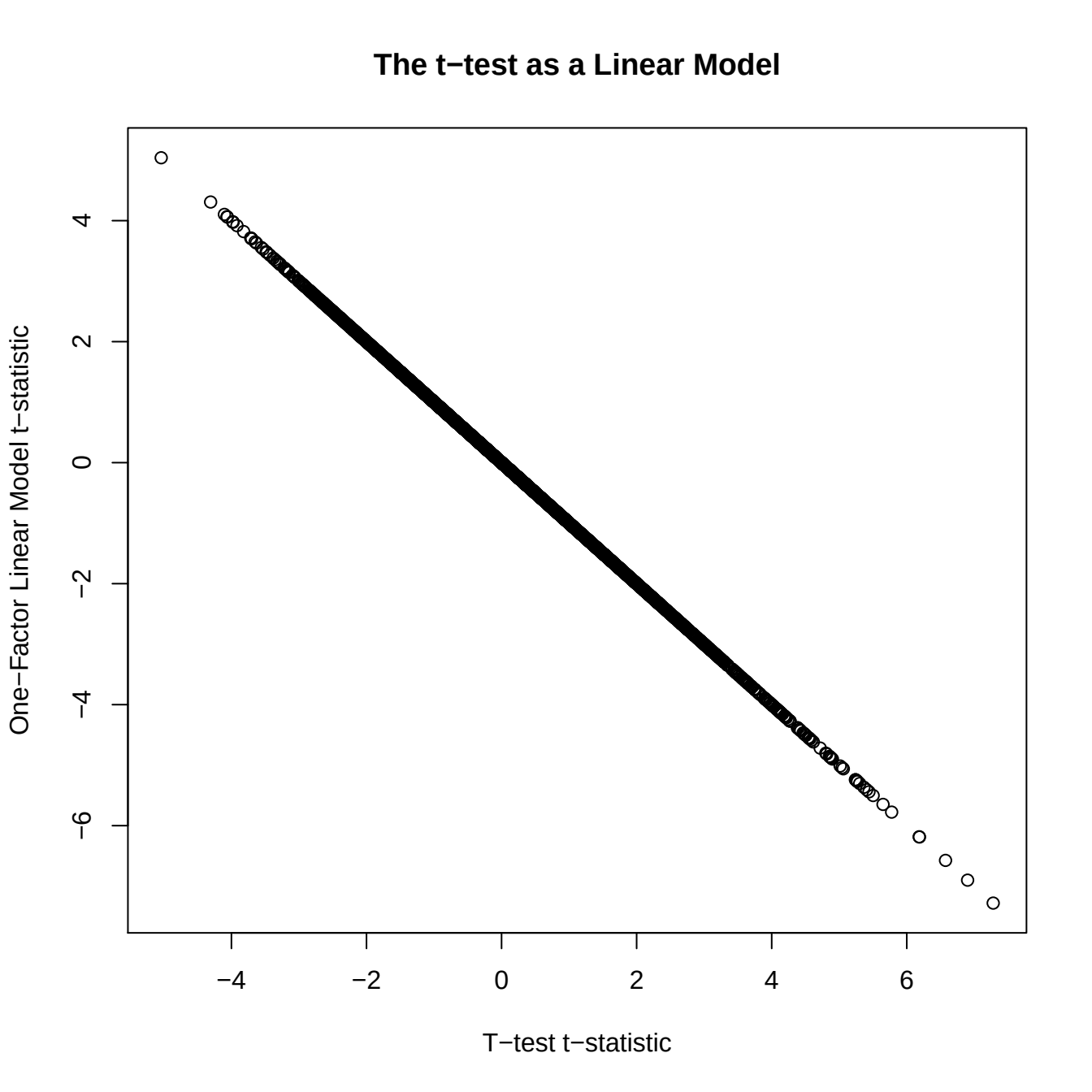
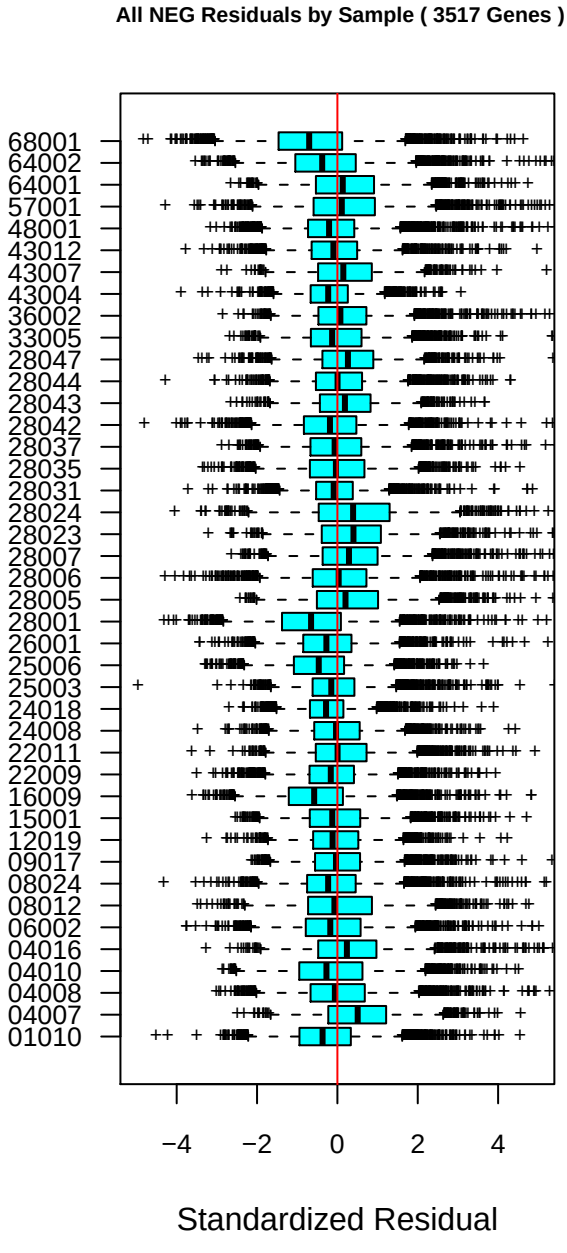
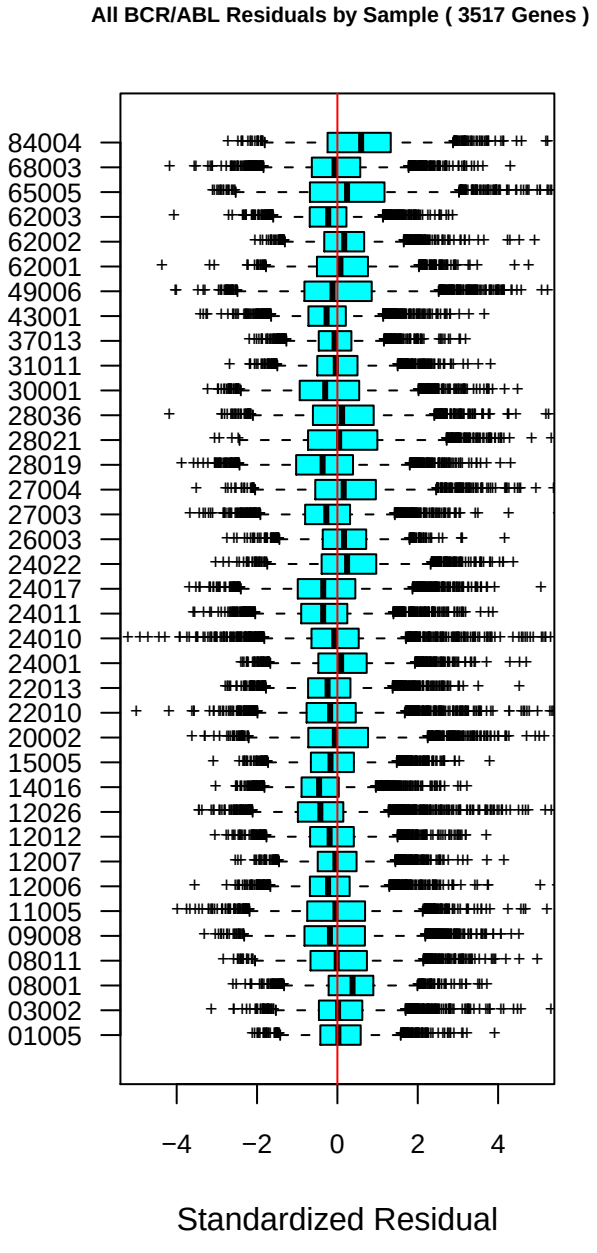
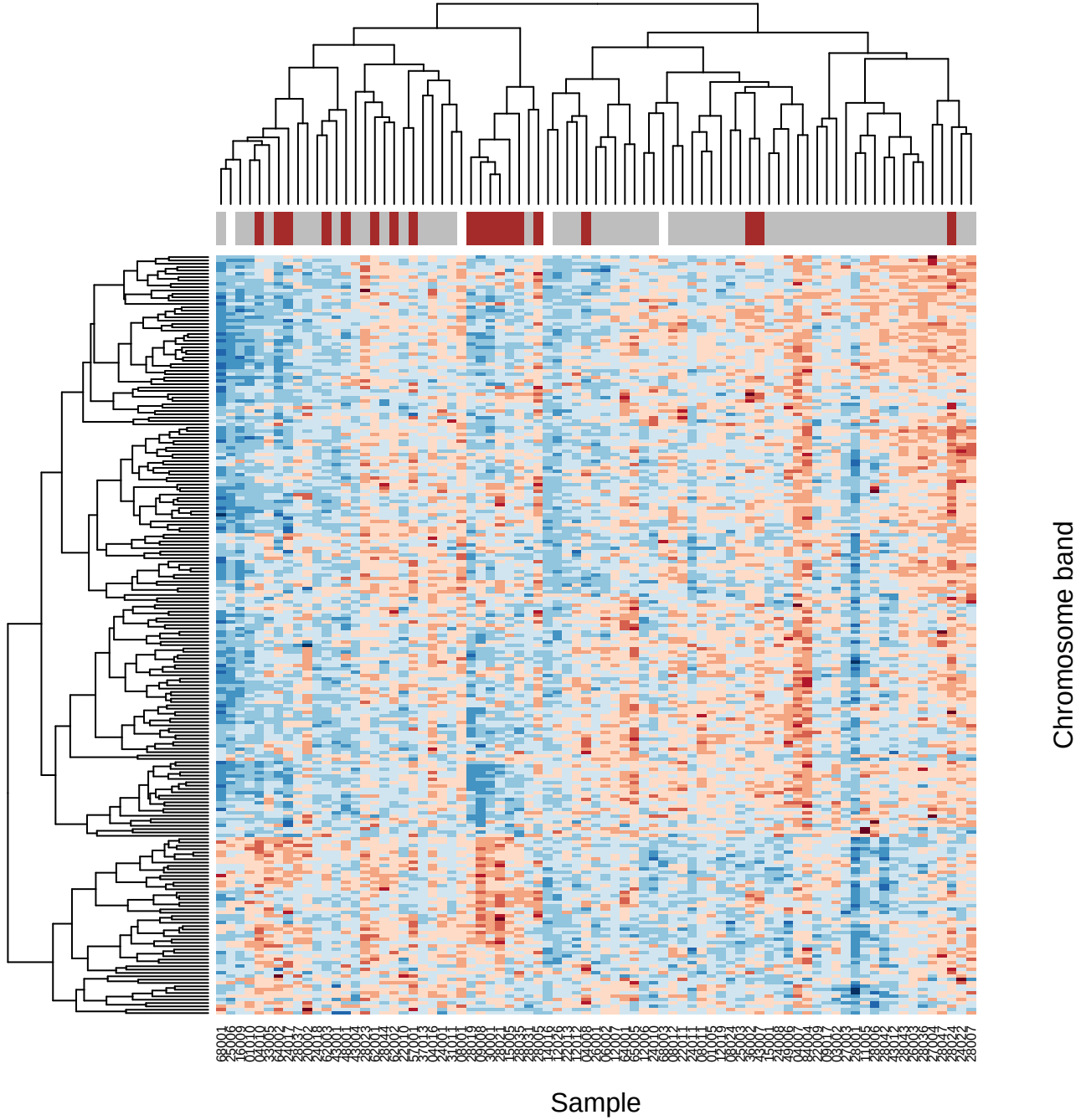
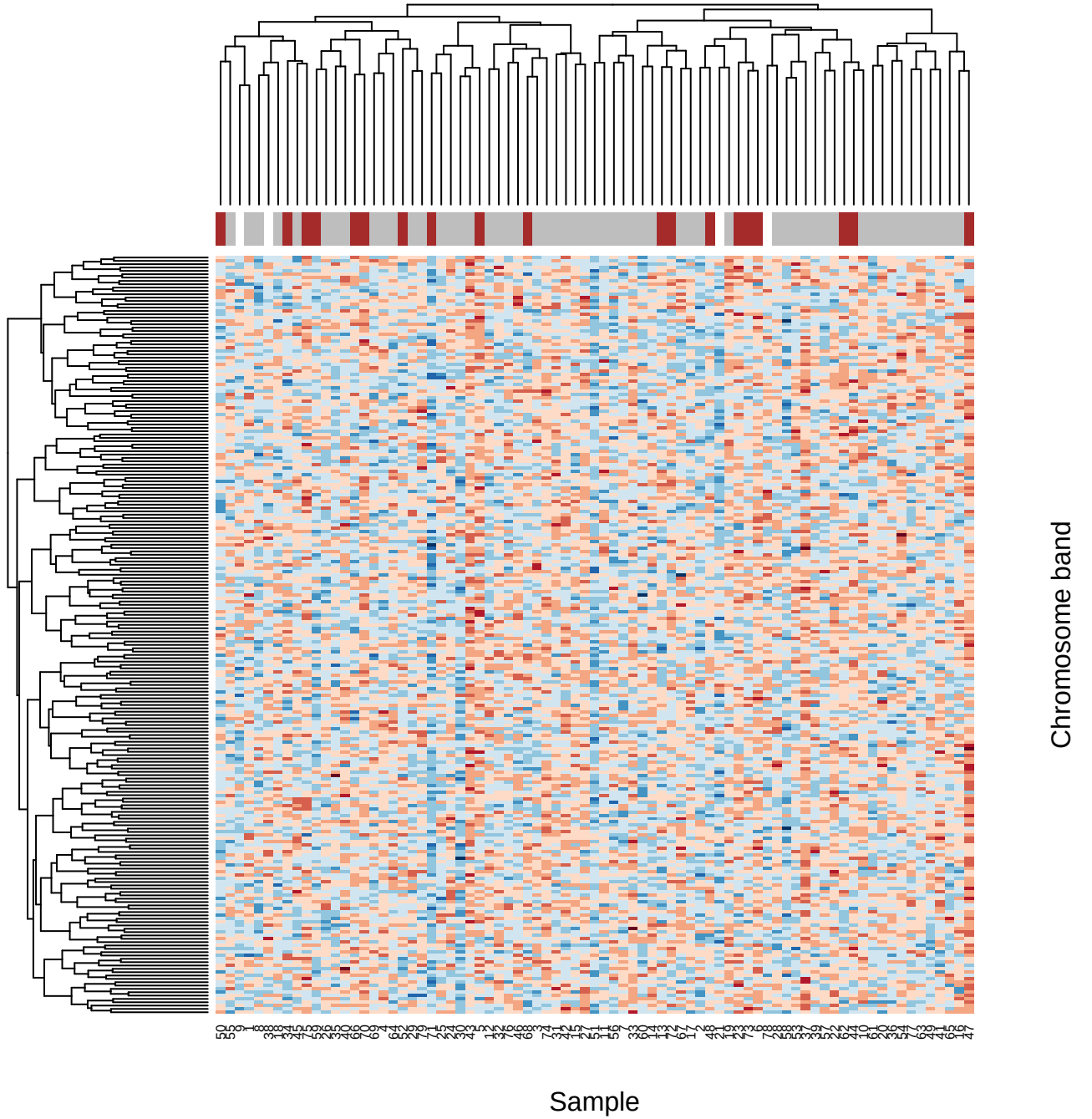
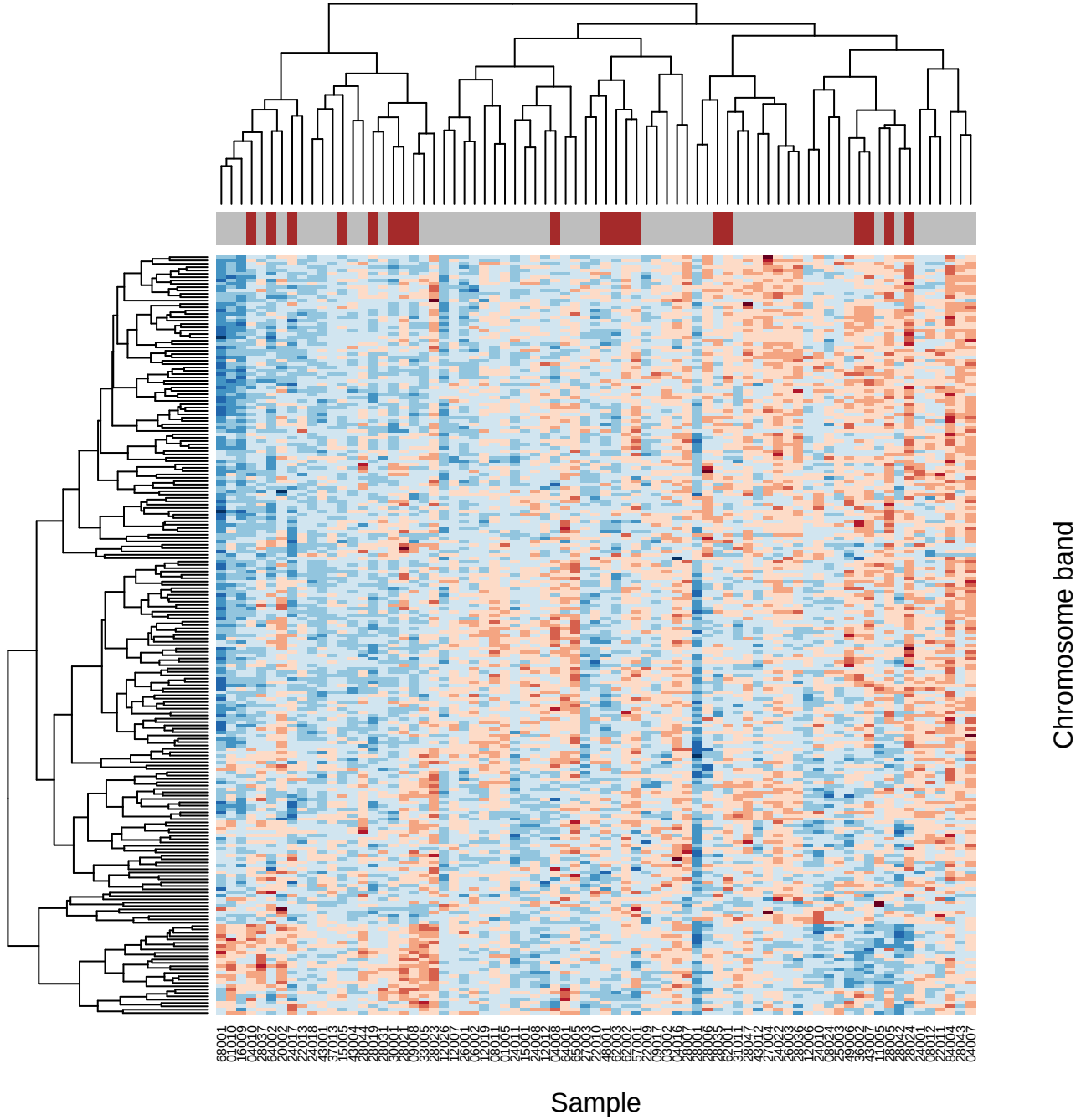

The t−test as a Linear Model
One−Factor Linear Model t−statistic
T−test t−statistic
−6
−4
−2
0
2
4
−4
−2
0
2
4
6

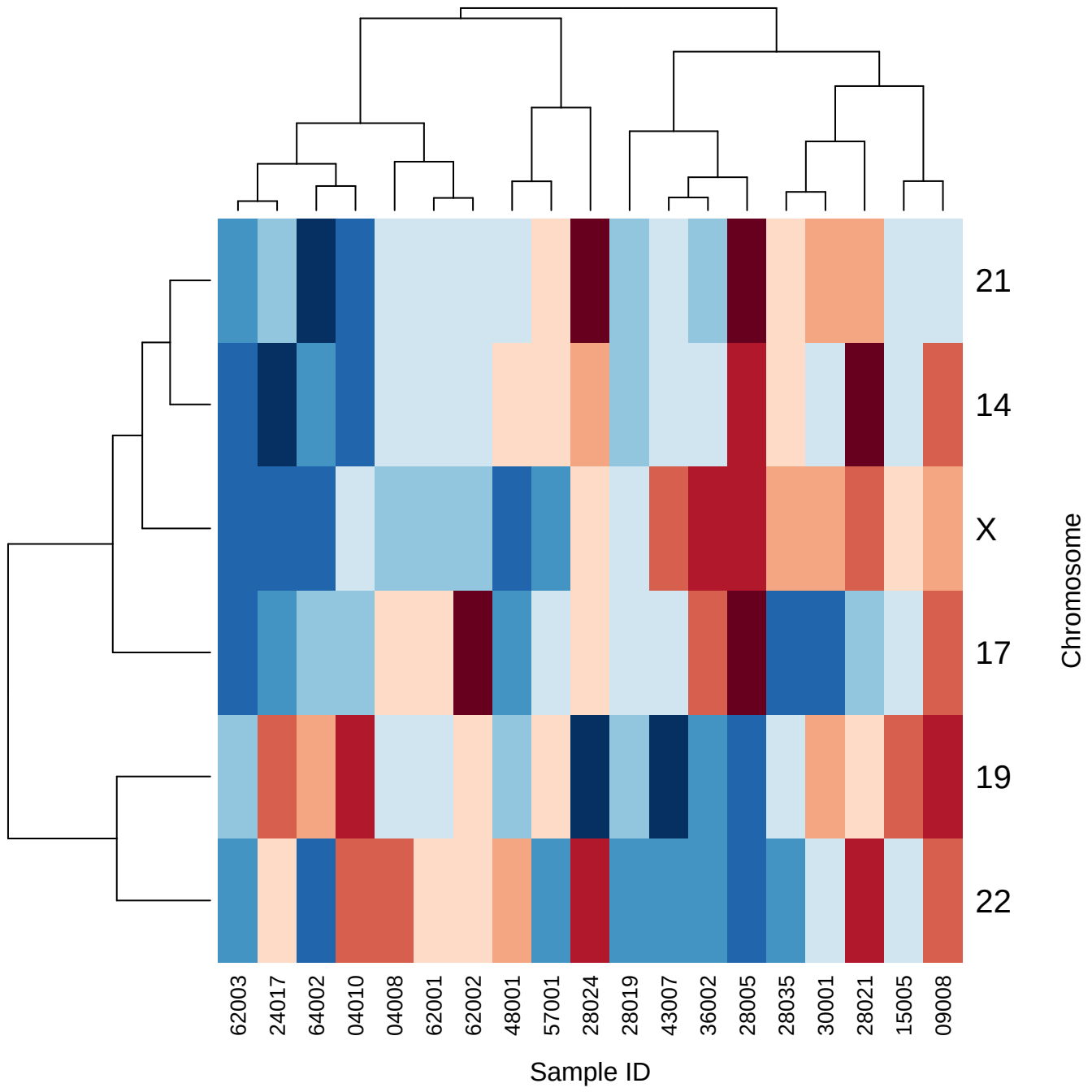

All NEG Residuals by Sample (3517 Genes)
68001
64002
64001
57001
48001
43012
43007
43004
36002
33005
28047
28044
28043
28042
28037
28035
28031
28024
28023
28007
28006
28005
28001
26001
25006
25003
24018
24008
22011
22009
16009
15001
12019
09017
08024
08012
06002
04016
04010
04008
04007
01010
−4
−2
0
2
4
Standardized Residual

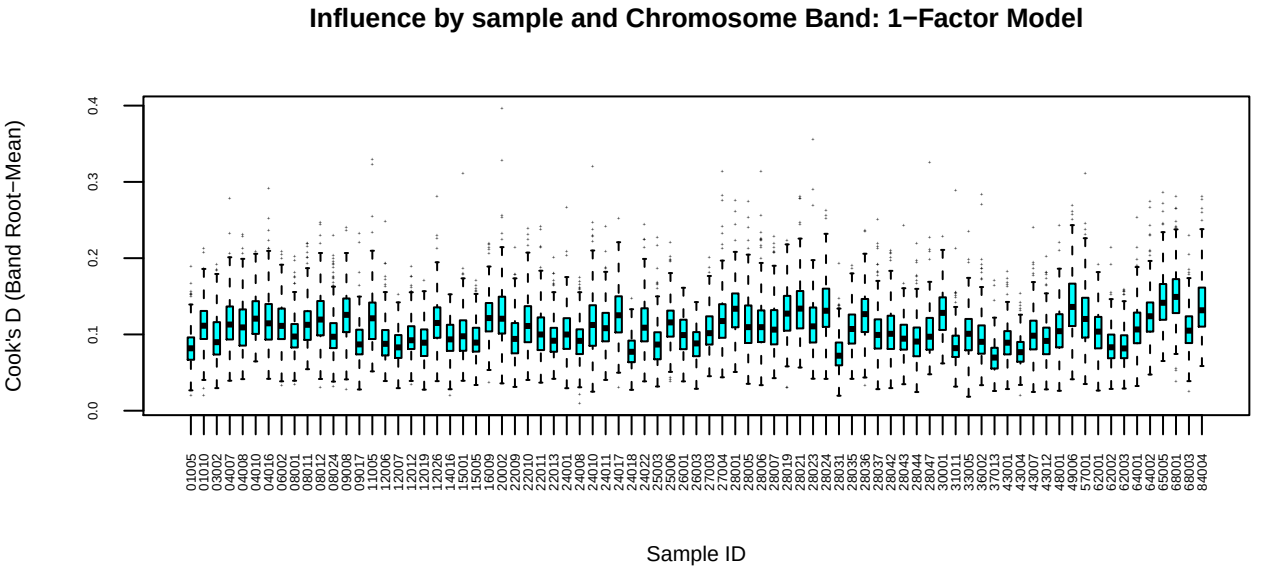

All BCR/ABL Residuals by Sample (3517 Genes)
84004
68003
65005
62003
62002
62001
49006
43001
37013
31011
30001
28036
28021
28019
27004
27003
26003
24022
24017
24011
24010
24001
22013
22010
20002
15005
14016
12026
12012
12007
12006
11005
09008
08011
08001
03002
01005
−4
−2
0
2
4
Standardized Residual

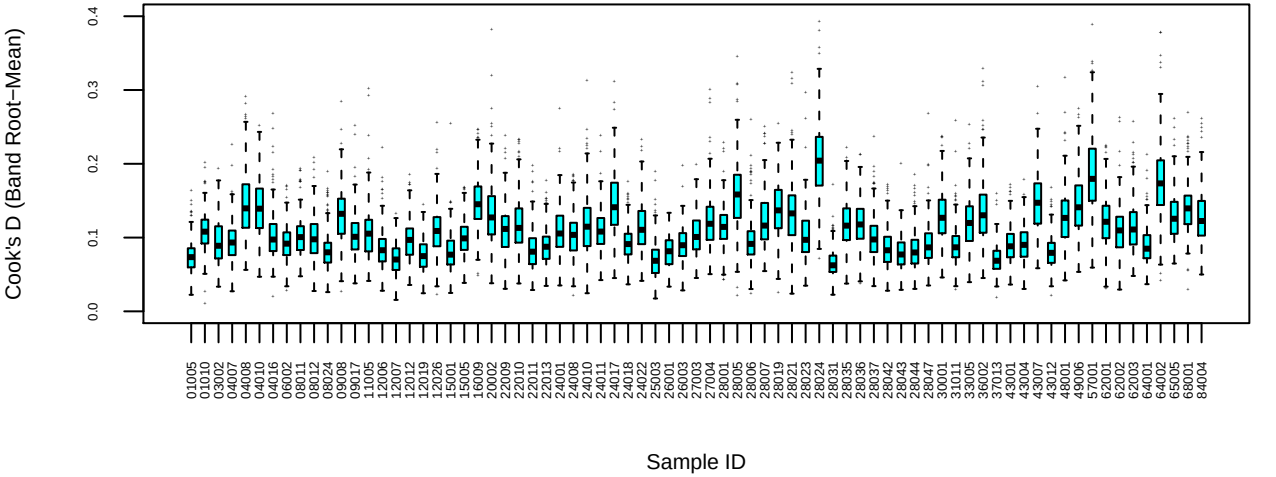

Chromosome band
Sample


Chromosome band
Sample


Chromosome band
Sample


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


Influence by sample and Chromosome Band: 1−Factor Model
Cook's D (Band Root−Mean)
0.0
0.1
0.2
0.3
0.4
01005 01010 03002 04007 04008 04010 04016 06002 08001 08011 08012 08024 09008 09017 11005 12006 12007 12012 12019 12026 14016 15001 15005 16009 20002 22009 22010 22011 22013 24001 24008 24010 24011 24017 24018 24022 25003 25006 26001 26003 27003 27004 28001 28005 28006 28007 28019 28021 28023 28024 28031 28035 28036 28037 28042 28043 28044 28047 30001 31011 33005 36002 37013 43001 43004 43007 43012 48001 49006 57001 62001 62002 62003 64001 64002 65005 68001 68003 84004
Sample ID


Influence by Sample and Chromosome Band: 3−Factor Model
Cook's D (Band Root−Mean)
0.0
0.1
0.2
0.3
0.4
01005 01010 03002 04007 04008 04010 04016 06002 08011 08012 08024 09008 09017 11005 12006 12007 12012 12019 12026 15001 15005 16009 20002 22009 22010 22011 22013 24001 24008 24010 24011 24017 24018 24022 25003 26001 26003 27003 27004 28001 28005 28006 28007 28019 28021 28023 28024 28031 28035 28036 28037 28042 28043 28044 28047 30001 31011 33005 36002 37013 43001 43004 43007 43012 48001 49006 57001 62001 62002 62003 64001 64002 65005 68001 84004
Sample ID