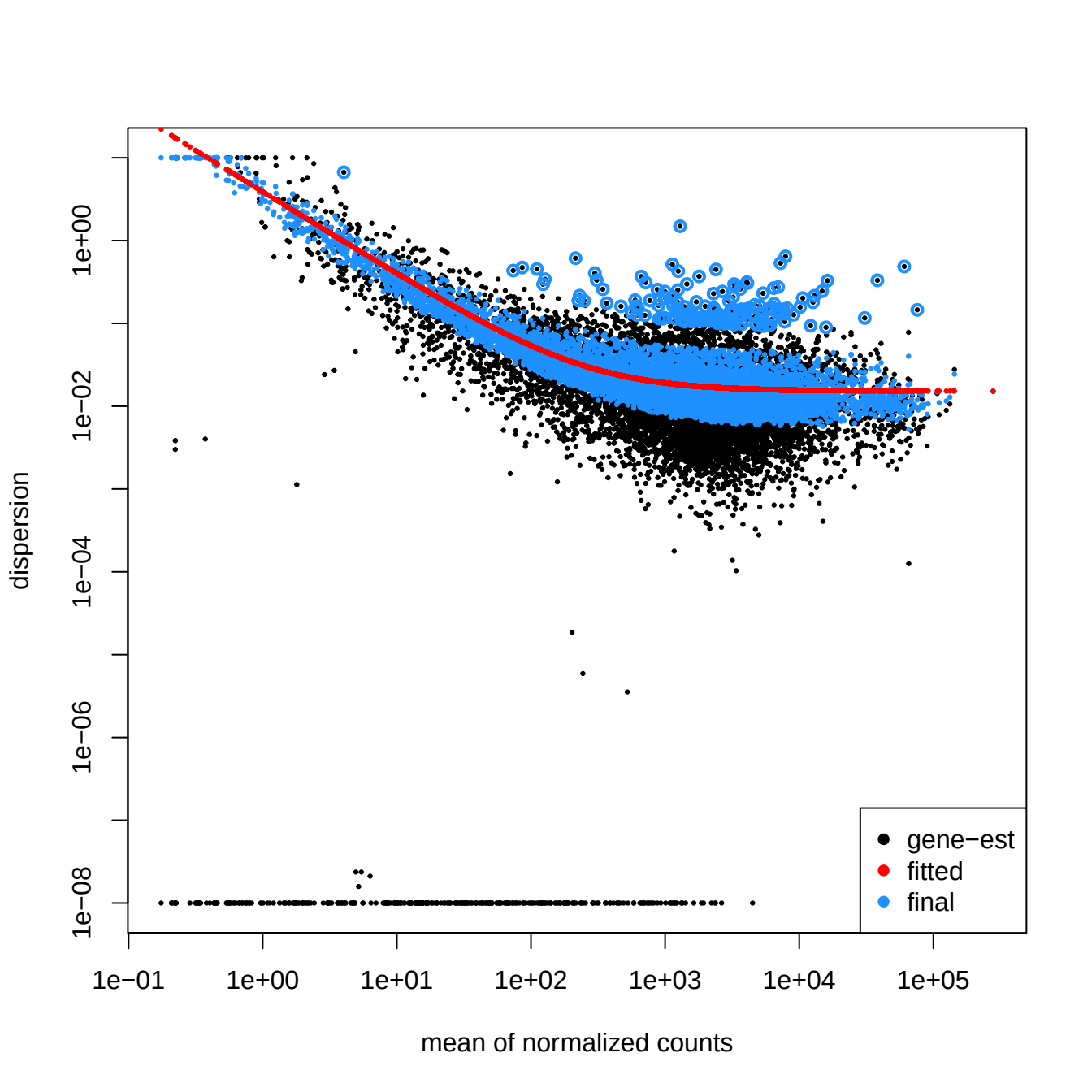
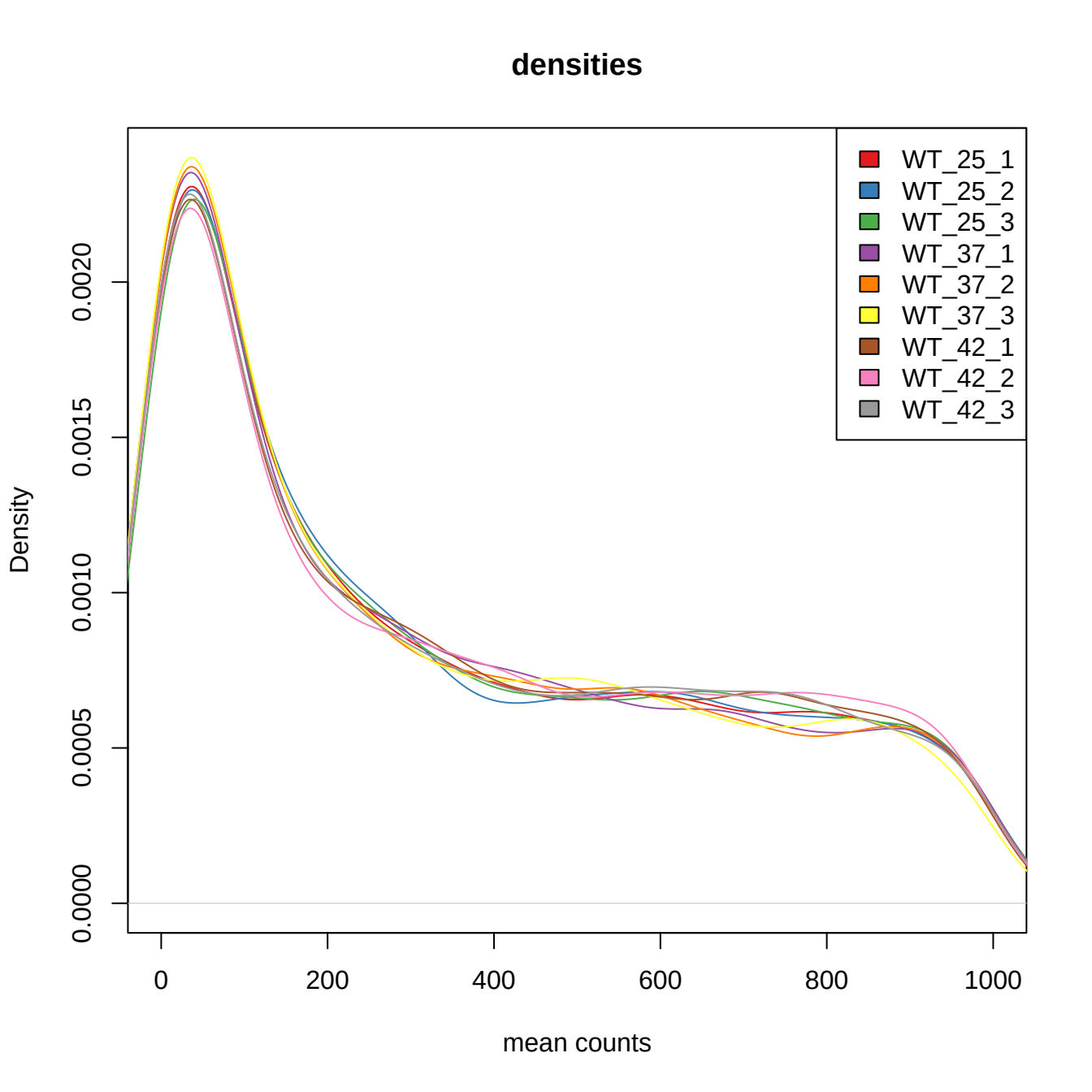
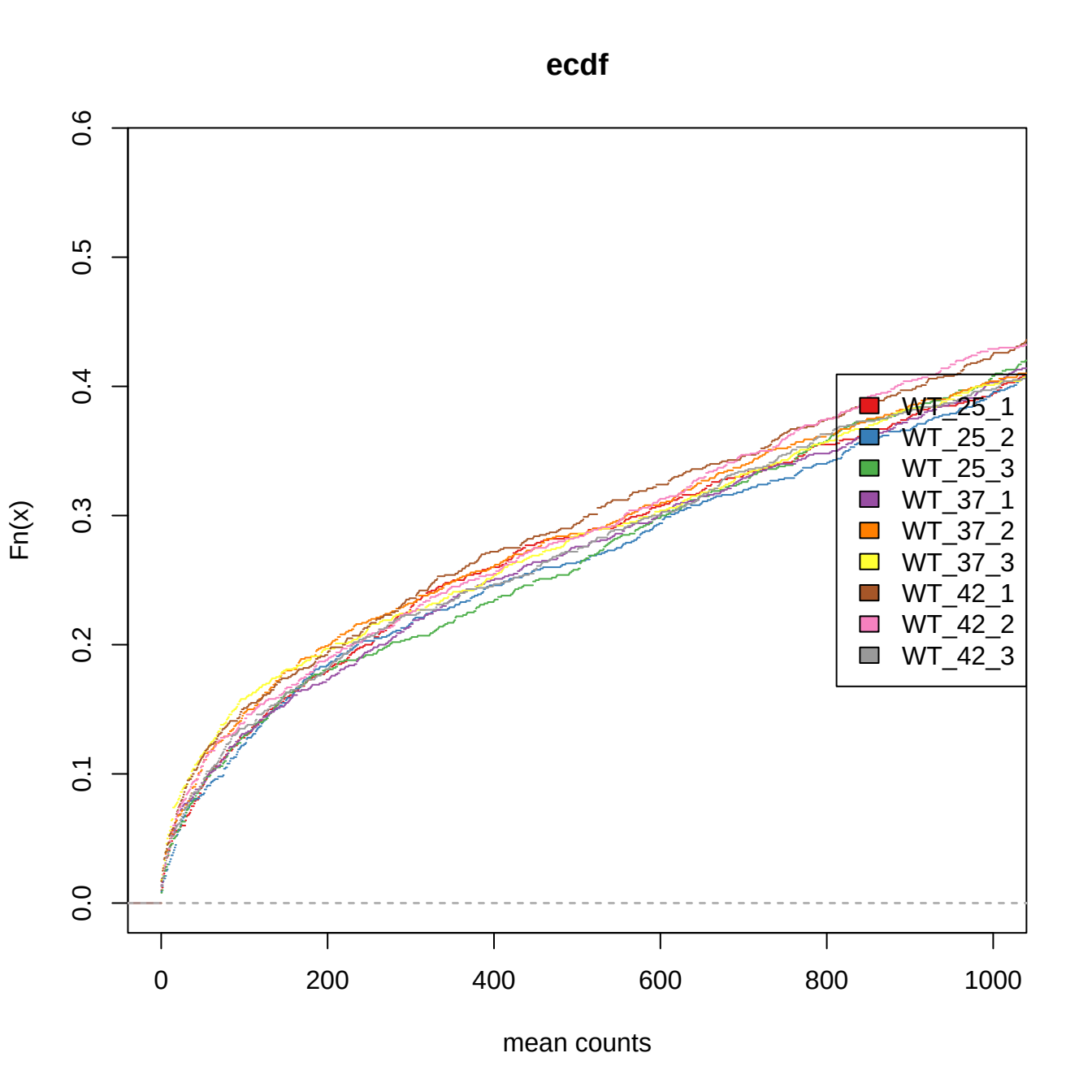
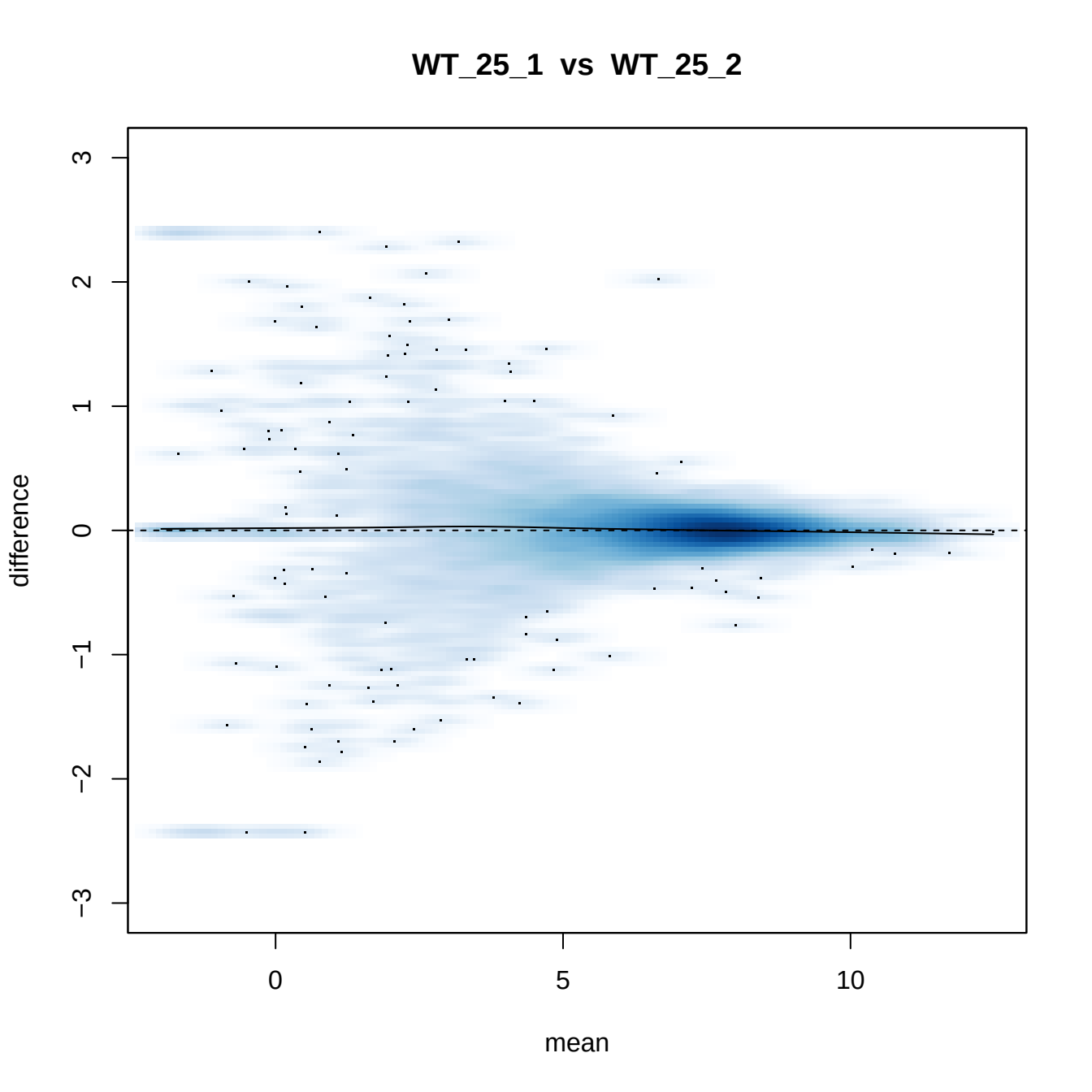
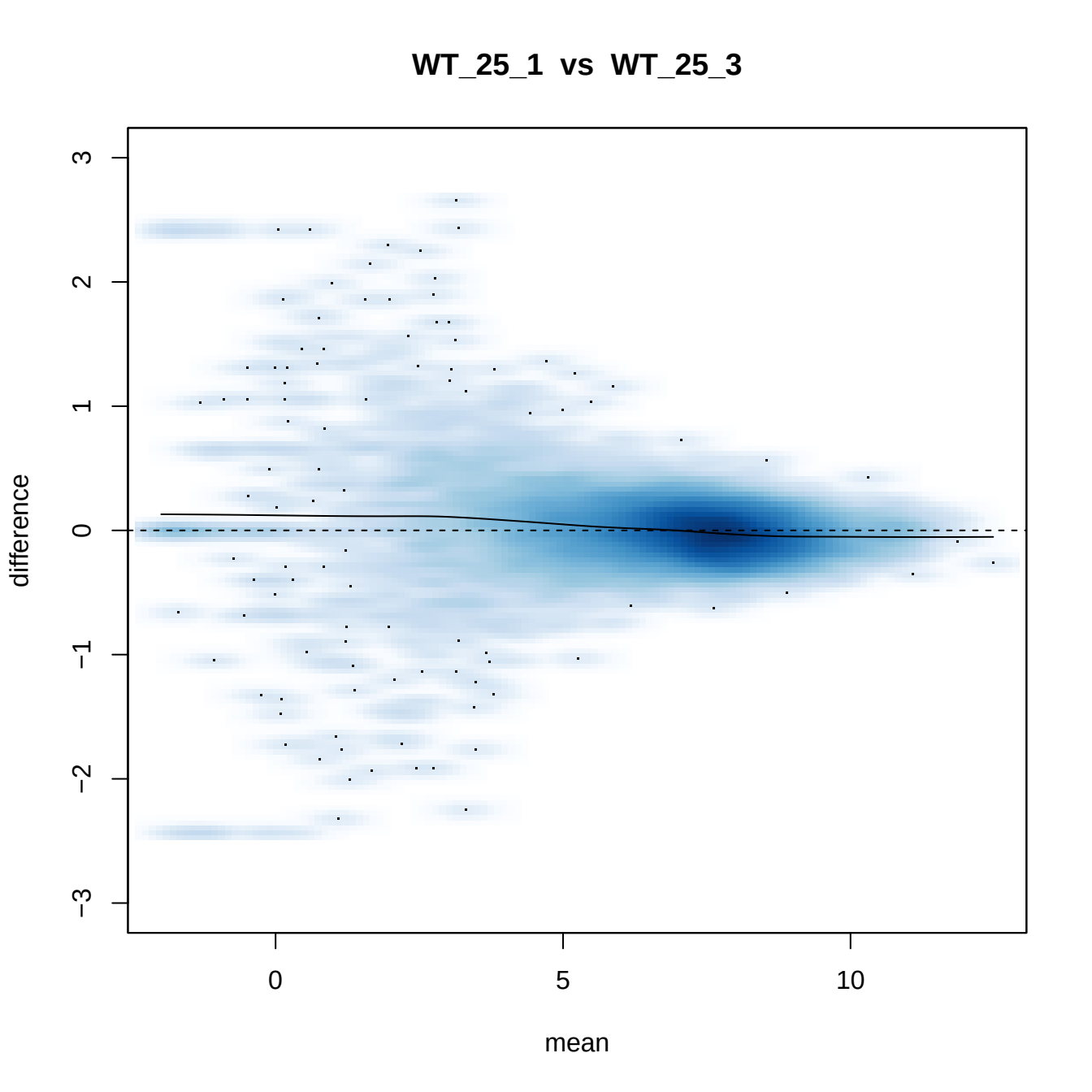
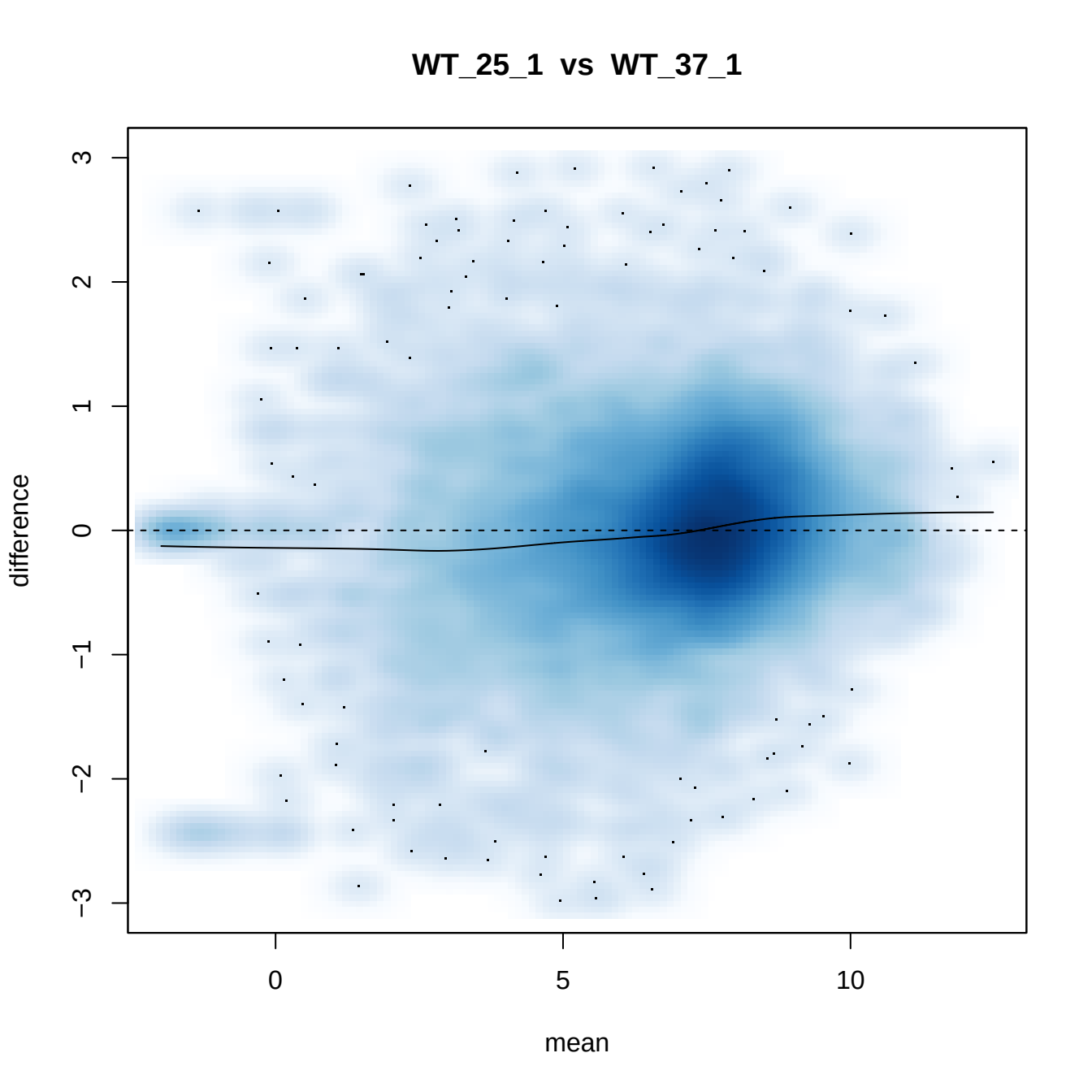

dispersion
1e+00
1e−02
1e−04
1e−06
1e−08
1e−01
1e+00
1e+01
1e+02
1e+03
1e+04
1e+05
mean of normalized counts
gene−est
fitted
final

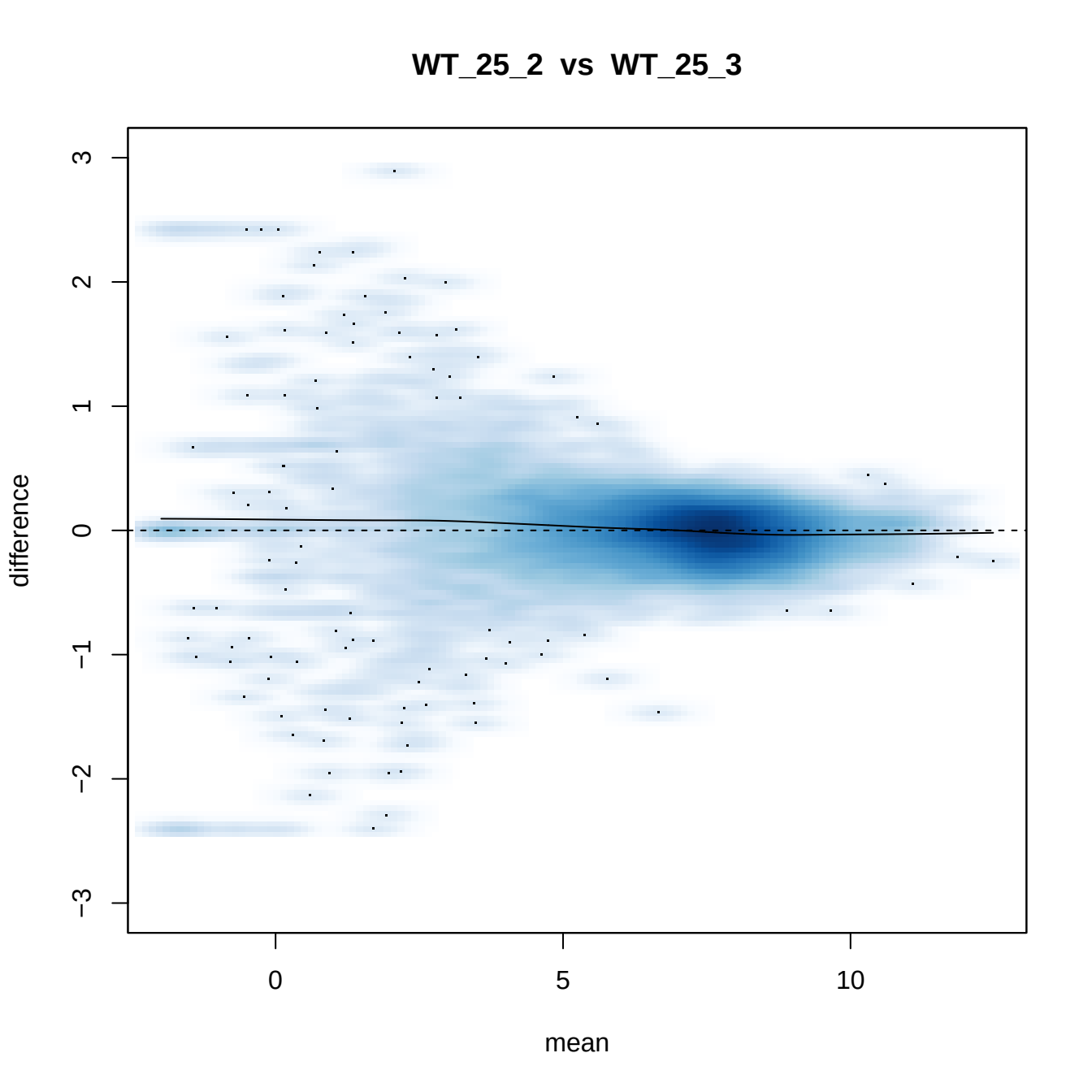

densities
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3
Density
0.0000
0.0005
0.0010
0.0015
0.0020
0
200
400
600
800
1000
mean counts

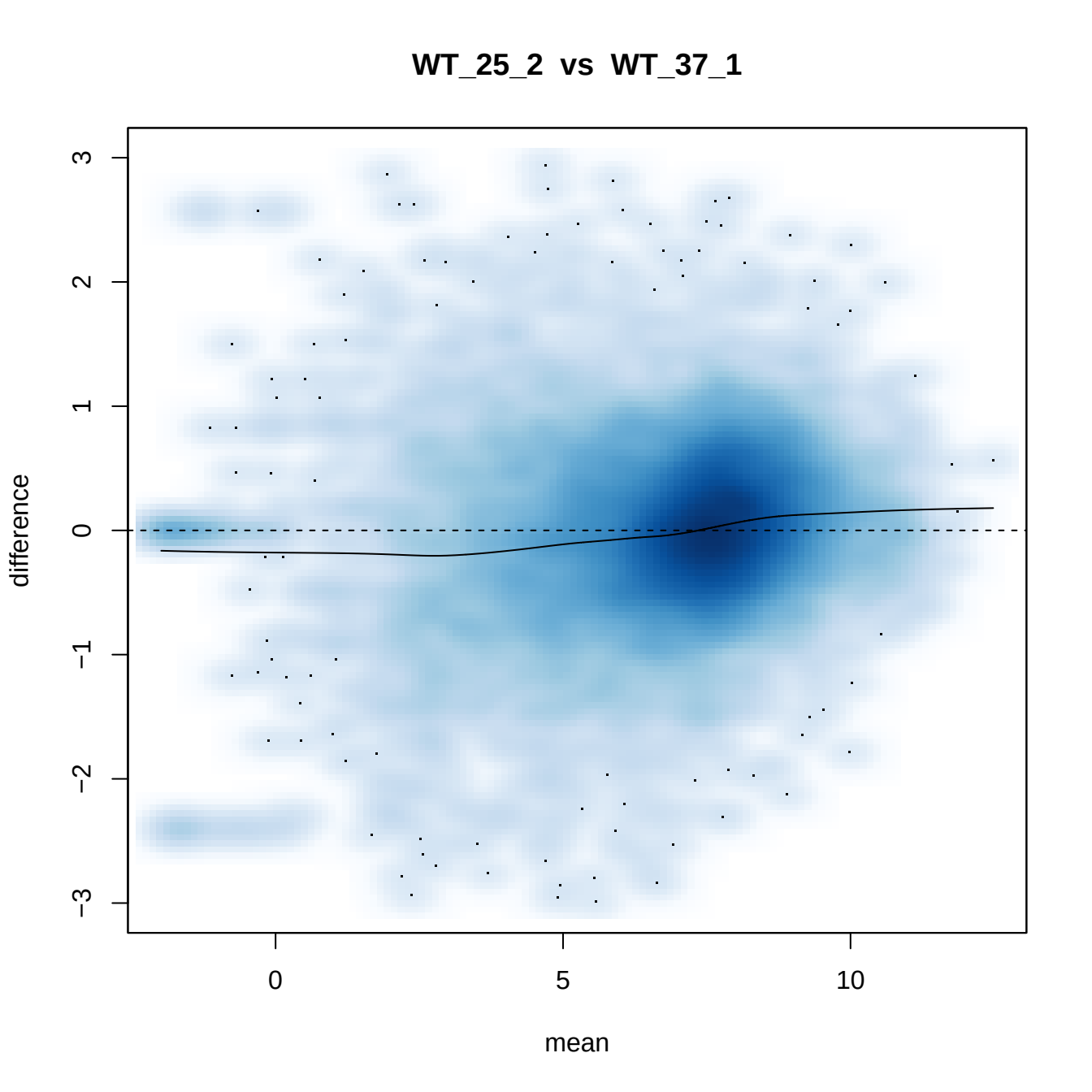

ecdf
Fn(x)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
200
400
600
800
1000
mean counts
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3

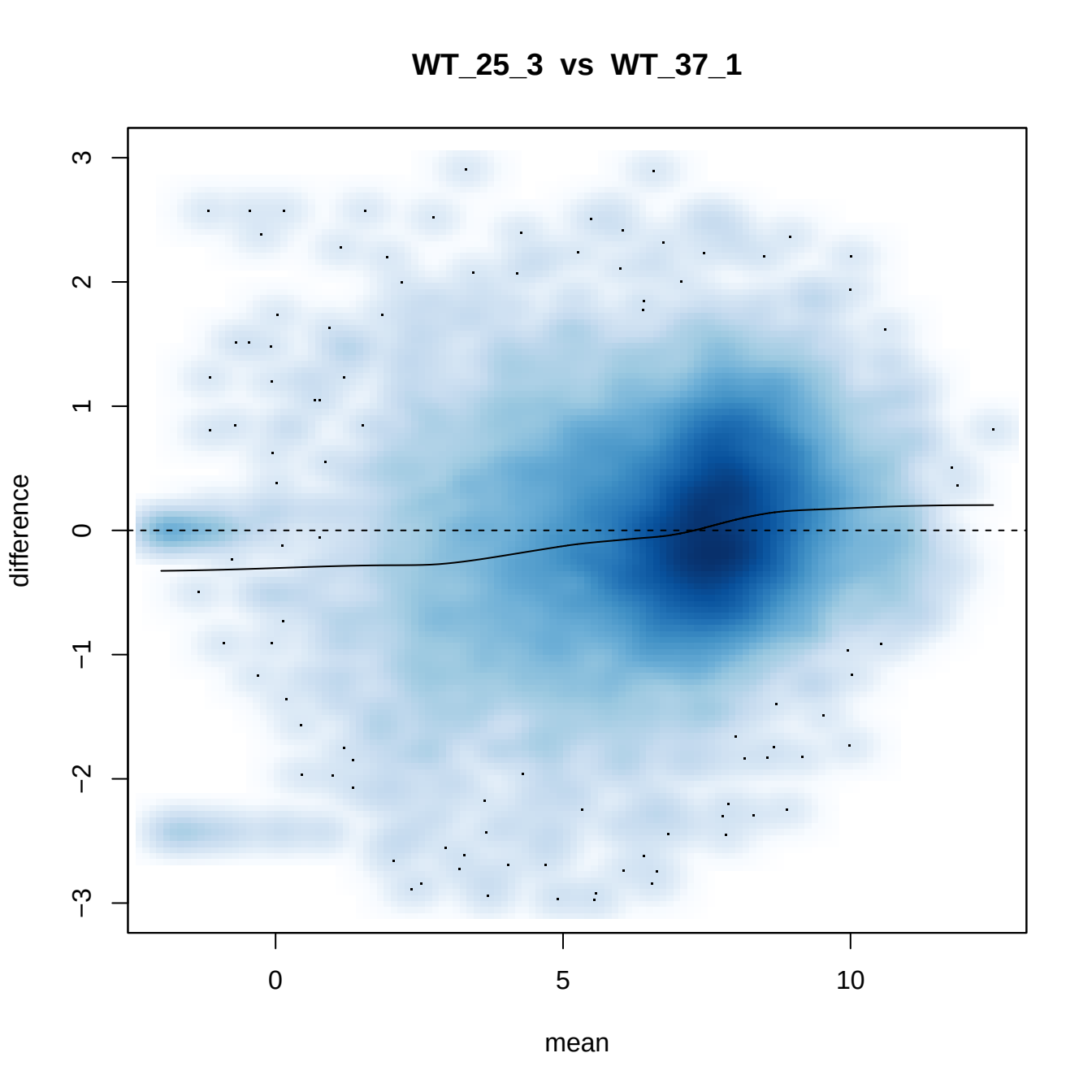

WT_25_1 vs WT_25_2
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

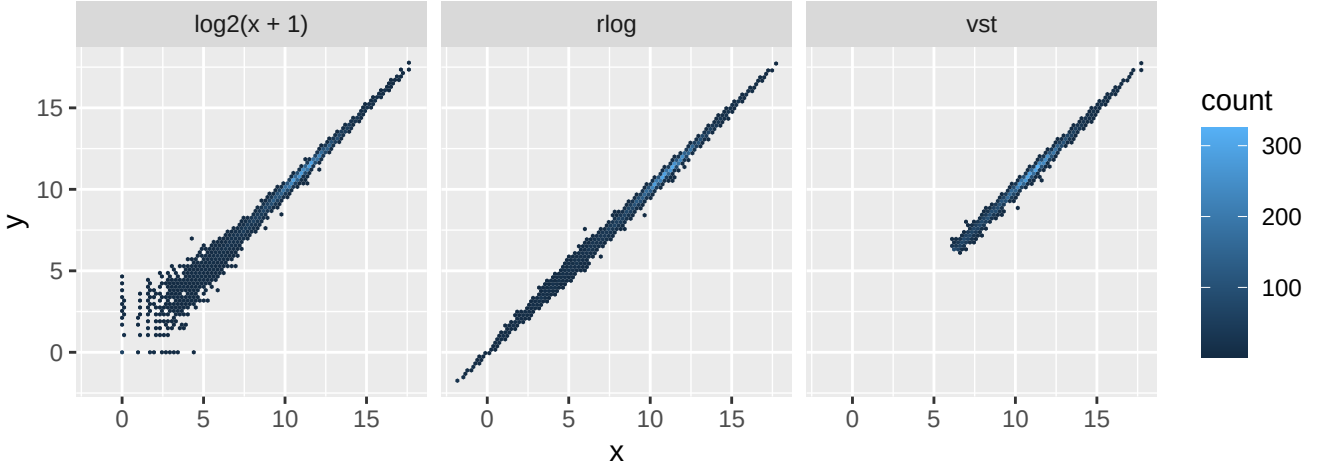

WT_25_1 vs WT_25_3
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

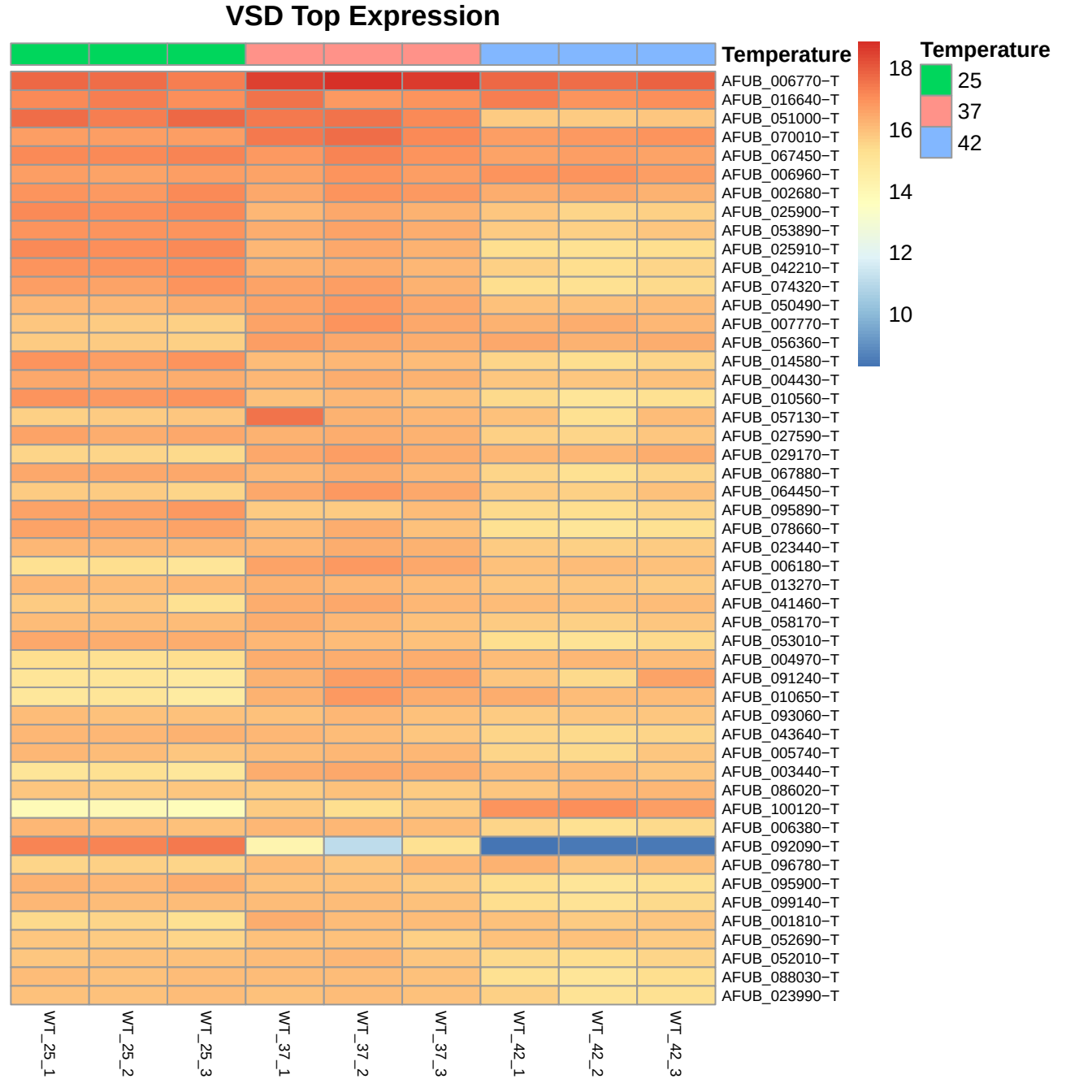

WT_25_1 vs WT_37_1
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

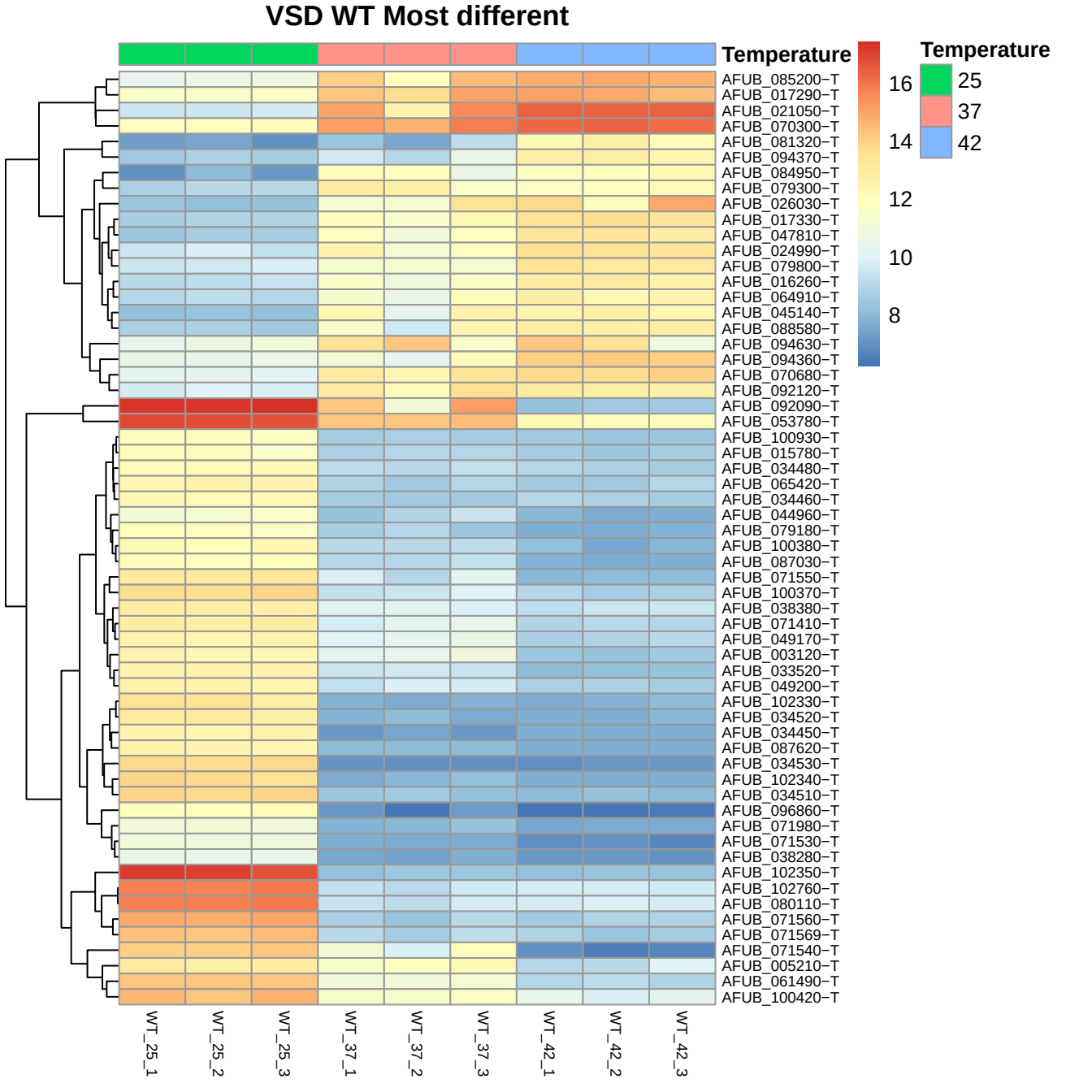

WT_25_2 vs WT_25_3
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

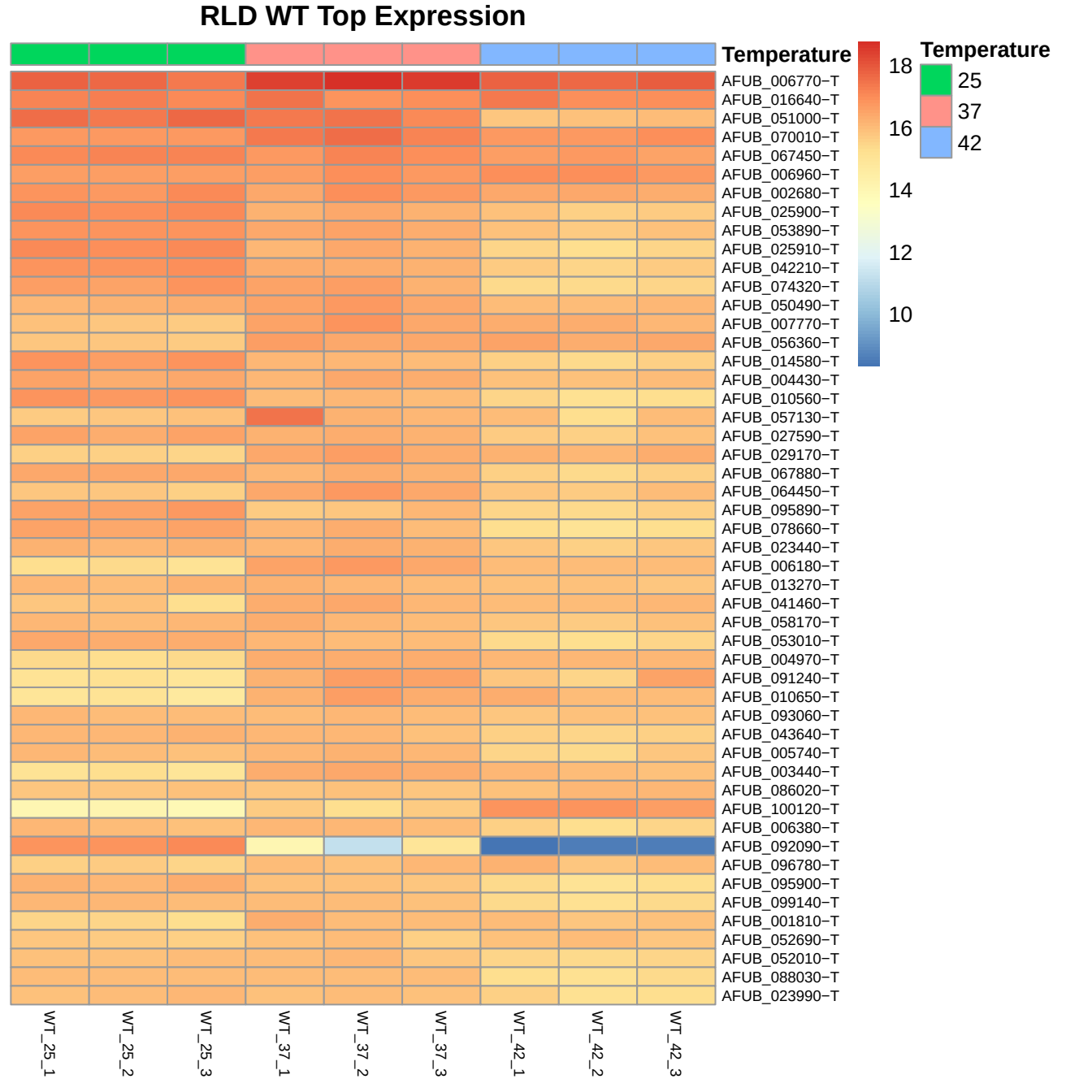

WT_25_2 vs WT_37_1
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

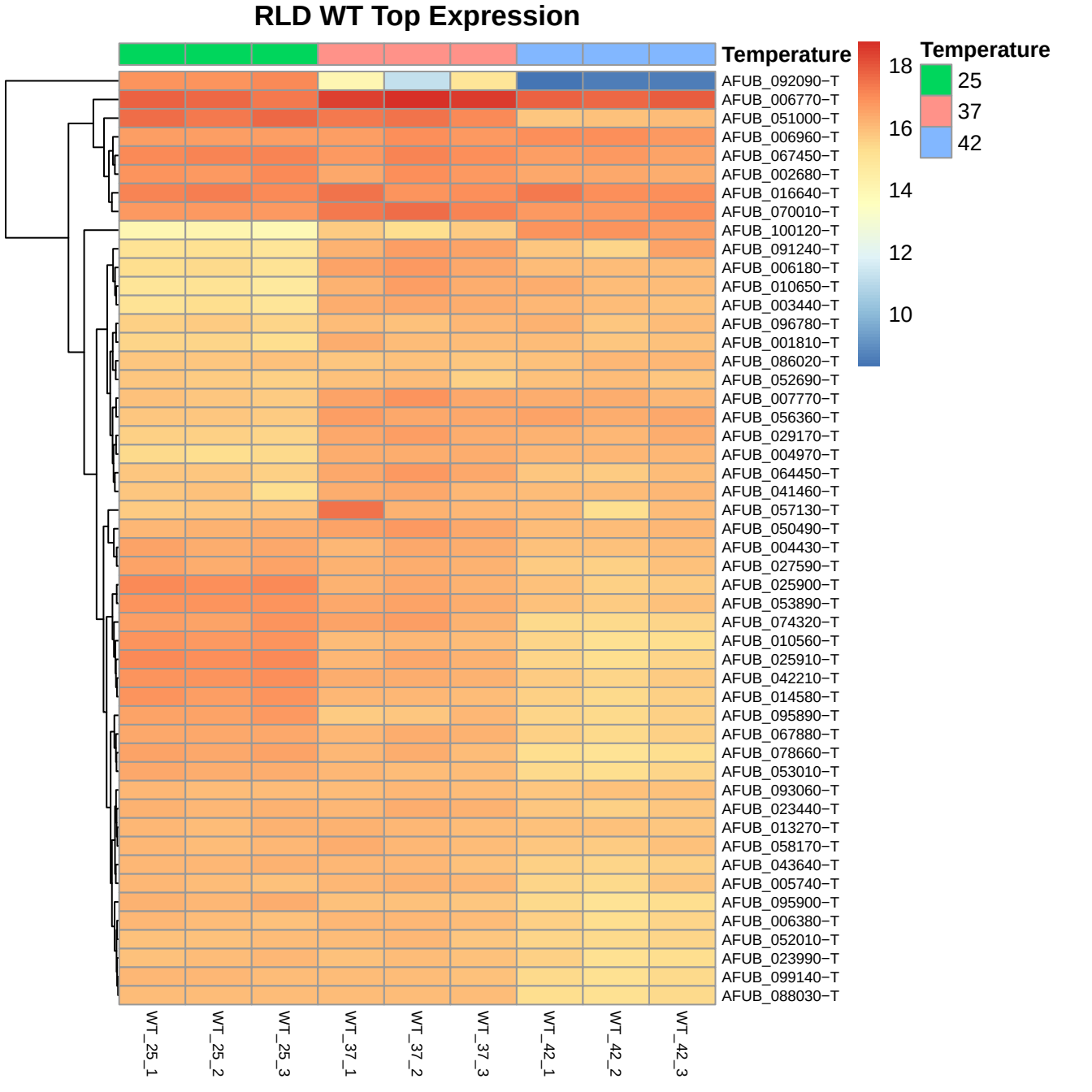

WT_25_3 vs WT_37_1
difference
mean
3
2
1
0
−1
−2
−3
0
5
10

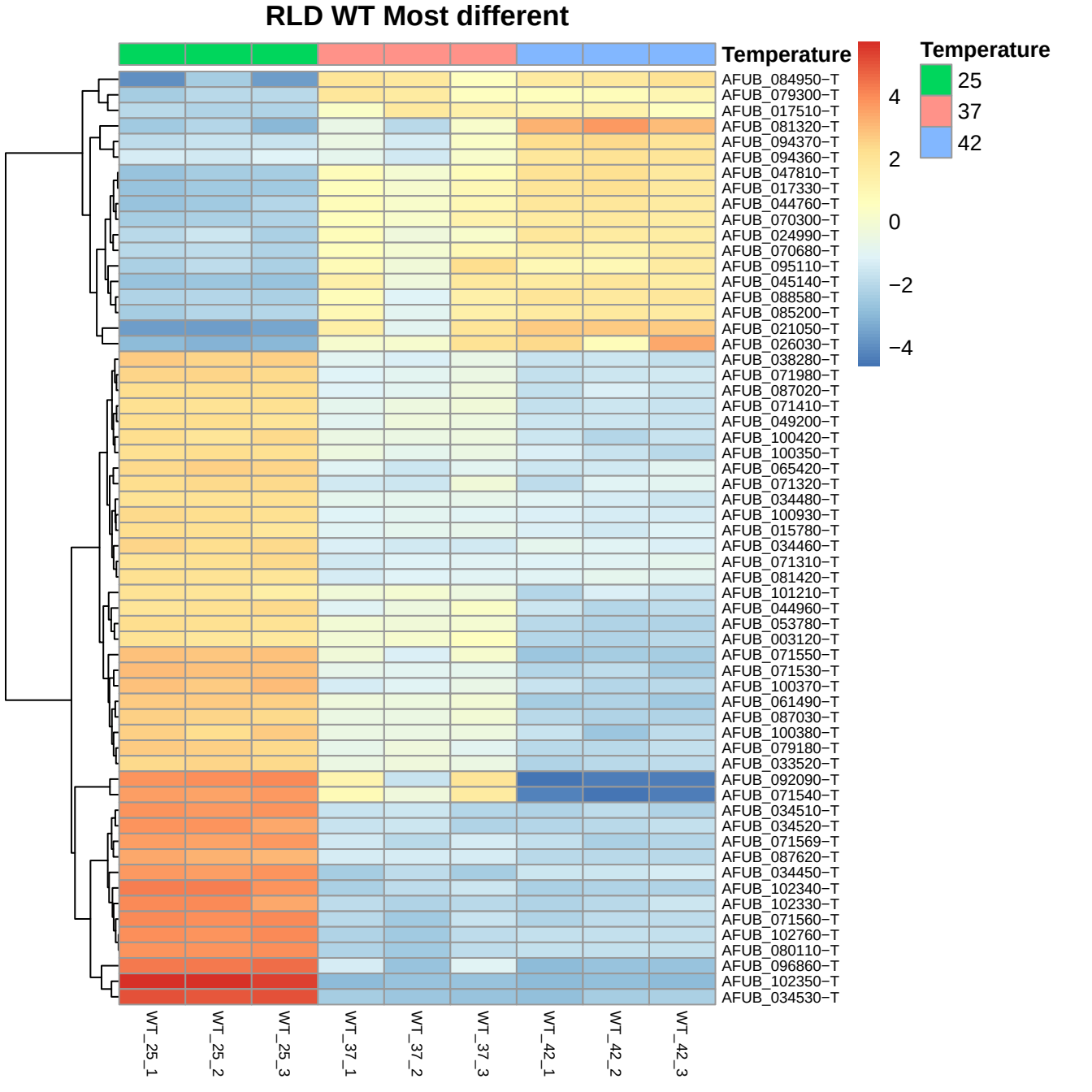

log2(x + 1)
rlog
vst
y
x
0
5
10
15
count
300
200
100

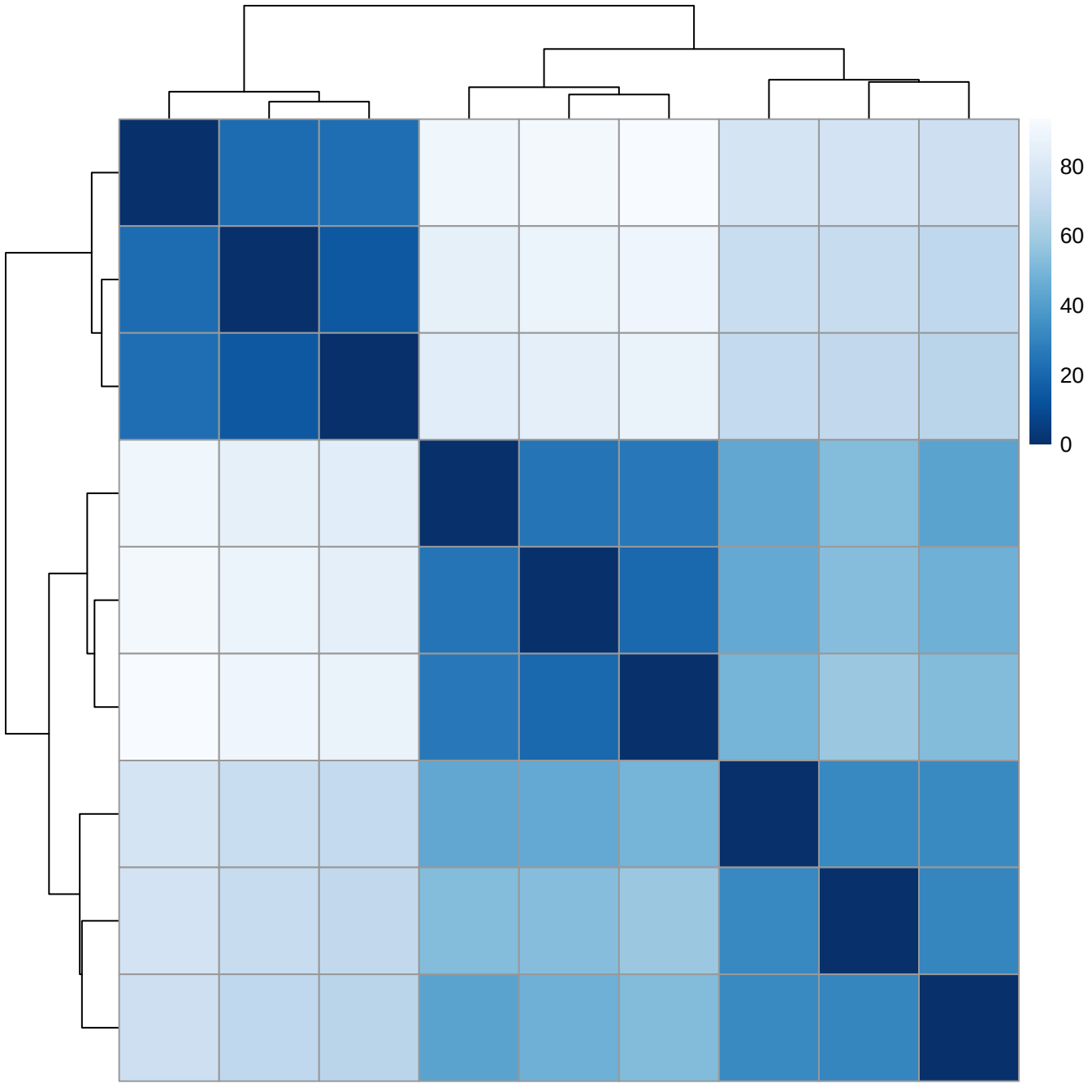

VSD Top Expression
Temperature
25
37
42
18
16
14
12
10
AFUB_006770−T
AFUB_016640−T
AFUB_051000−T
AFUB_070010−T
AFUB_067450−T
AFUB_006960−T
AFUB_002680−T
AFUB_025900−T
AFUB_053890−T
AFUB_025910−T
AFUB_042210−T
AFUB_074320−T
AFUB_050490−T
AFUB_007770−T
AFUB_056360−T
AFUB_014580−T
AFUB_004430−T
AFUB_010560−T
AFUB_057130−T
AFUB_027590−T
AFUB_029170−T
AFUB_067880−T
AFUB_064450−T
AFUB_095890−T
AFUB_078660−T
AFUB_023440−T
AFUB_006180−T
AFUB_013270−T
AFUB_041460−T
AFUB_058170−T
AFUB_053010−T
AFUB_004970−T
AFUB_091240−T
AFUB_010650−T
AFUB_093060−T
AFUB_043640−T
AFUB_005740−T
AFUB_003440−T
AFUB_086020−T
AFUB_100120−T
AFUB_006380−T
AFUB_092090−T
AFUB_096780−T
AFUB_095900−T
AFUB_099140−T
AFUB_001810−T
AFUB_052690−T
AFUB_052010−T
AFUB_088030−T
AFUB_023990−T
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3

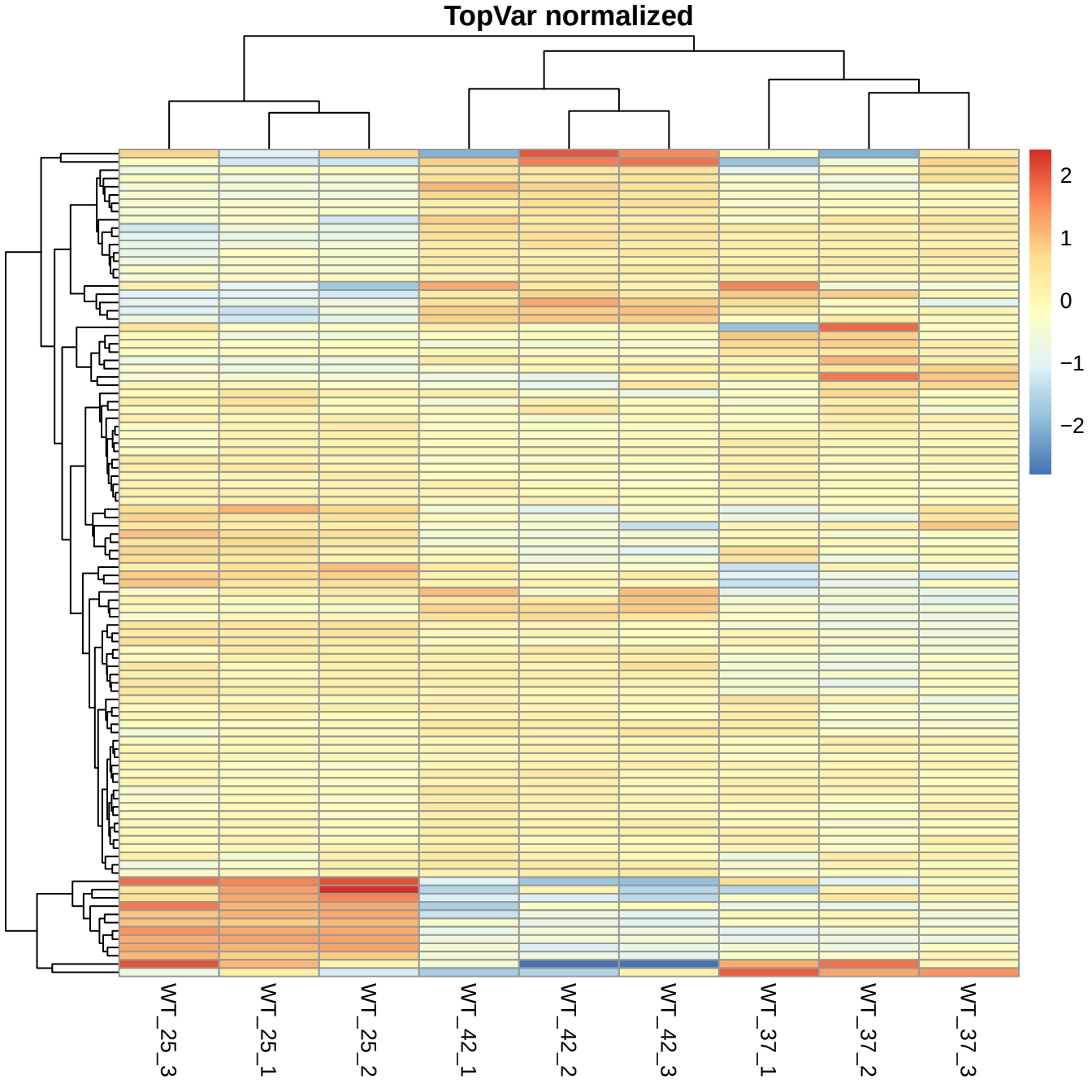

VSD WT Most different
Temperature
AFUB_085200−T
AFUB_017290−T
AFUB_021050−T
AFUB_070300−T
AFUB_081320−T
AFUB_094370−T
AFUB_084950−T
AFUB_079300−T
AFUB_026030−T
AFUB_017330−T
AFUB_047810−T
AFUB_024990−T
AFUB_079800−T
AFUB_016260−T
AFUB_064910−T
AFUB_045140−T
AFUB_088580−T
AFUB_094630−T
AFUB_094360−T
AFUB_070680−T
AFUB_092120−T
AFUB_092090−T
AFUB_053780−T
AFUB_100930−T
AFUB_015780−T
AFUB_034480−T
AFUB_065420−T
AFUB_034460−T
AFUB_044960−T
AFUB_079180−T
AFUB_100380−T
AFUB_087030−T
AFUB_071550−T
AFUB_100370−T
AFUB_038380−T
AFUB_071410−T
AFUB_049170−T
AFUB_003120−T
AFUB_033520−T
AFUB_049200−T
AFUB_102330−T
AFUB_034520−T
AFUB_034450−T
AFUB_087620−T
AFUB_034530−T
AFUB_102340−T
AFUB_034510−T
AFUB_096860−T
AFUB_071980−T
AFUB_071530−T
AFUB_038280−T
AFUB_102350−T
AFUB_102760−T
AFUB_080110−T
AFUB_071560−T
AFUB_071569−T
AFUB_071540−T
AFUB_005210−T
AFUB_061490−T
AFUB_100420−T
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3
16
14
12
10
8
Temperature
25
37
42

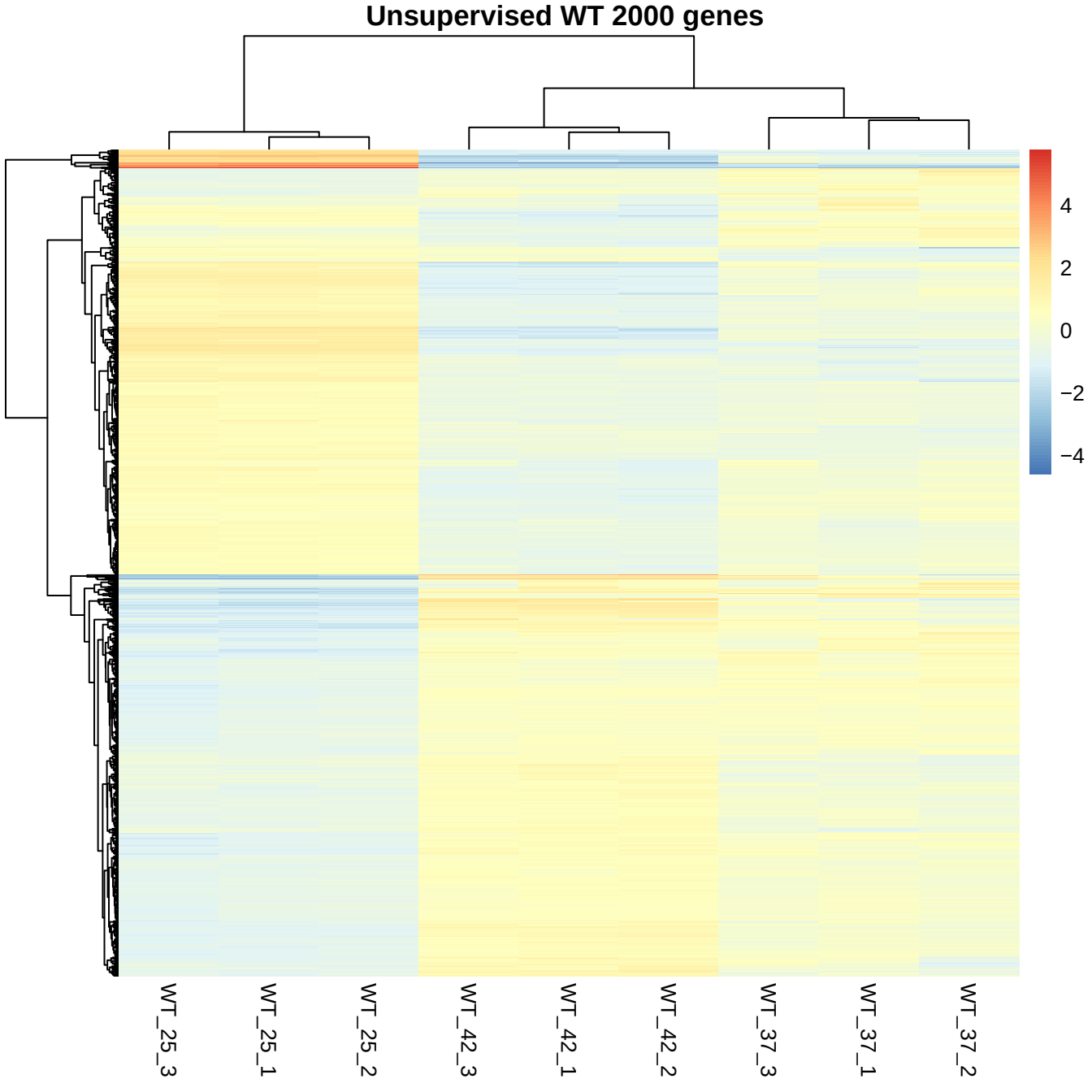

RLD WT Top Expression
Temperature
25
37
42
18
16
14
12
10
AFUB_006770−T
AFUB_016640−T
AFUB_051000−T
AFUB_070010−T
AFUB_067450−T
AFUB_006960−T
AFUB_002680−T
AFUB_025900−T
AFUB_053890−T
AFUB_025910−T
AFUB_042210−T
AFUB_074320−T
AFUB_050490−T
AFUB_007770−T
AFUB_056360−T
AFUB_014580−T
AFUB_004430−T
AFUB_010560−T
AFUB_057130−T
AFUB_027590−T
AFUB_029170−T
AFUB_067880−T
AFUB_064450−T
AFUB_095890−T
AFUB_078660−T
AFUB_023440−T
AFUB_006180−T
AFUB_013270−T
AFUB_041460−T
AFUB_058170−T
AFUB_053010−T
AFUB_004970−T
AFUB_091240−T
AFUB_010650−T
AFUB_093060−T
AFUB_043640−T
AFUB_005740−T
AFUB_003440−T
AFUB_086020−T
AFUB_100120−T
AFUB_006380−T
AFUB_092090−T
AFUB_096780−T
AFUB_095900−T
AFUB_099140−T
AFUB_001810−T
AFUB_052690−T
AFUB_052010−T
AFUB_088030−T
AFUB_023990−T
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3

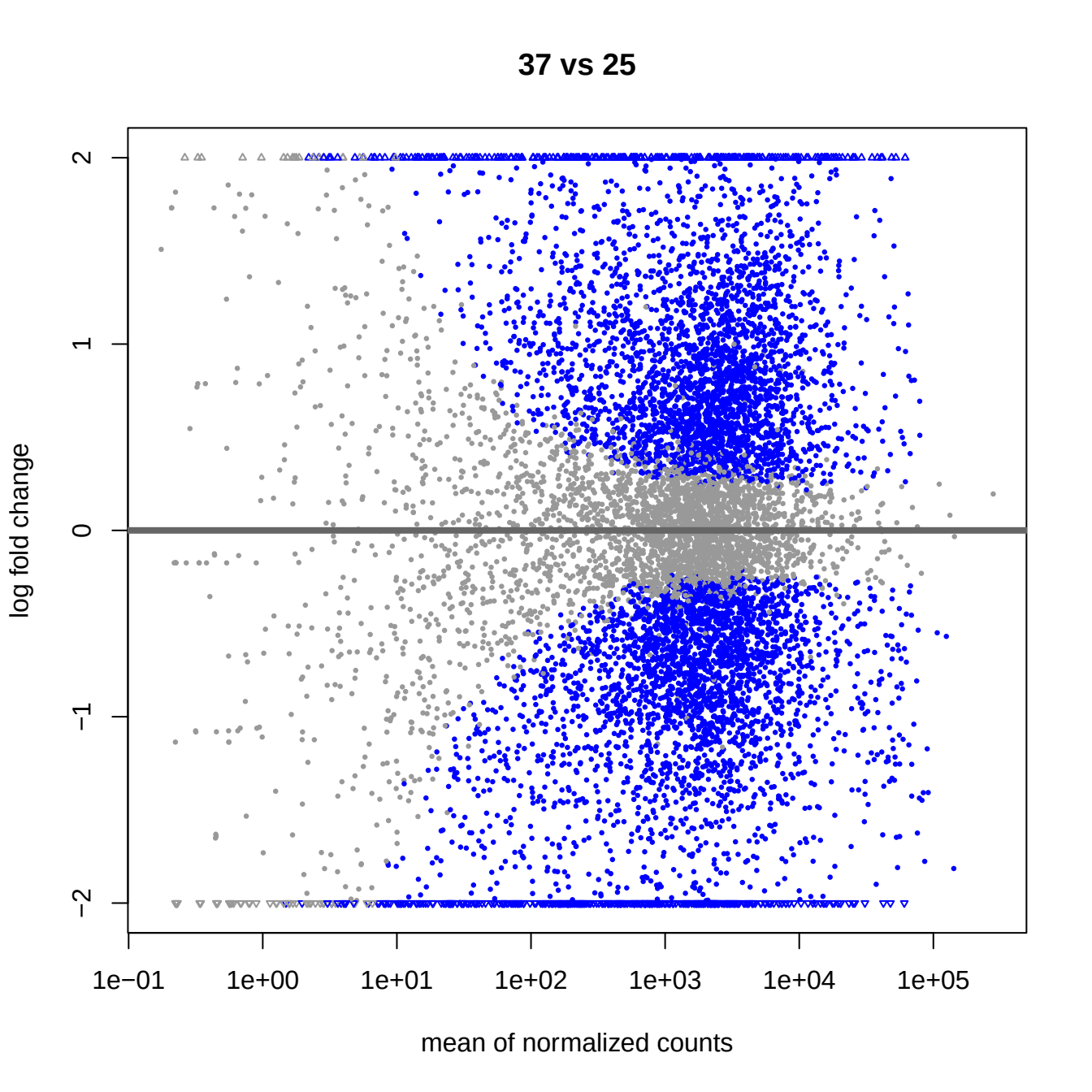

RLD WT Top Expression
Temperature
25
37
42
18
16
14
12
10
AFUB_092090−T
AFUB_006770−T
AFUB_051000−T
AFUB_006960−T
AFUB_067450−T
AFUB_002680−T
AFUB_016640−T
AFUB_070010−T
AFUB_100120−T
AFUB_091240−T
AFUB_006180−T
AFUB_010650−T
AFUB_003440−T
AFUB_096780−T
AFUB_001810−T
AFUB_086020−T
AFUB_052690−T
AFUB_007770−T
AFUB_056360−T
AFUB_029170−T
AFUB_004970−T
AFUB_064450−T
AFUB_041460−T
AFUB_057130−T
AFUB_050490−T
AFUB_004430−T
AFUB_027590−T
AFUB_025900−T
AFUB_053890−T
AFUB_074320−T
AFUB_010560−T
AFUB_025910−T
AFUB_042210−T
AFUB_014580−T
AFUB_095890−T
AFUB_067880−T
AFUB_078660−T
AFUB_053010−T
AFUB_093060−T
AFUB_023440−T
AFUB_013270−T
AFUB_058170−T
AFUB_043640−T
AFUB_005740−T
AFUB_095900−T
AFUB_006380−T
AFUB_052010−T
AFUB_023990−T
AFUB_099140−T
AFUB_088030−T
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3

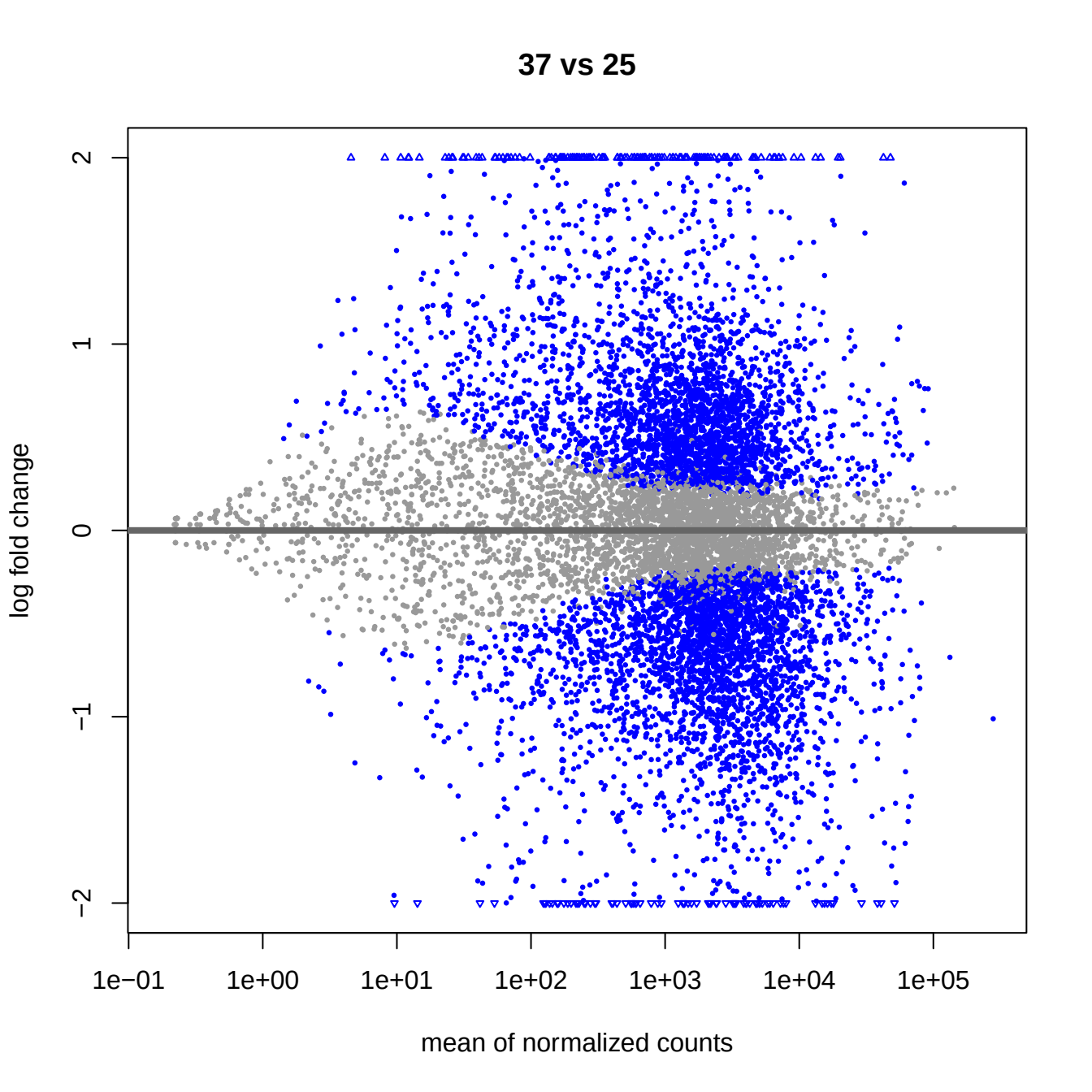

RLD WT Most different
Temperature
25
37
42
4
2
0
−2
−4
AFUB_084950−T
AFUB_079300−T
AFUB_017510−T
AFUB_081320−T
AFUB_094370−T
AFUB_094360−T
AFUB_047810−T
AFUB_017330−T
AFUB_044760−T
AFUB_070300−T
AFUB_024990−T
AFUB_070680−T
AFUB_095110−T
AFUB_045140−T
AFUB_088580−T
AFUB_085200−T
AFUB_021050−T
AFUB_026030−T
AFUB_038280−T
AFUB_071980−T
AFUB_087020−T
AFUB_071410−T
AFUB_049200−T
AFUB_100420−T
AFUB_100350−T
AFUB_065420−T
AFUB_071320−T
AFUB_034480−T
AFUB_100930−T
AFUB_015780−T
AFUB_034460−T
AFUB_071310−T
AFUB_081420−T
AFUB_101210−T
AFUB_044960−T
AFUB_053780−T
AFUB_003120−T
AFUB_071550−T
AFUB_071530−T
AFUB_100370−T
AFUB_061490−T
AFUB_087030−T
AFUB_100380−T
AFUB_079180−T
AFUB_033520−T
AFUB_092090−T
AFUB_071540−T
AFUB_034510−T
AFUB_034520−T
AFUB_071569−T
AFUB_087620−T
AFUB_034450−T
AFUB_102340−T
AFUB_102330−T
AFUB_071560−T
AFUB_102760−T
AFUB_080110−T
AFUB_096860−T
AFUB_102350−T
AFUB_034530−T
WT_25_1
WT_25_2
WT_25_3
WT_37_1
WT_37_2
WT_37_3
WT_42_1
WT_42_2
WT_42_3


80
60
40
20
0


TopVar normalized
2
1
0
−1
−2
WT_25_3
WT_25_1
WT_25_2
WT_42_1
WT_42_2
WT_42_3
WT_37_1
WT_37_2
WT_37_3


Unsupervised WT 2000 genes
4
2
0
−2
−4
WT_25_3
WT_25_1
WT_25_2
WT_42_3
WT_42_1
WT_42_2
WT_37_3
WT_37_1
WT_37_2


37 vs 25
log fold change
2
1
0
−1
−2
1e−01
1e+00
1e+01
1e+02
1e+03
1e+04
1e+05
mean of normalized counts


37 vs 25
log fold change
2
1
0
−1
−2
1e−01
1e+00
1e+01
1e+02
1e+03
1e+04
1e+05
mean of normalized counts