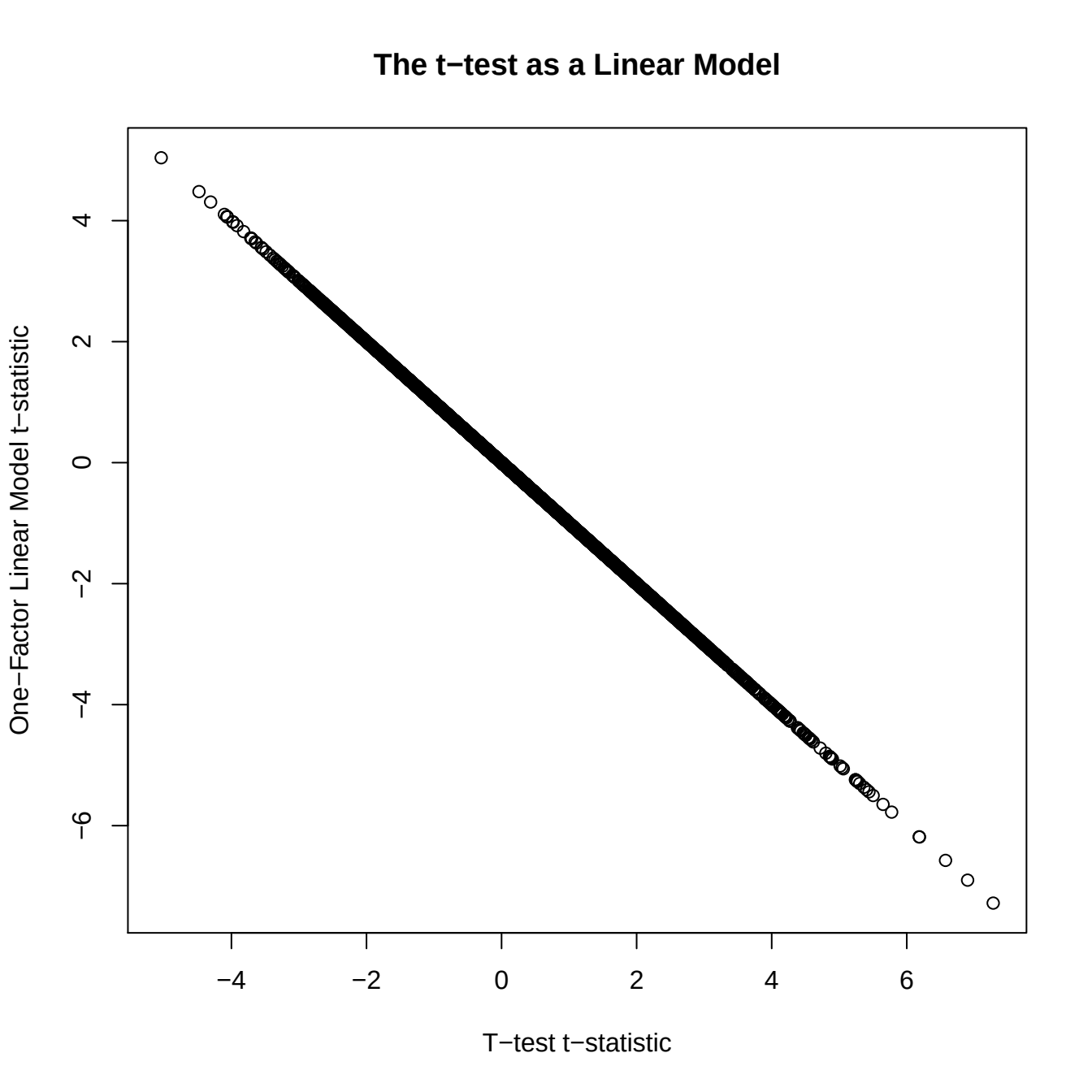
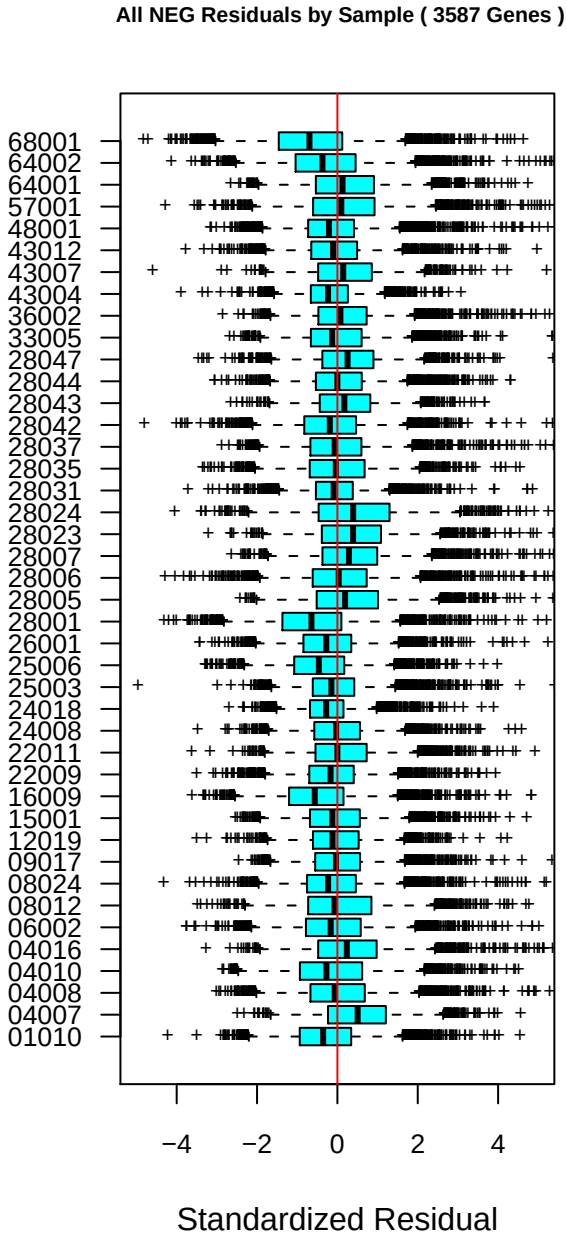
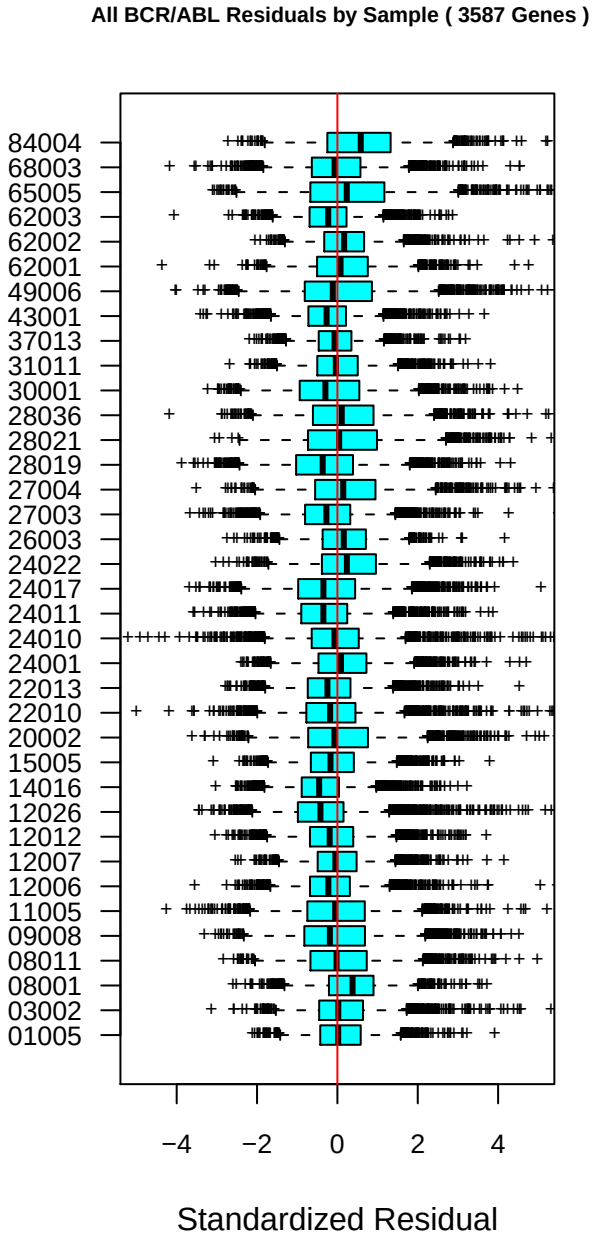
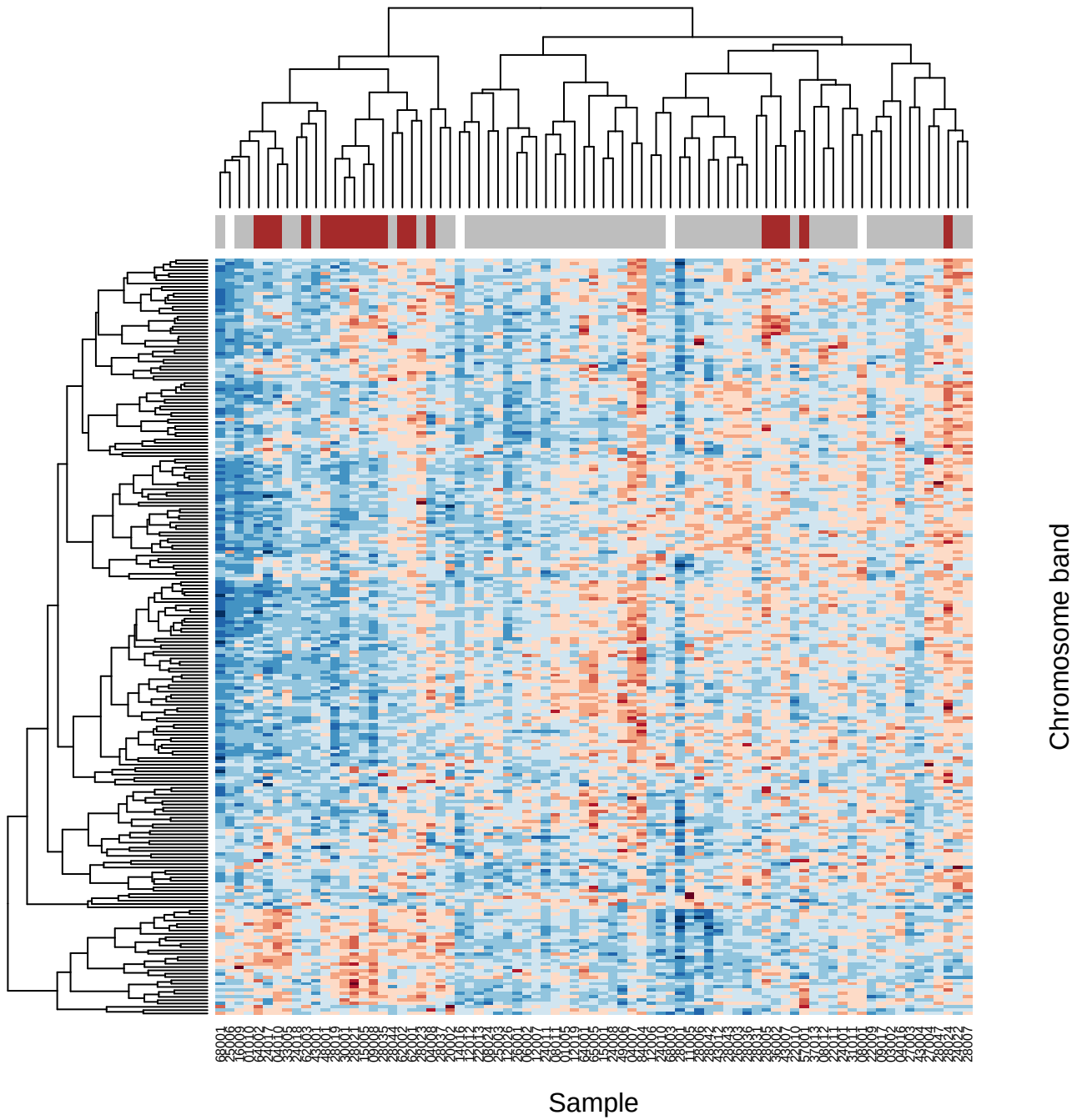
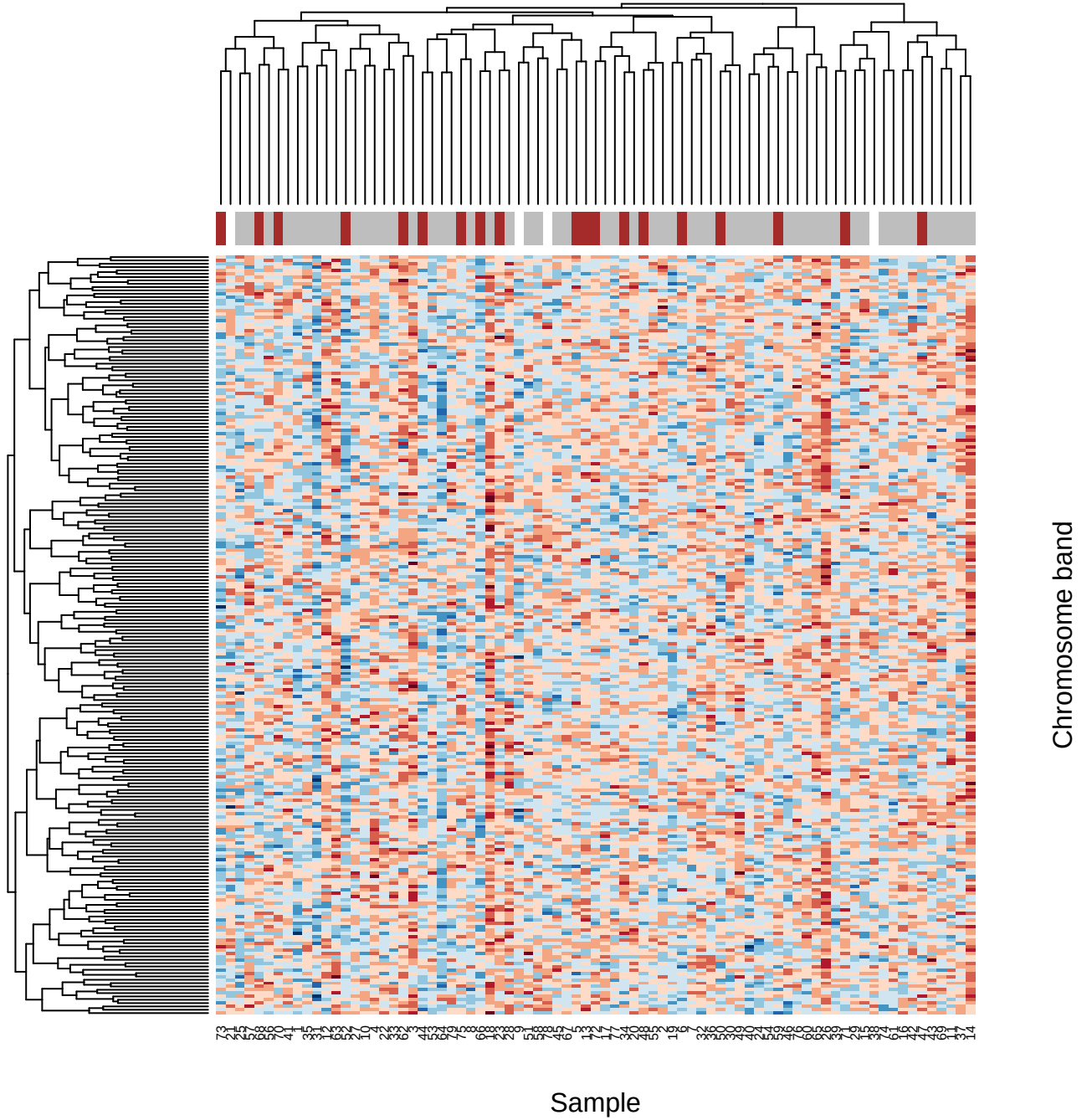
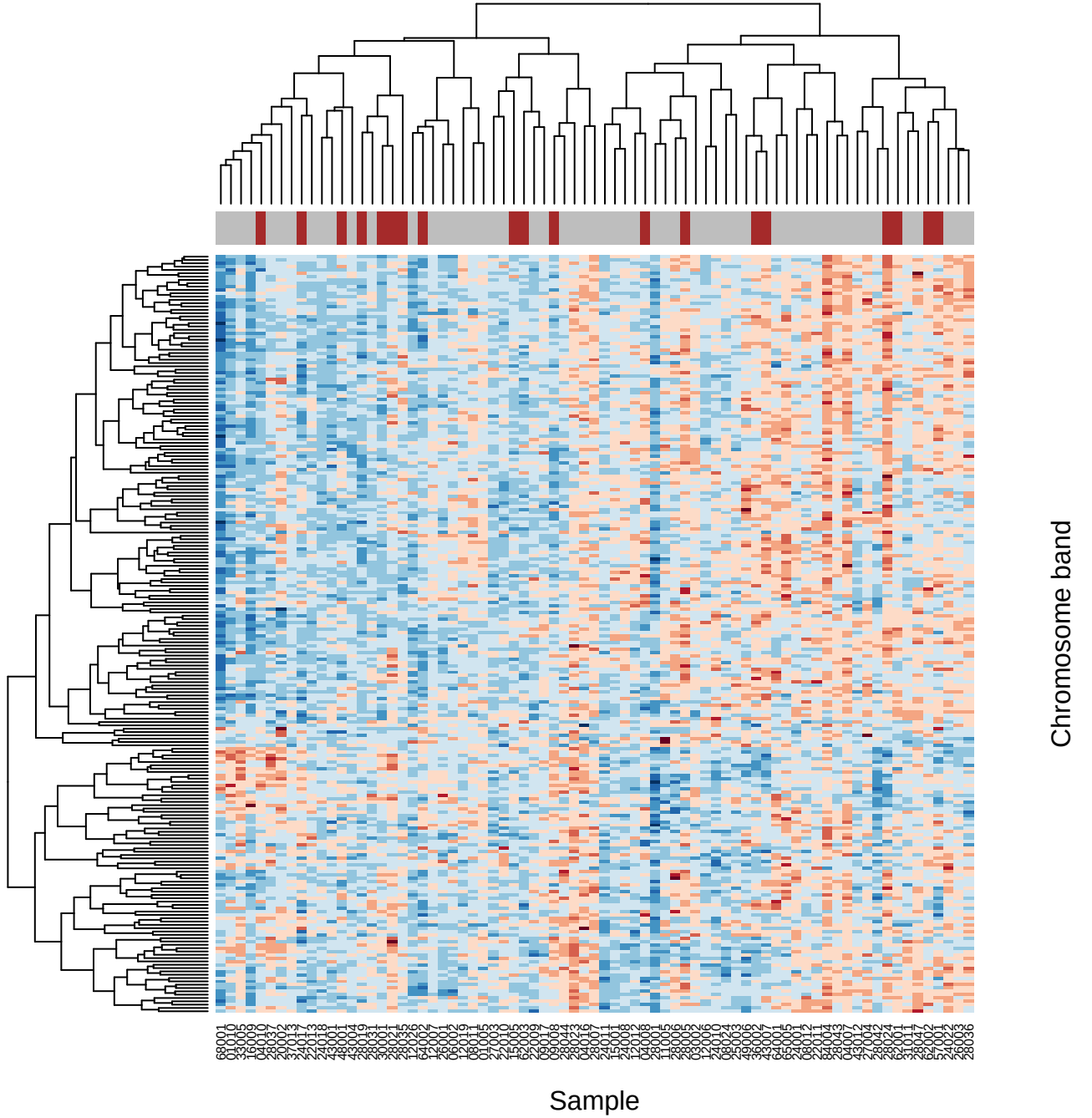

The t−test as a Linear Model
One−Factor Linear Model t−statistic
T−test t−statistic
−6
−4
−2
0
2
4
−4
−2
0
2
4
6

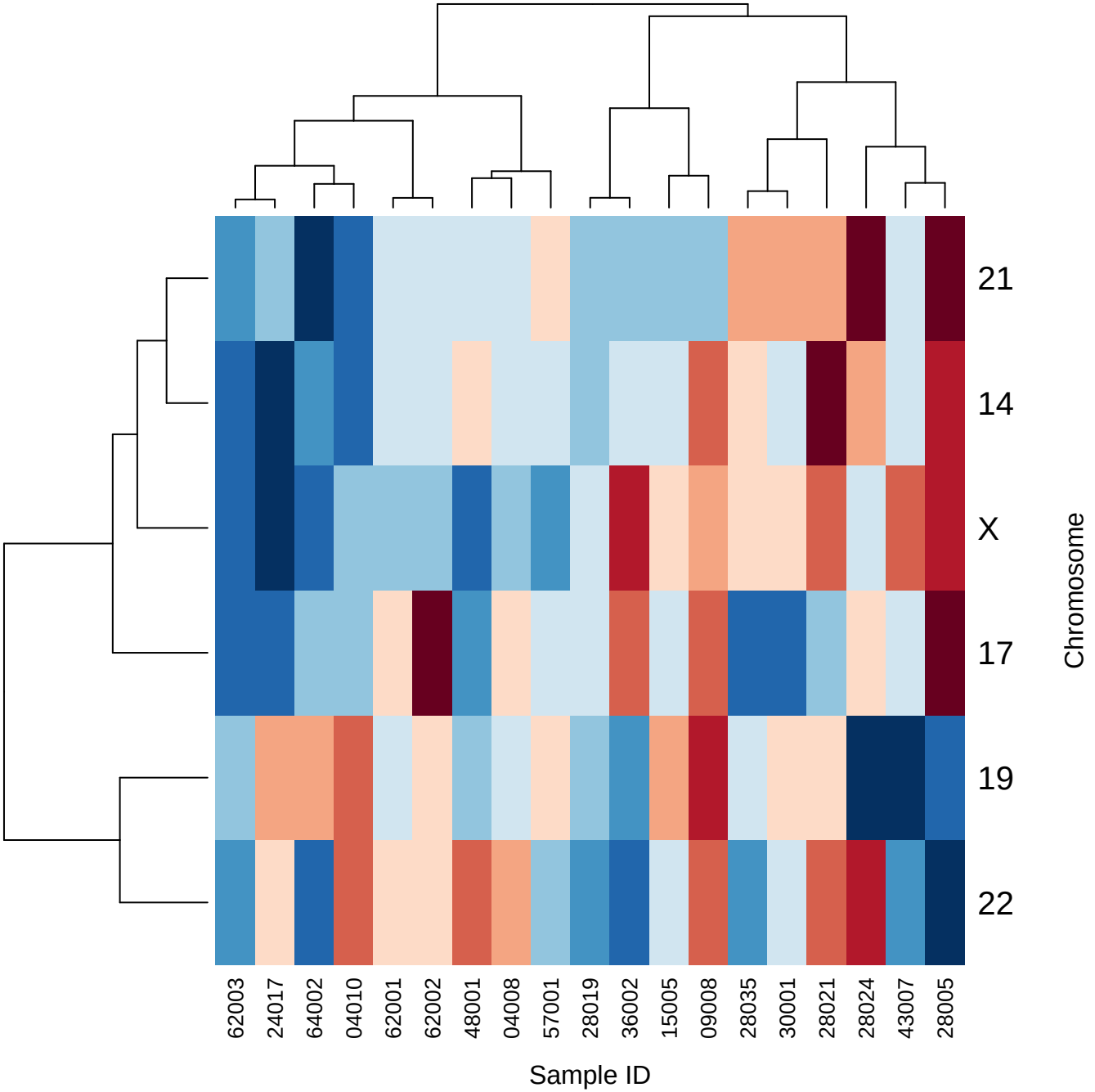

All NEG Residuals by Sample (3587 Genes)
68001
64002
64001
57001
48001
43012
43007
43004
36002
33005
28047
28044
28043
28042
28037
28035
28031
28024
28023
28007
28006
28005
28001
26001
25006
25003
24018
24008
22011
22009
16009
15001
12019
09017
08024
08012
06002
04016
04010
04008
04007
01010
−4
−2
0
2
4
Standardized Residual


All BCR/ABL Residuals by Sample (3587 Genes)
84004
68003
65005
62003
62002
62001
49006
43001
37013
31011
30001
28036
28021
28019
27004
27003
26003
24022
24017
24011
24010
24001
22013
22010
20002
15005
14016
12026
12012
12007
12006
11005
09008
08011
08001
03002
01005
−4
−2
0
2
4
Standardized Residual

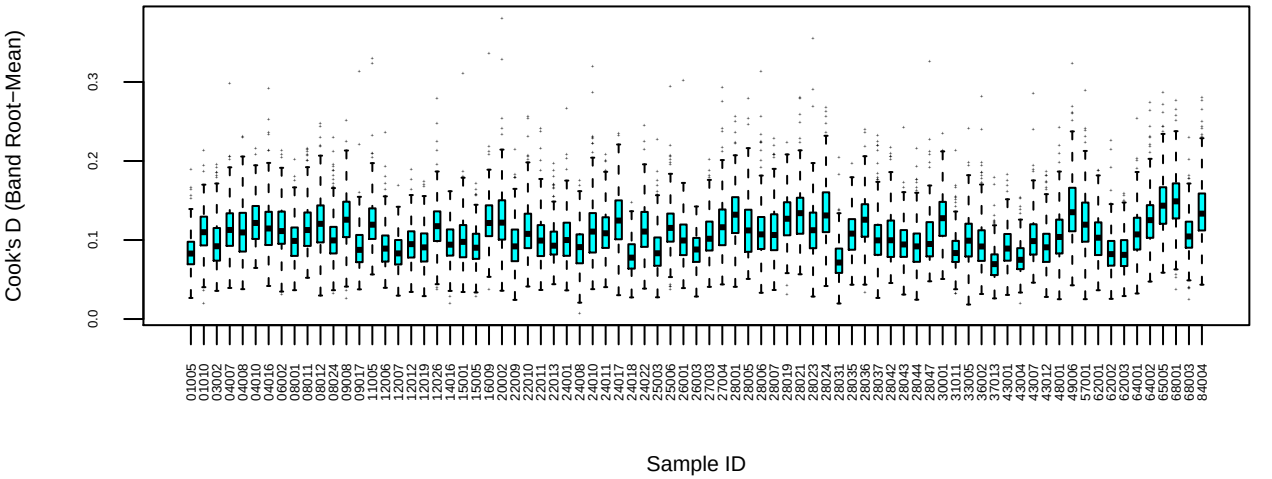
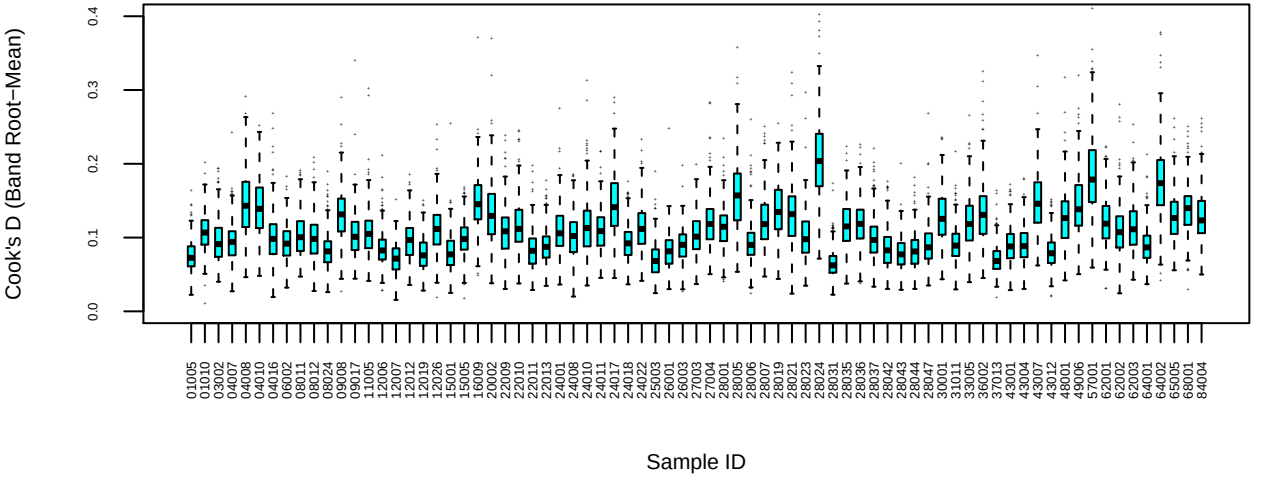

Chromosome band
Sample


Chromosome band
Sample


Chromosome band
Sample


21
14
X
17
19
22
Chromosome
62003
24017
64002
04010
62001
62002
48001
04008
57001
28019
36002
15005
09008
28035
30001
28021
28024
43007
28005
Sample ID

Influence by sample and Chromosome Band: 1−Factor Model



Influence by Sample and Chromosome Band: 3−Factor Model