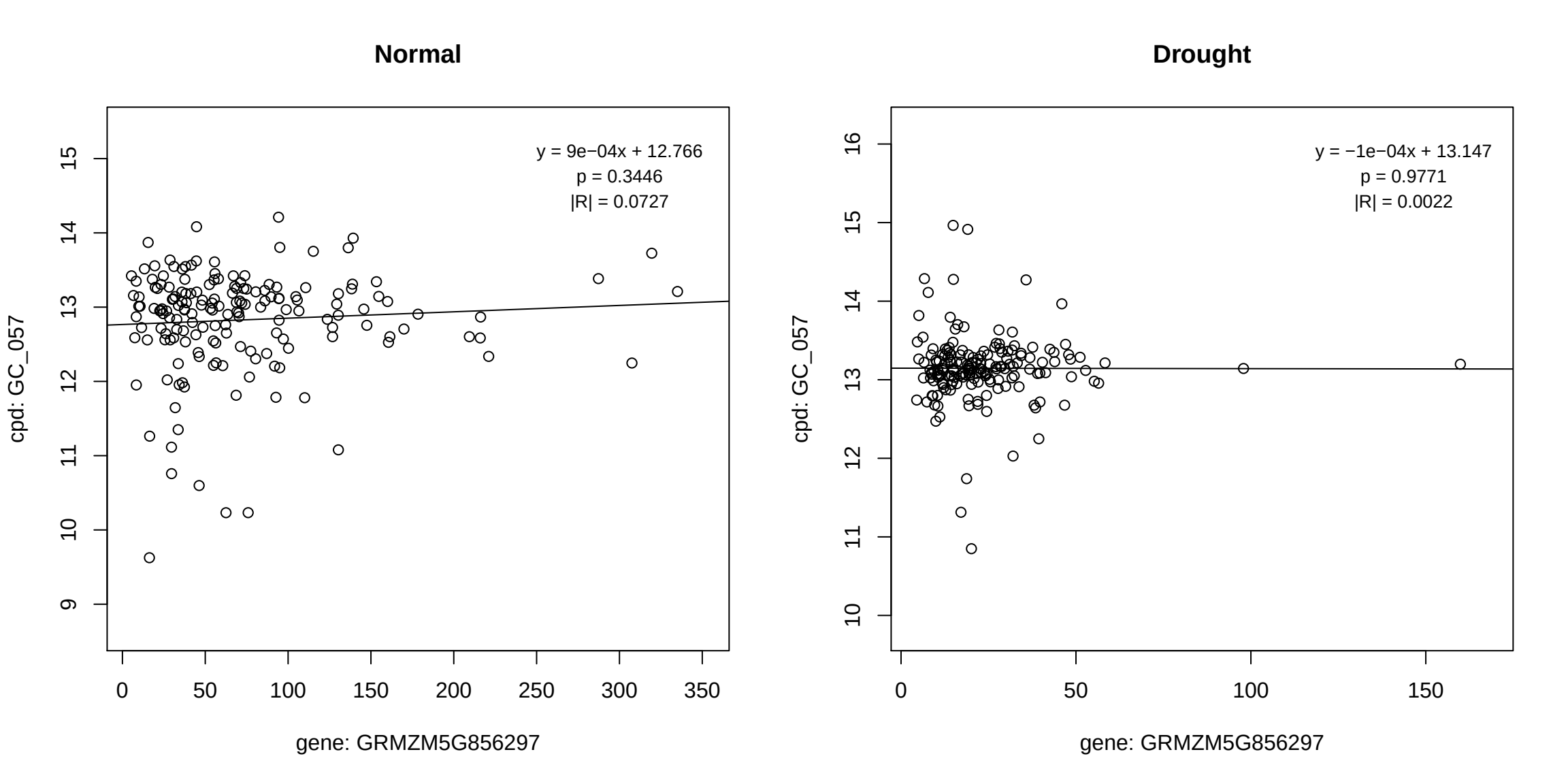

Normal
y = −0.0149x + 12.3959
p = 0.3804
|R| = 0.0675
cpd: GC_081
gene: GRMZM2G012999
Drought
y = −0.0163x + 13.0908
p = 0.6515
|R| = 0.0348
cpd: GC_081
gene: GRMZM2G012999

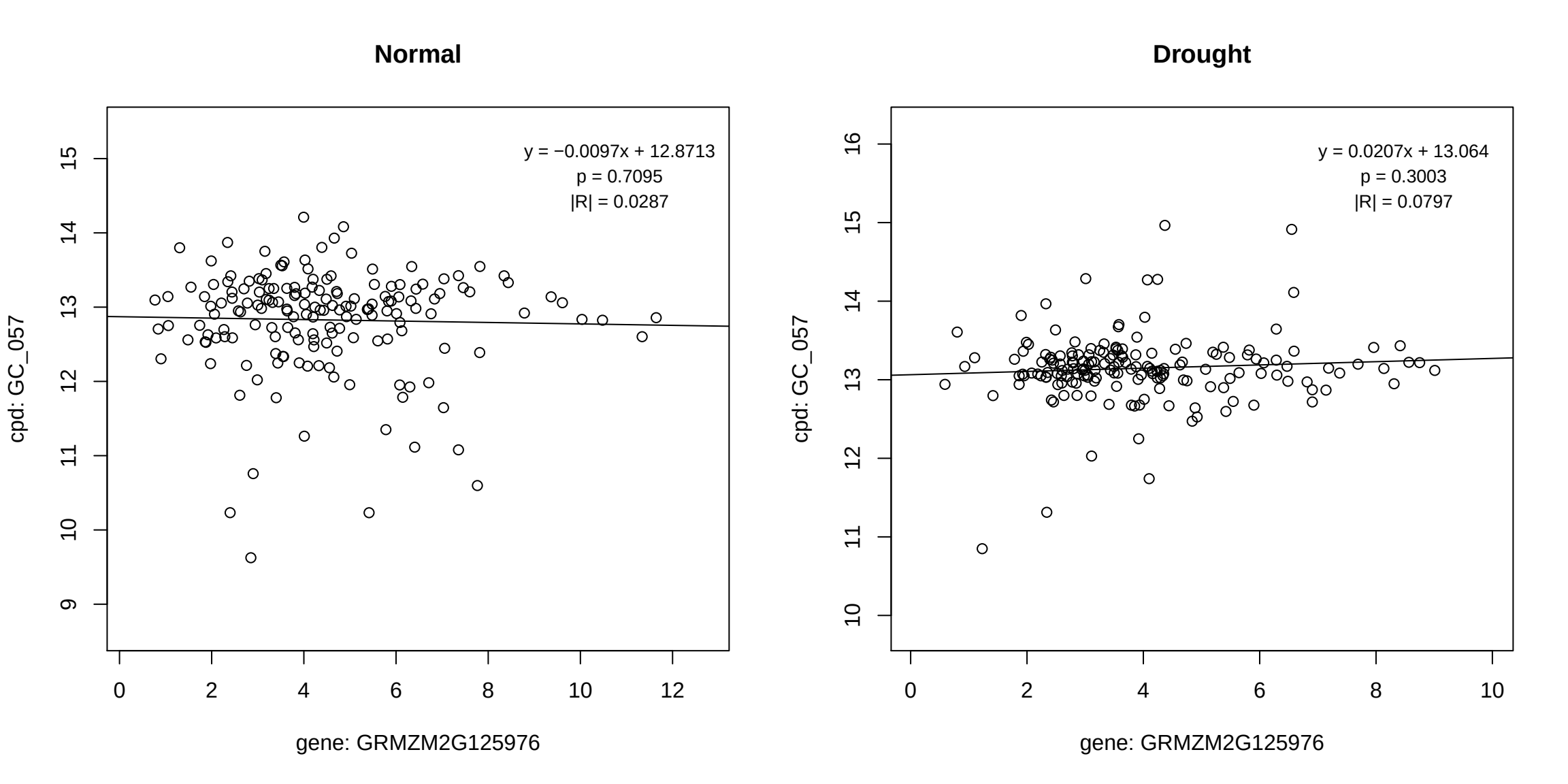

Normal
y = −0.0015x + 12.8868
p = 0.6561
|R| = 0.0343
cpd: GC_026
gene: GRMZM2G093272
Drought
y = 0.0018x + 14.3619
p = 0.2567
|R| = 0.0891
cpd: GC_026
gene: GRMZM2G093272

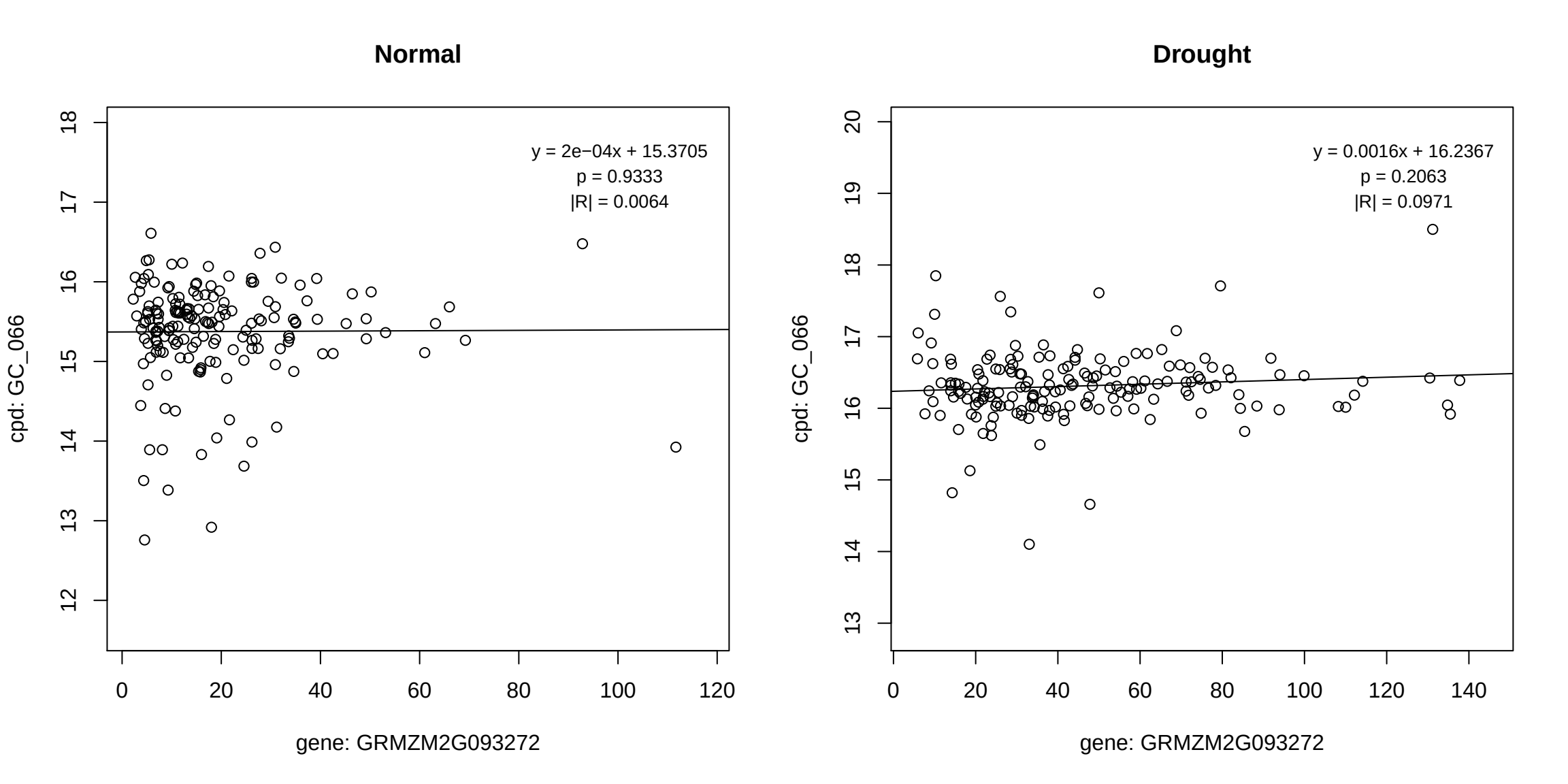

Normal
y = 5e−04x + 12.8213
p = 0.5638
|R| = 0.0444
cpd: GC_026
gene: GRMZM5G856297
Drought
y = −0.0029x + 14.5155
p = 0.2786
|R| = 0.0851
cpd: GC_026
gene: GRMZM5G856297

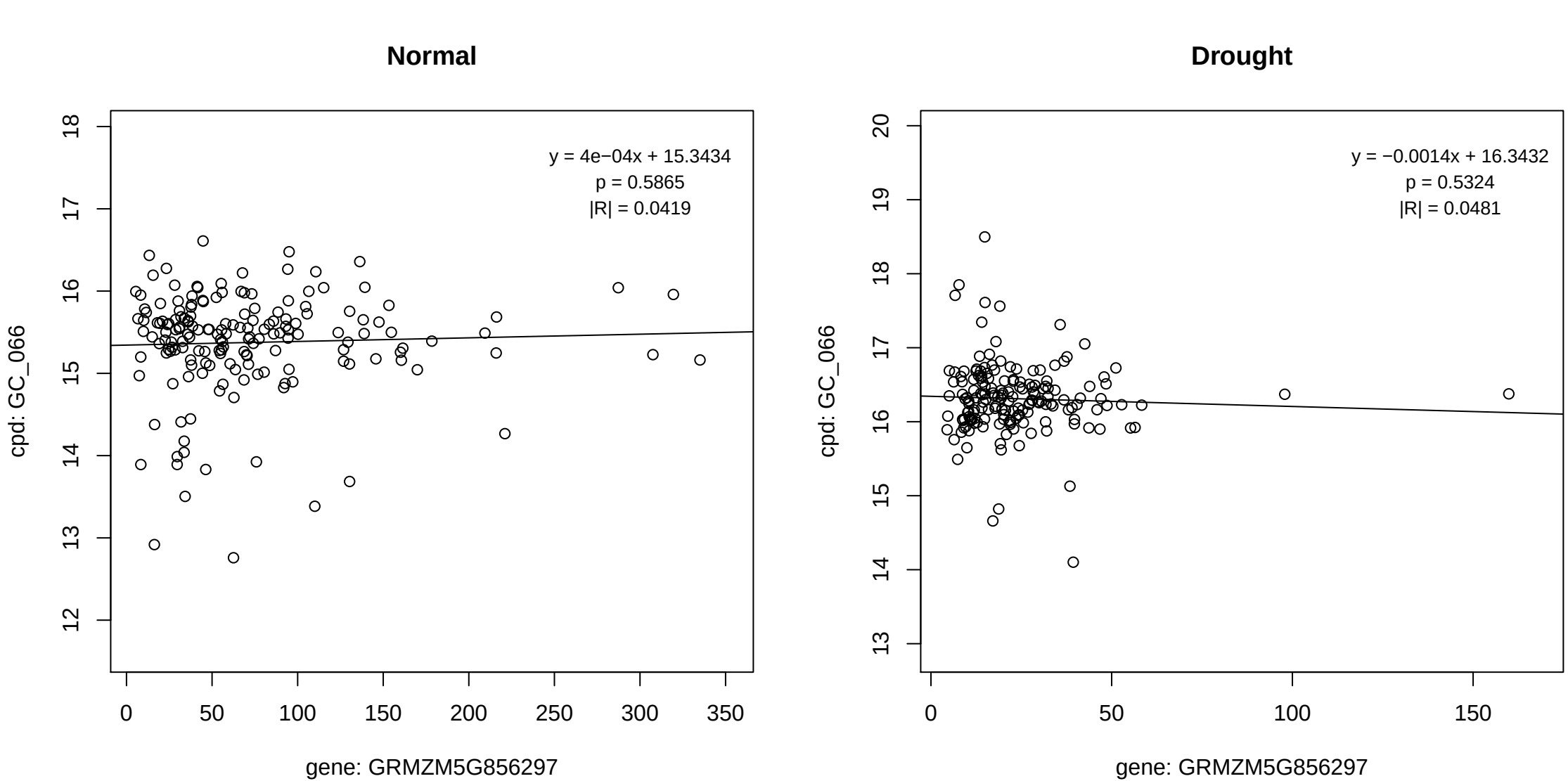

Normal
y = −0.0196x + 12.9468
p = 0.4462
|R| = 0.0586
cpd: GC_026
gene: GRMZM2G125976
Drought
y = −0.0199x + 14.5234
p = 0.4633
|R| = 0.0577
cpd: GC_026
gene: GRMZM2G125976

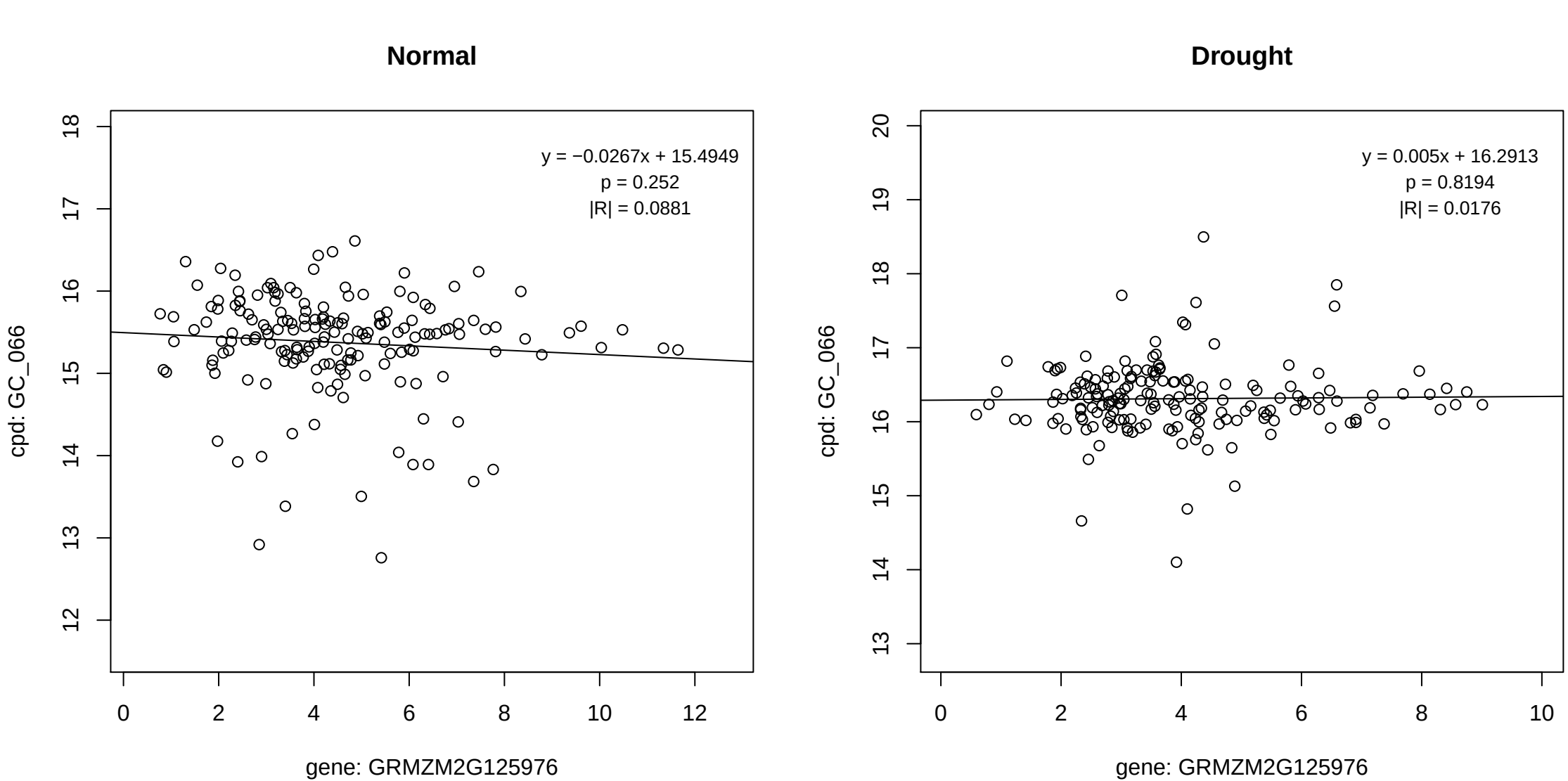

Normal
y = −0.0033x + 12.8915
p = 0.3161
|R| = 0.0771
cpd: GC_057
gene: GRMZM2G093272
Drought
y = 8e−04x + 13.1087
p = 0.4957
|R| = 0.0524
cpd: GC_057
gene: GRMZM2G093272

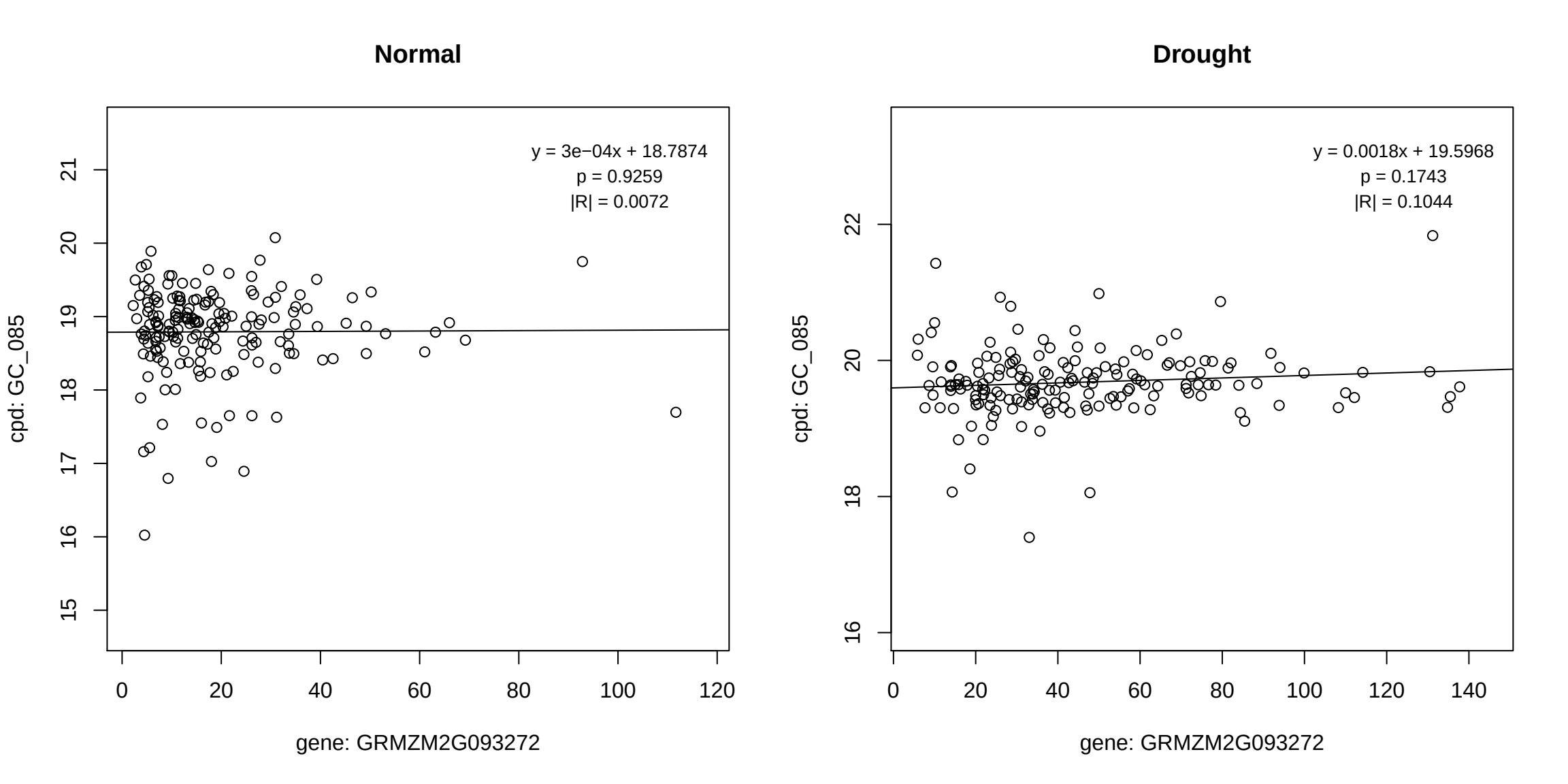

Normal
y = 9e−04x + 12.766
p = 0.3446
|R| = 0.0727
cpd: GC_057
gene: GRMZM5G856297
Drought
y = −1e−04x + 13.147
p = 0.9771
|R| = 0.0022
cpd: GC_057
gene: GRMZM5G856297

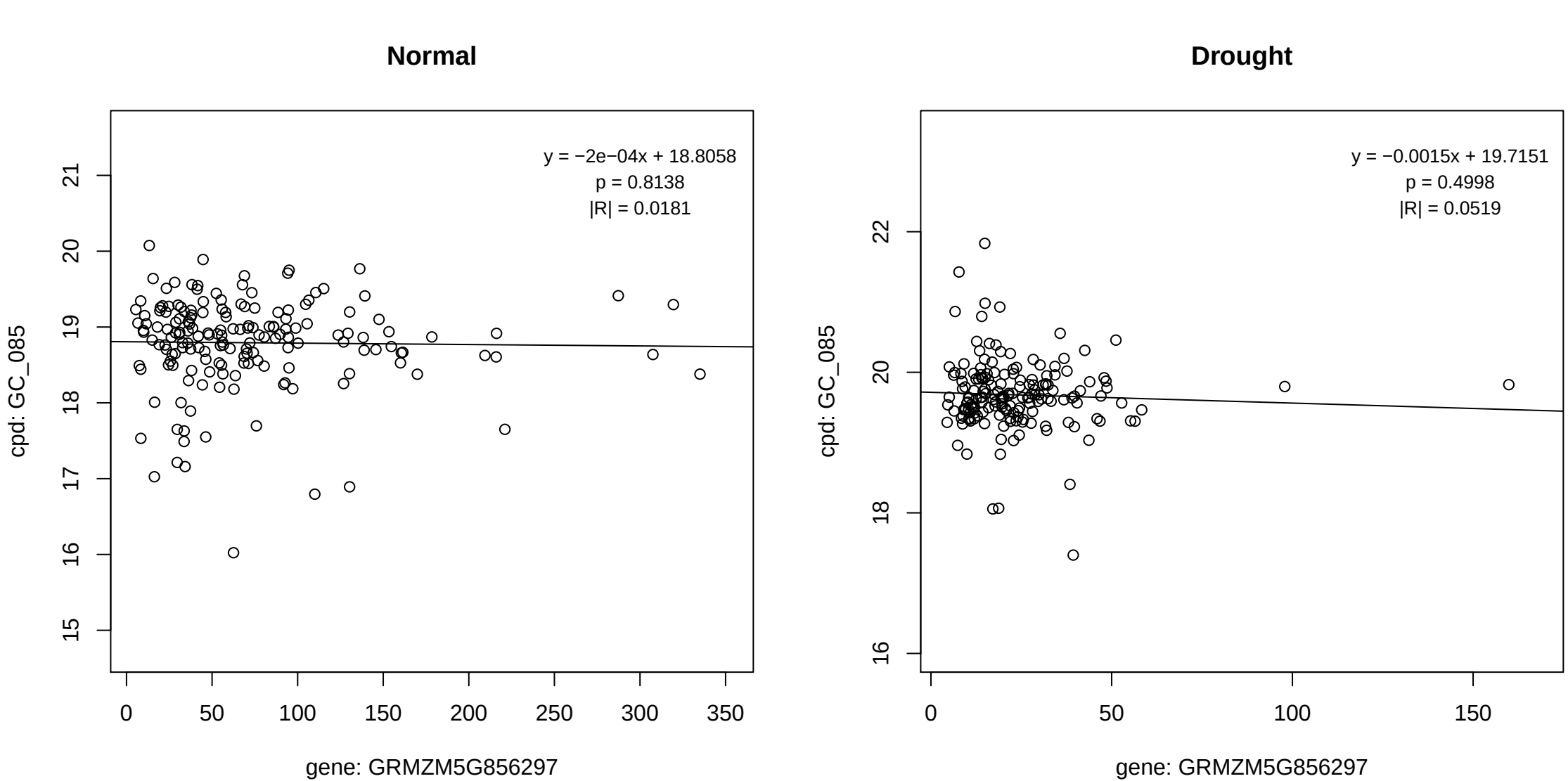

Normal
y = −0.0097x + 12.8713
p = 0.7095
|R| = 0.0287
cpd: GC_057
gene: GRMZM2G125976
Drought
y = 0.0207x + 13.064
p = 0.3003
|R| = 0.0797
cpd: GC_057
gene: GRMZM2G125976

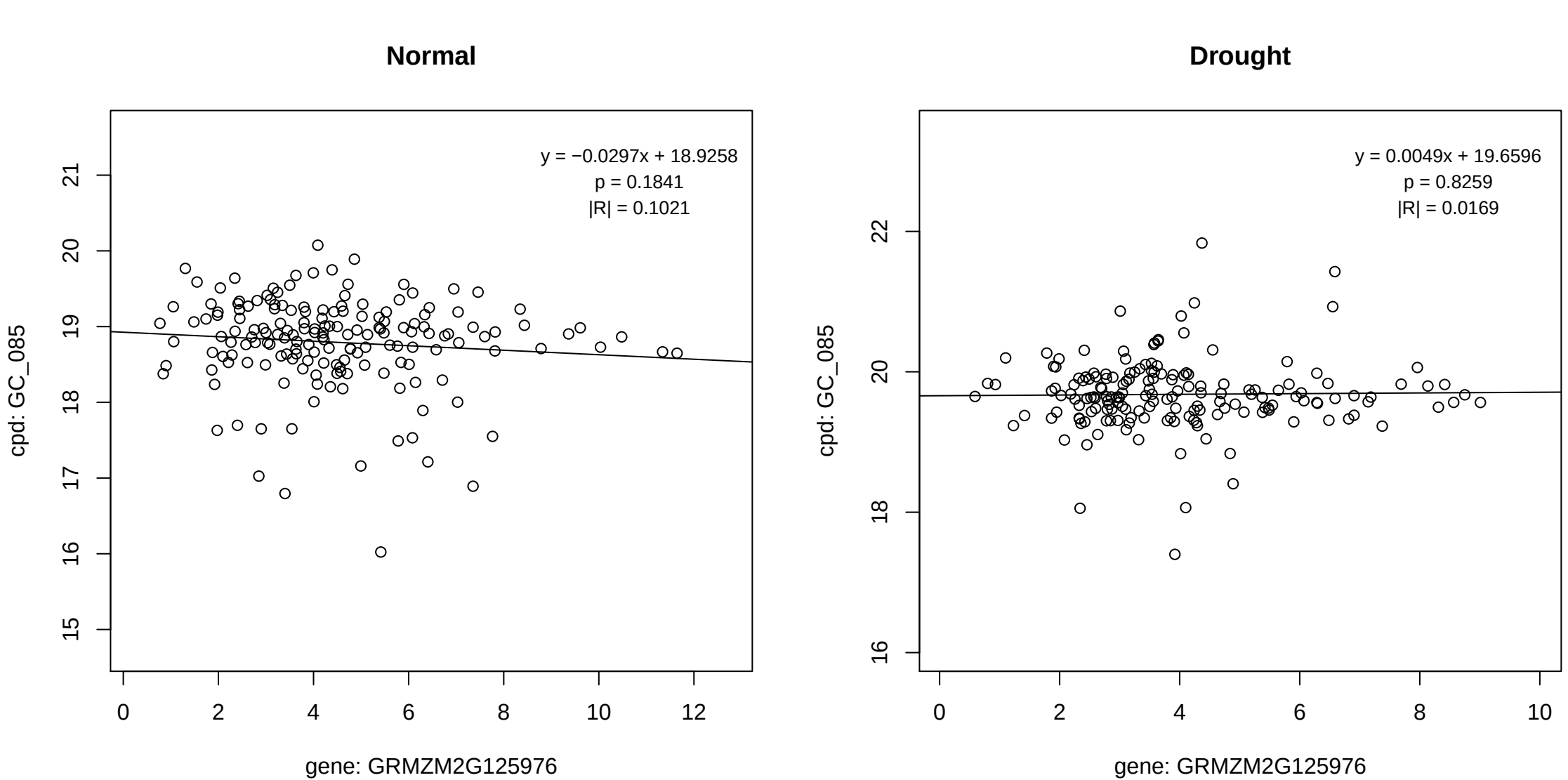

Normal
y = 2e−04x + 15.3705
p = 0.9333
|R| = 0.0064
cpd: GC_066
gene: GRMZM2G093272
Drought
y = 0.0016x + 16.2367
p = 0.2063
|R| = 0.0971
cpd: GC_066
gene: GRMZM2G093272

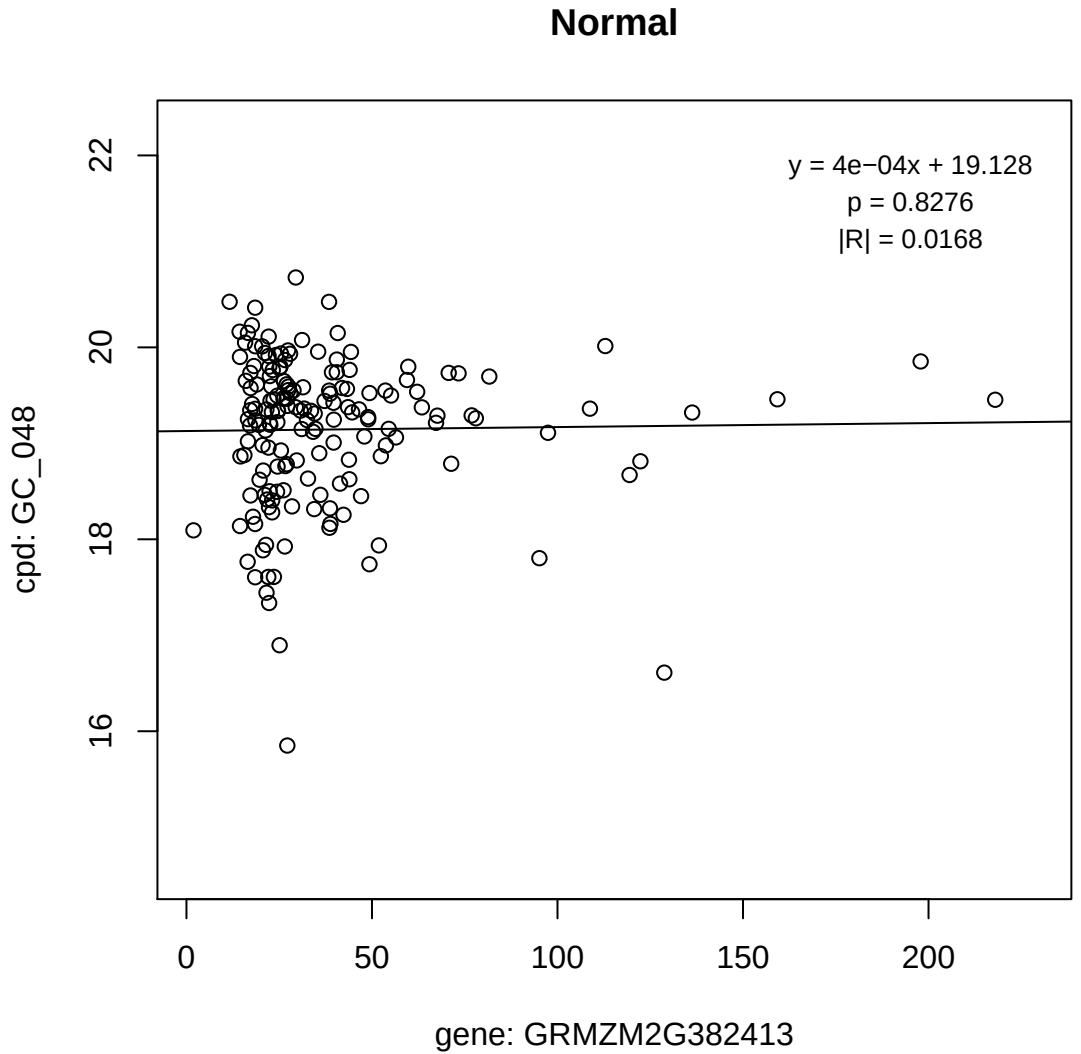

Normal
y = 4e−04x + 15.3434
p = 0.5865
|R| = 0.0419
cpd: GC_066
gene: GRMZM5G856297
Drought
y = −0.0014x + 16.3432
p = 0.5324
|R| = 0.0481
cpd: GC_066
gene: GRMZM5G856297

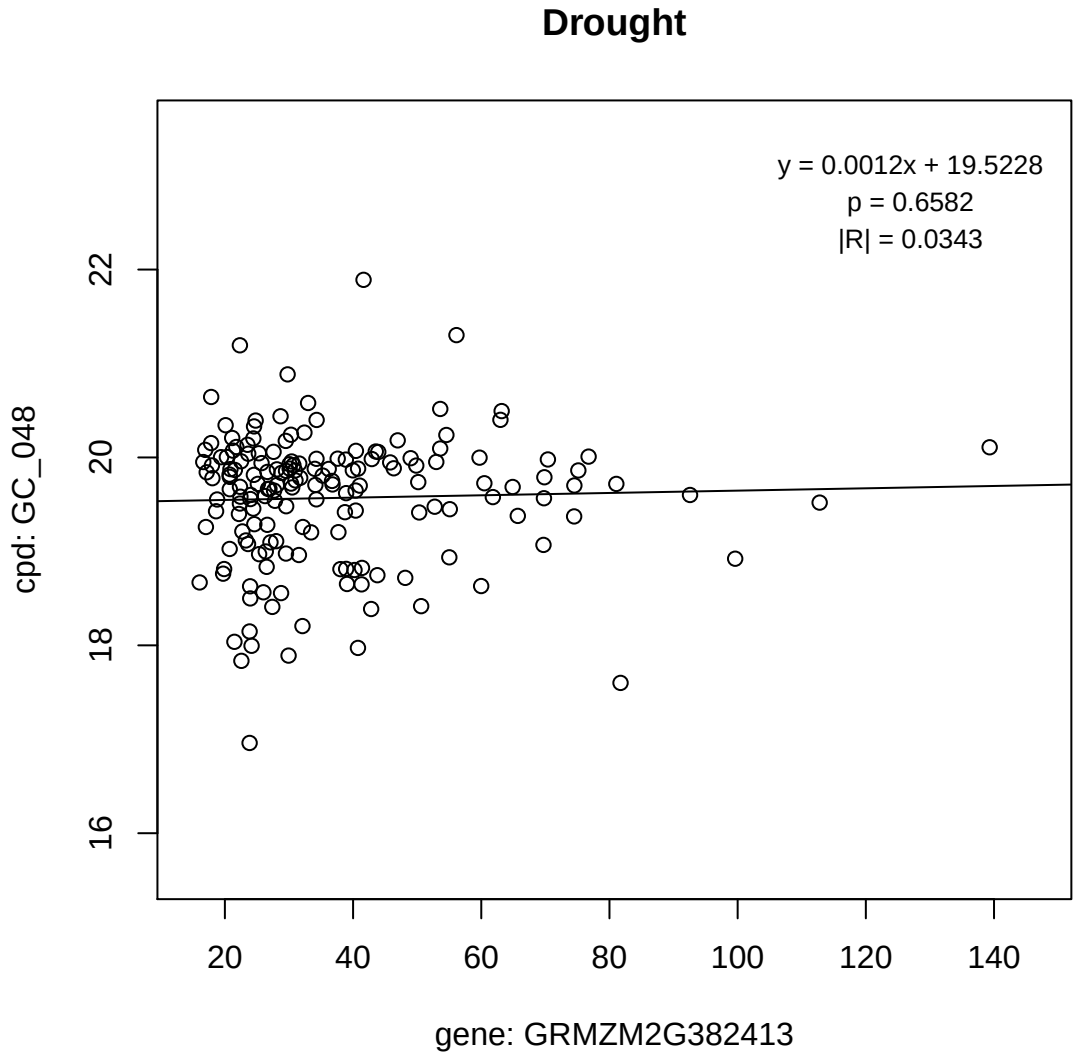

Normal
y = −0.0267x + 15.4949
p = 0.252
|R| = 0.0881
cpd: GC_066
gene: GRMZM2G125976
Drought
y = 0.005x + 16.2913
p = 0.8194
|R| = 0.0176
cpd: GC_066
gene: GRMZM2G125976

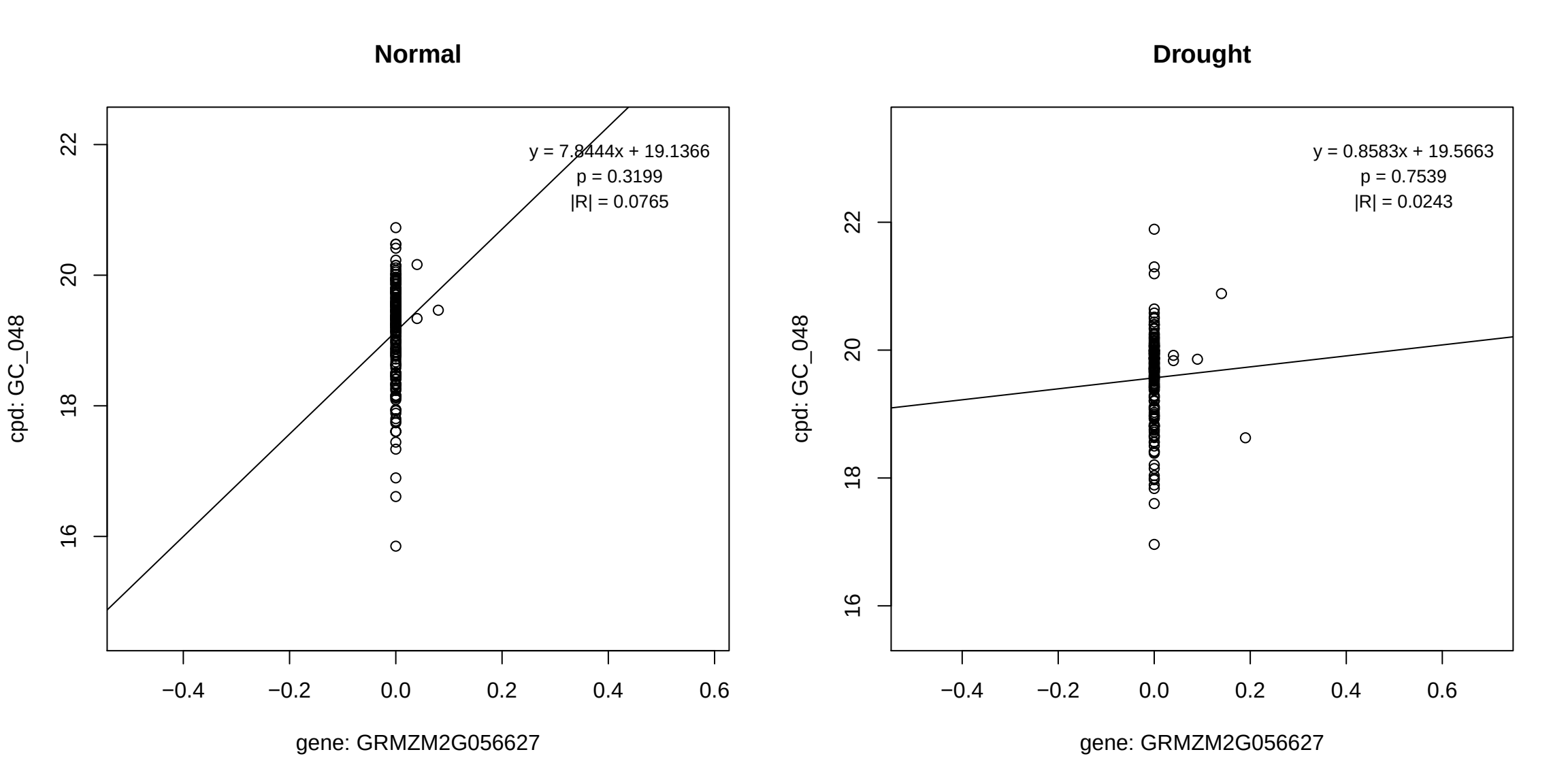

Normal
y = 3e−04x + 18.7874
p = 0.9259
|R| = 0.0072
cpd: GC_085
gene: GRMZM2G093272
Drought
y = 0.0018x + 19.5968
p = 0.1743
|R| = 0.1044
cpd: GC_085
gene: GRMZM2G093272

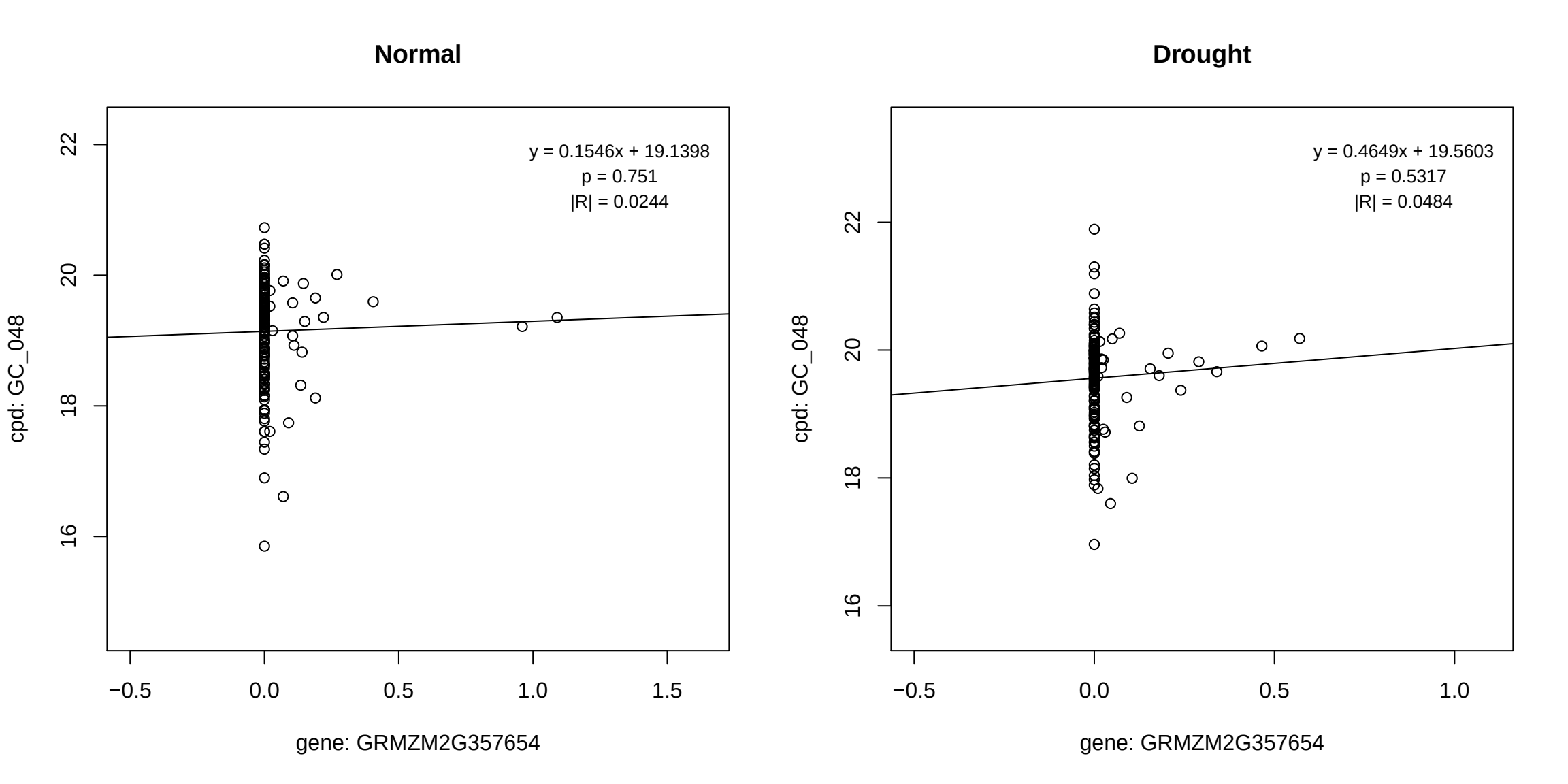

Normal
y = −2e−04x + 18.8058
p = 0.8138
|R| = 0.0181
cpd: GC_085
gene: GRMZM5G856297
Drought
y = −0.0015x + 19.7151
p = 0.4998
|R| = 0.0519
cpd: GC_085
gene: GRMZM5G856297

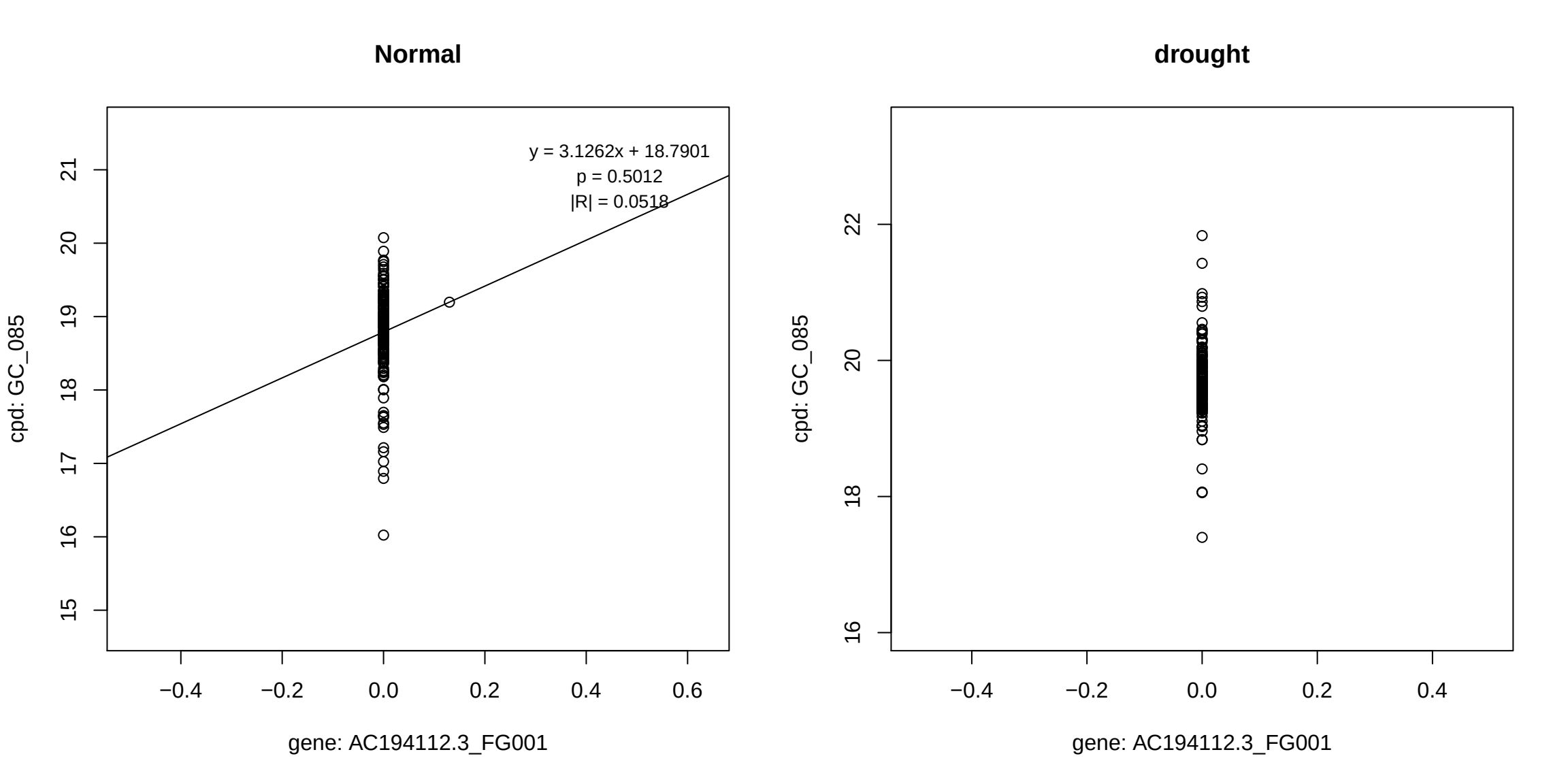

Normal
y = −0.0297x + 18.9258
p = 0.1841
|R| = 0.1021
cpd: GC_085
gene: GRMZM2G125976
Drought
y = 0.0049x + 19.6596
p = 0.8259
|R| = 0.0169
cpd: GC_085
gene: GRMZM2G125976

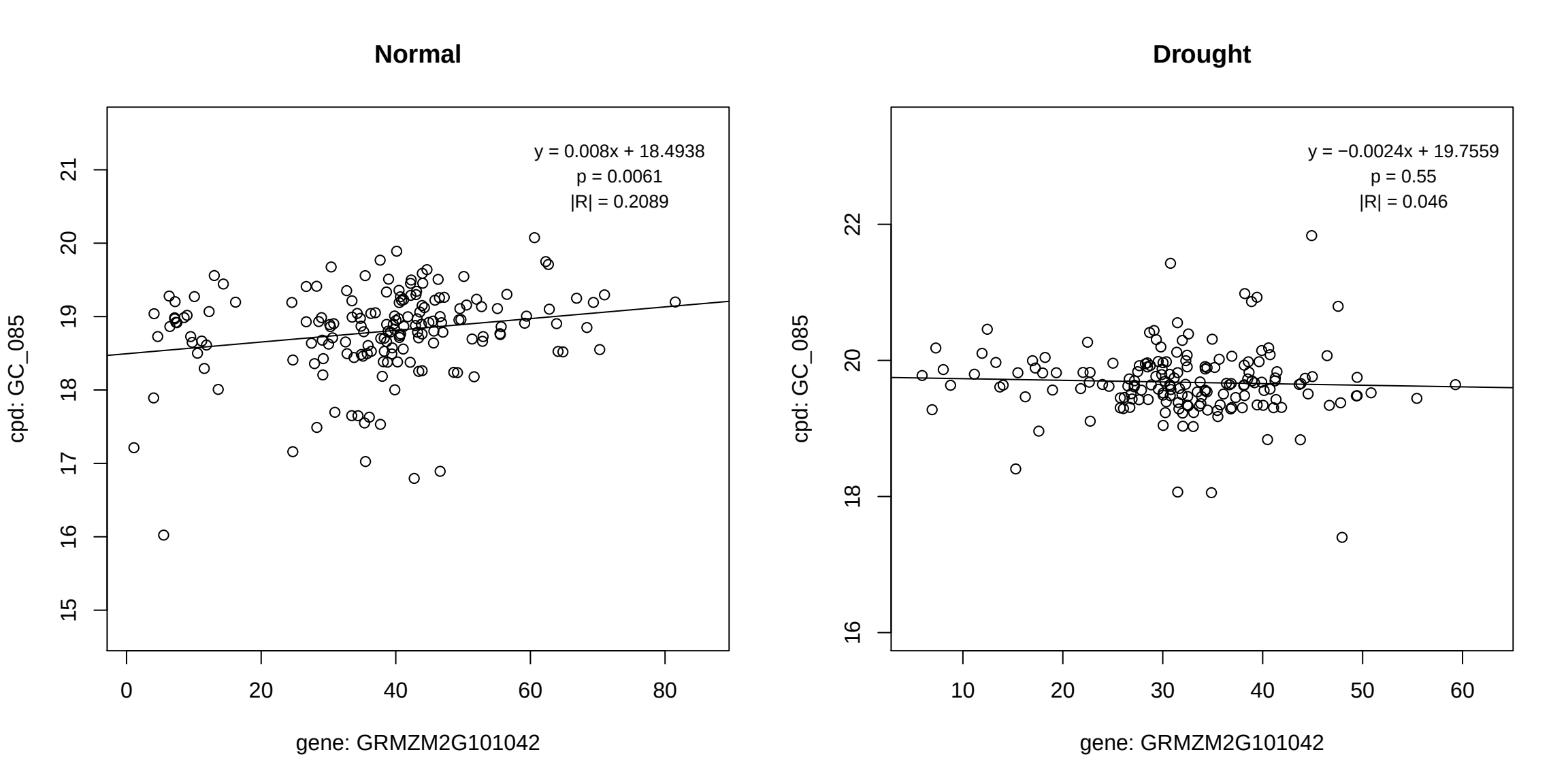

Normal
y = 4e−04x + 19.128
p = 0.8276
|R| = 0.0168
cpd: GC_048
gene: GRMZM2G382413
16
18
20
22
0
50
100
150
200

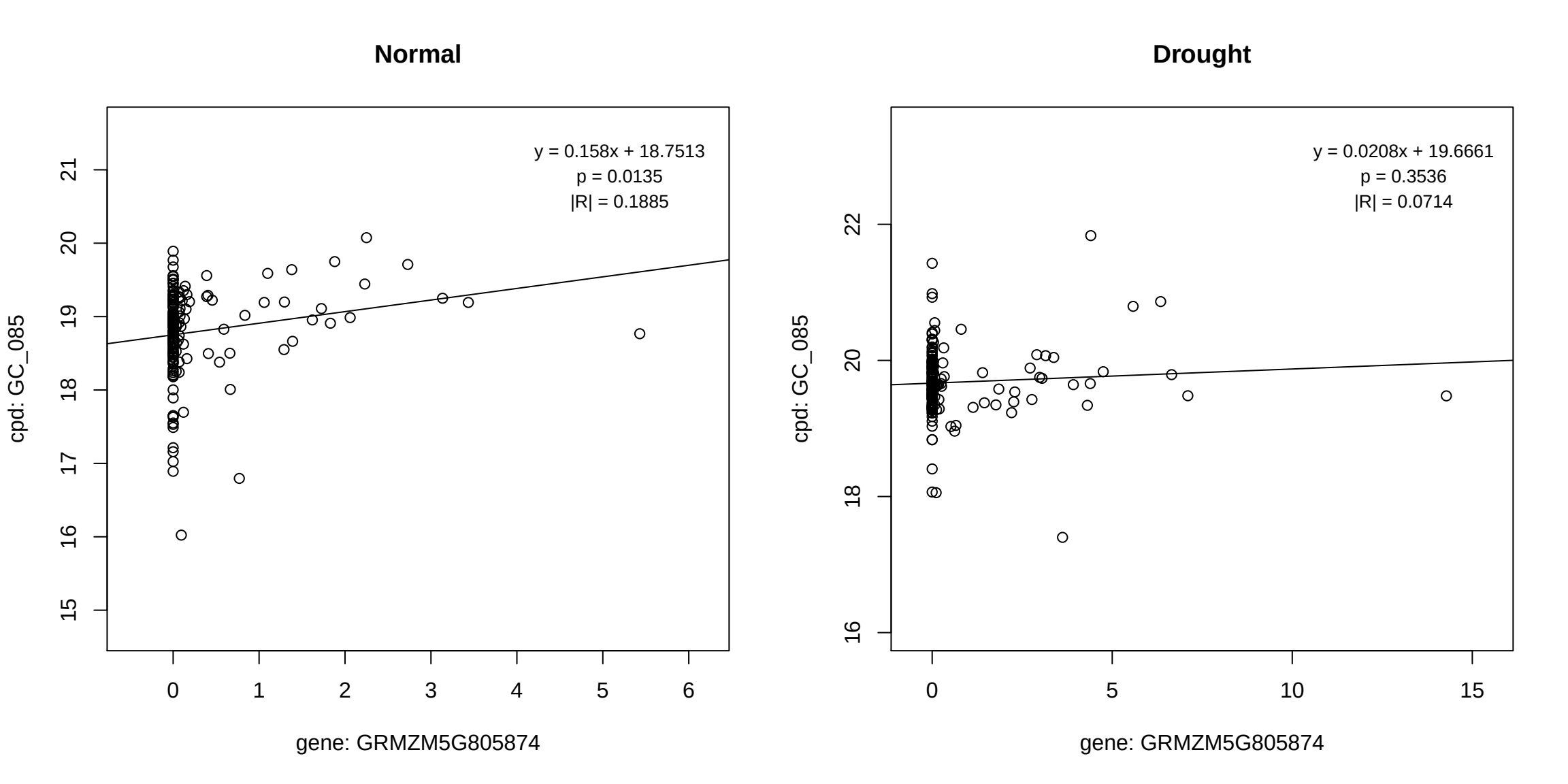

Drought
y = 0.0012x + 19.5228
p = 0.6582
|R| = 0.0343
cpd: GC_048
gene: GRMZM2G382413
16
18
20
22
20
40
60
80
100
120
140

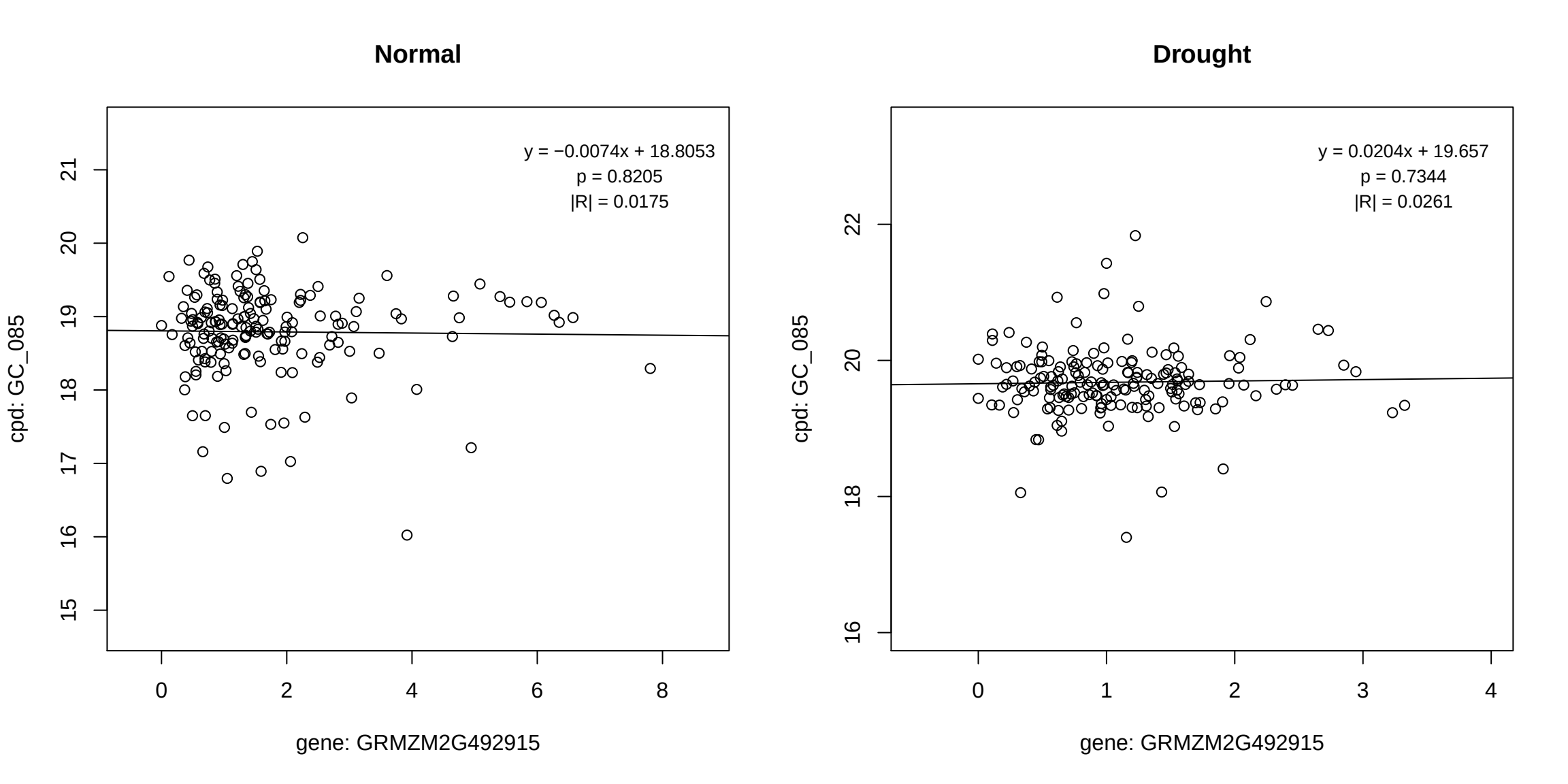

Normal
y = 7.8444x + 19.1366
p = 0.3199
|R| = 0.0765
cpd: GC_048
gene: GRMZM2G056627
Drought
y = 0.8583x + 19.5663
p = 0.7539
|R| = 0.0243
cpd: GC_048
gene: GRMZM2G056627

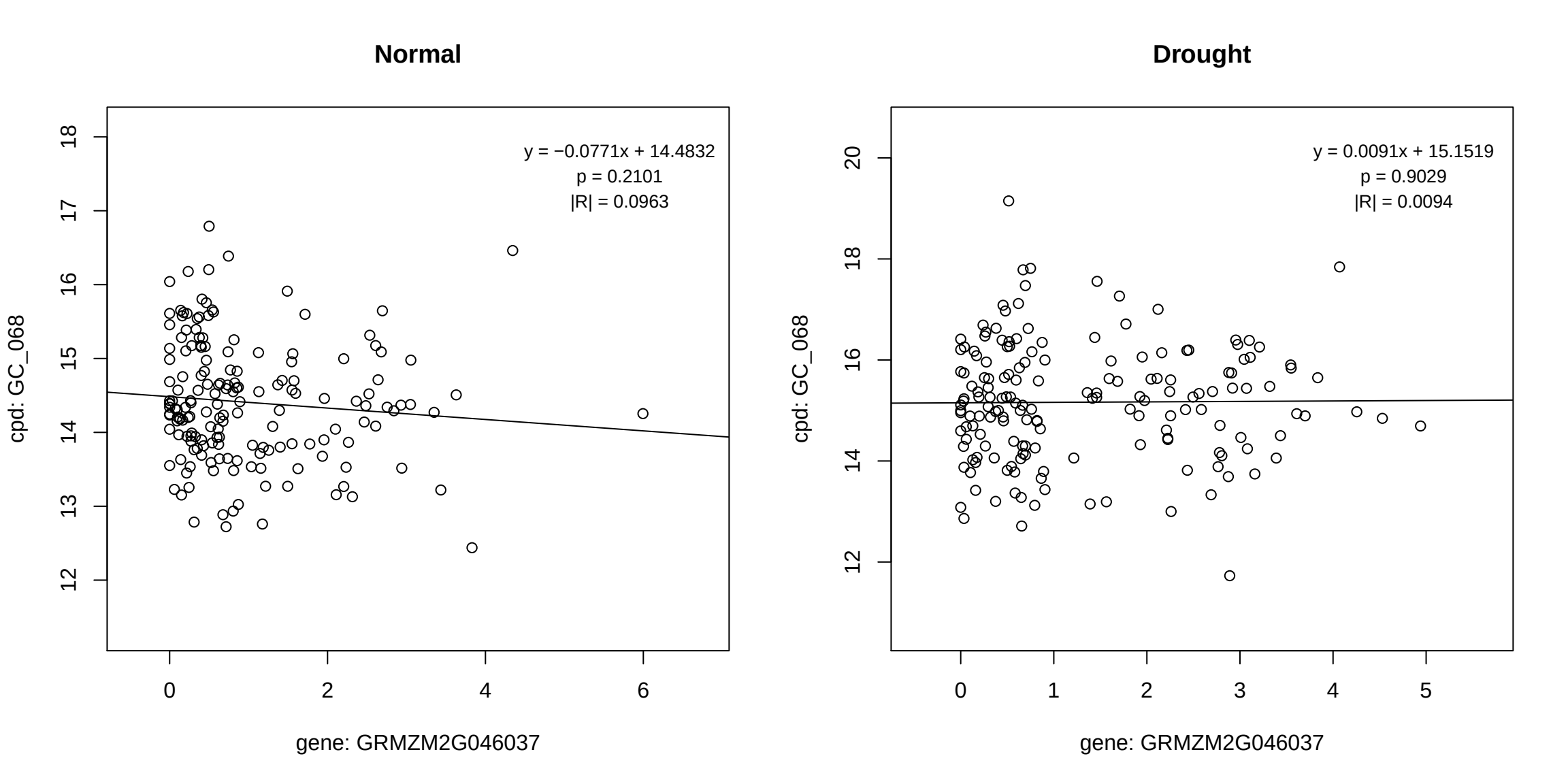

Normal
y = 0.1546x + 19.1398
p = 0.751
|R| = 0.0244
cpd: GC_048
gene: GRMZM2G357654
Drought
y = 0.4649x + 19.5603
p = 0.5317
|R| = 0.0484
cpd: GC_048
gene: GRMZM2G357654

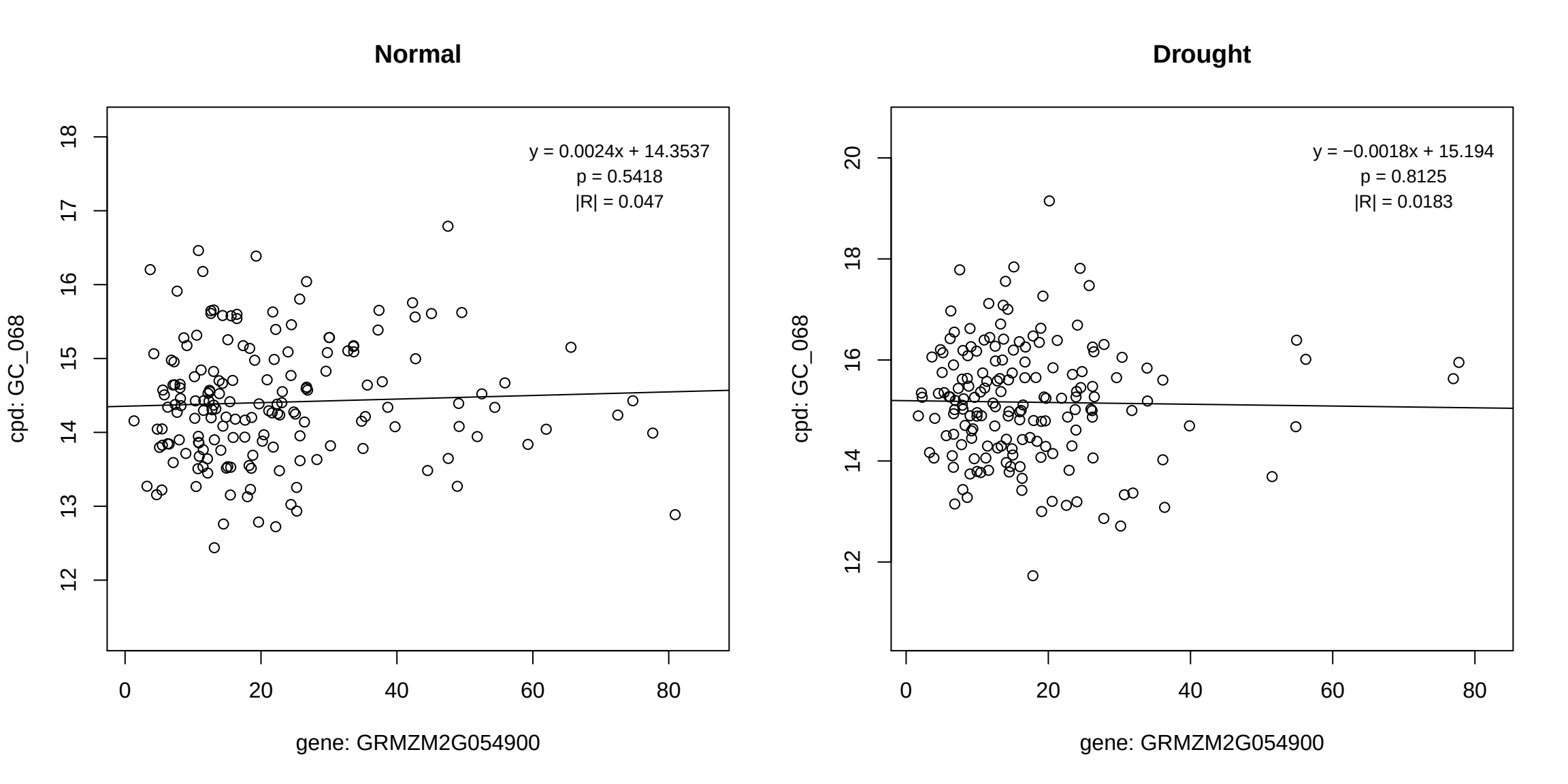

Normal
y = 3.1262x + 18.7901
p = 0.5012
|R| = 0.0518
cpd: GC_085
gene: AC194112.3_FG001
drought
cpd: GC_085
gene: AC194112.3_FG001

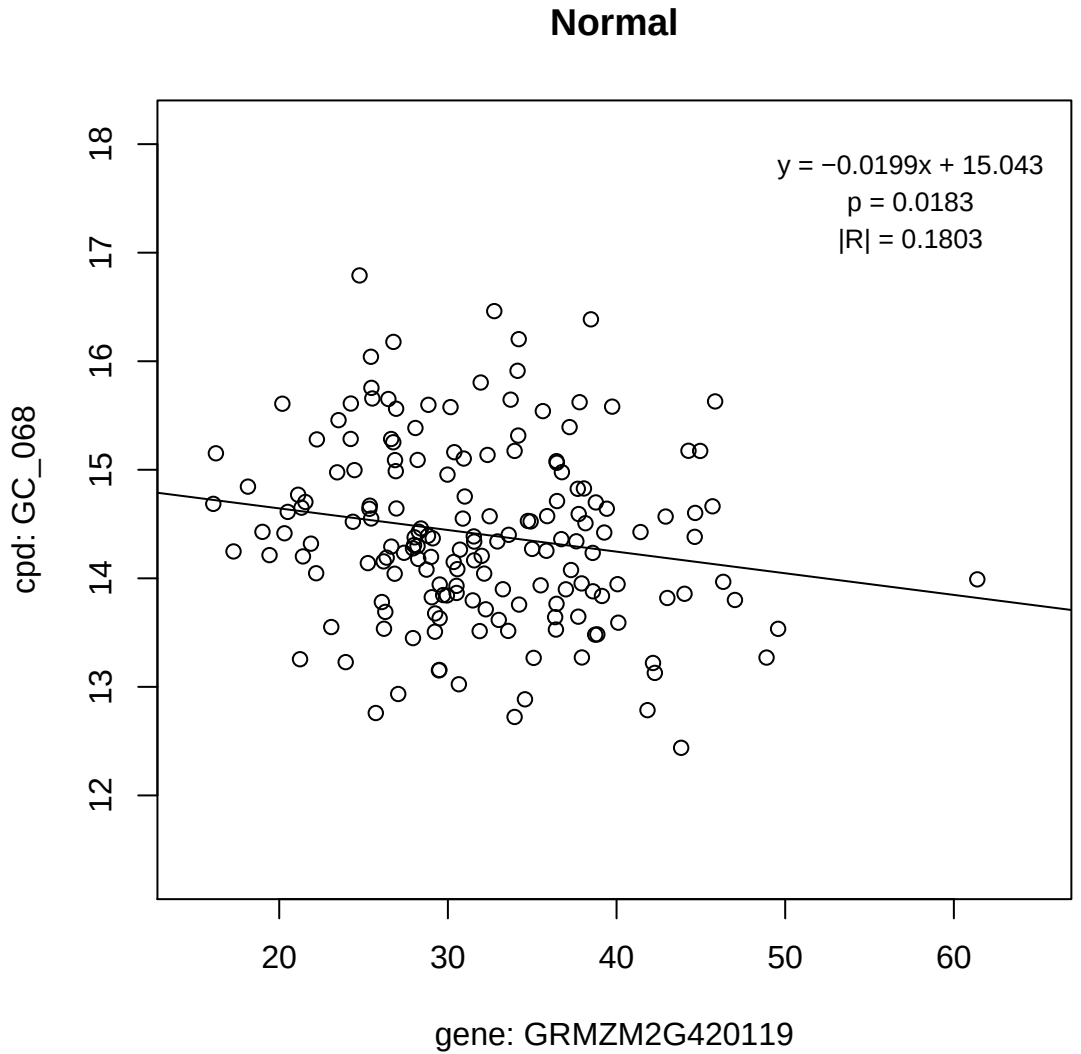

Normal
y = 0.008x + 18.4938
p = 0.0061
|R| = 0.2089
cpd: GC_085
gene: GRMZM2G101042
Drought
y = −0.0024x + 19.7559
p = 0.55
|R| = 0.046
cpd: GC_085
gene: GRMZM2G101042

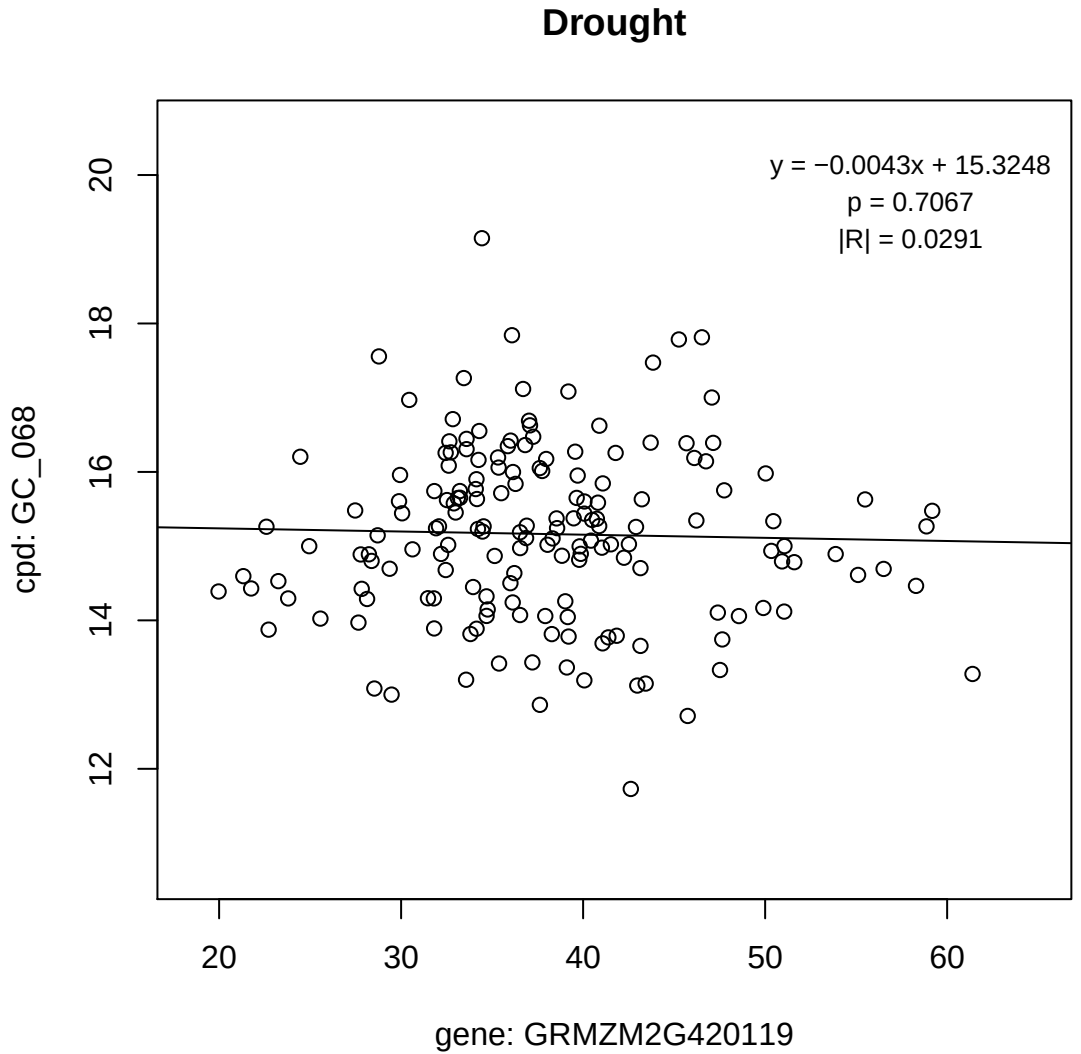

Normal
y = 0.158x + 18.7513
p = 0.0135
|R| = 0.1885
cpd: GC_085
gene: GRMZM5G805874
Drought
y = 0.0208x + 19.6661
p = 0.3536
|R| = 0.0714
cpd: GC_085
gene: GRMZM5G805874

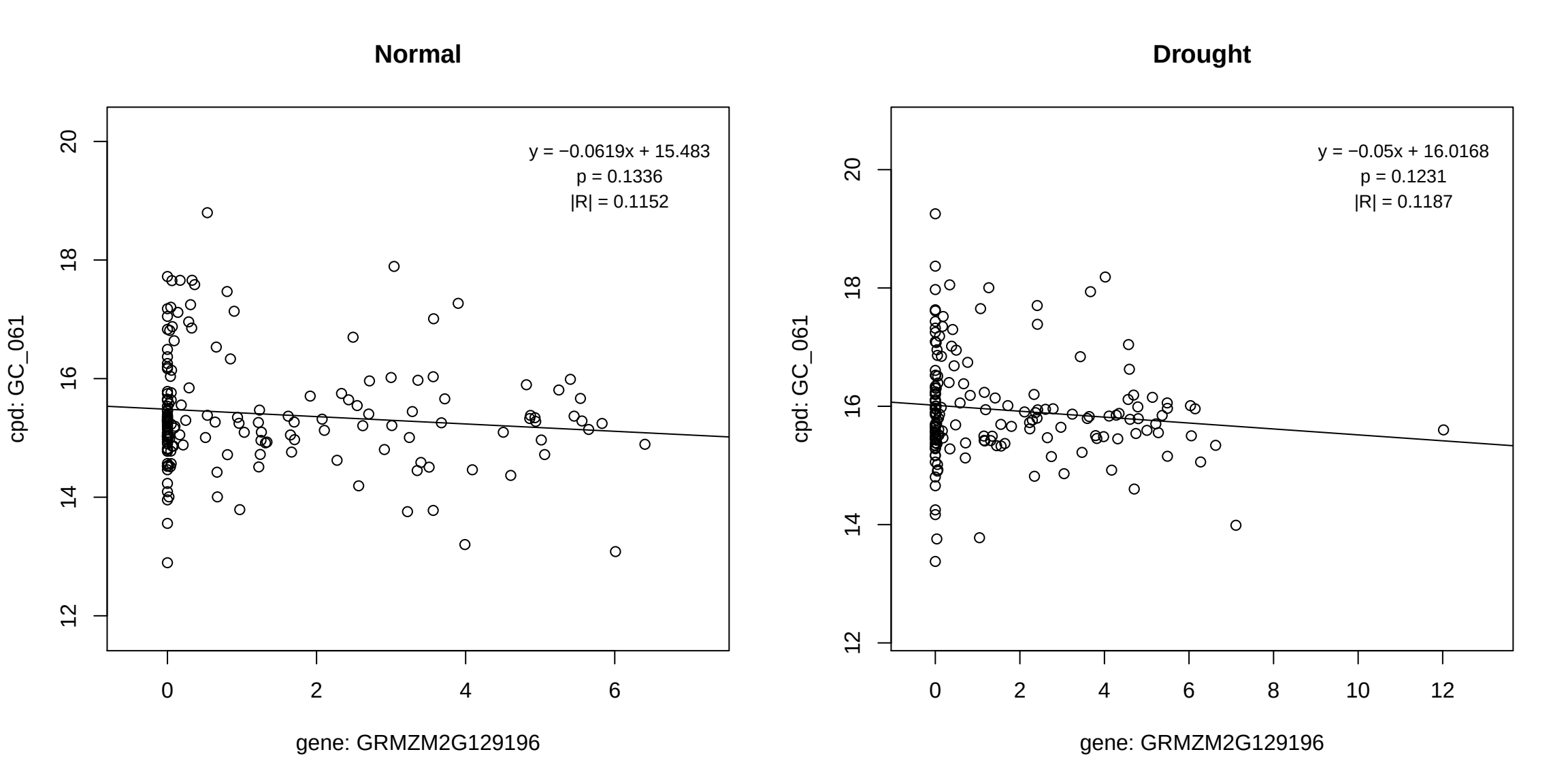

Normal
y = −0.0074x + 18.8053
p = 0.8205
|R| = 0.0175
cpd: GC_085
gene: GRMZM2G492915
Drought
y = 0.0204x + 19.657
p = 0.7344
|R| = 0.0261
cpd: GC_085
gene: GRMZM2G492915

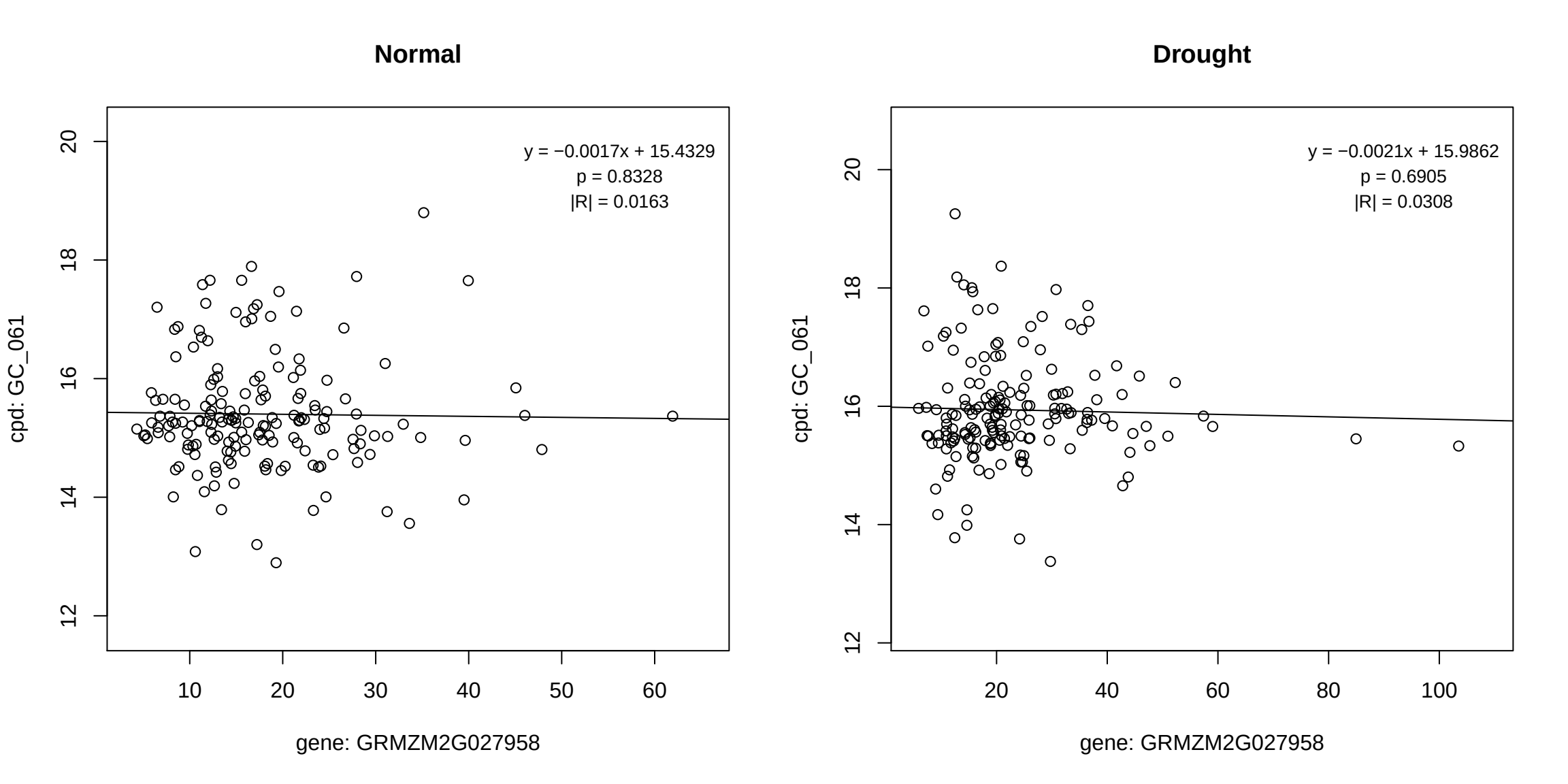

Normal
y = −0.0771x + 14.4832
p = 0.2101
|R| = 0.0963
cpd: GC_068
gene: GRMZM2G046037
Drought
y = 0.0091x + 15.1519
p = 0.9029
|R| = 0.0094
cpd: GC_068
gene: GRMZM2G046037

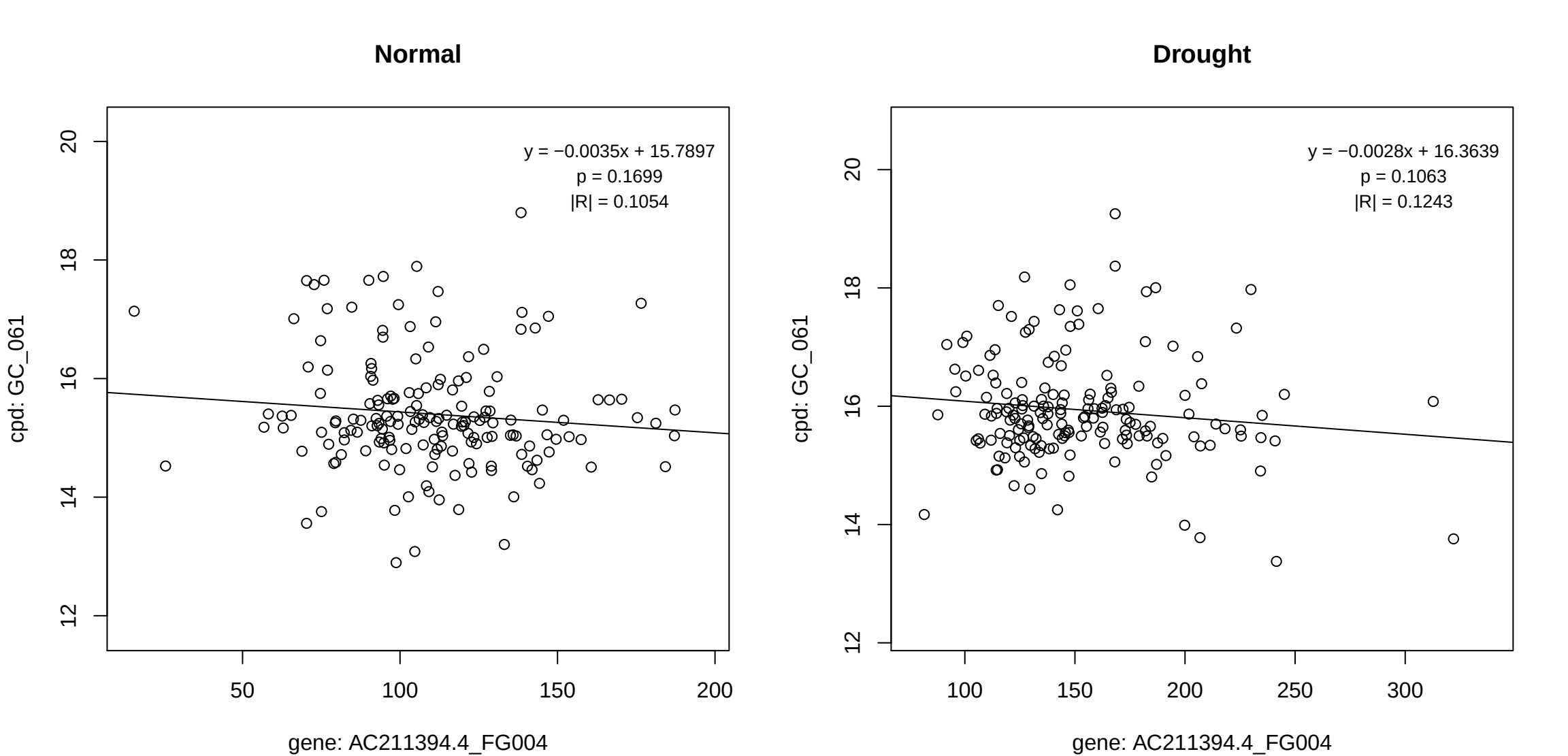

Normal
y = 0.0024x + 14.3537
p = 0.5418
|R| = 0.047
cpd: GC_068
gene: GRMZM2G054900
Drought
y = −0.0018x + 15.194
p = 0.8125
|R| = 0.0183
cpd: GC_068
gene: GRMZM2G054900

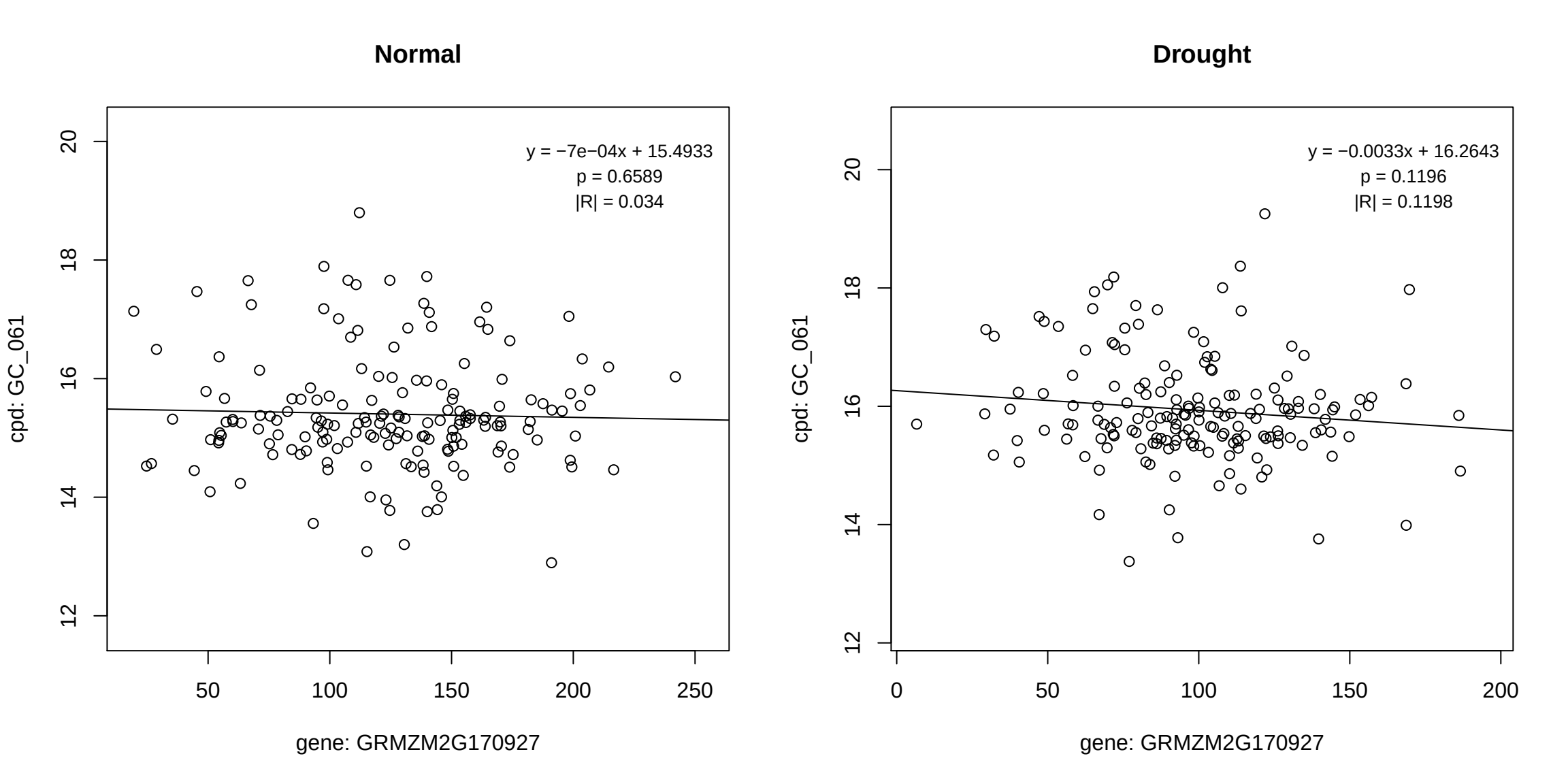

Normal
y = −0.0199x + 15.043
p = 0.0183
|R| = 0.1803
cpd: GC_068
gene: GRMZM2G420119
12
13
14
15
16
17
18
20
30
40
50
60

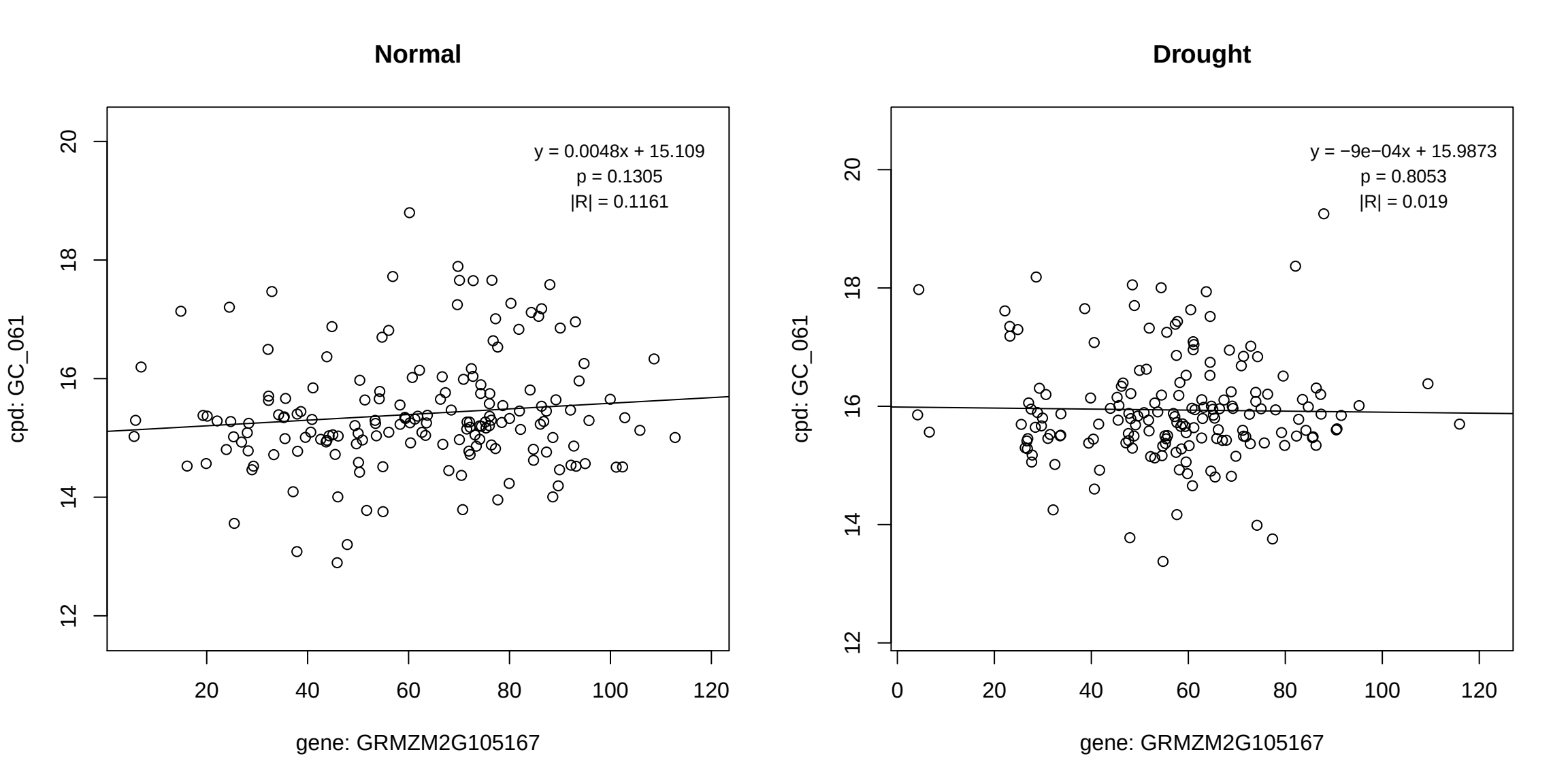

Drought
y = −0.0043x + 15.3248
p = 0.7067
|R| = 0.0291
cpd: GC_068
gene: GRMZM2G420119
12
14
16
18
20
30
40
50
60

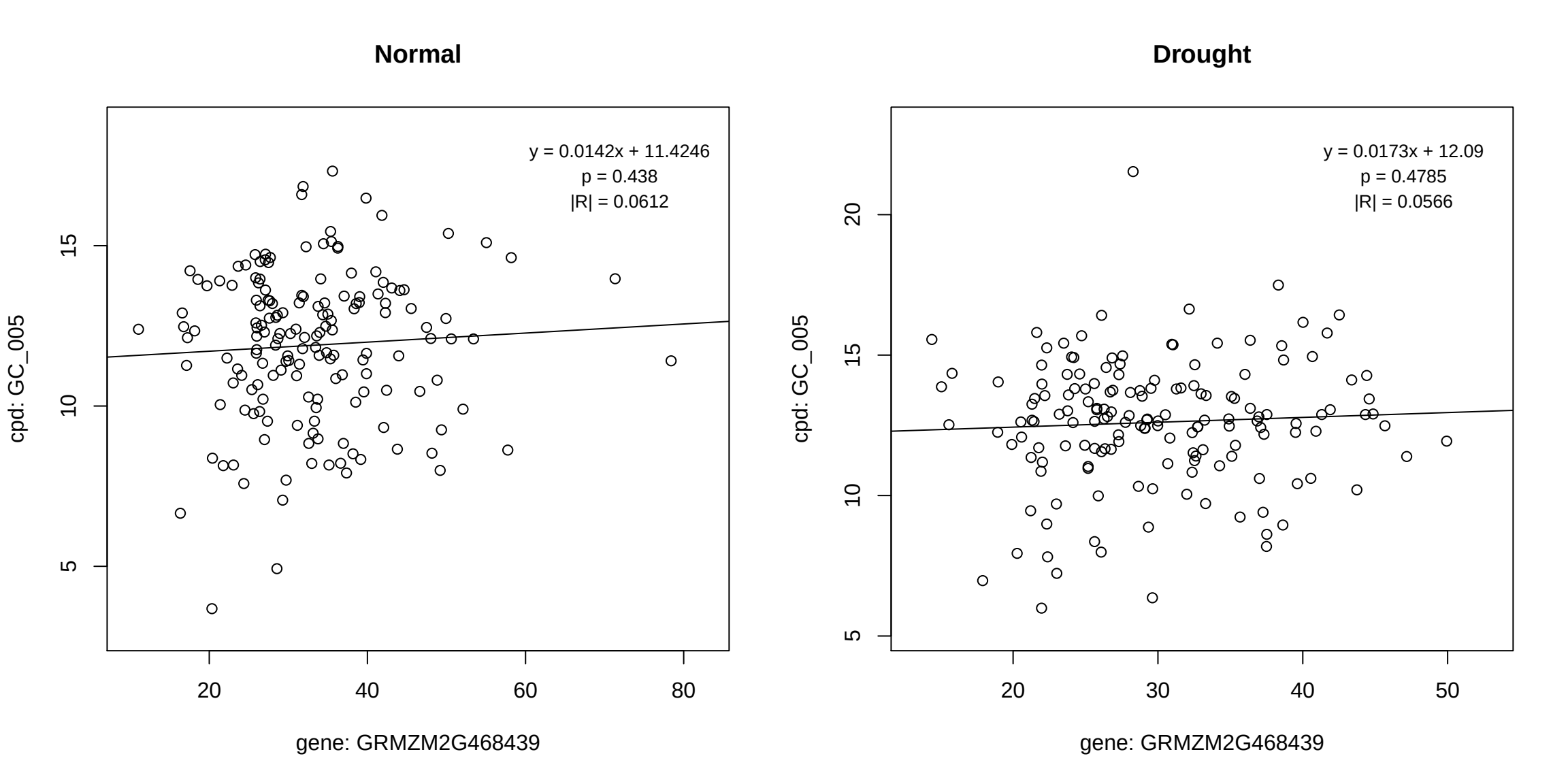

Normal
y = −0.0619x + 15.483
p = 0.1336
|R| = 0.1152
cpd: GC_061
gene: GRMZM2G129196
Drought
y = −0.05x + 16.0168
p = 0.1231
|R| = 0.1187
cpd: GC_061
gene: GRMZM2G129196

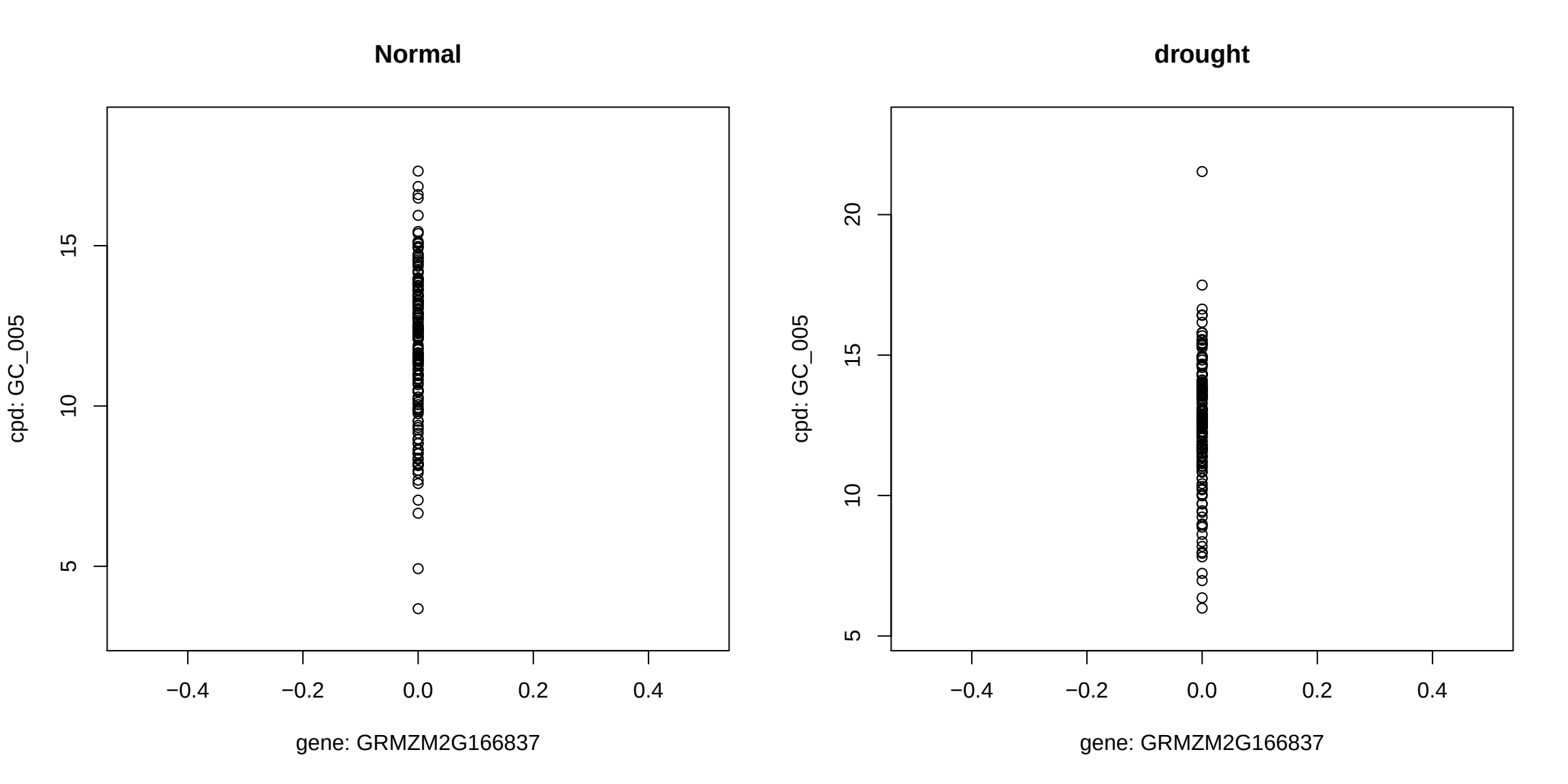

Normal
y = −0.0017x + 15.4329
p = 0.8328
|R| = 0.0163
cpd: GC_061
gene: GRMZM2G027958
12
14
16
18
20
10
20
30
40
50
60
Drought
y = −0.0021x + 15.9862
p = 0.6905
|R| = 0.0308
cpd: GC_061
gene: GRMZM2G027958
12
14
16
18
20
20
40
60
80
100

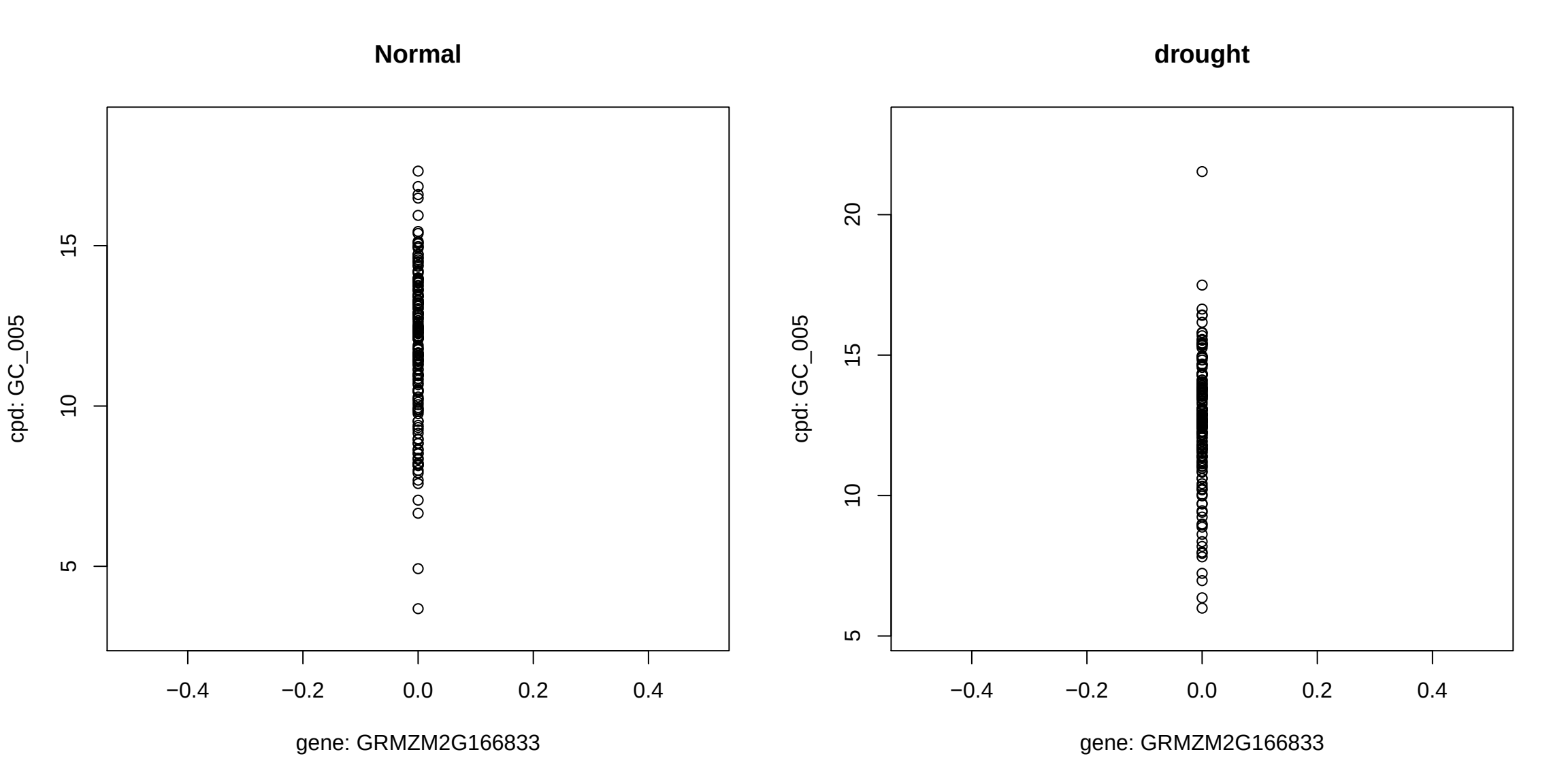

Normal
y = −0.0035x + 15.7897
p = 0.1699
|R| = 0.1054
cpd: GC_061
gene: AC211394.4_FG004
Drought
y = −0.0028x + 16.3639
p = 0.1063
|R| = 0.1243
cpd: GC_061
gene: AC211394.4_FG004

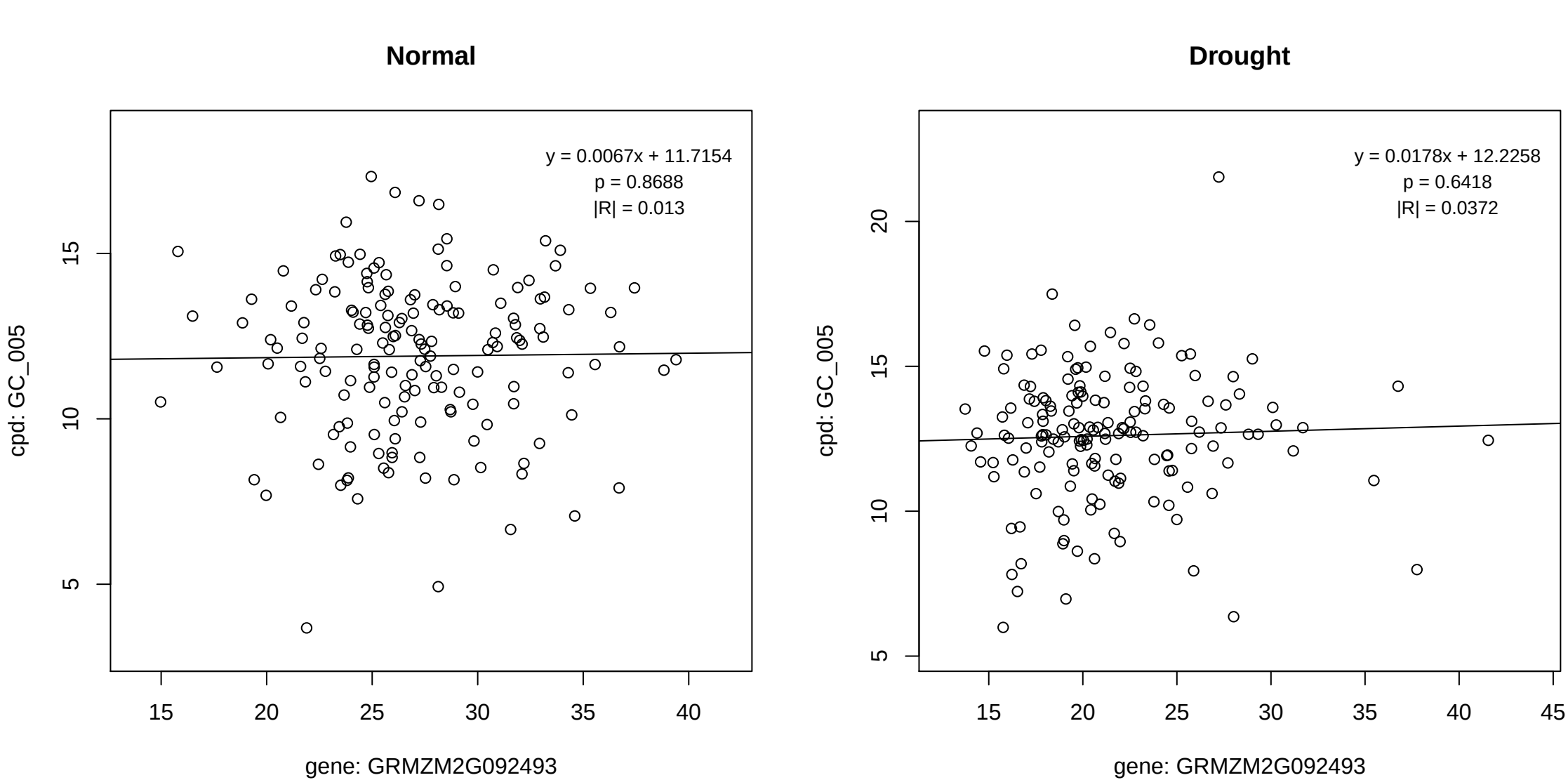

Normal
y = −7e−04x + 15.4933
p = 0.6589
|R| = 0.034
cpd: GC_061
gene: GRMZM2G170927
Drought
y = −0.0033x + 16.2643
p = 0.1196
|R| = 0.1198
cpd: GC_061
gene: GRMZM2G170927

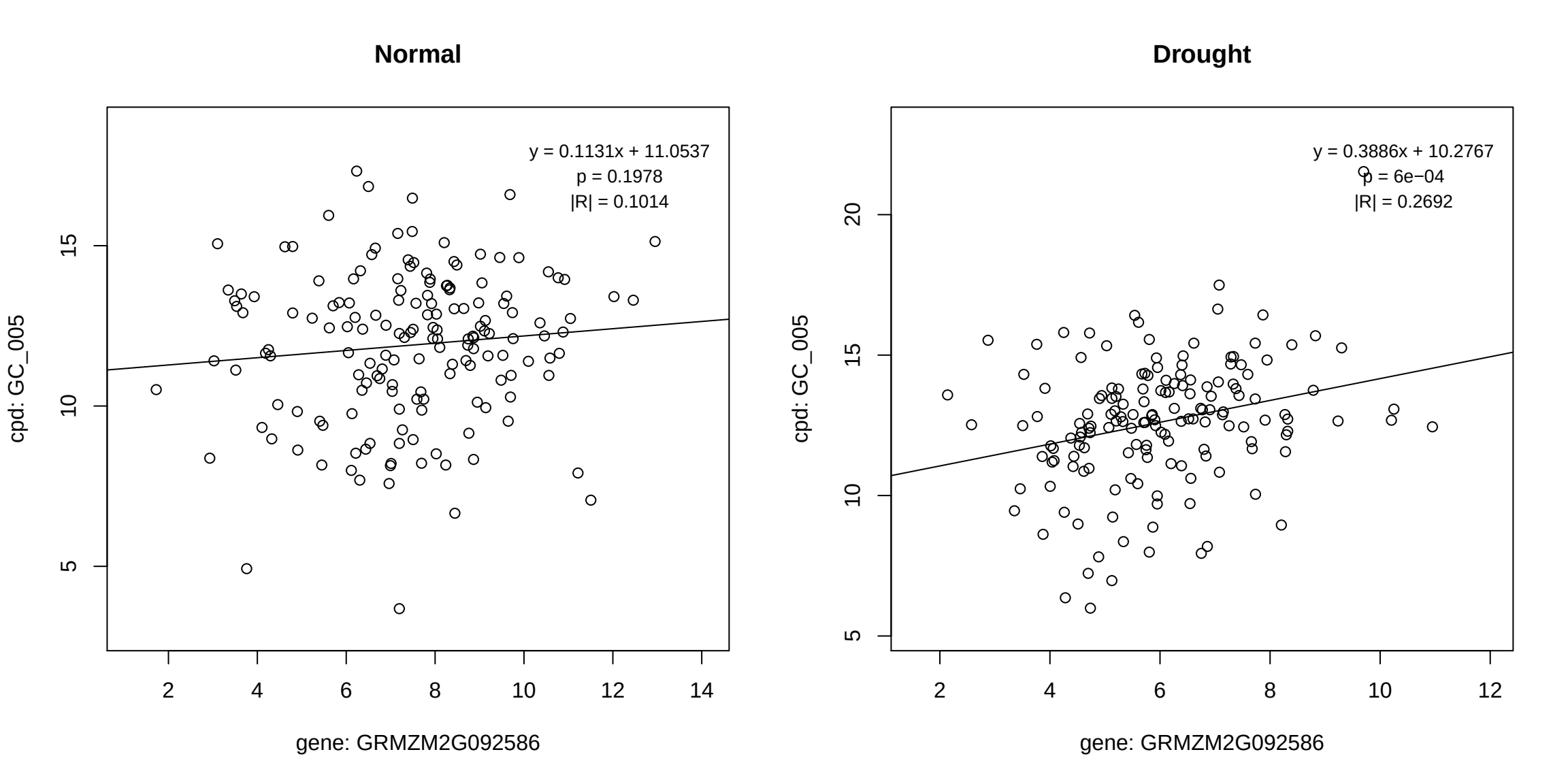

Normal
y = 0.0048x + 15.109
p = 0.1305
|R| = 0.1161
cpd: GC_061
gene: GRMZM2G105167
Drought
y = −9e−04x + 15.9873
p = 0.8053
|R| = 0.019
cpd: GC_061
gene: GRMZM2G105167

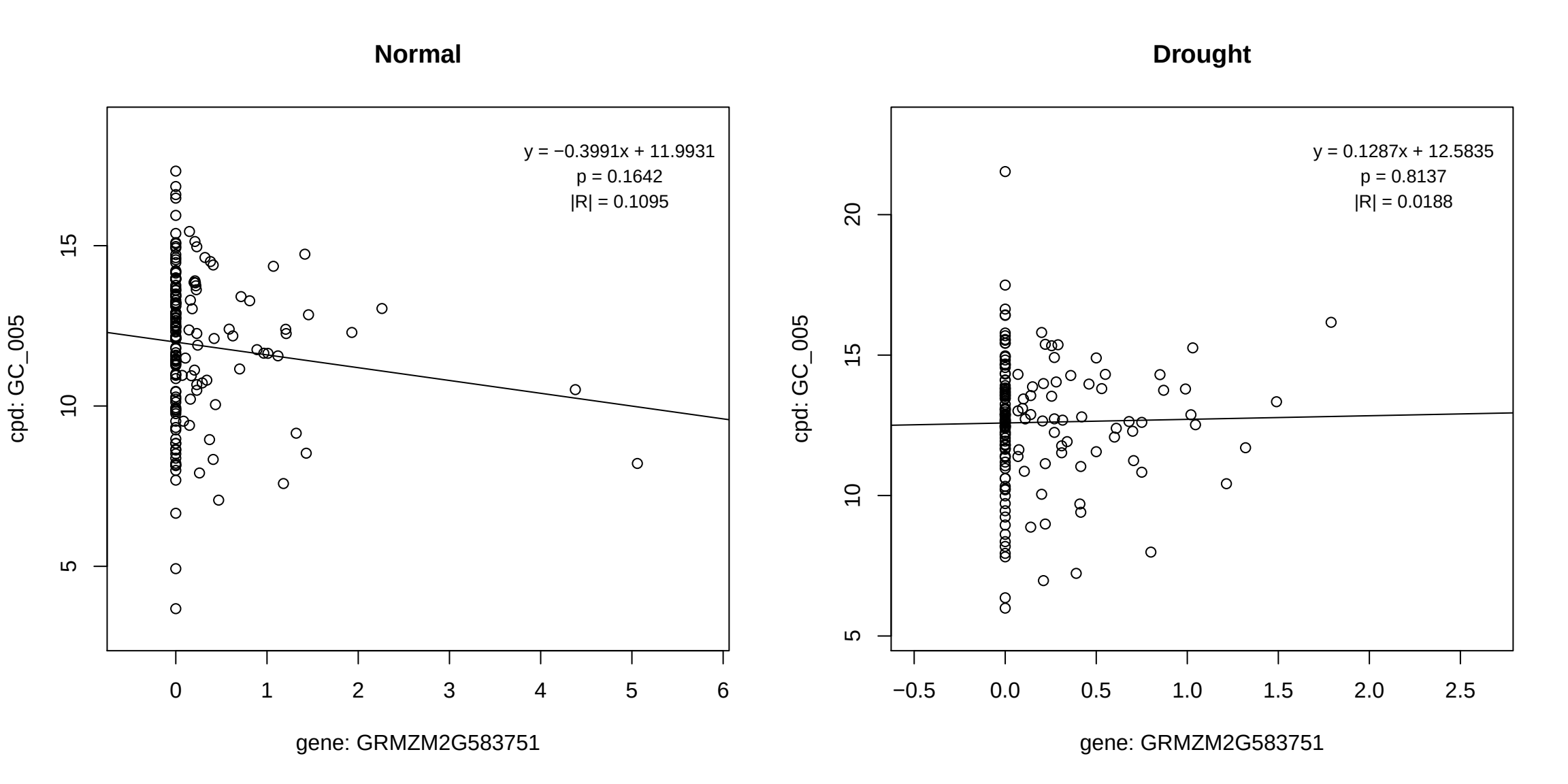

Normal
y = 0.0142x + 11.4246
p = 0.438
|R| = 0.0612
cpd: GC_005
gene: GRMZM2G468439
Drought
y = 0.0173x + 12.09
p = 0.4785
|R| = 0.0566
cpd: GC_005
gene: GRMZM2G468439

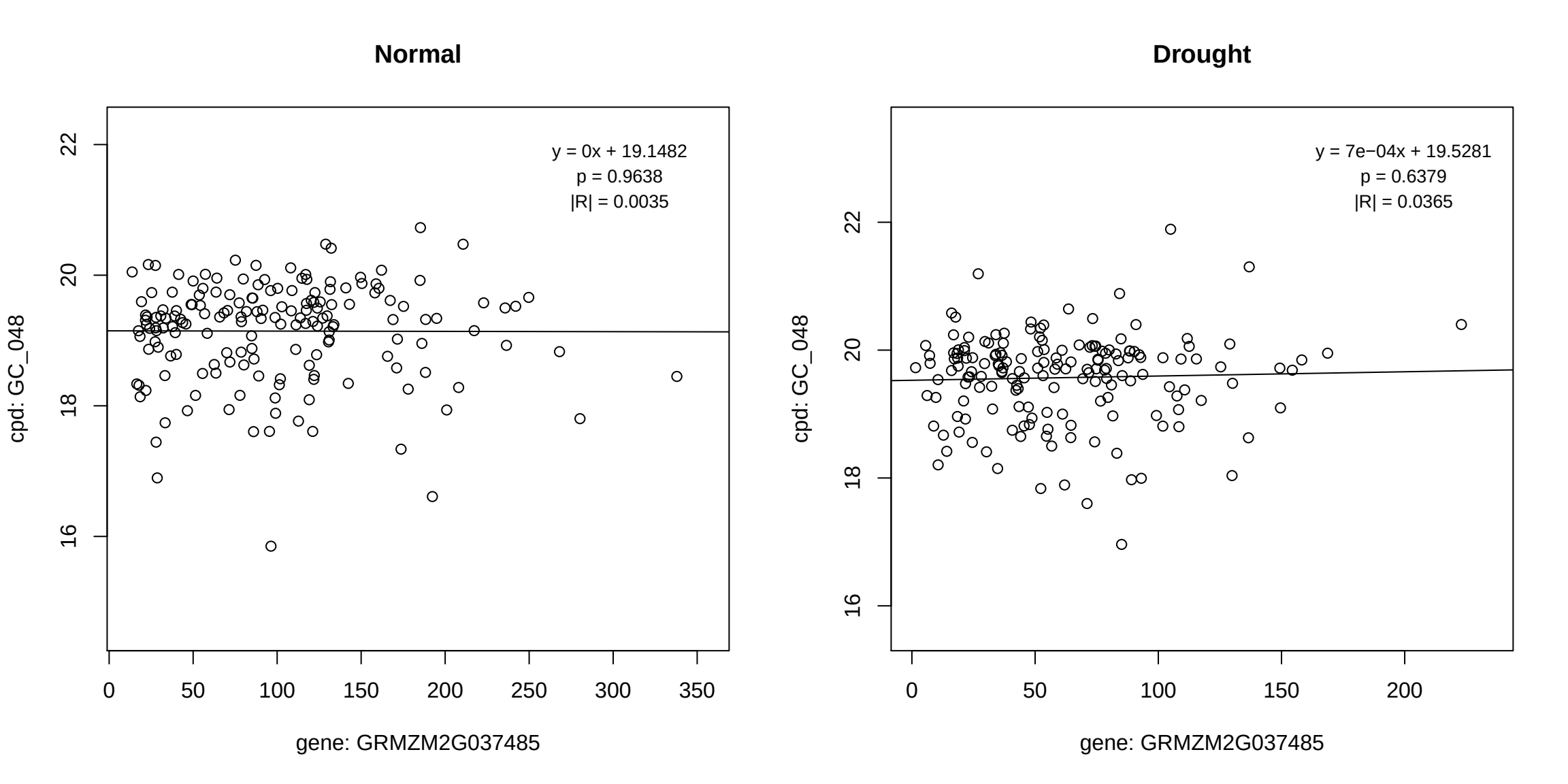

Normal
drought
cpd: GC_005
gene: GRMZM2G166837
5
10
15
20
−0.4
−0.2
0.0
0.2
0.4

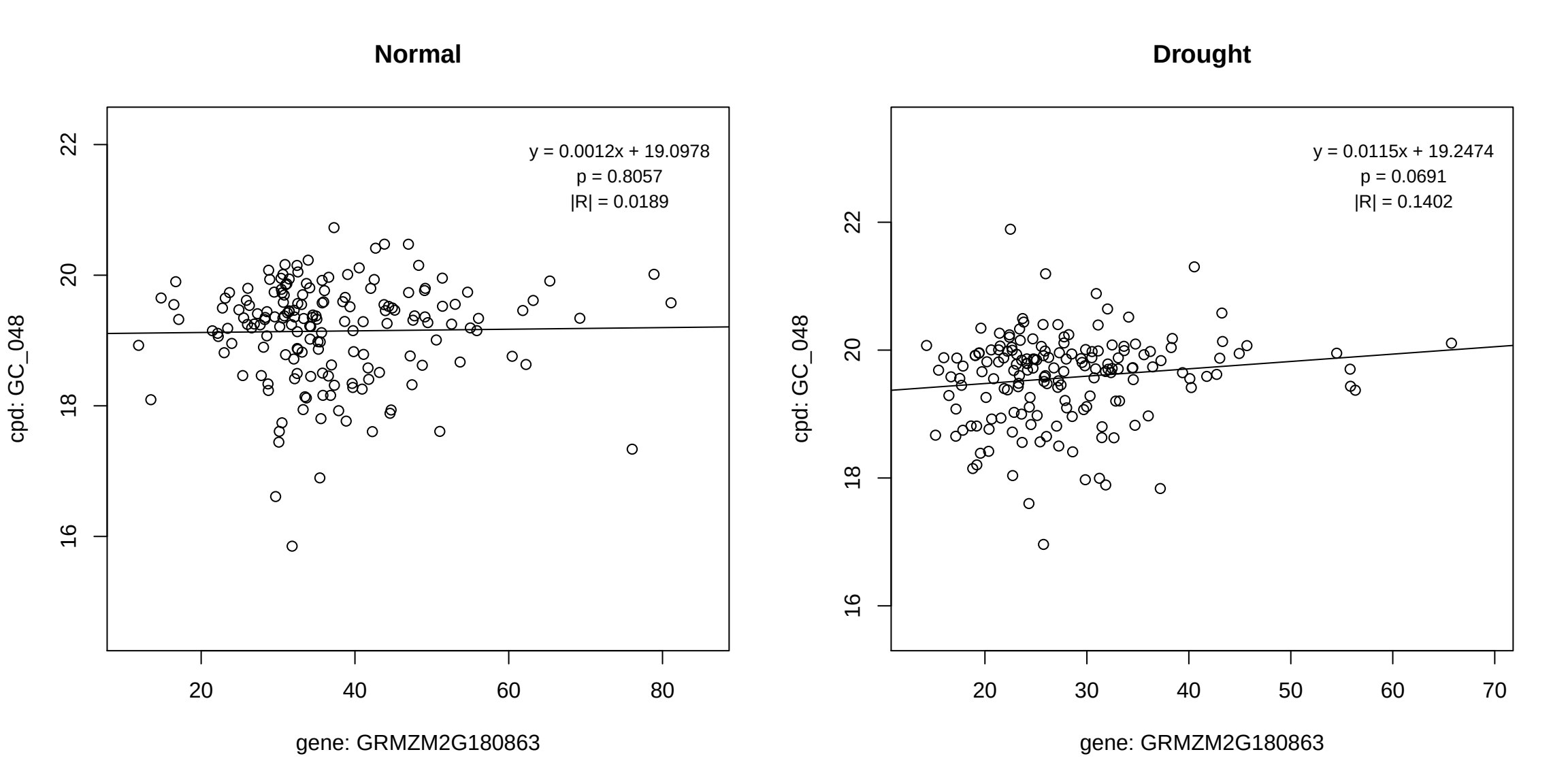

Normal
drought
cpd: GC_005
gene: GRMZM2G166833
5
10
15
20
−0.4
−0.2
0.0
0.2
0.4

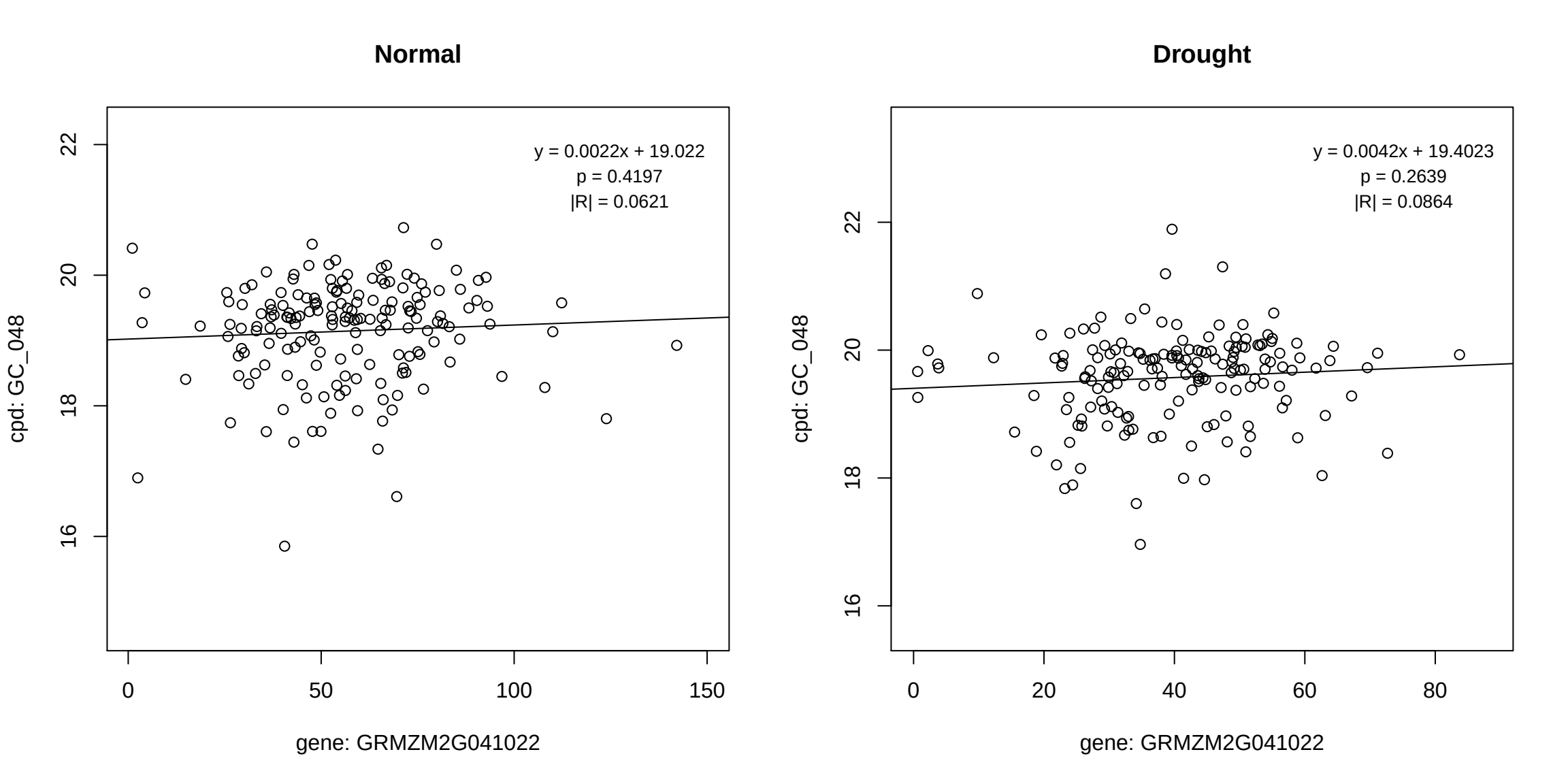

Normal
y = 0.0067x + 11.7154
p = 0.8688
|R| = 0.013
cpd: GC_005
gene: GRMZM2G092493
Drought
y = 0.0178x + 12.2258
p = 0.6418
|R| = 0.0372
cpd: GC_005
gene: GRMZM2G092493

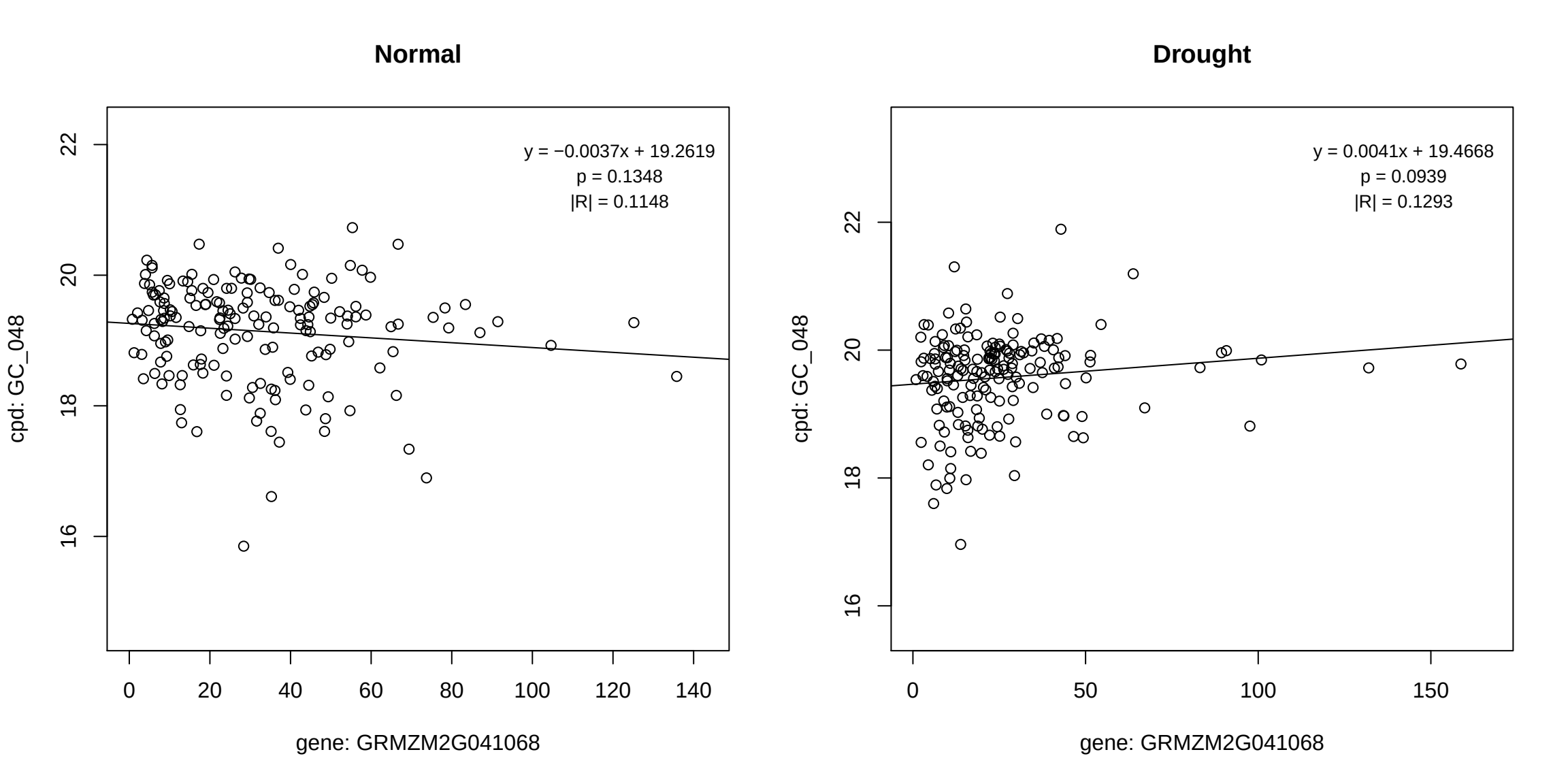

Normal
y = 0.1131x + 11.0537
p = 0.1978
|R| = 0.1014
cpd: GC_005
gene: GRMZM2G092586
Drought
y = 0.3886x + 10.2767
p = 6e−04
|R| = 0.2692
cpd: GC_005
gene: GRMZM2G092586

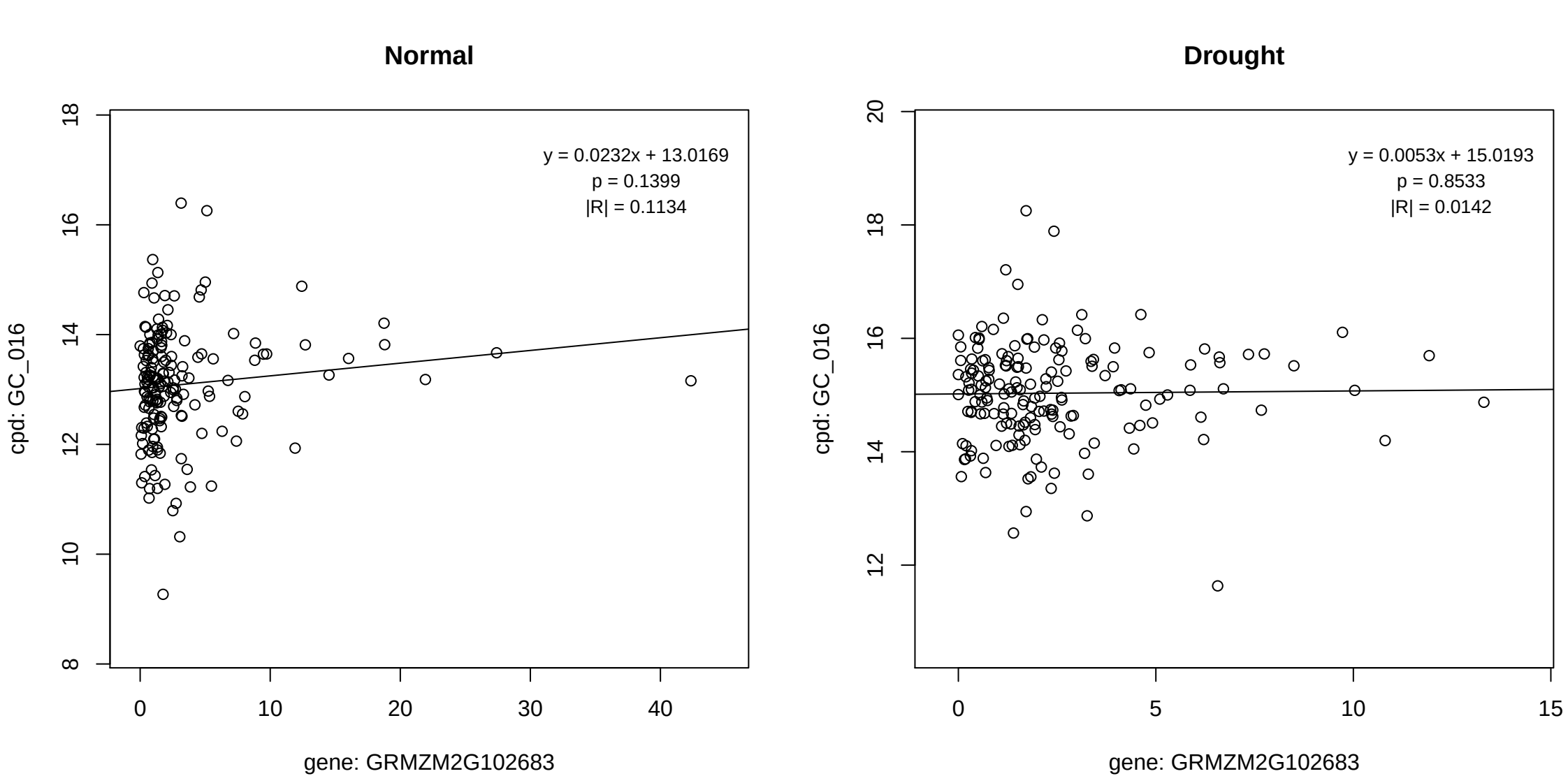

Normal
y = −0.3991x + 11.9931
p = 0.1642
|R| = 0.1095
cpd: GC_005
gene: GRMZM2G583751
Drought
y = 0.1287x + 12.5835
p = 0.8137
|R| = 0.0188
cpd: GC_005
gene: GRMZM2G583751

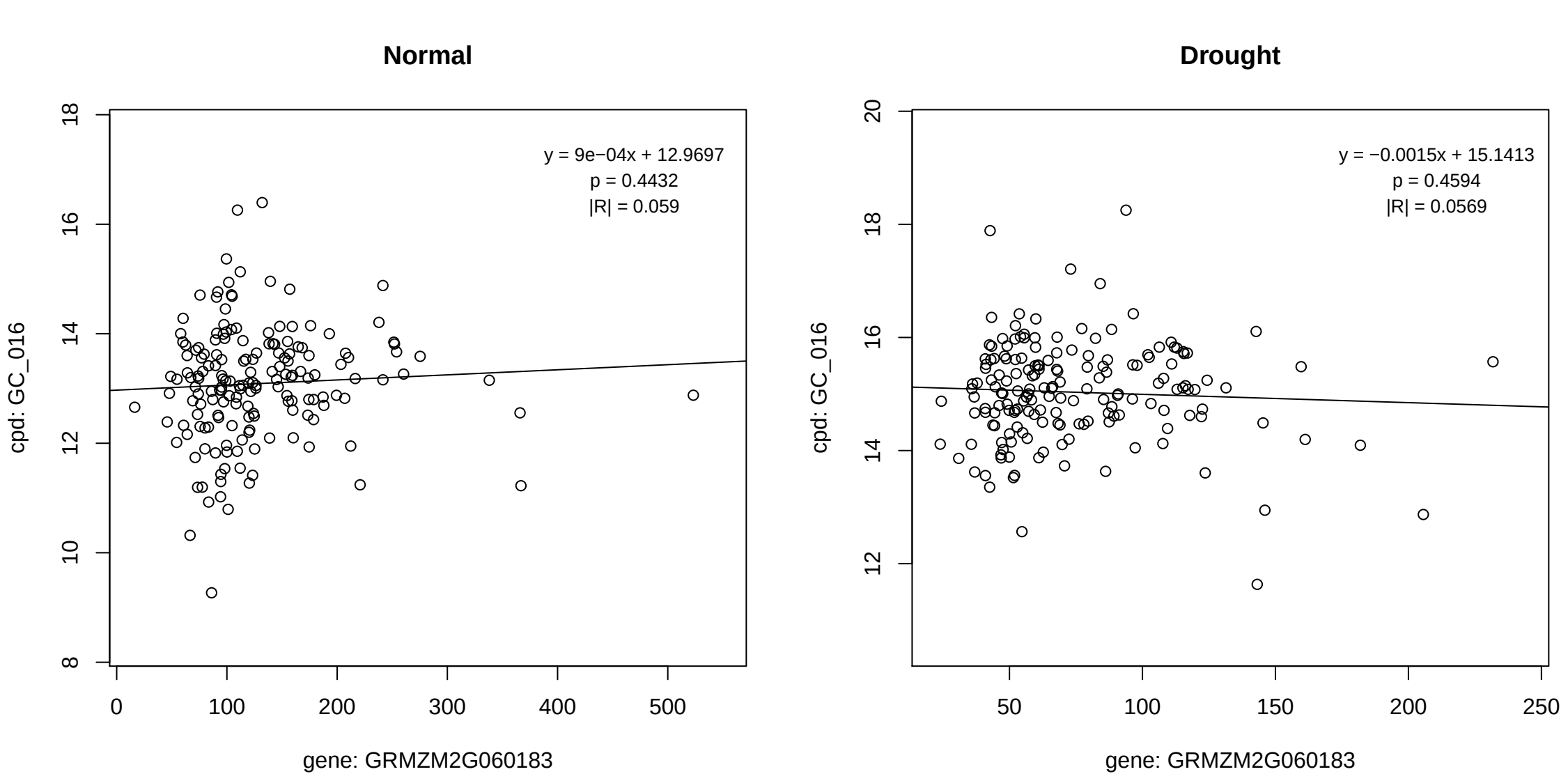

Normal
y = 0x + 19.1482
p = 0.9638
|R| = 0.0035
cpd: GC_048
gene: GRMZM2G037485
Drought
y = 7e−04x + 19.5281
p = 0.6379
|R| = 0.0365
cpd: GC_048
gene: GRMZM2G037485

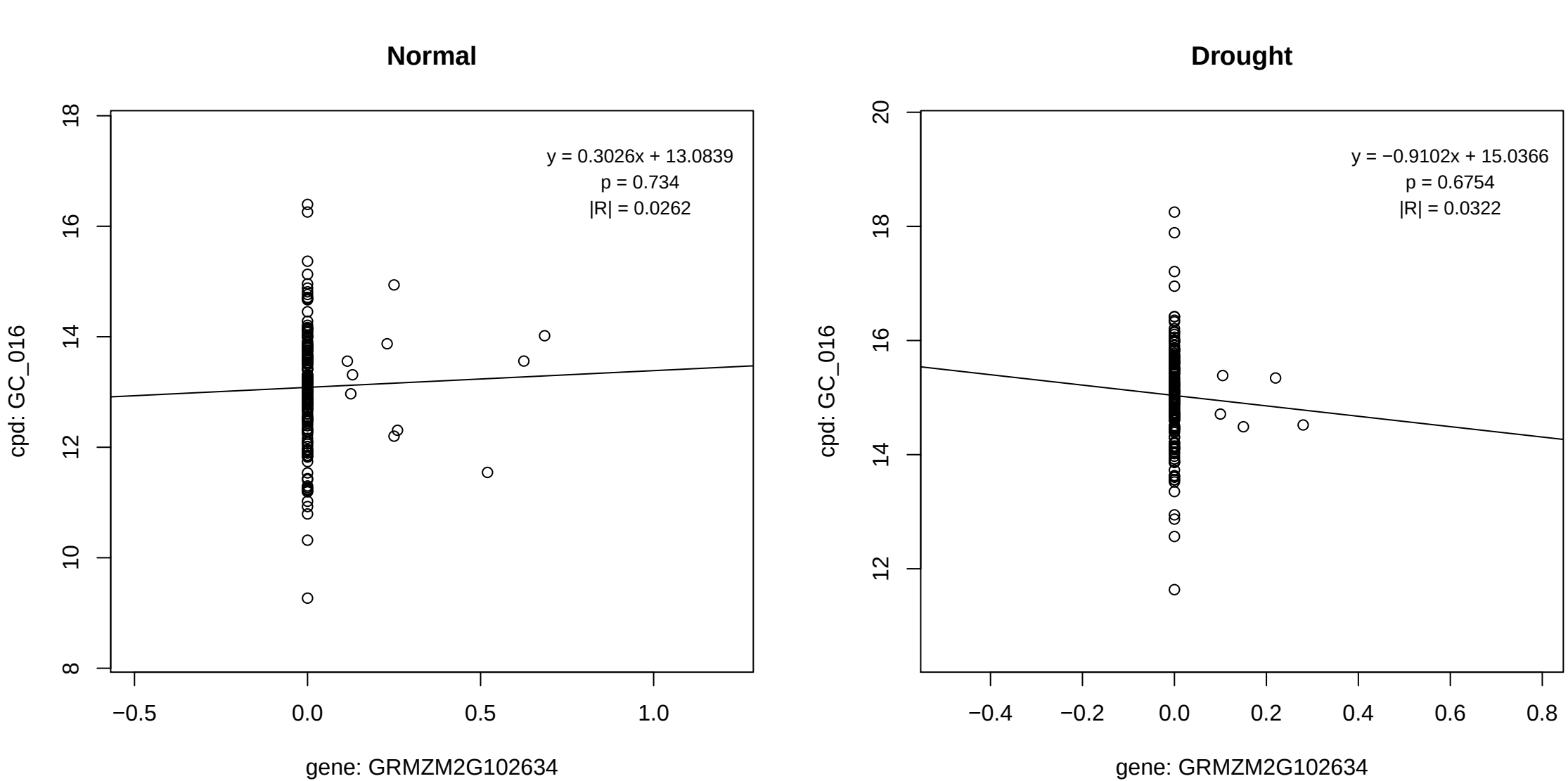

Normal
y = 0.0012x + 19.0978
p = 0.8057
|R| = 0.0189
cpd: GC_048
gene: GRMZM2G180863
Drought
y = 0.0115x + 19.2474
p = 0.0691
|R| = 0.1402
cpd: GC_048
gene: GRMZM2G180863

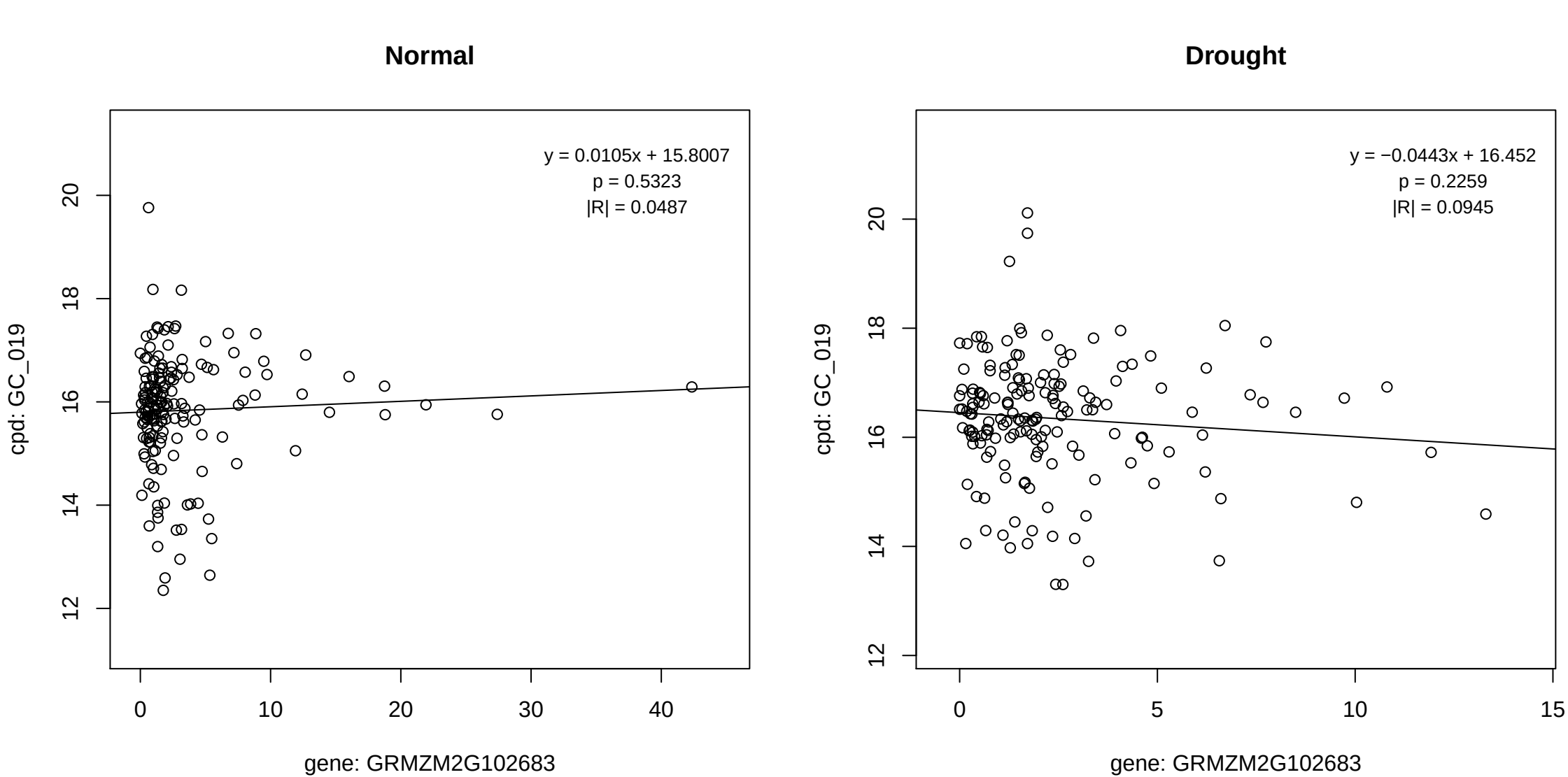

Normal
y = 0.0022x + 19.022
p = 0.4197
|R| = 0.0621
cpd: GC_048
gene: GRMZM2G041022
Drought
y = 0.0042x + 19.4023
p = 0.2639
|R| = 0.0864
cpd: GC_048
gene: GRMZM2G041022

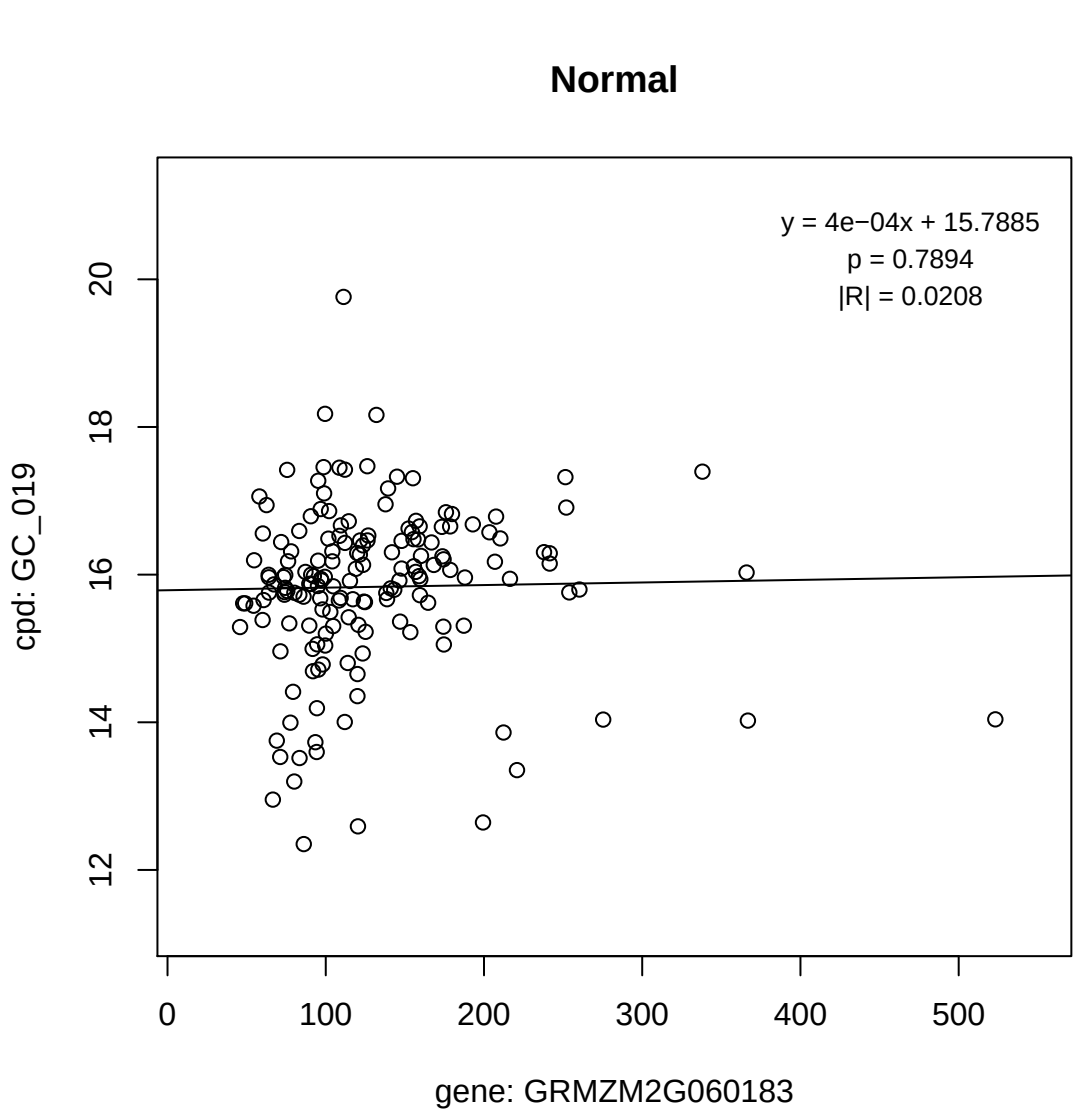

Normal
y = −0.0037x + 19.2619
p = 0.1348
|R| = 0.1148
cpd: GC_048
gene: GRMZM2G041068
Drought
y = 0.0041x + 19.4668
p = 0.0939
|R| = 0.1293
cpd: GC_048
gene: GRMZM2G041068

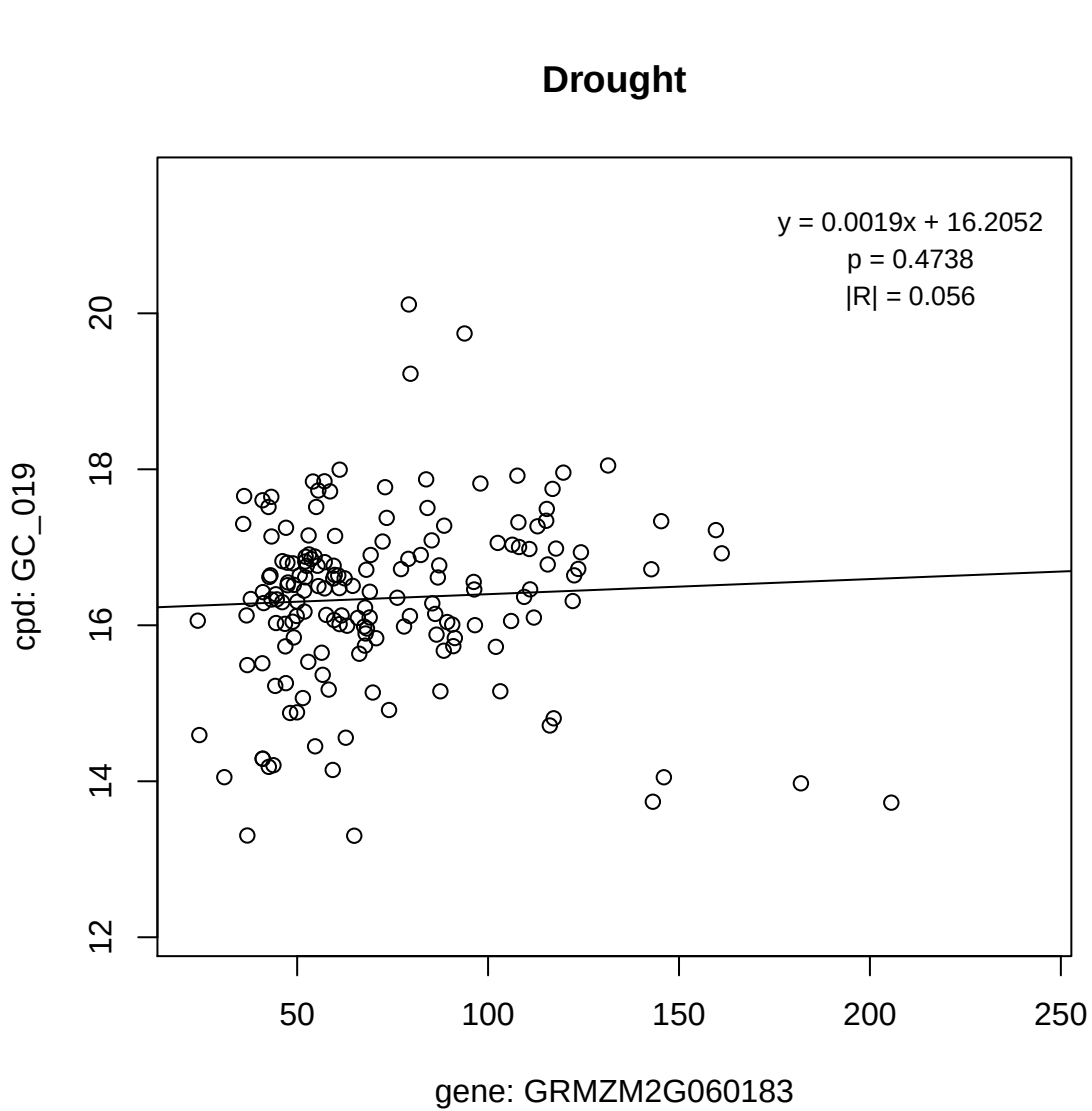

Normal
y = 0.0232x + 13.0169
p = 0.1399
|R| = 0.1134
cpd: GC_016
gene: GRMZM2G102683
Drought
y = 0.0053x + 15.0193
p = 0.8533
|R| = 0.0142
cpd: GC_016
gene: GRMZM2G102683

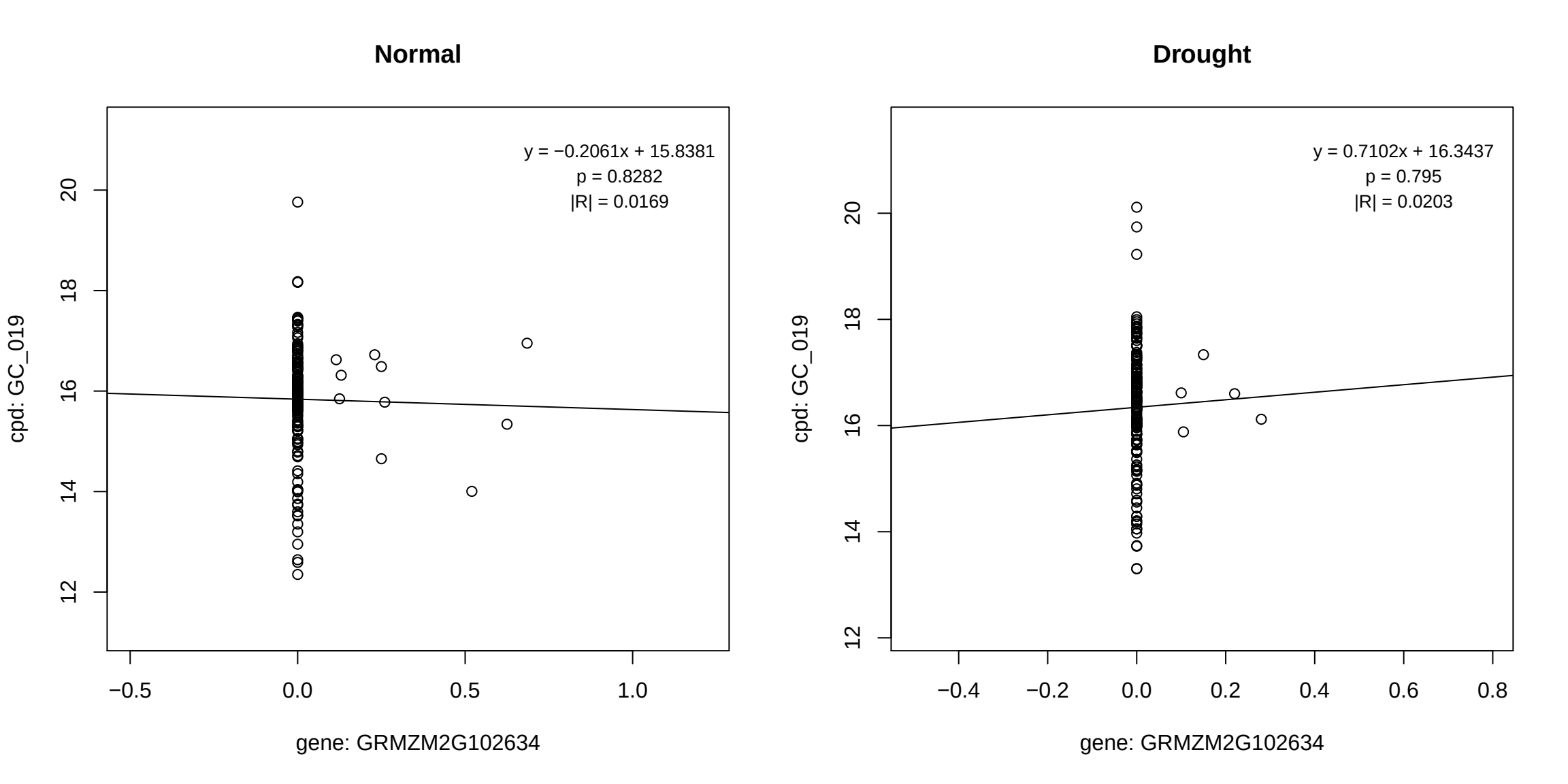

Normal
y = 9e−04x + 12.9697
p = 0.4432
|R| = 0.059
cpd: GC_016
gene: GRMZM2G060183
Drought
y = −0.0015x + 15.1413
p = 0.4594
|R| = 0.0569
cpd: GC_016
gene: GRMZM2G060183

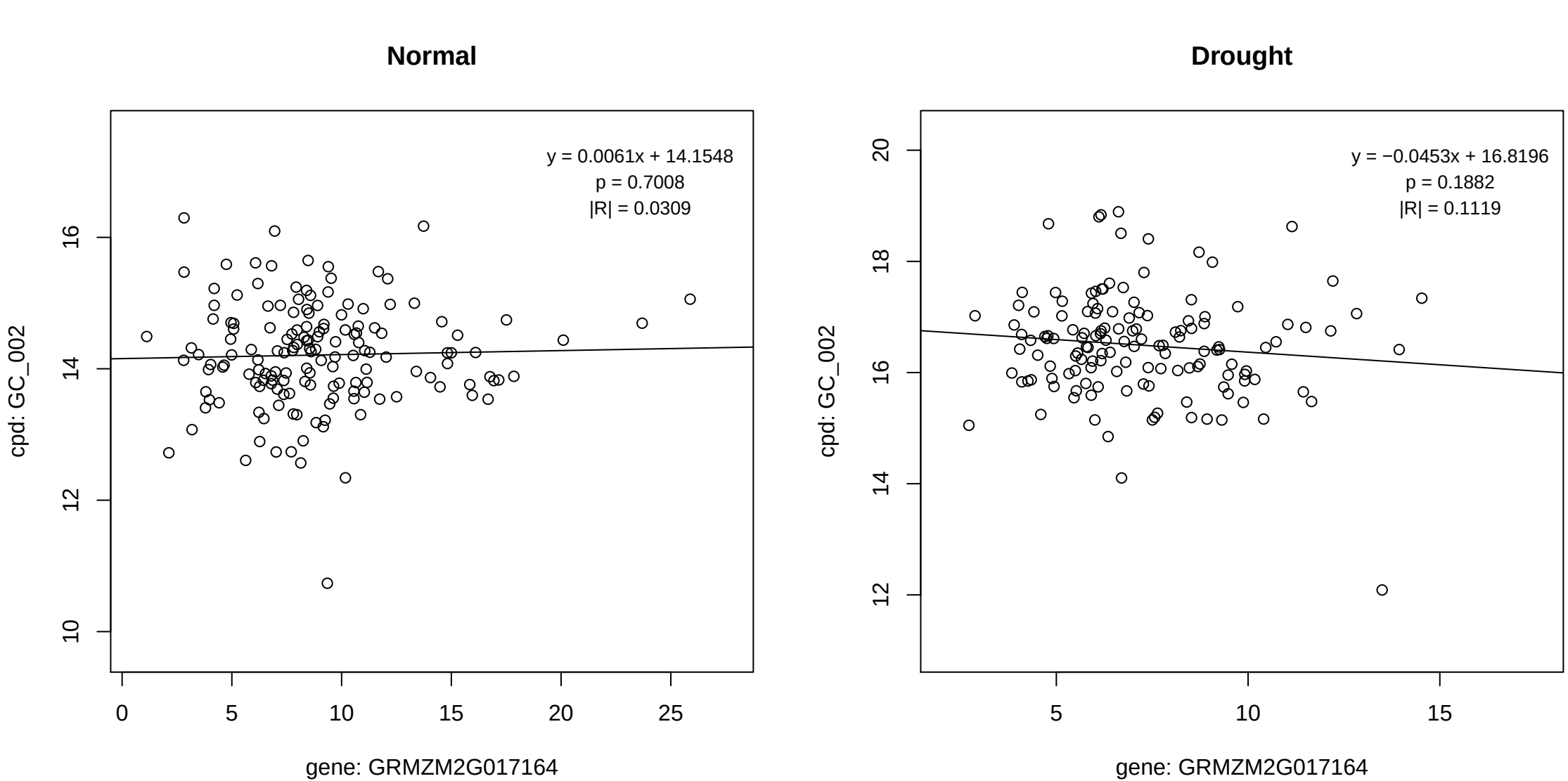

Normal
y = 0.3026x + 13.0839
p = 0.734
|R| = 0.0262
cpd: GC_016
gene: GRMZM2G102634
Drought
y = −0.9102x + 15.0366
p = 0.6754
|R| = 0.0322
cpd: GC_016
gene: GRMZM2G102634

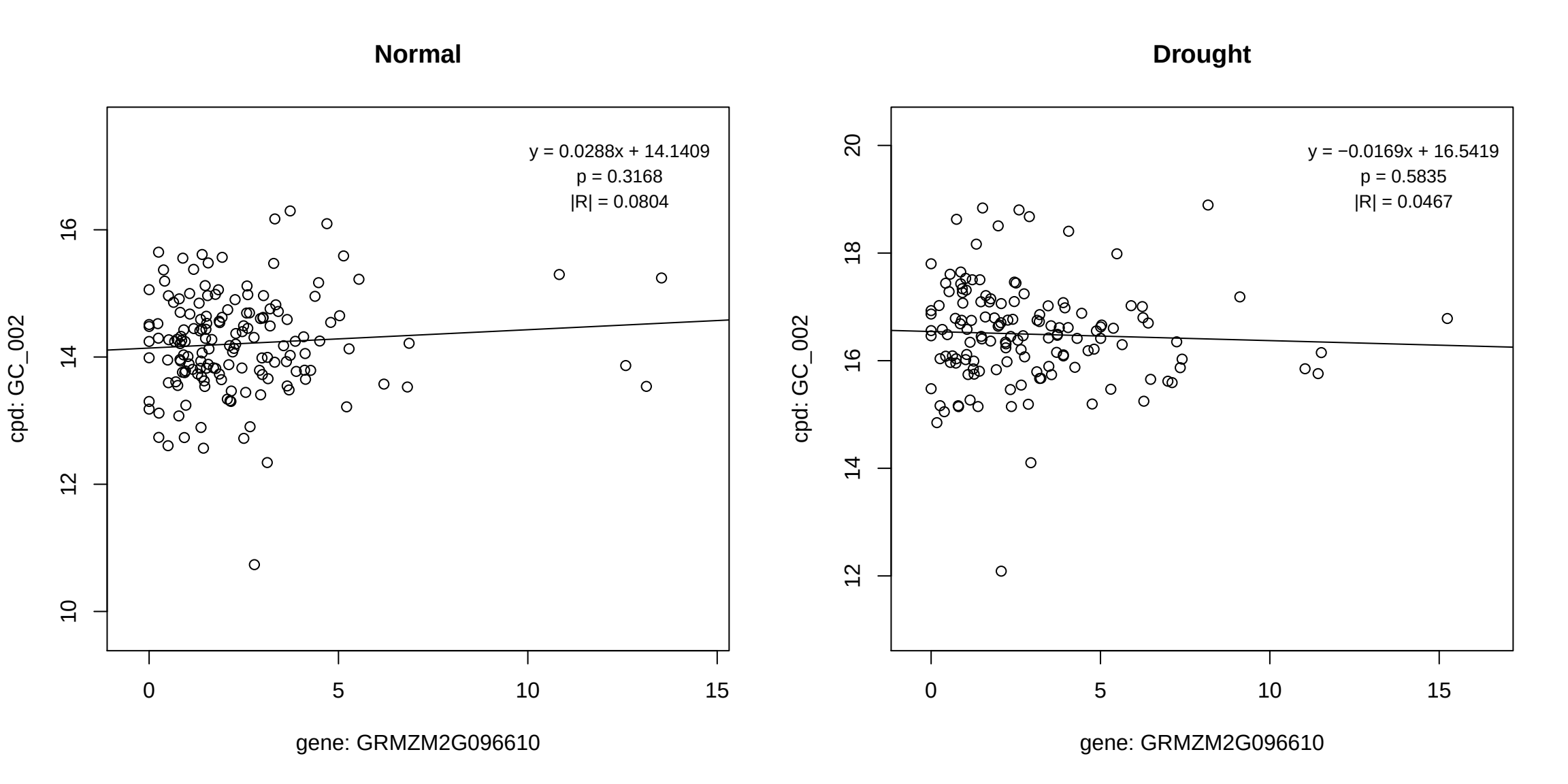

Normal
y = 0.0105x + 15.8007
p = 0.5323
|R| = 0.0487
cpd: GC_019
gene: GRMZM2G102683
Drought
y = −0.0443x + 16.452
p = 0.2259
|R| = 0.0945
cpd: GC_019
gene: GRMZM2G102683

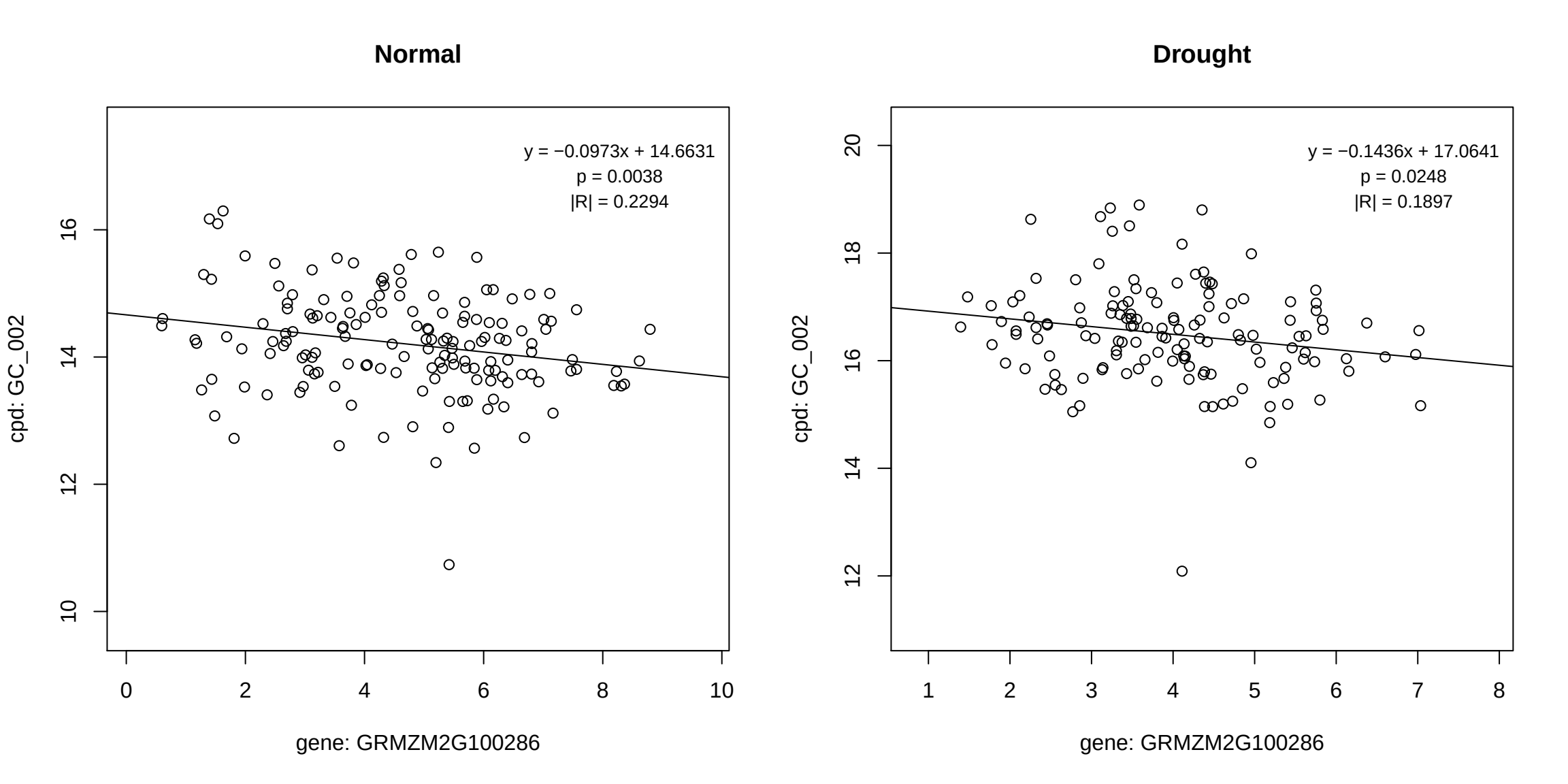

Normal
y = 4e−04x + 15.7885
p = 0.7894
|R| = 0.0208
cpd: GC_019
gene: GRMZM2G060183
12
14
16
18
20
0
100
200
300
400
500

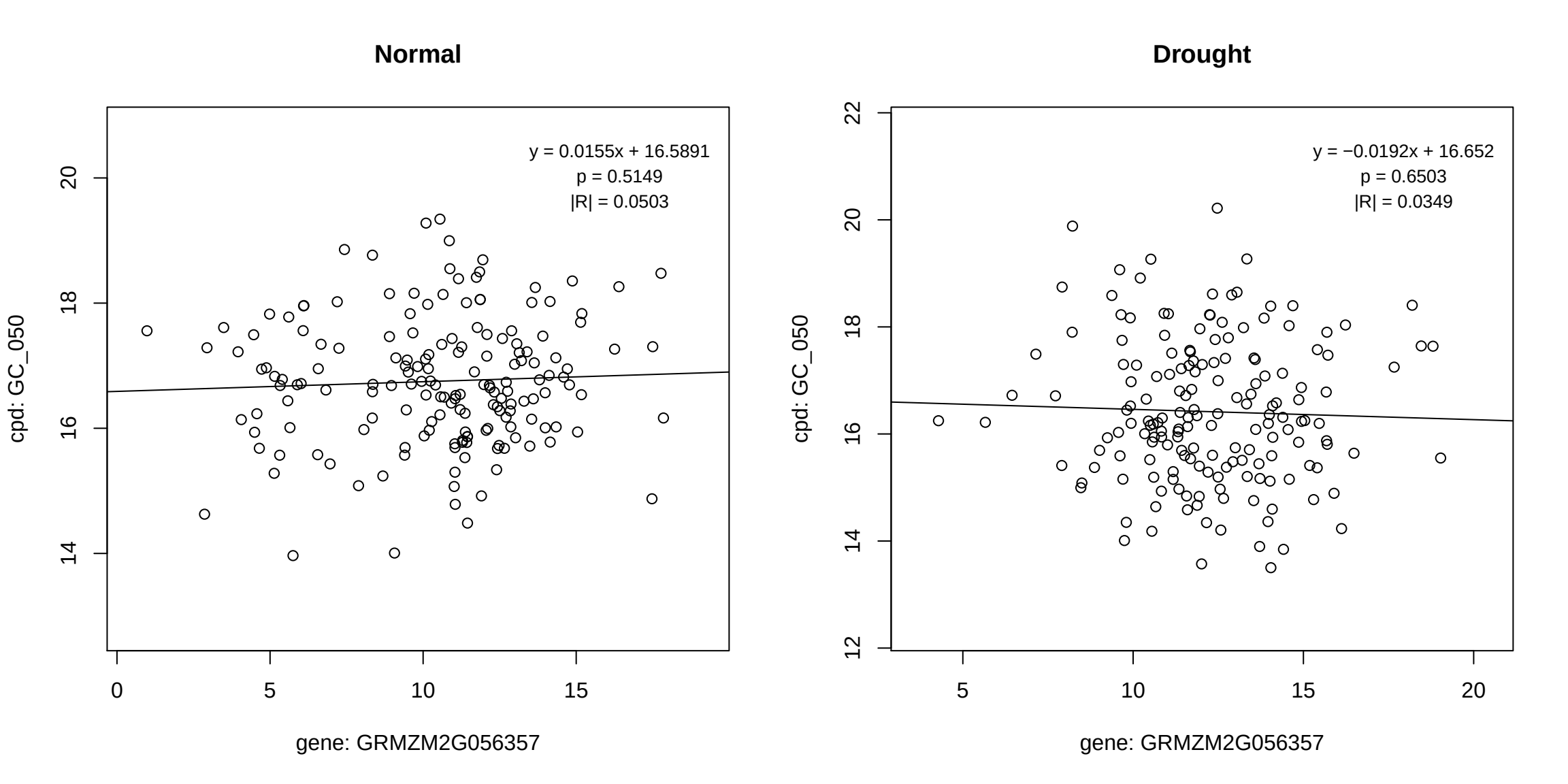

Drought
y = 0.0019x + 16.2052
p = 0.4738
|R| = 0.056
cpd: GC_019
gene: GRMZM2G060183
12
14
16
18
20
50
100
150
200
250

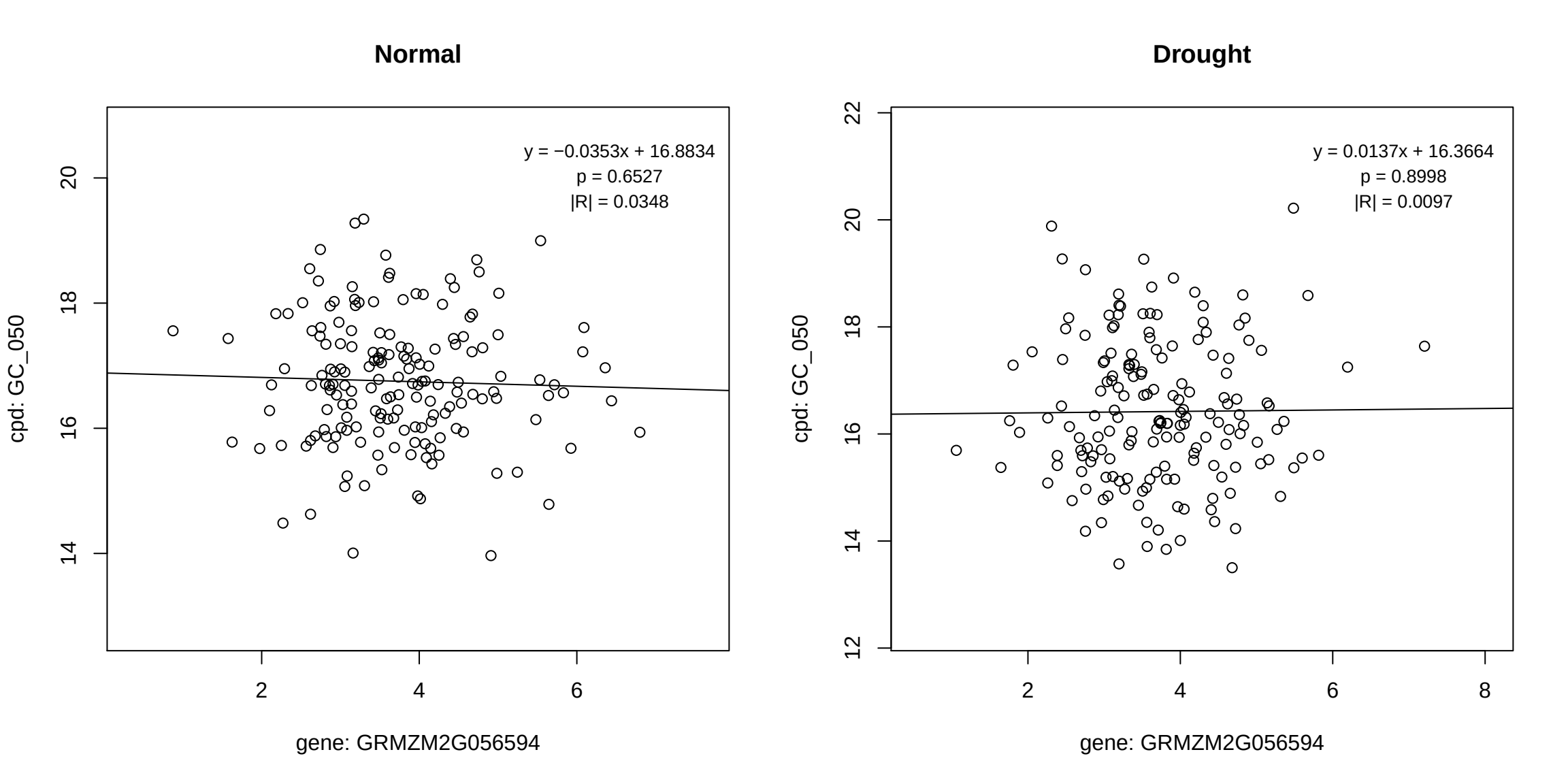

Normal
y = −0.2061x + 15.8381
p = 0.8282
|R| = 0.0169
cpd: GC_019
gene: GRMZM2G102634
Drought
y = 0.7102x + 16.3437
p = 0.795
|R| = 0.0203
cpd: GC_019
gene: GRMZM2G102634

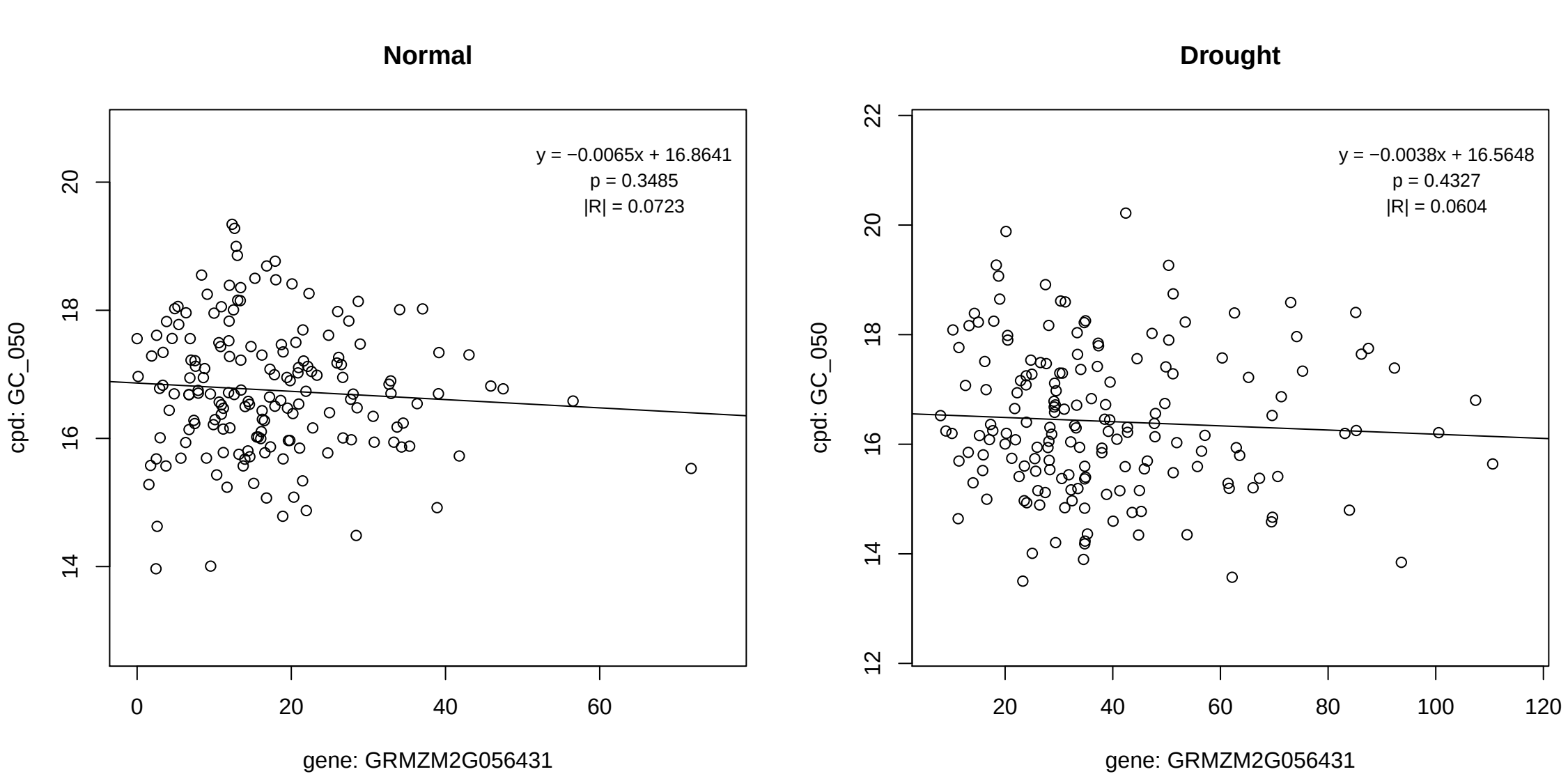

Normal
y = 0.0061x + 14.1548
p = 0.7008
|R| = 0.0309
cpd: GC_002
gene: GRMZM2G017164
Drought
y = −0.0453x + 16.8196
p = 0.1882
|R| = 0.1119
cpd: GC_002
gene: GRMZM2G017164

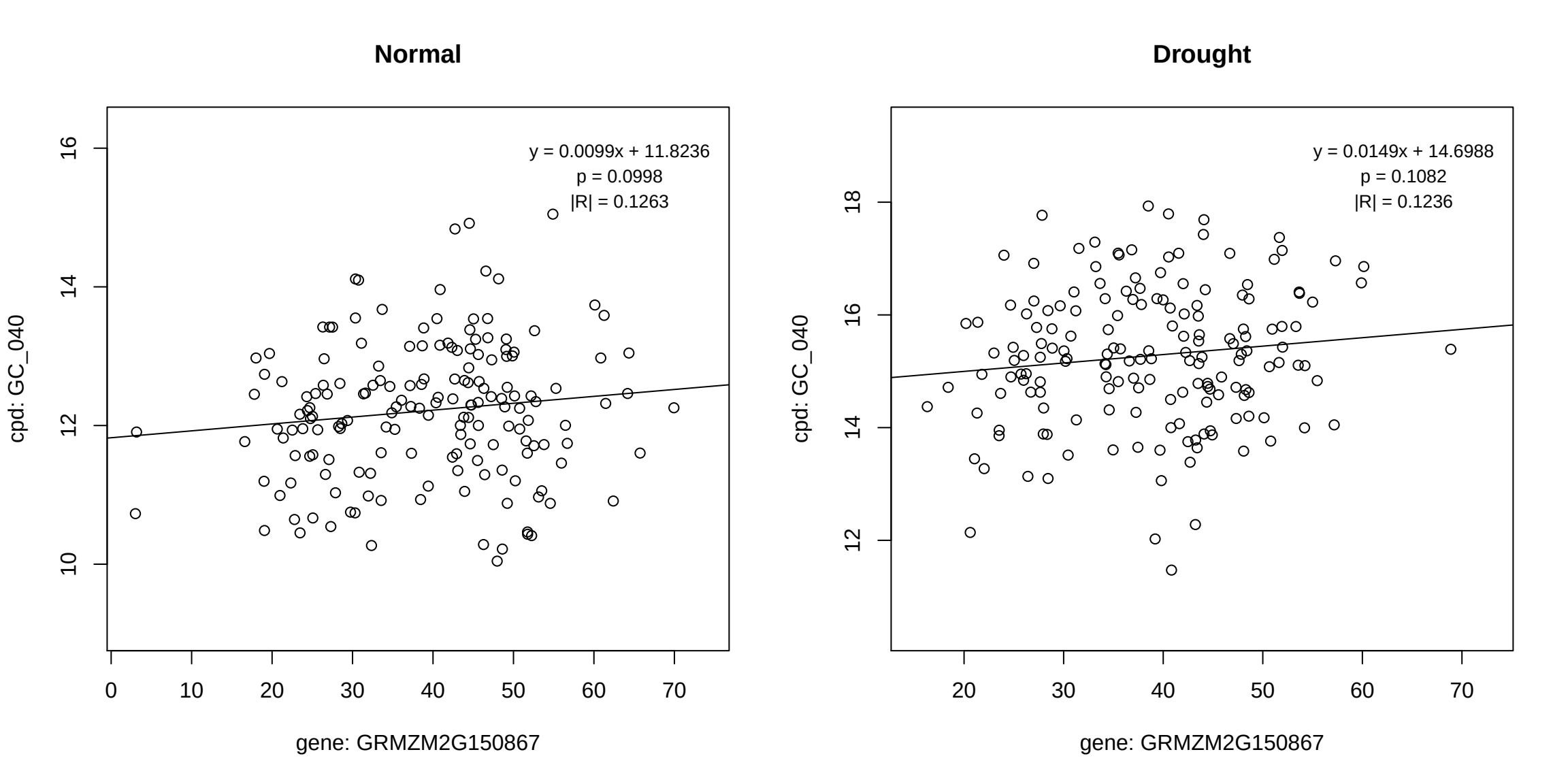

Normal
y = 0.0288x + 14.1409
p = 0.3168
|R| = 0.0804
cpd: GC_002
gene: GRMZM2G096610
Drought
y = −0.0169x + 16.5419
p = 0.5835
|R| = 0.0467
cpd: GC_002
gene: GRMZM2G096610

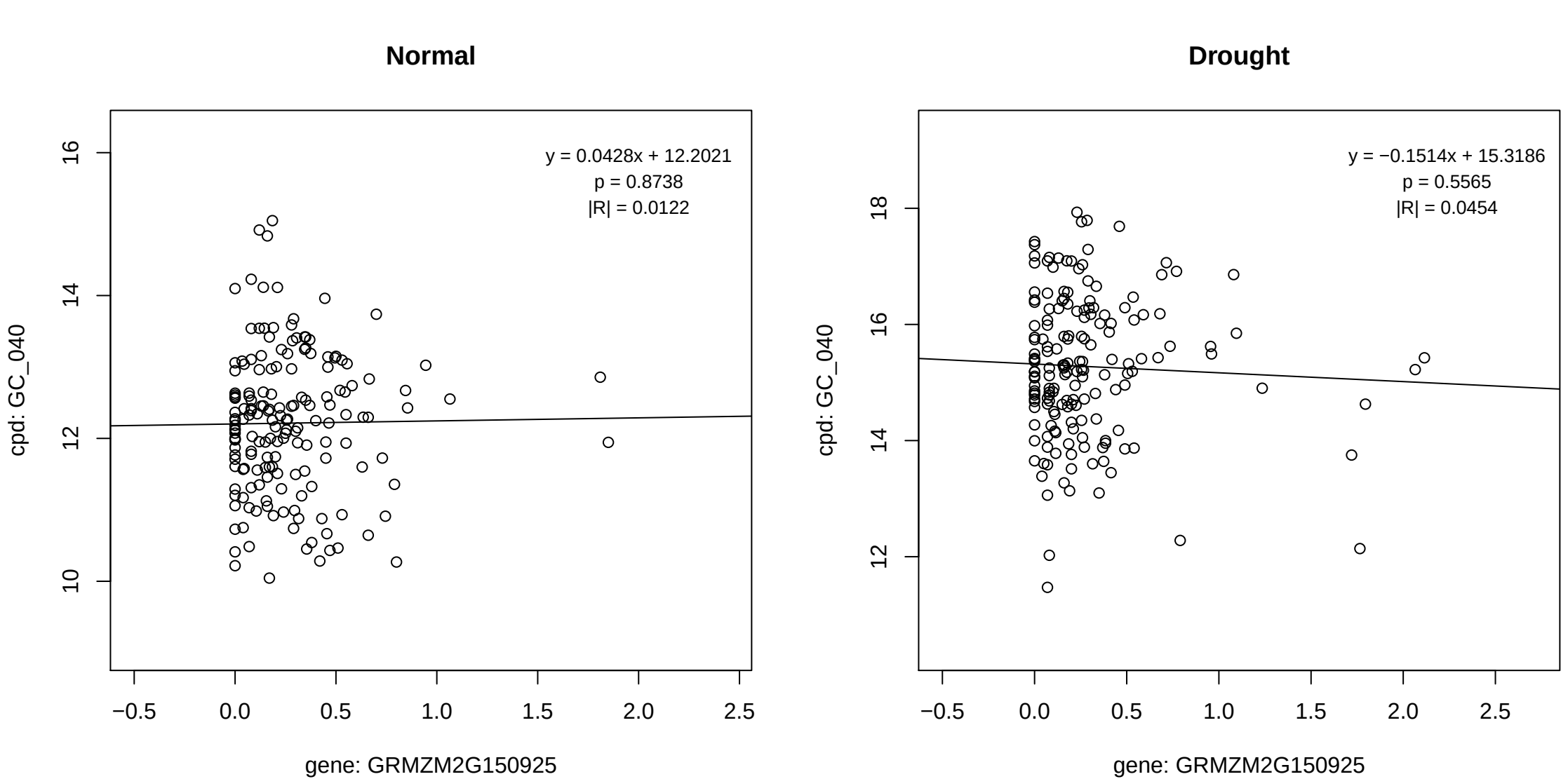

Normal
y = −0.0973x + 14.6631
p = 0.0038
|R| = 0.2294
cpd: GC_002
gene: GRMZM2G100286
Drought
y = −0.1436x + 17.0641
p = 0.0248
|R| = 0.1897
cpd: GC_002
gene: GRMZM2G100286

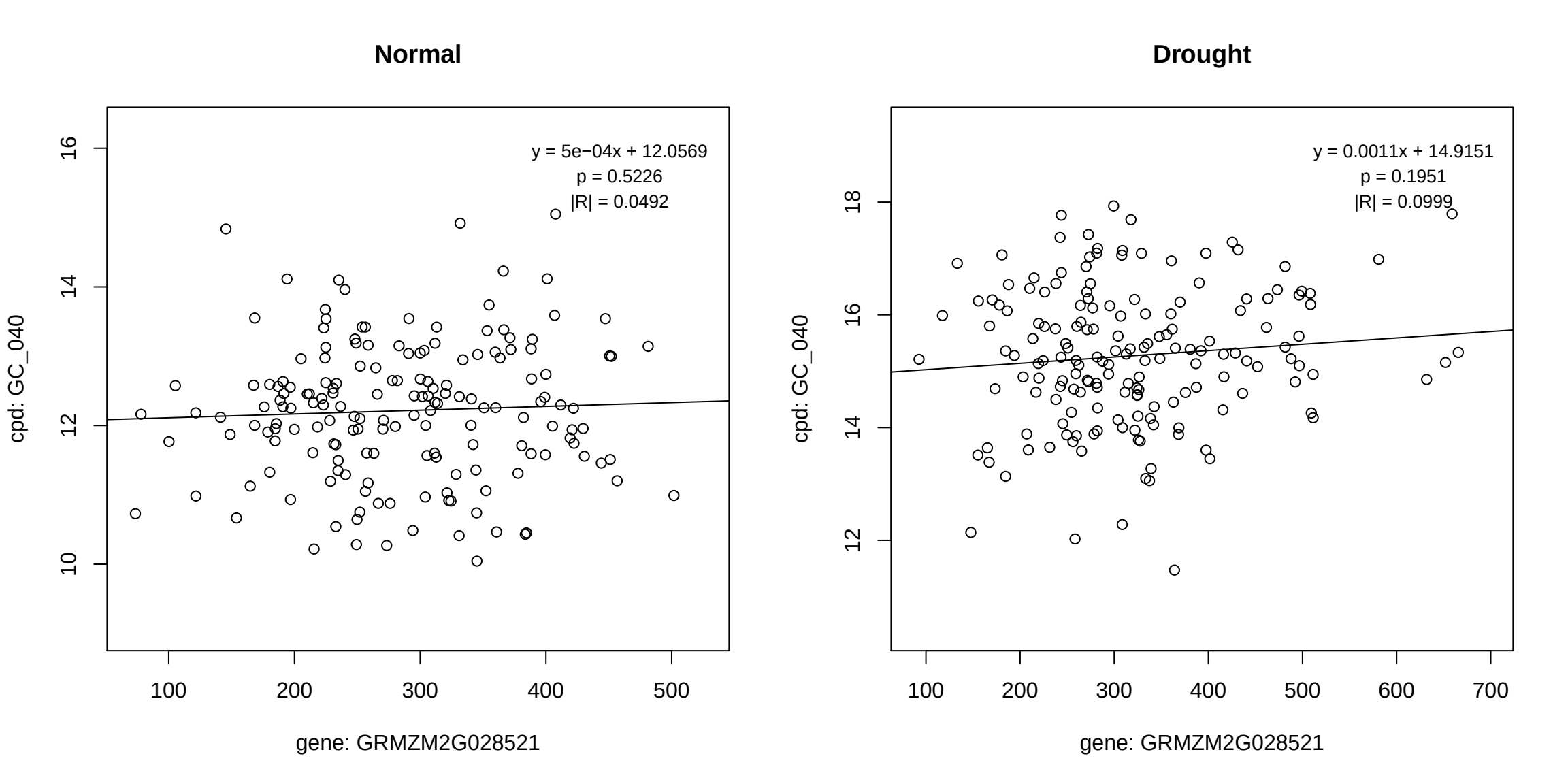

Normal
y = 0.0155x + 16.5891
p = 0.5149
|R| = 0.0503
cpd: GC_050
gene: GRMZM2G056357
Drought
y = −0.0192x + 16.652
p = 0.6503
|R| = 0.0349
cpd: GC_050
gene: GRMZM2G056357

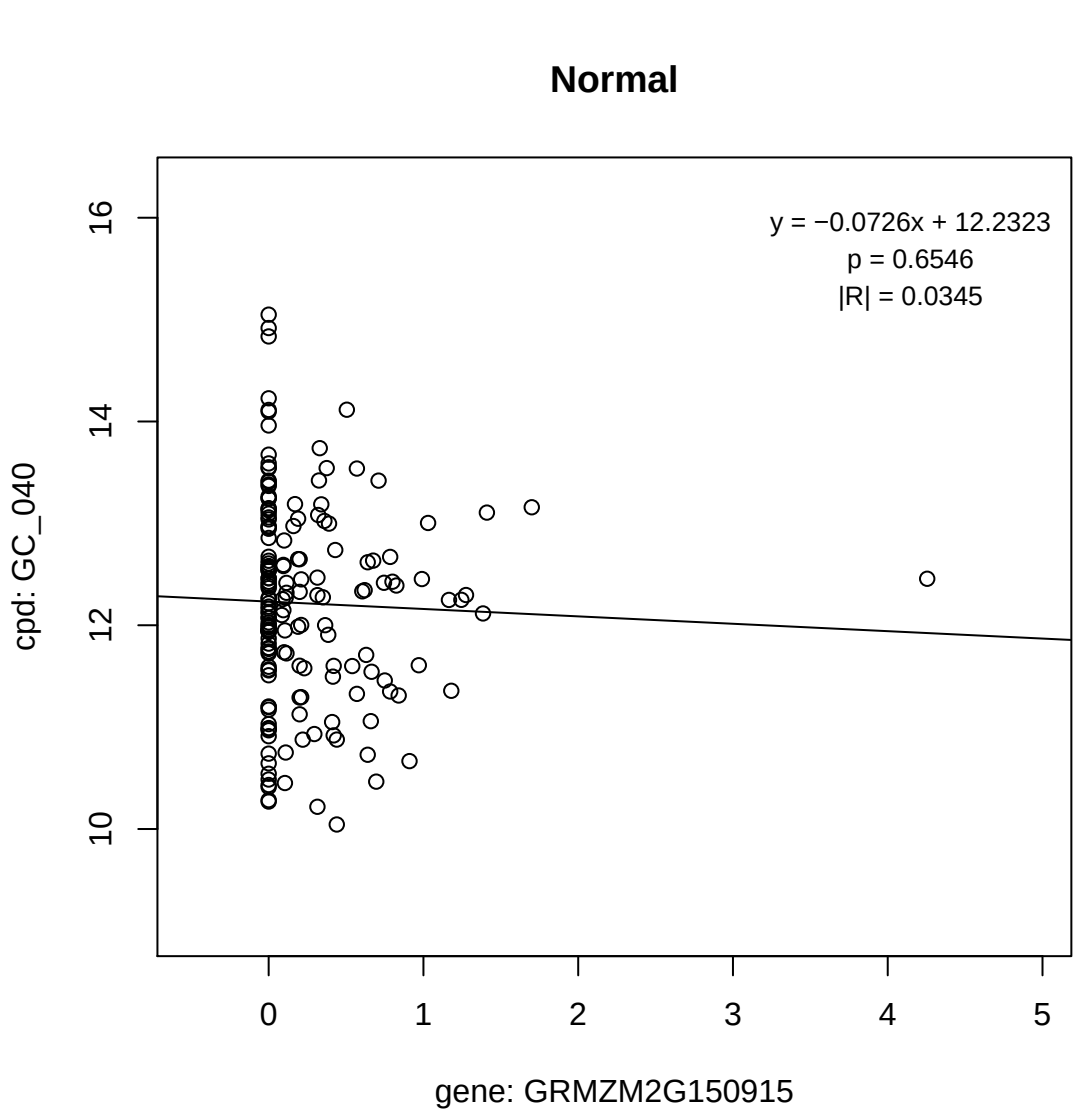

Normal
y = −0.0353x + 16.8834
p = 0.6527
|R| = 0.0348
cpd: GC_050
gene: GRMZM2G056594
Drought
y = 0.0137x + 16.3664
p = 0.8998
|R| = 0.0097
cpd: GC_050
gene: GRMZM2G056594

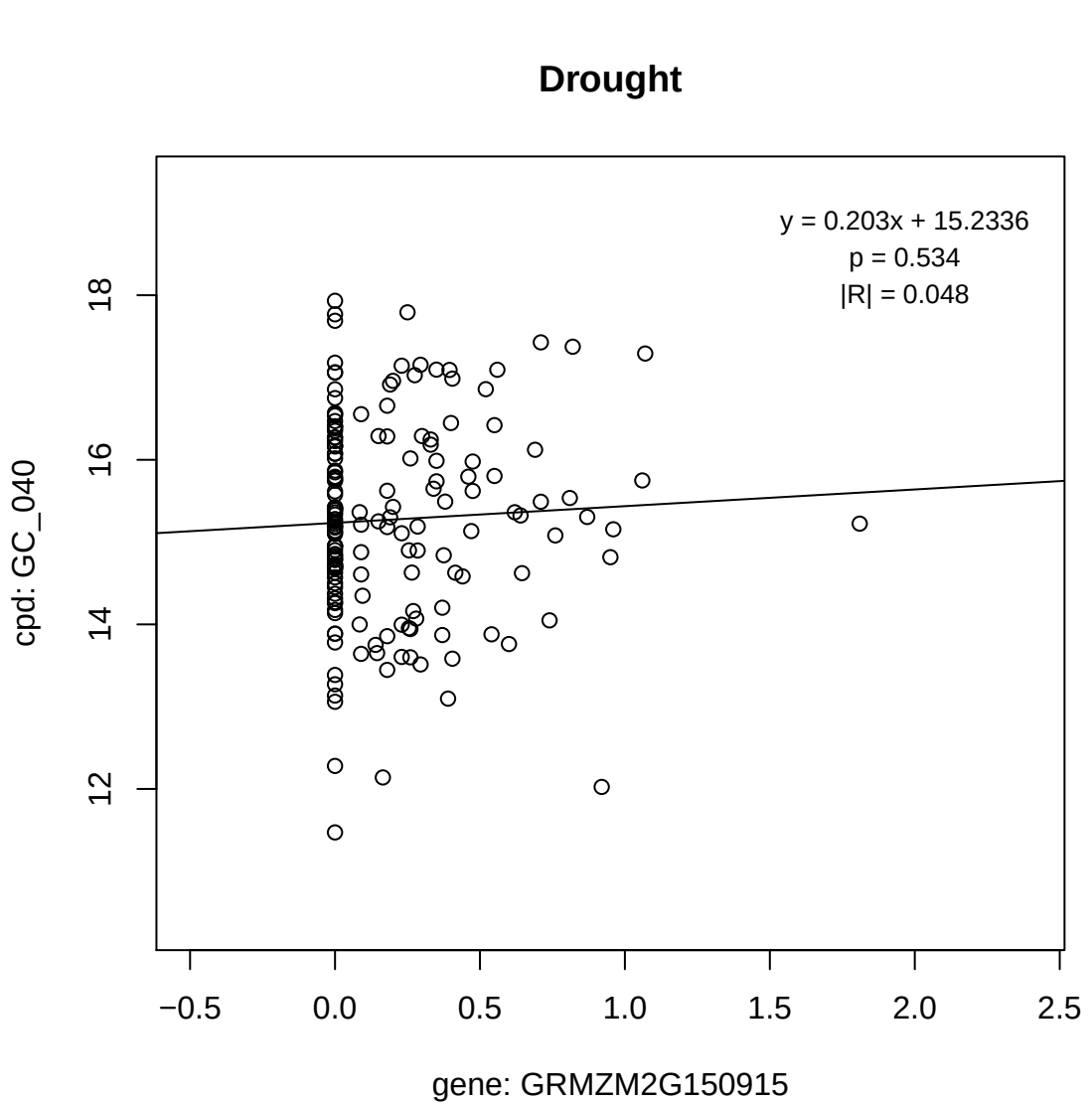

Normal
y = −0.0065x + 16.8641
p = 0.3485
|R| = 0.0723
cpd: GC_050
gene: GRMZM2G056431
Drought
y = −0.0038x + 16.5648
p = 0.4327
|R| = 0.0604
cpd: GC_050
gene: GRMZM2G056431

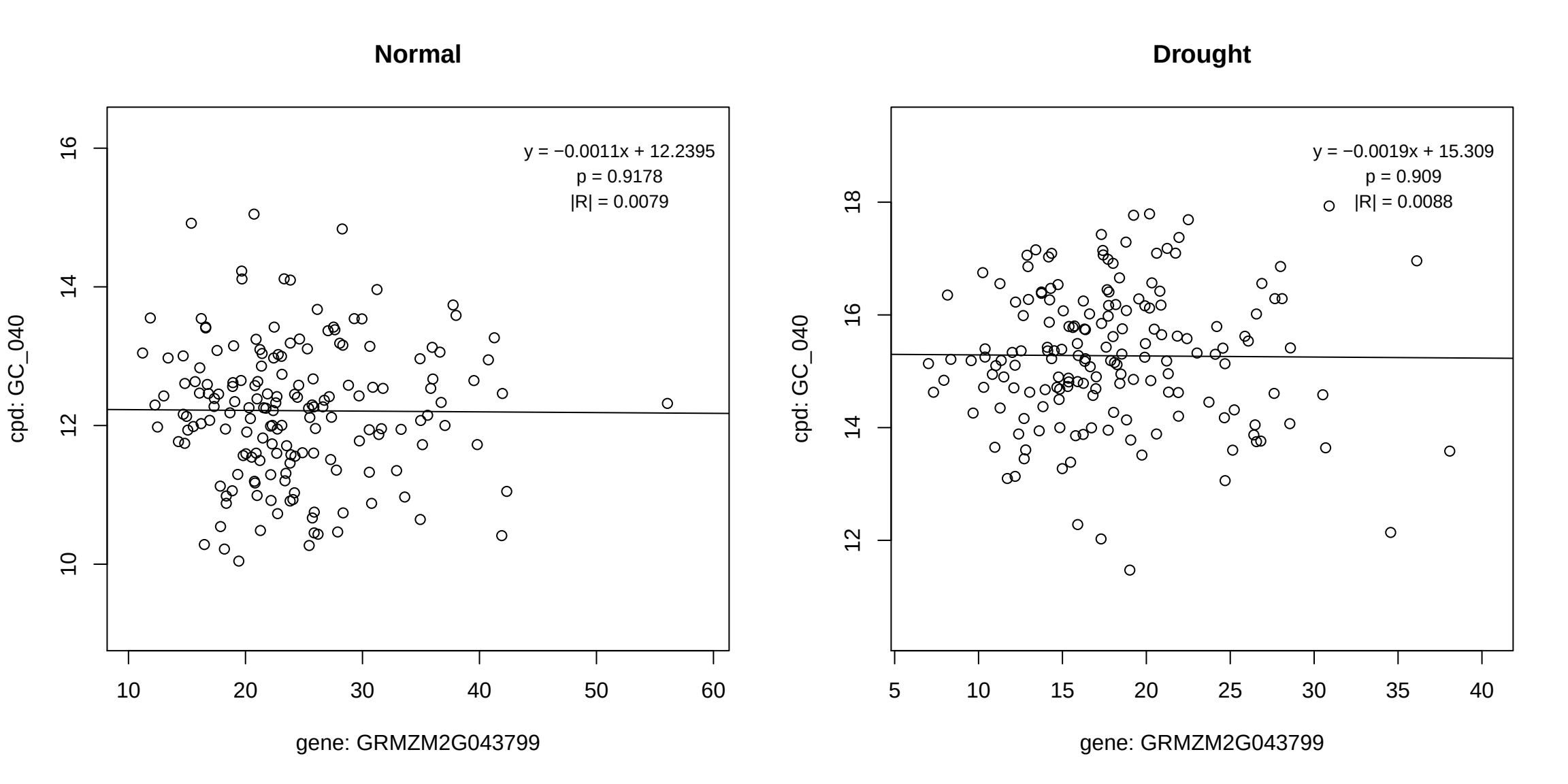

Normal
y = 0.0099x + 11.8236
p = 0.0998
|R| = 0.1263
cpd: GC_040
gene: GRMZM2G150867
Drought
y = 0.0149x + 14.6988
p = 0.1082
|R| = 0.1236
cpd: GC_040
gene: GRMZM2G150867

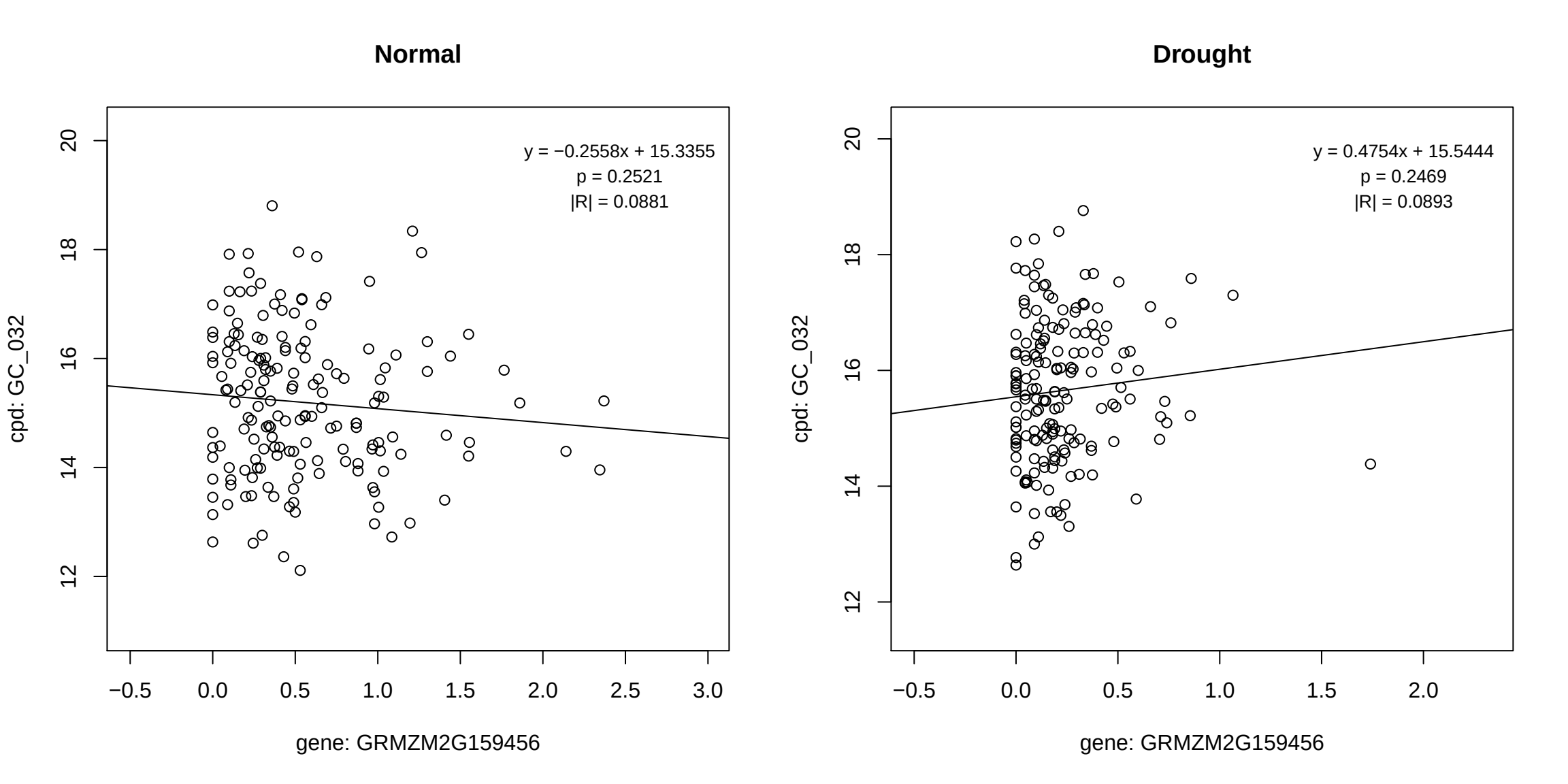

Normal
y = 0.0428x + 12.2021
p = 0.8738
|R| = 0.0122
cpd: GC_040
gene: GRMZM2G150925
Drought
y = −0.1514x + 15.3186
p = 0.5565
|R| = 0.0454
cpd: GC_040
gene: GRMZM2G150925

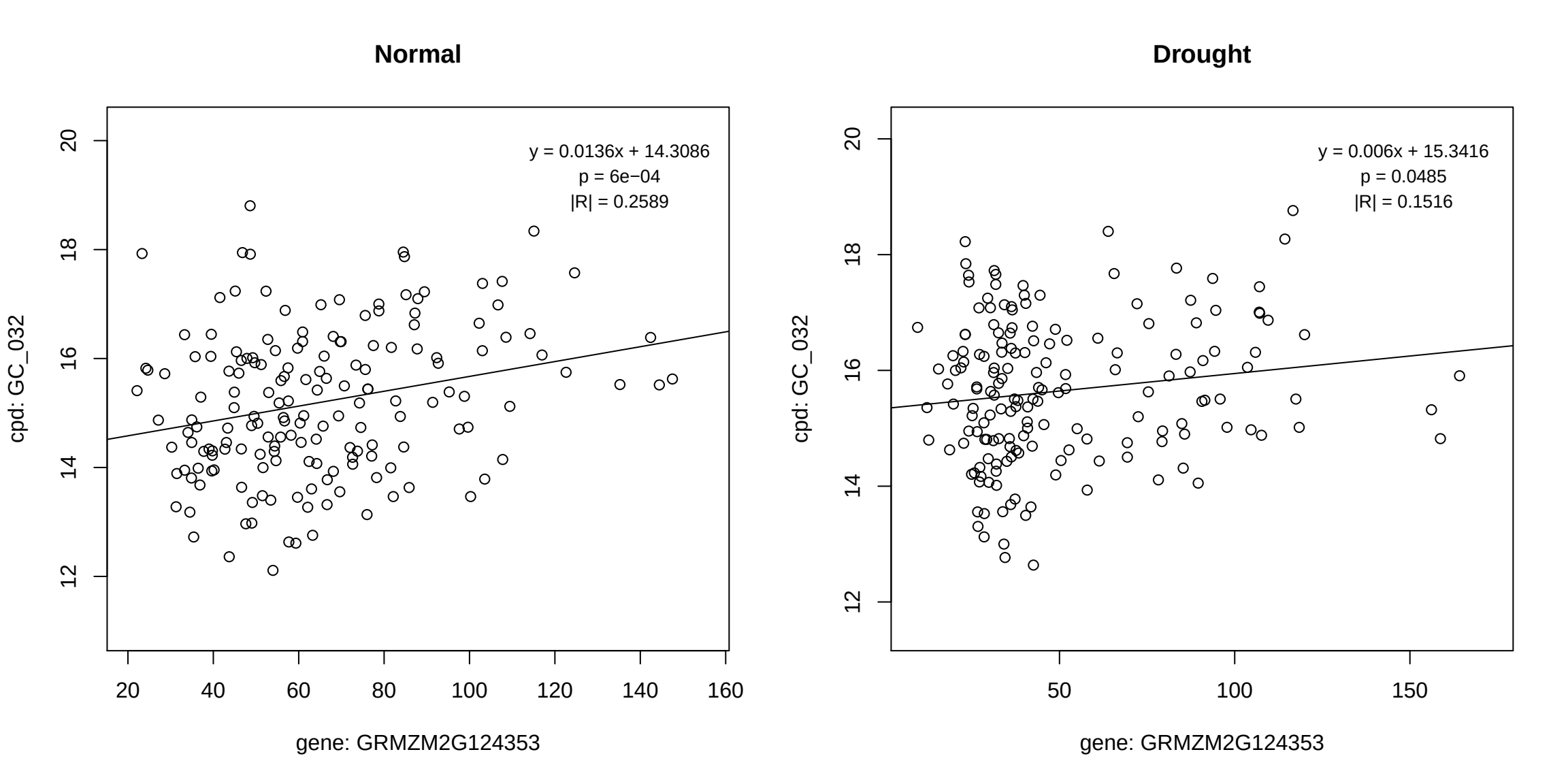

Normal
y = 5e−04x + 12.0569
p = 0.5226
|R| = 0.0492
cpd: GC_040
gene: GRMZM2G028521
Drought
y = 0.0011x + 14.9151
p = 0.1951
|R| = 0.0999
cpd: GC_040
gene: GRMZM2G028521

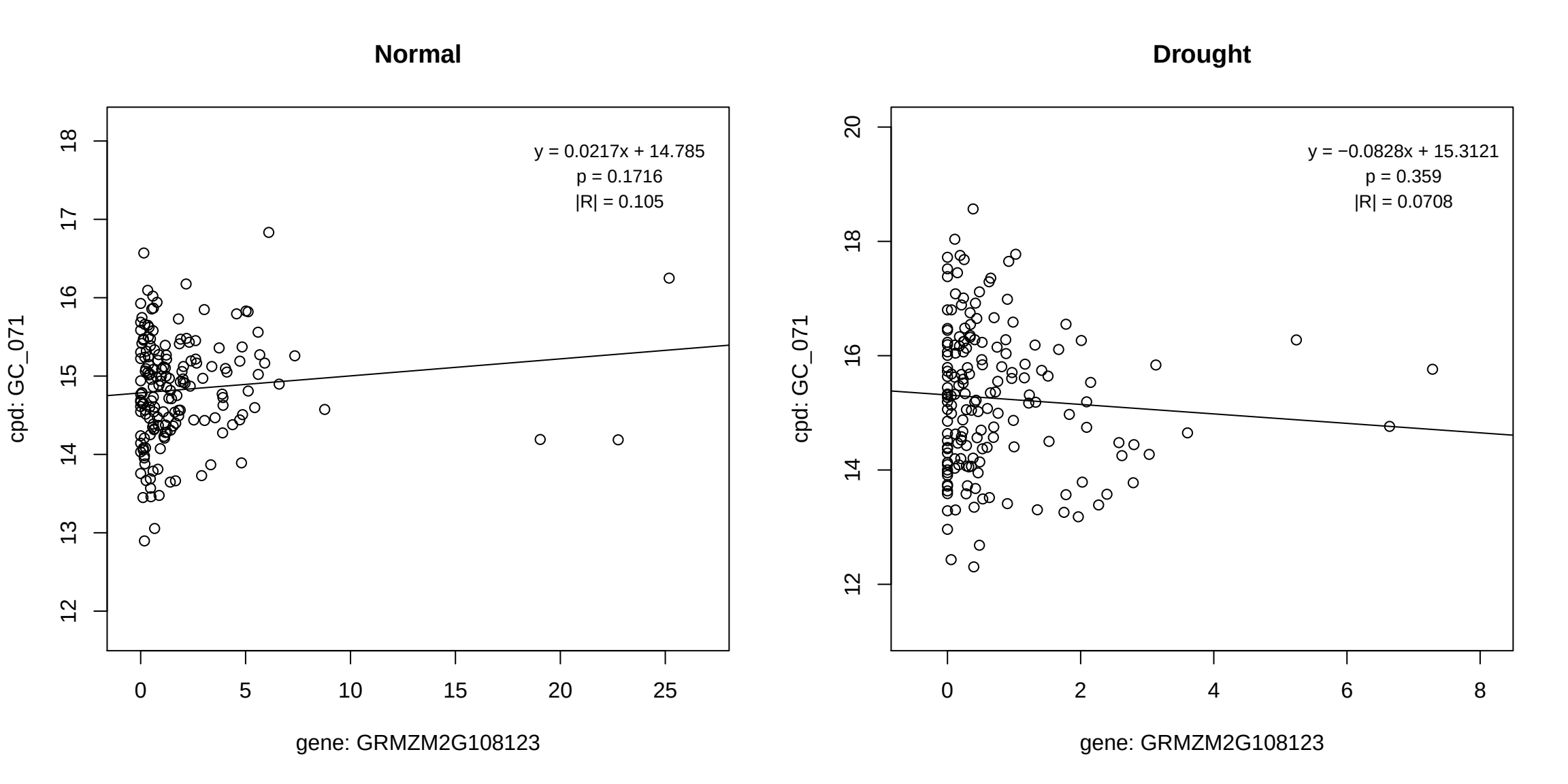

Normal
y = −0.0726x + 12.2323
p = 0.6546
|R| = 0.0345
cpd: GC_040
gene: GRMZM2G150915
10
12
14
16
0
1
2
3
4
5

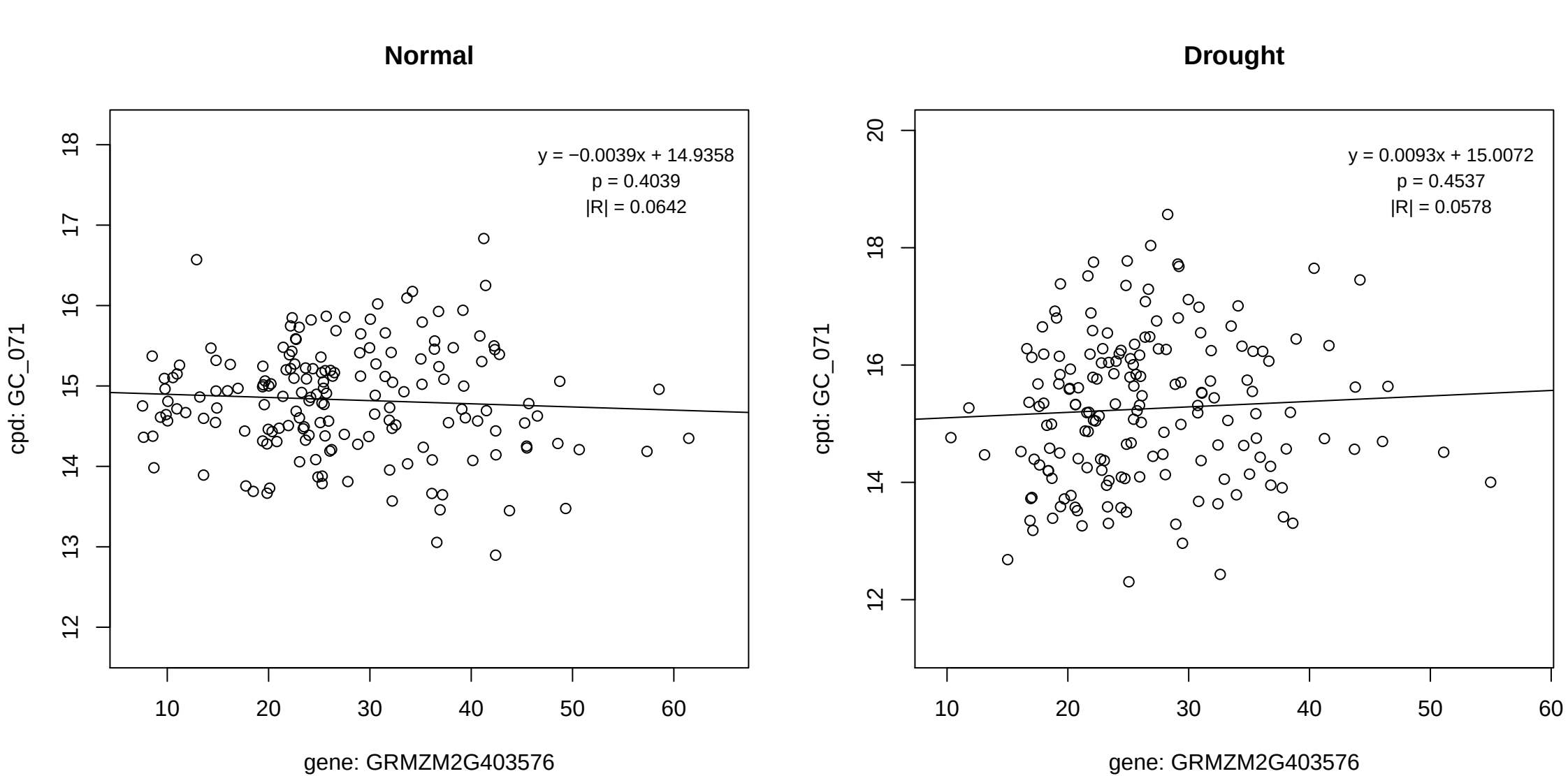

Drought
y = 0.203x + 15.2336
p = 0.534
|R| = 0.048
cpd: GC_040
gene: GRMZM2G150915
12
14
16
18
−0.5
0.0
0.5
1.0
1.5
2.0
2.5

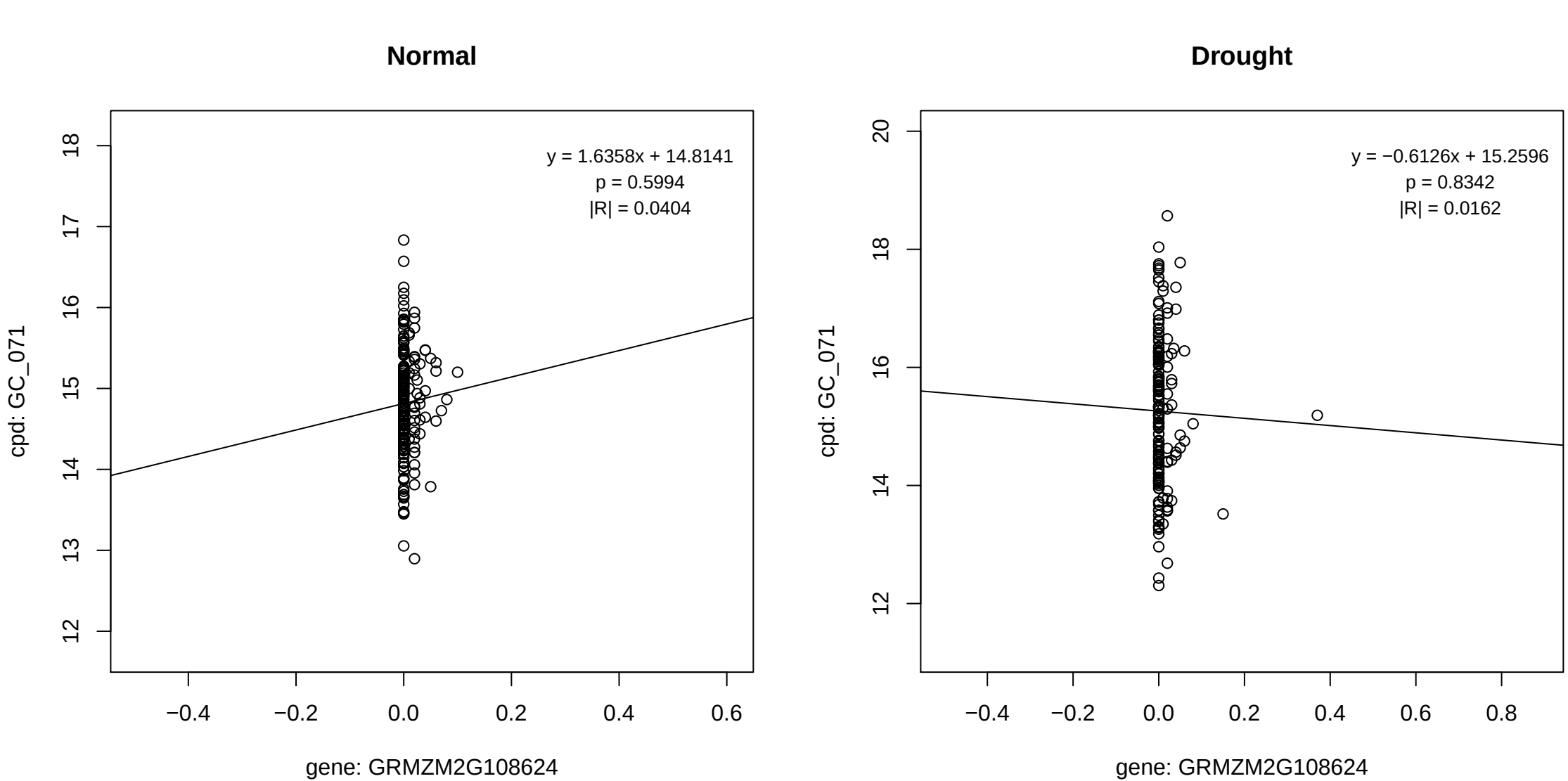

Normal
y = −0.0011x + 12.2395
p = 0.9178
|R| = 0.0079
cpd: GC_040
gene: GRMZM2G043799
Drought
y = −0.0019x + 15.309
p = 0.909
|R| = 0.0088
cpd: GC_040
gene: GRMZM2G043799

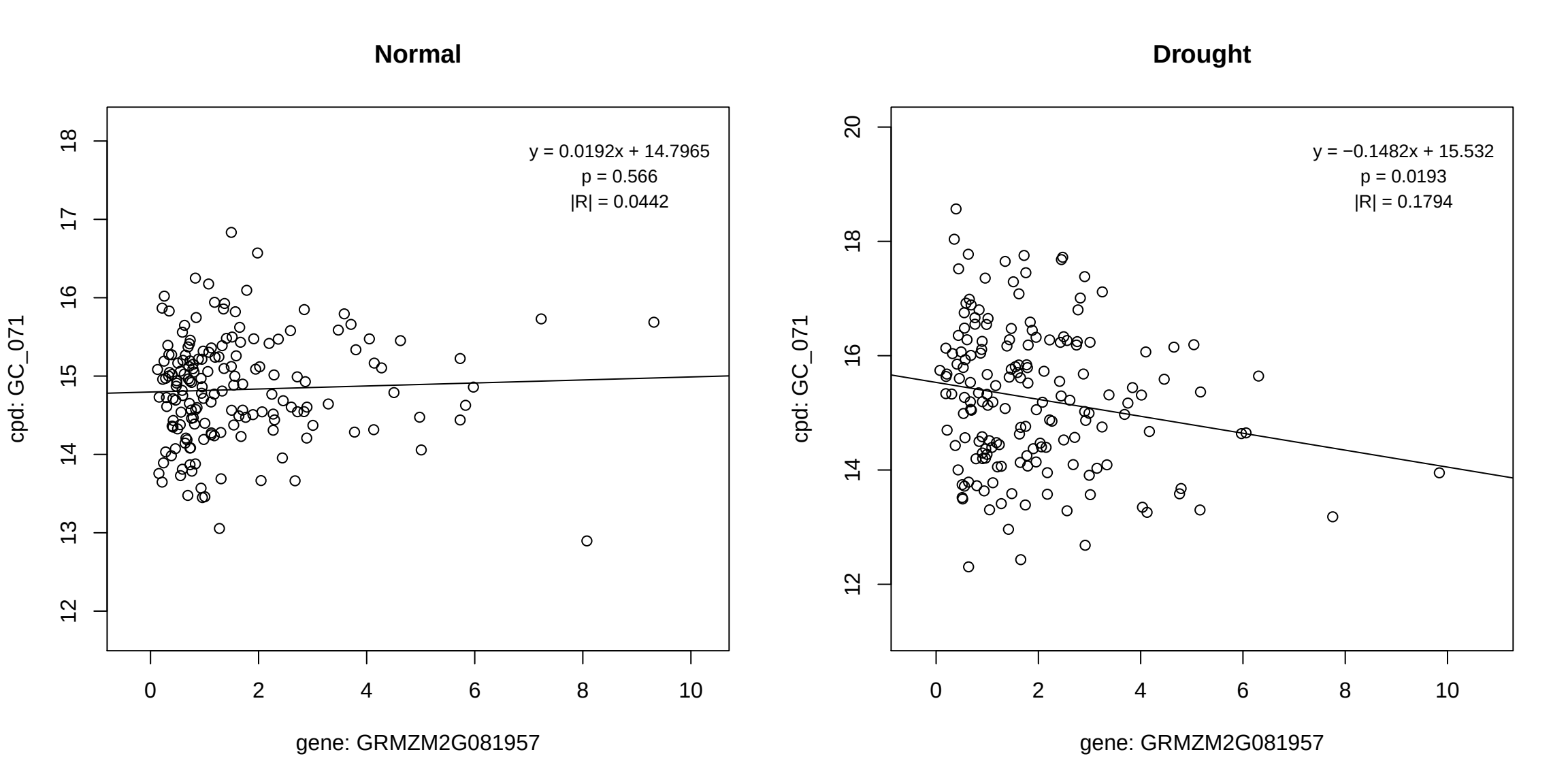

Normal
y = −0.2558x + 15.3355
p = 0.2521
|R| = 0.0881
cpd: GC_032
gene: GRMZM2G159456
Drought
y = 0.4754x + 15.5444
p = 0.2469
|R| = 0.0893
cpd: GC_032
gene: GRMZM2G159456

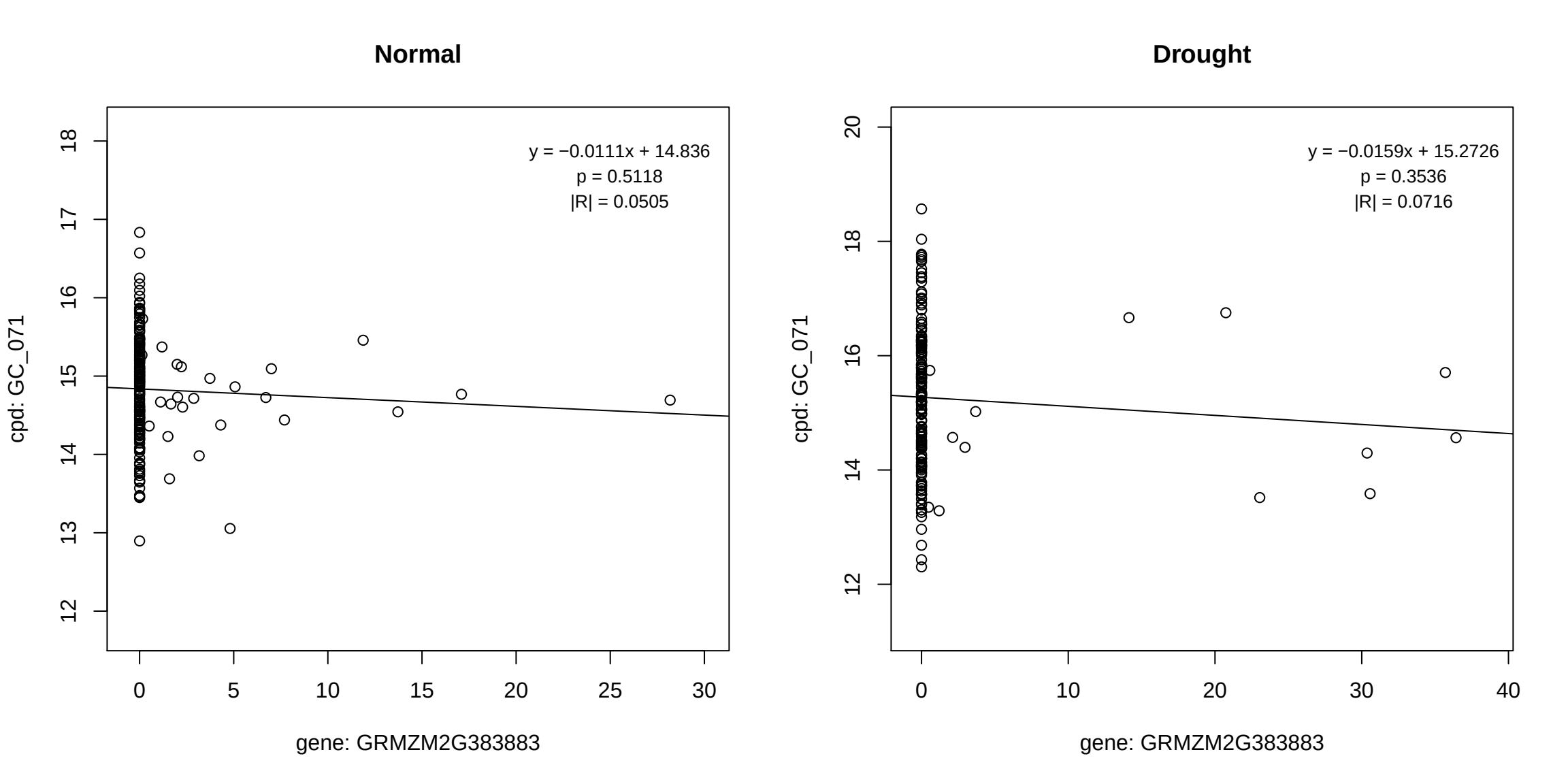

Normal
y = 0.0136x + 14.3086
p = 6e−04
|R| = 0.2589
cpd: GC_032
gene: GRMZM2G124353
Drought
y = 0.006x + 15.3416
p = 0.0485
|R| = 0.1516
cpd: GC_032
gene: GRMZM2G124353

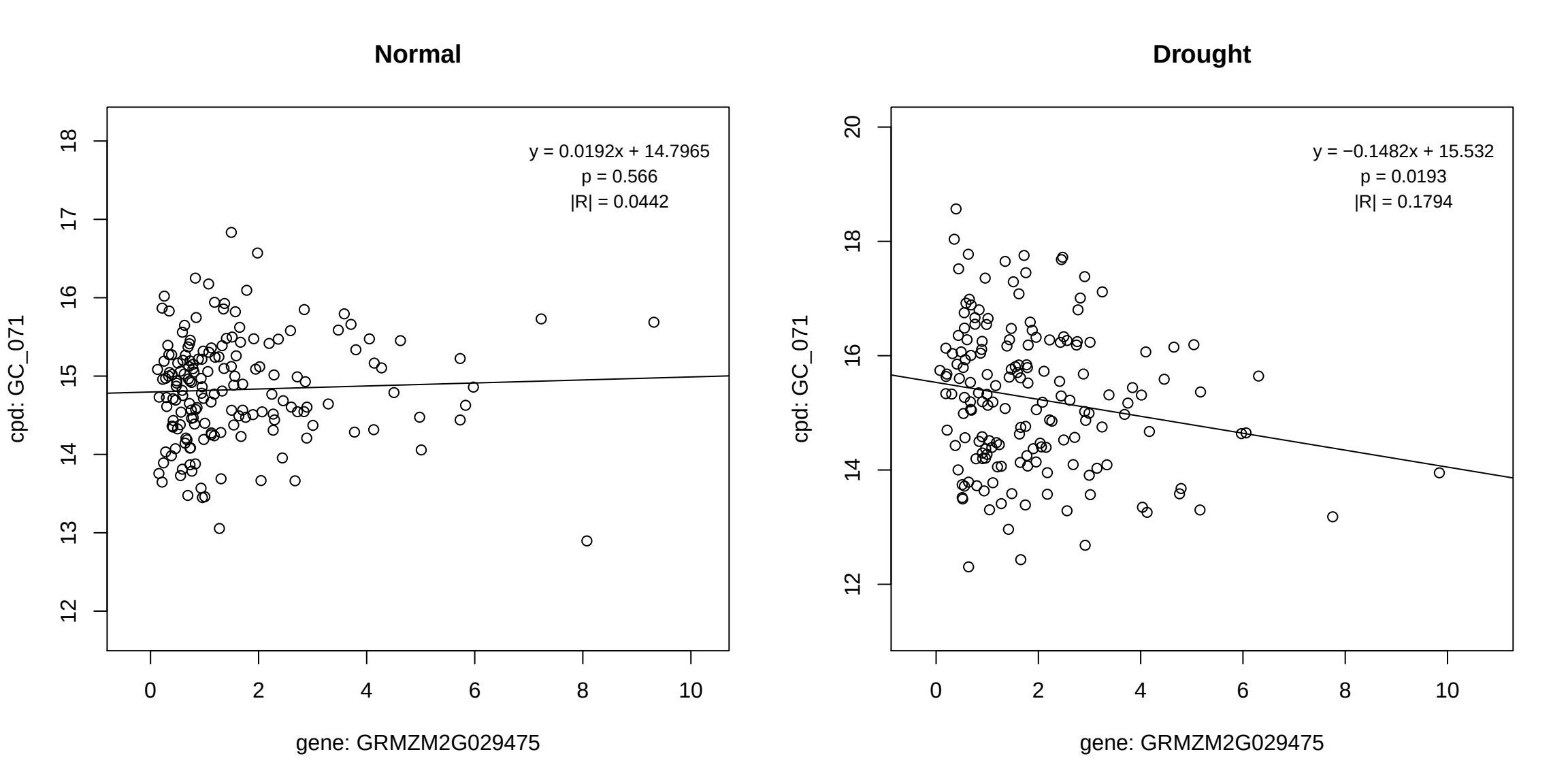

Normal
y = 0.0217x + 14.785
p = 0.1716
|R| = 0.105
cpd: GC_071
gene: GRMZM2G108123
Drought
y = −0.0828x + 15.3121
p = 0.359
|R| = 0.0708
cpd: GC_071
gene: GRMZM2G108123

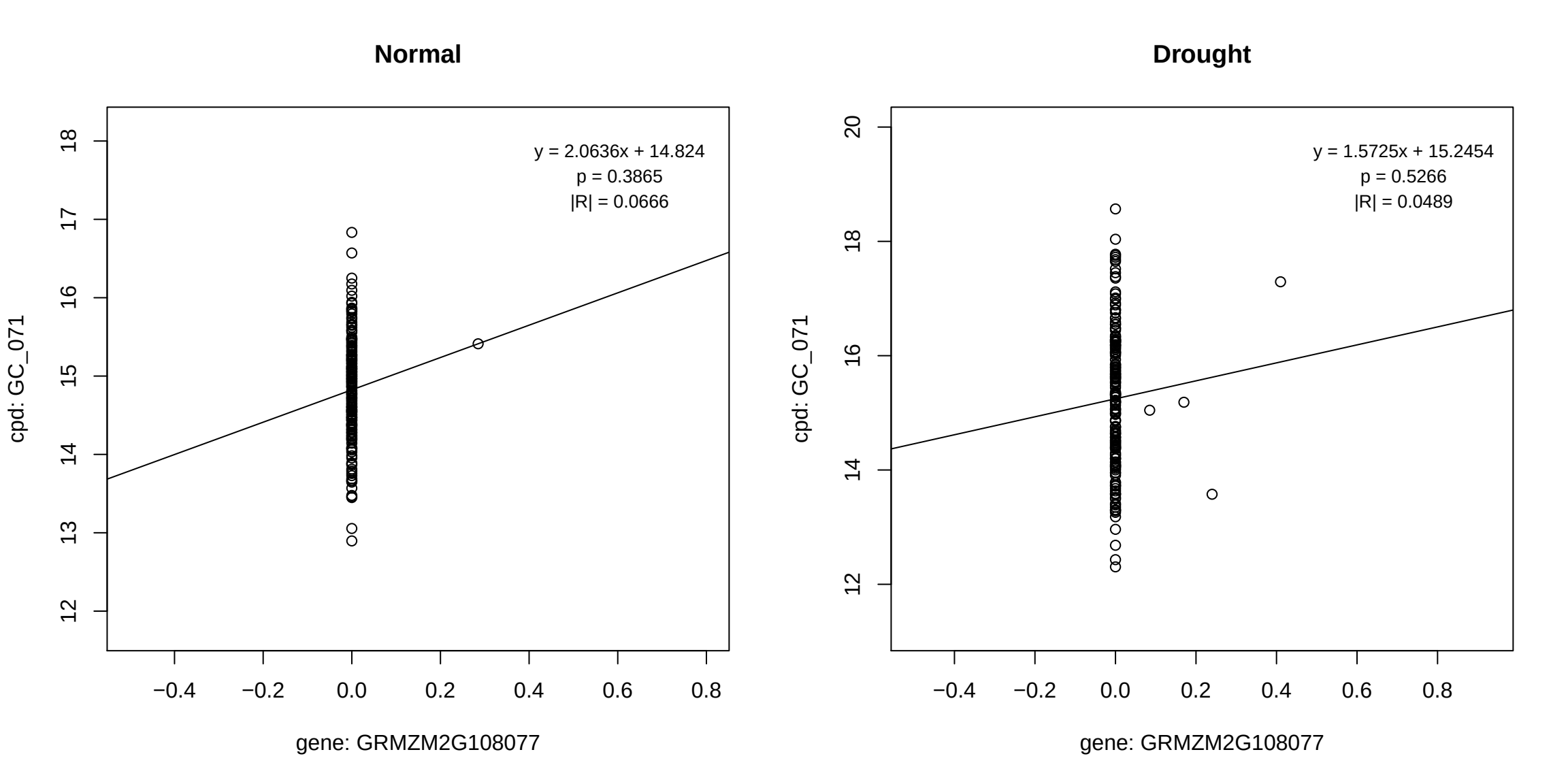

Normal
y = −0.0039x + 14.9358
p = 0.4039
|R| = 0.0642
cpd: GC_071
gene: GRMZM2G403576
Drought
y = 0.0093x + 15.0072
p = 0.4537
|R| = 0.0578
cpd: GC_071
gene: GRMZM2G403576

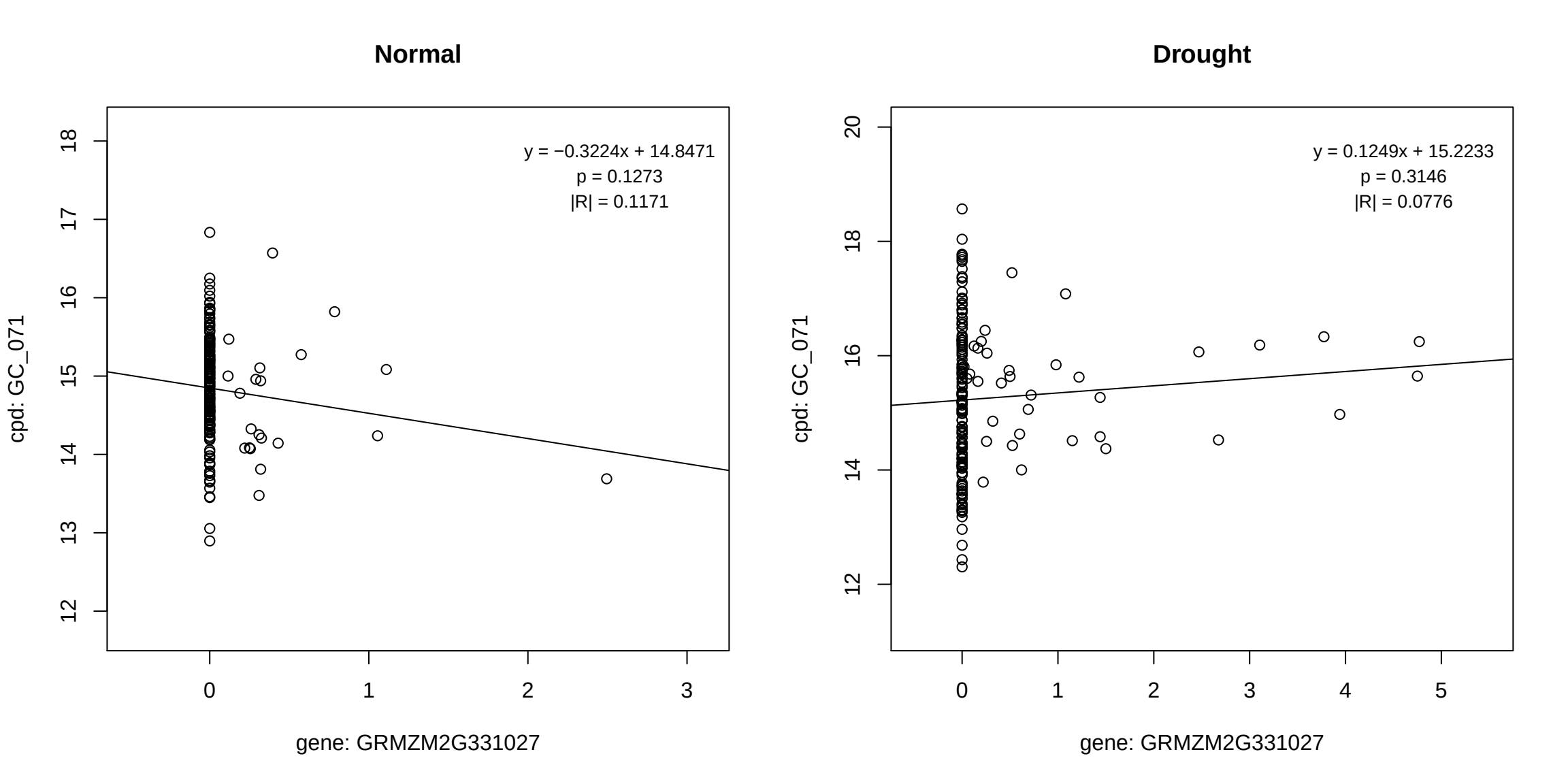

Normal
y = 1.6358x + 14.8141
p = 0.5994
|R| = 0.0404
cpd: GC_071
gene: GRMZM2G108624
Drought
y = −0.6126x + 15.2596
p = 0.8342
|R| = 0.0162
cpd: GC_071
gene: GRMZM2G108624


Normal
y = 0.0192x + 14.7965
p = 0.566
|R| = 0.0442
cpd: GC_071
gene: GRMZM2G081957
Drought
y = −0.1482x + 15.532
p = 0.0193
|R| = 0.1794
cpd: GC_071
gene: GRMZM2G081957


Normal
y = −0.0111x + 14.836
p = 0.5118
|R| = 0.0505
cpd: GC_071
gene: GRMZM2G383883
Drought
y = −0.0159x + 15.2726
p = 0.3536
|R| = 0.0716
cpd: GC_071
gene: GRMZM2G383883


Normal
y = 0.0192x + 14.7965
p = 0.566
|R| = 0.0442
cpd: GC_071
gene: GRMZM2G029475
Drought
y = −0.1482x + 15.532
p = 0.0193
|R| = 0.1794
cpd: GC_071
gene: GRMZM2G029475


Normal
y = 2.0636x + 14.824
p = 0.3865
|R| = 0.0666
cpd: GC_071
gene: GRMZM2G108077
Drought
y = 1.5725x + 15.2454
p = 0.5266
|R| = 0.0489
cpd: GC_071
gene: GRMZM2G108077


Normal
y = −0.3224x + 14.8471
p = 0.1273
|R| = 0.1171
cpd: GC_071
gene: GRMZM2G331027
Drought
y = 0.1249x + 15.2233
p = 0.3146
|R| = 0.0776
cpd: GC_071
gene: GRMZM2G331027