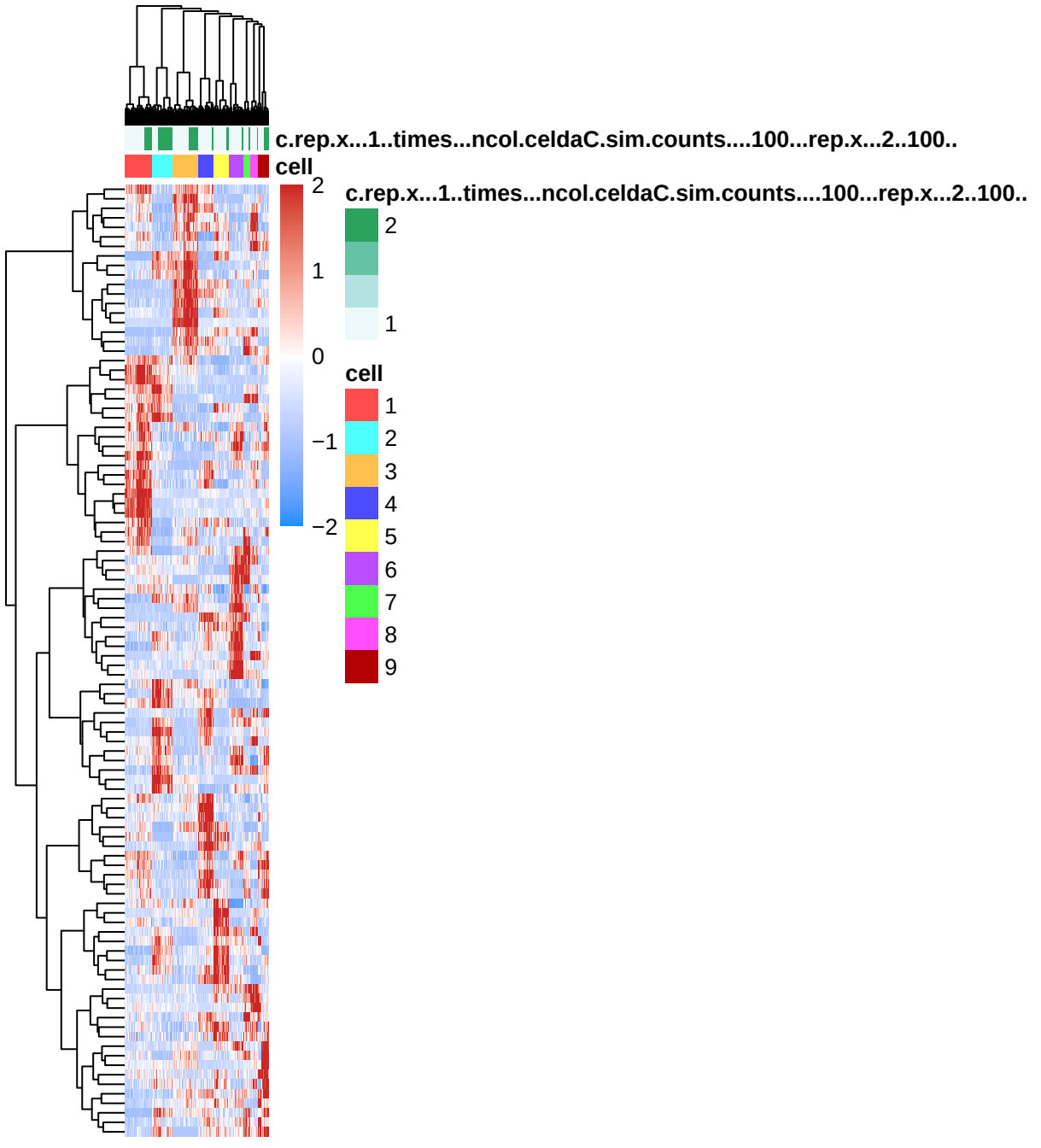
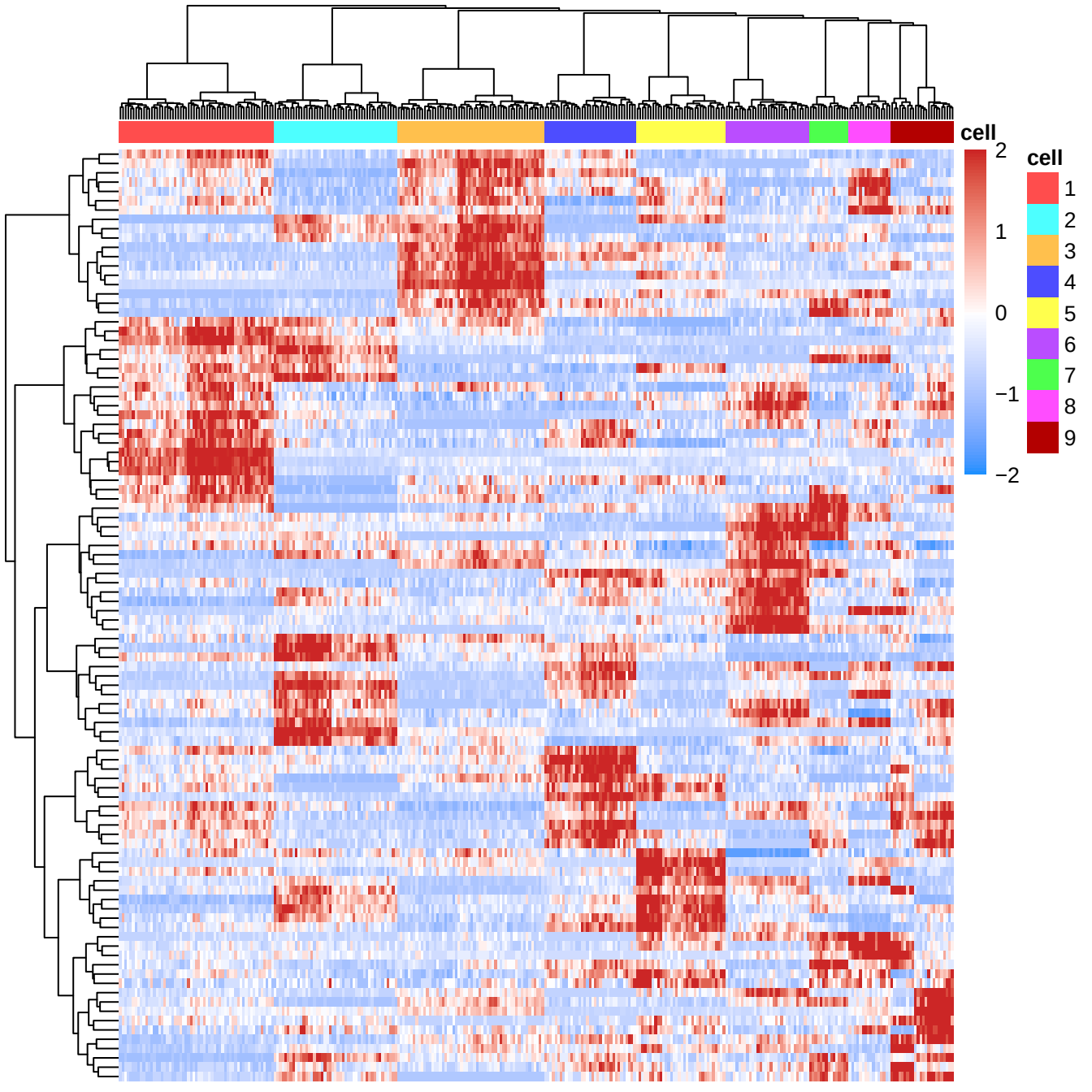
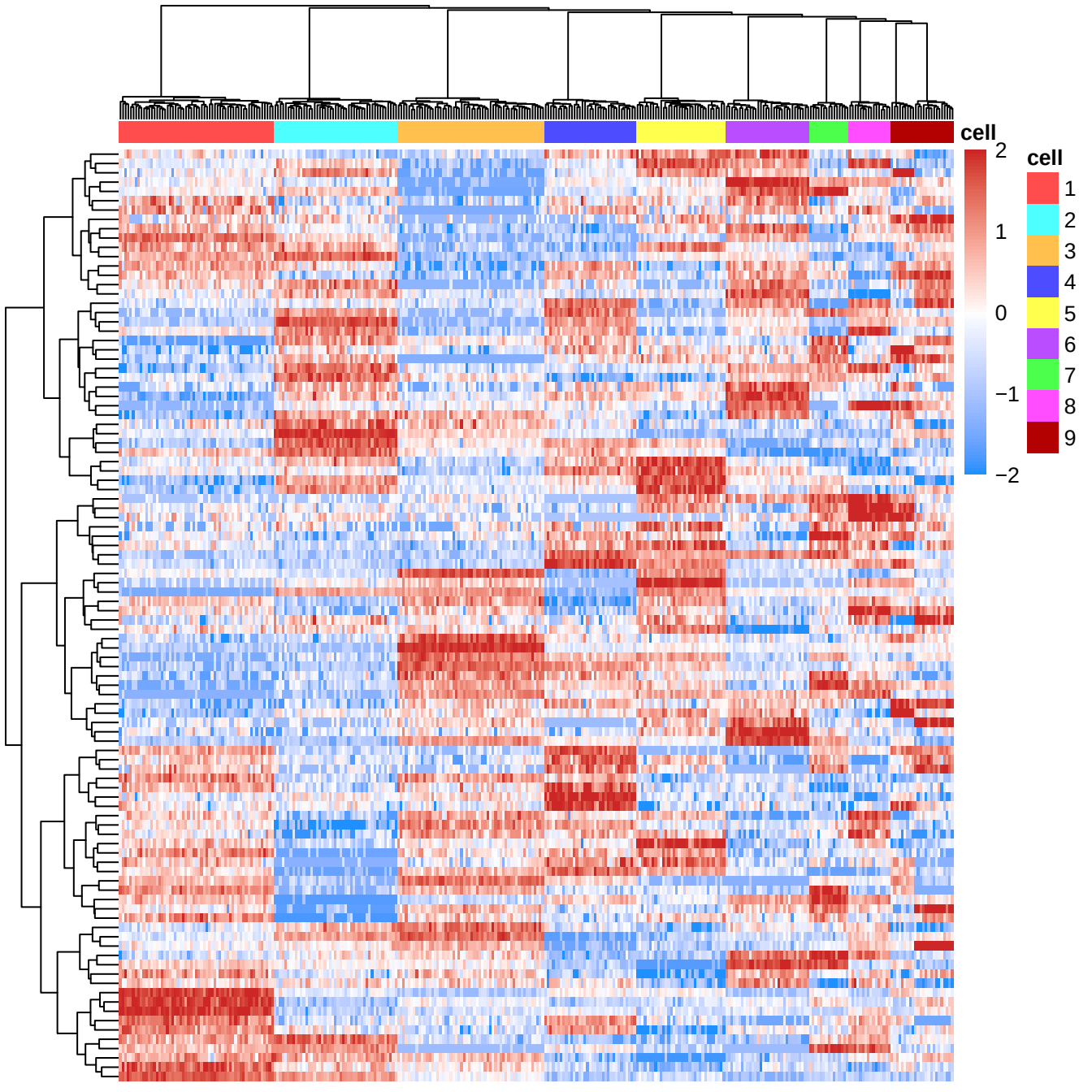
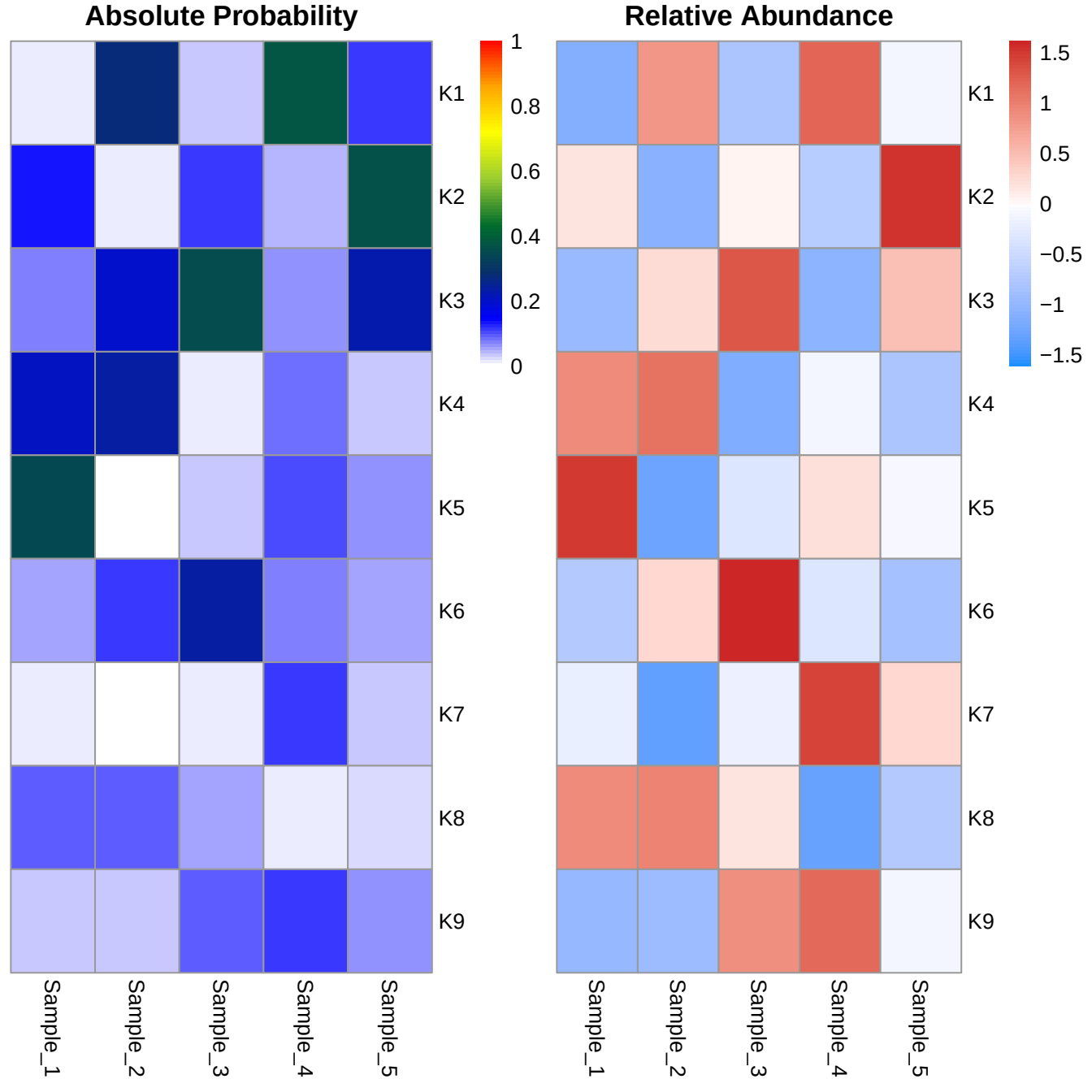
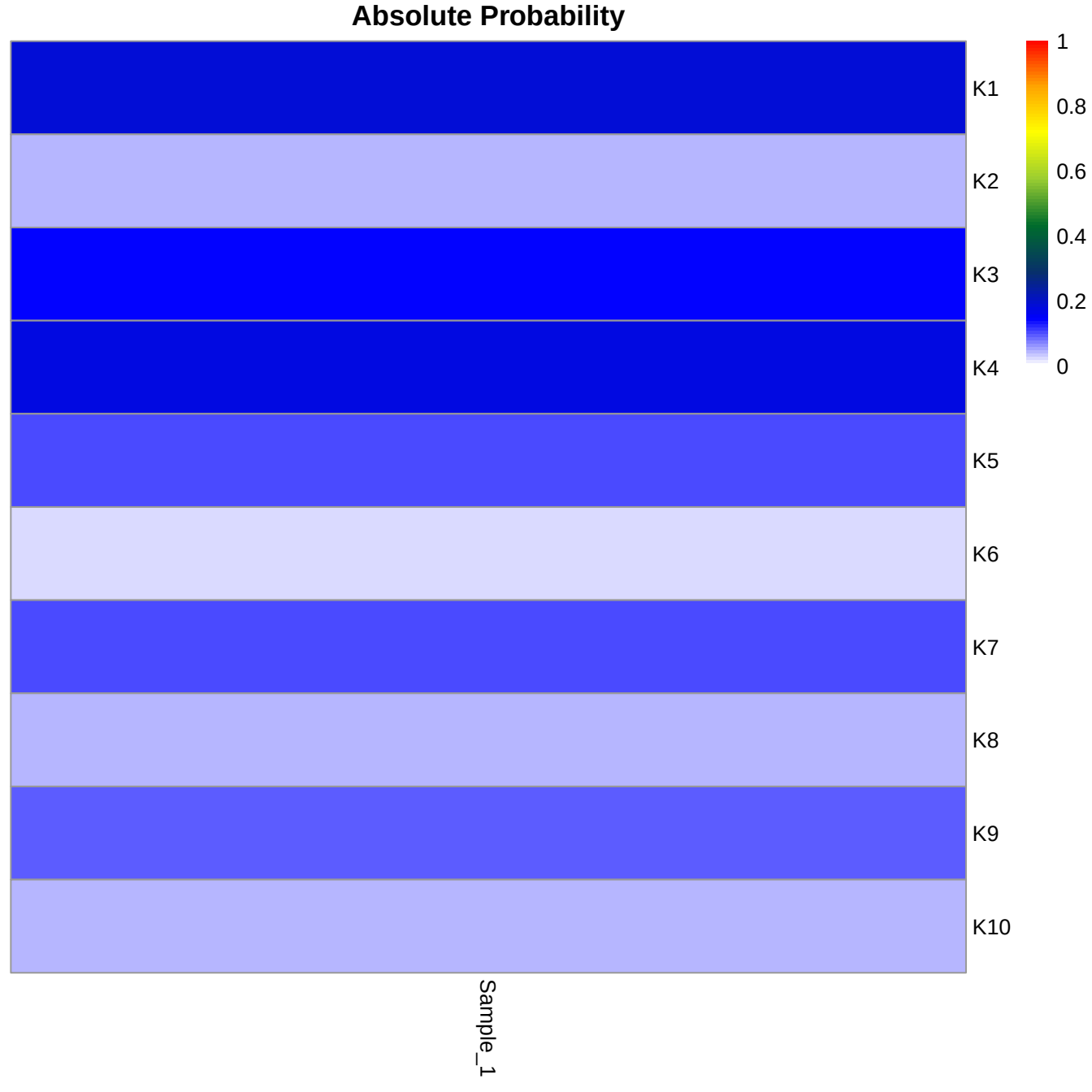
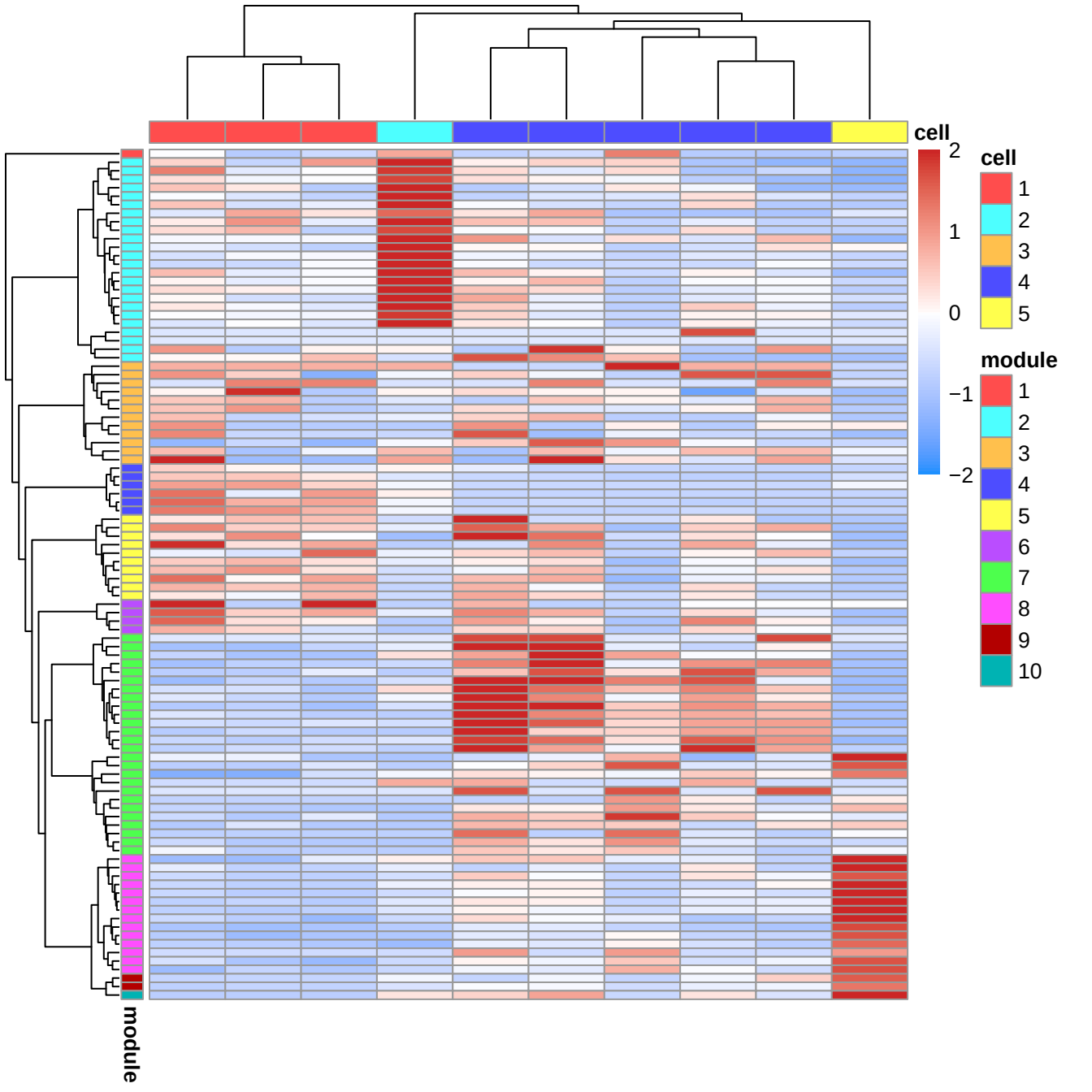

c.rep.x...1..times...ncol.celdaC.sim.counts....100...rep.x...2..100..
cell
2
1
0
−1
−2
c.rep.x...1..times...ncol.celdaC.sim.counts....100...rep.x...2..100..
2
1
cell
1
2
3
4
5
6
7
8
9

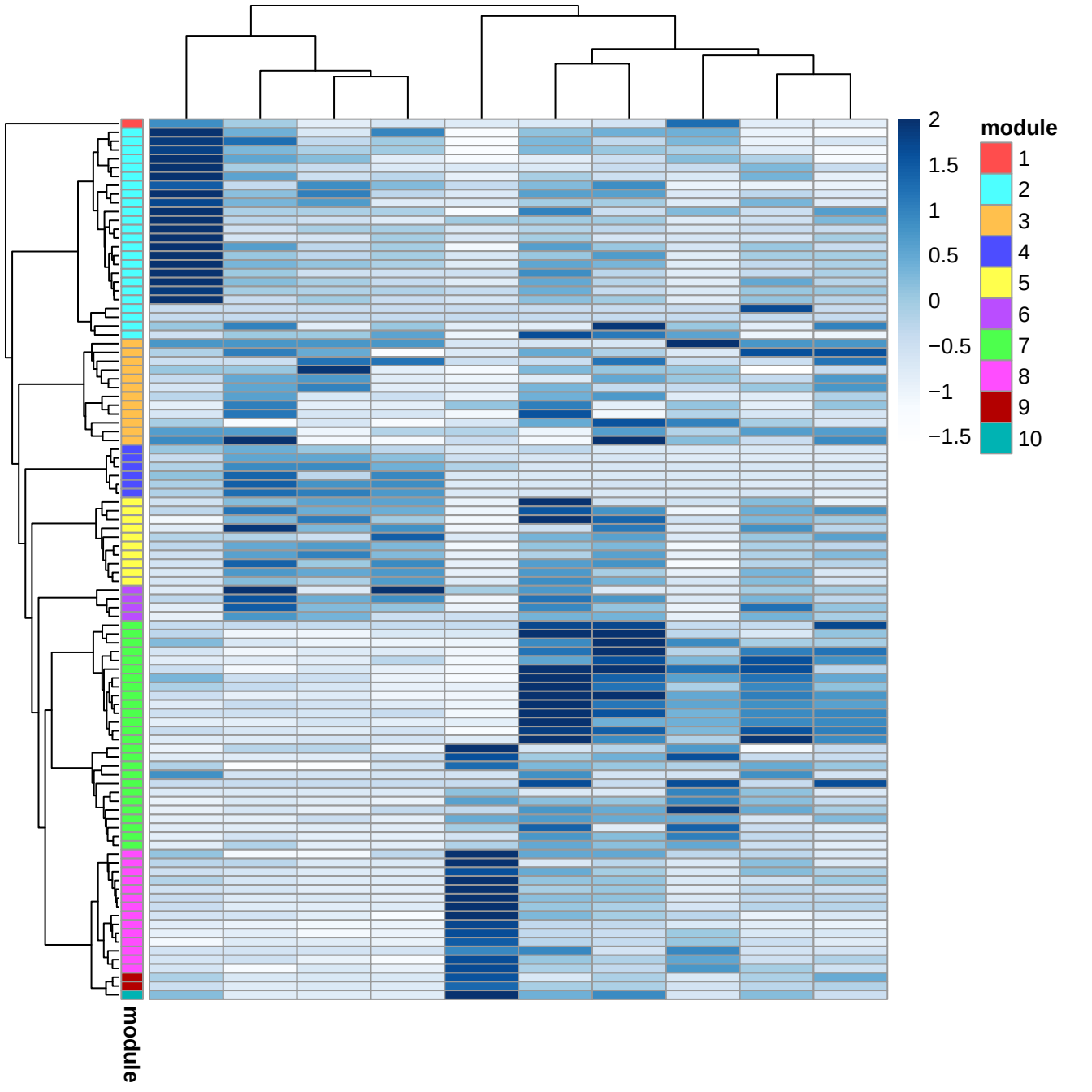

cell
2
1
0
−1
−2
cell
1
2
3
4
5
6
7
8
9

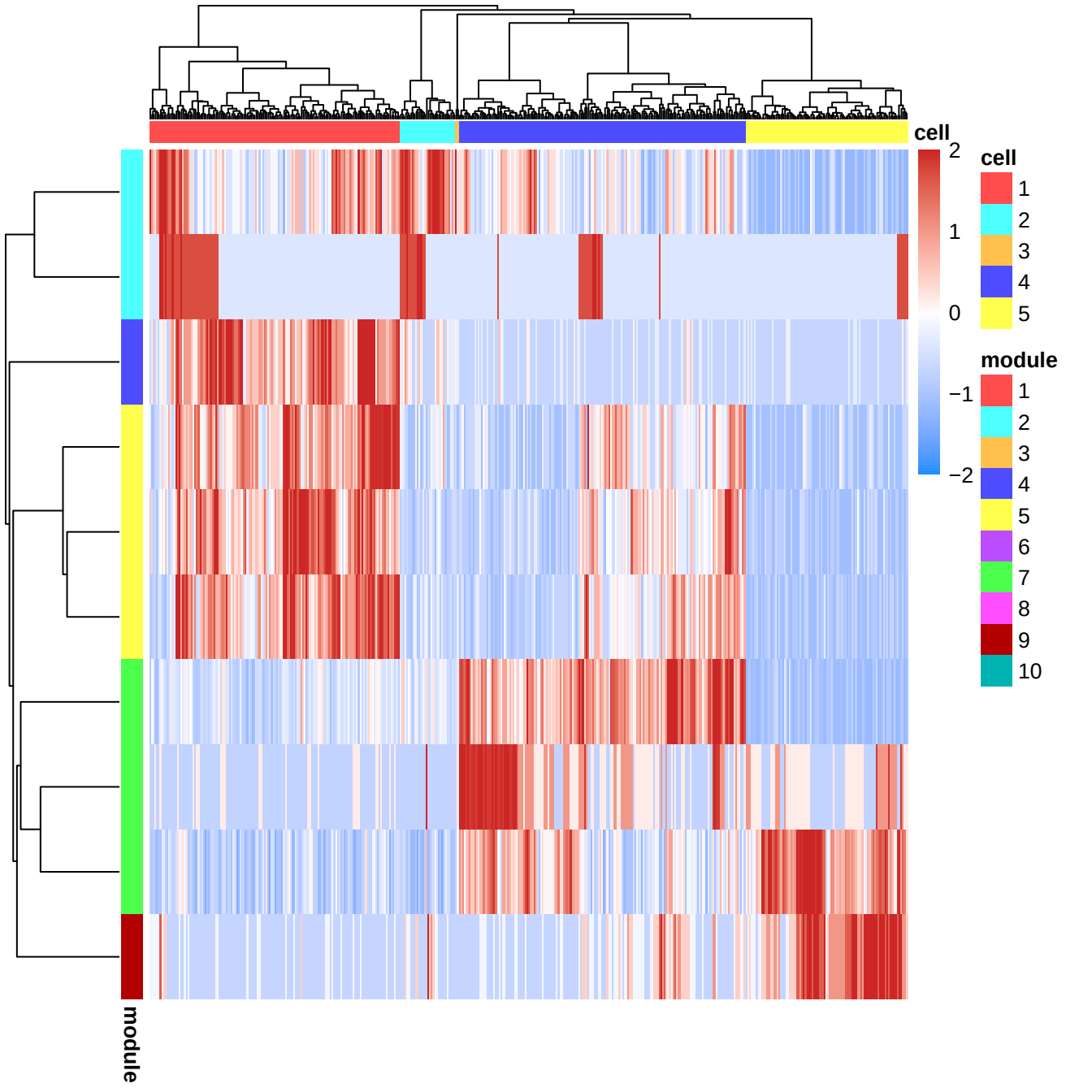

cell
2
1
0
−1
−2
cell
1
2
3
4
5
6
7
8
9

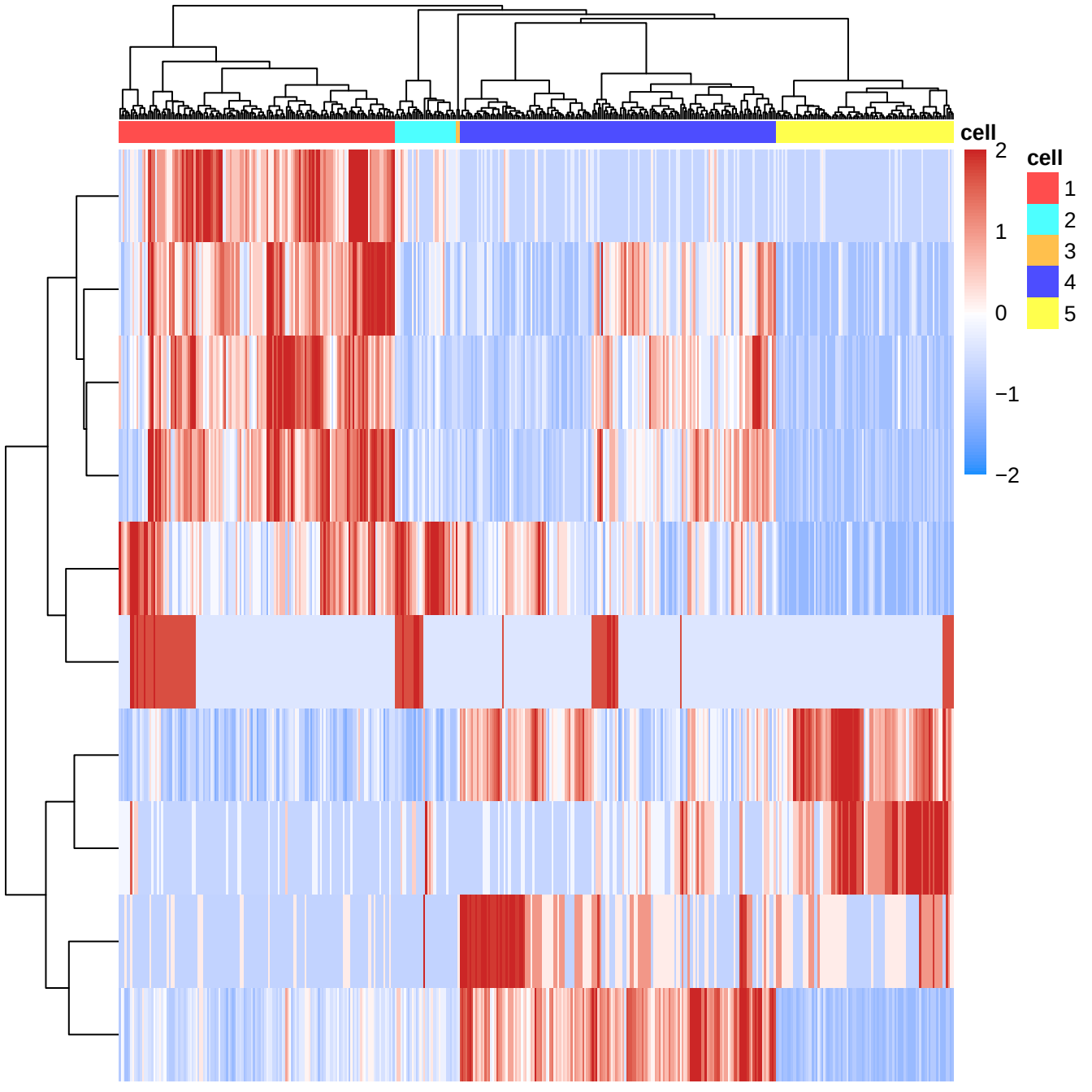

Absolute Probability
Relative Abundance
K1
K2
K3
K4
K5
K6
K7
K8
K9
1
0.8
0.6
0.4
0.2
0
1.5
1
0.5
0
−0.5
−1
−1.5
Sample_1
Sample_2
Sample_3
Sample_4
Sample_5

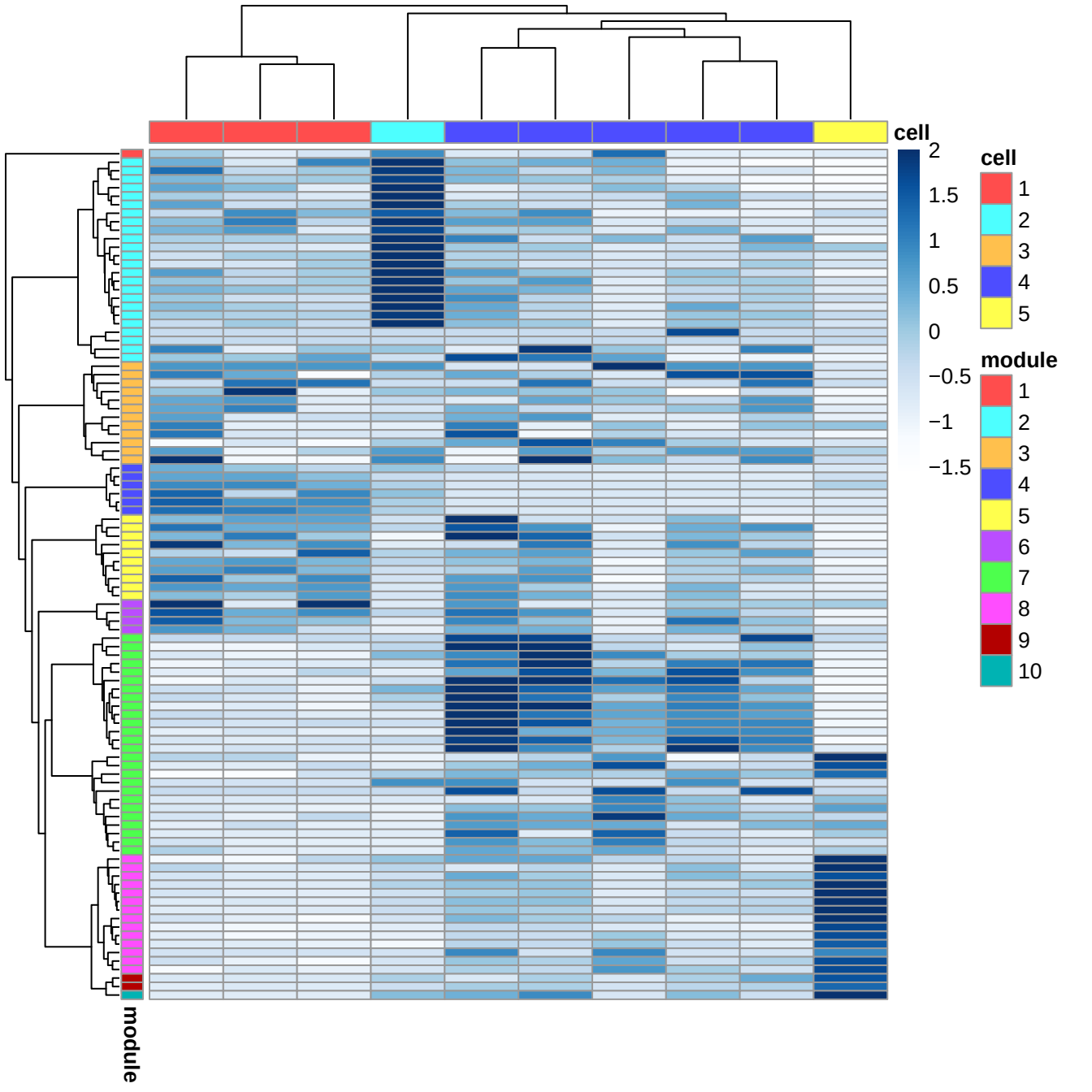

Absolute Probability
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
1
0.8
0.6
0.4
0.2
0
Sample_1

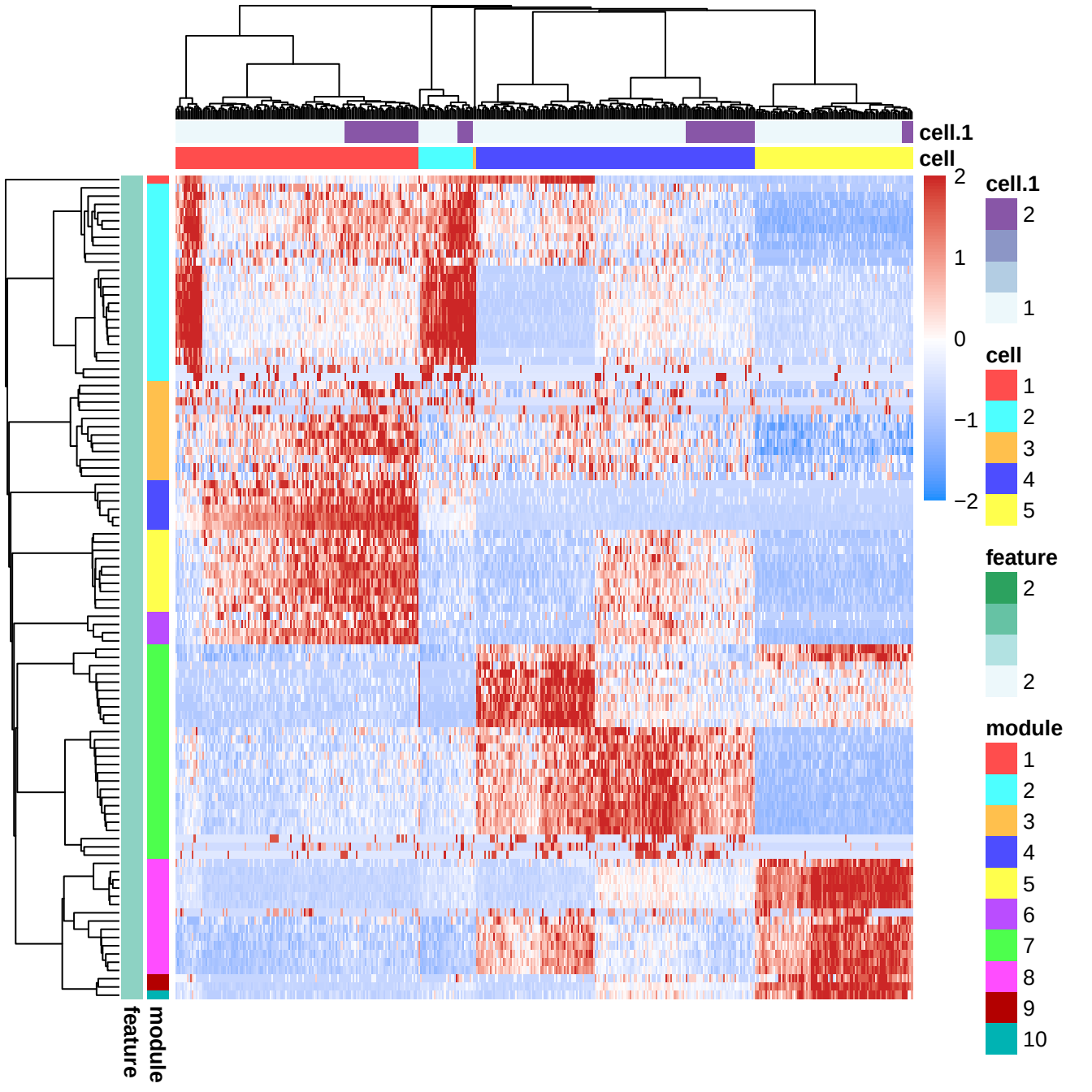

cell
2
1
0
−1
−2
cell
1
2
3
4
5
module
1
2
3
4
5
6
7
8
9
10
module

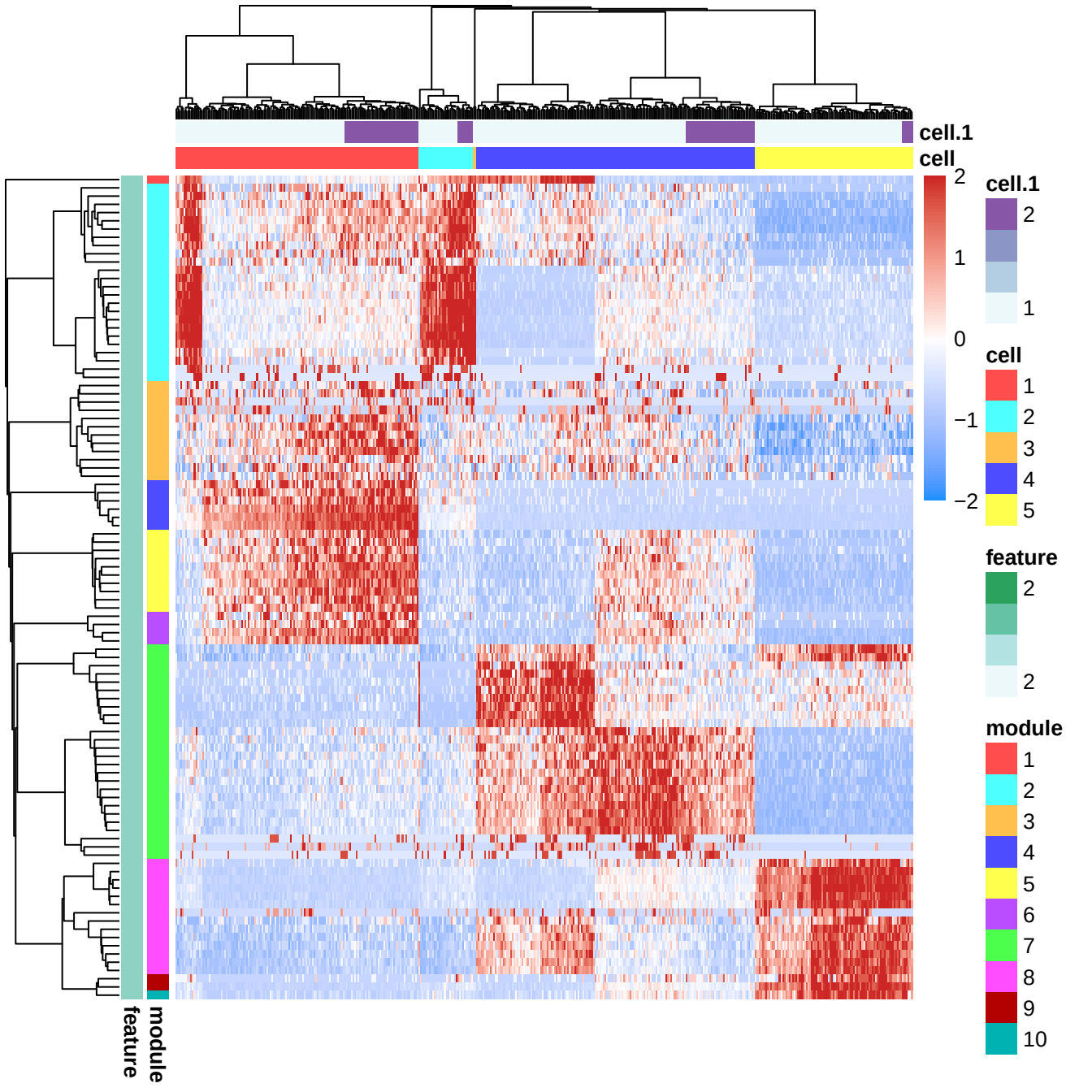

2
1.5
1
0.5
0
−0.5
−1
−1.5
module
1
2
3
4
5
6
7
8
9
10
module

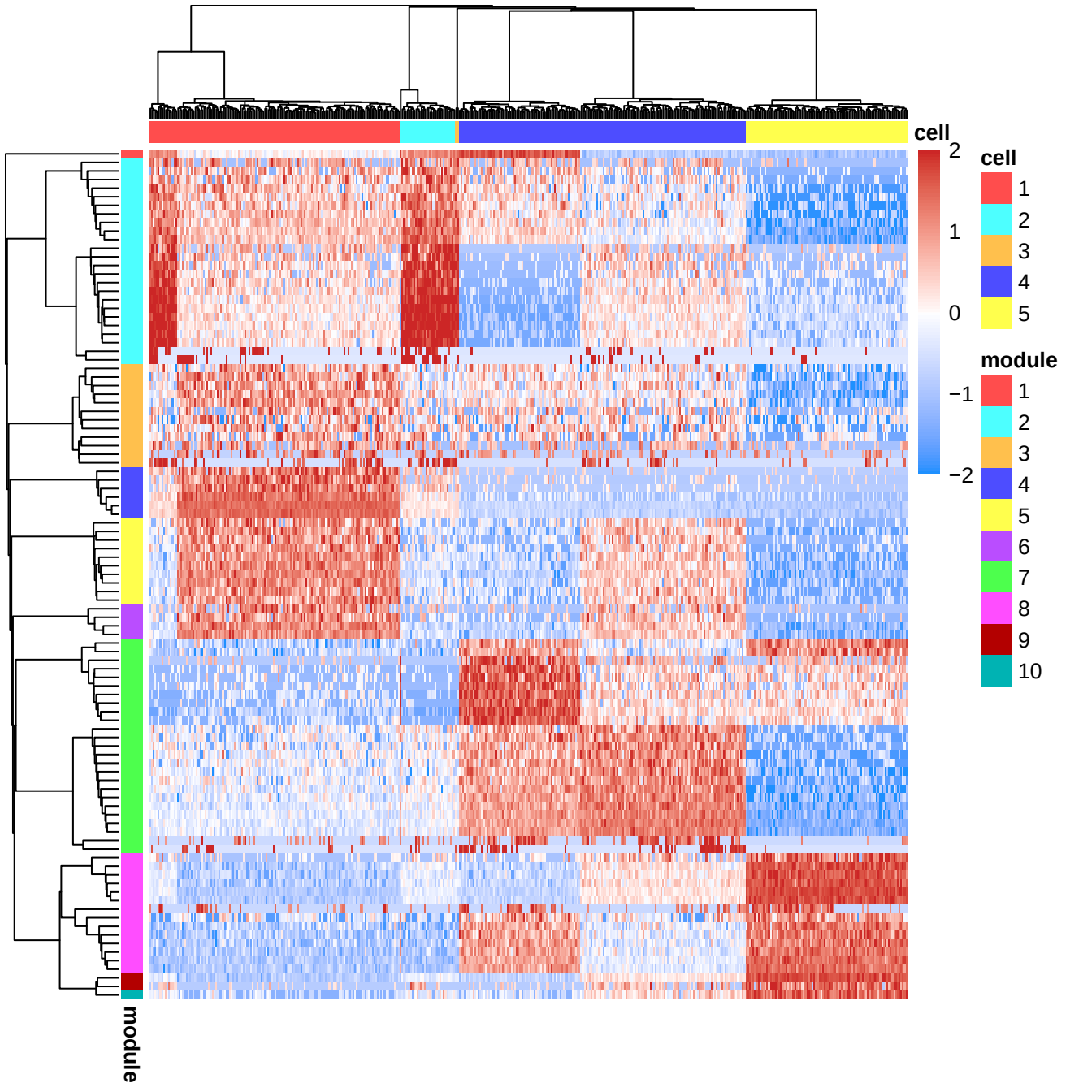

cell
2
1
0
−1
−2
cell
1
2
3
4
5
module
1
2
3
4
5
6
7
8
9
10
module

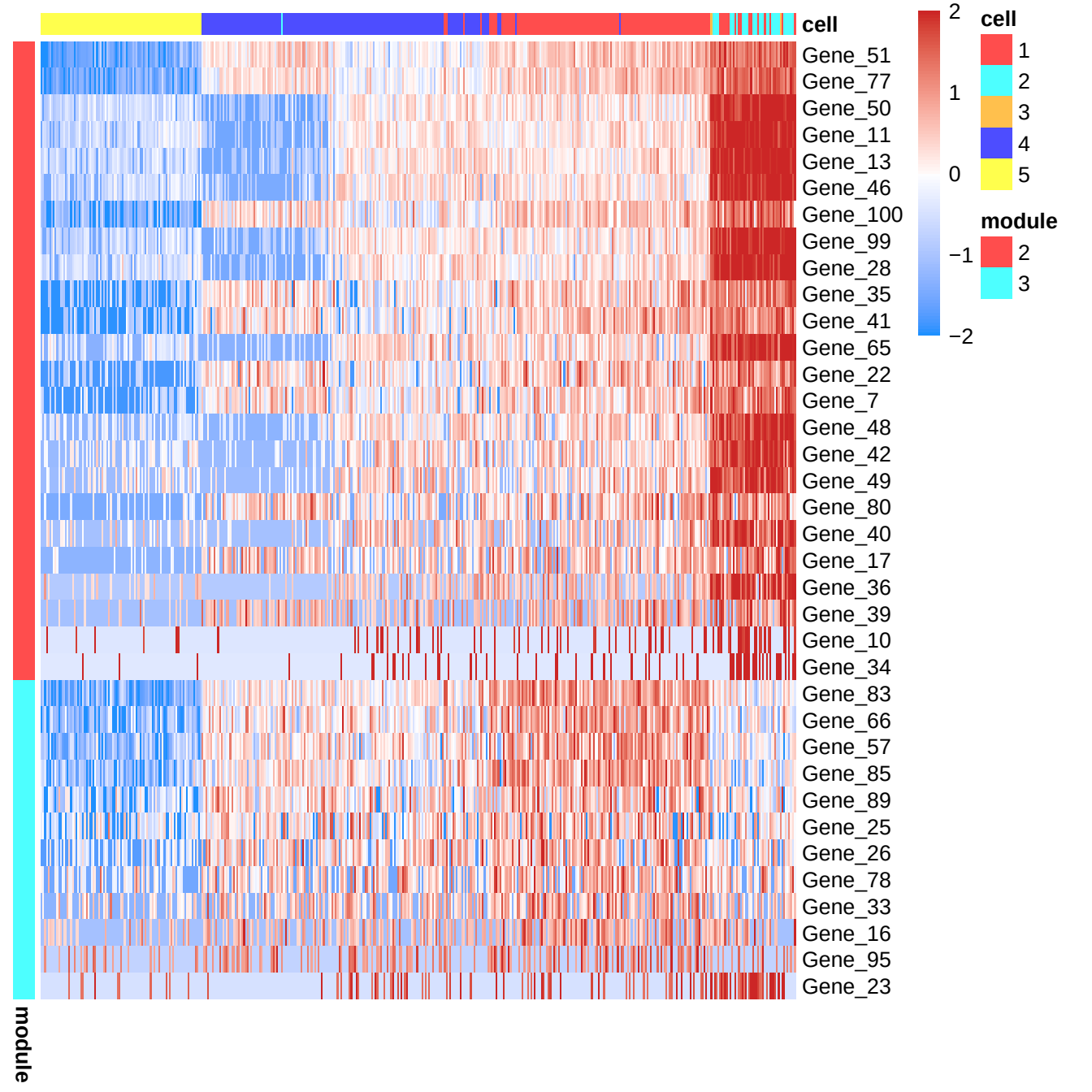

cell
2
1
0
−1
−2
cell
1
2
3
4
5

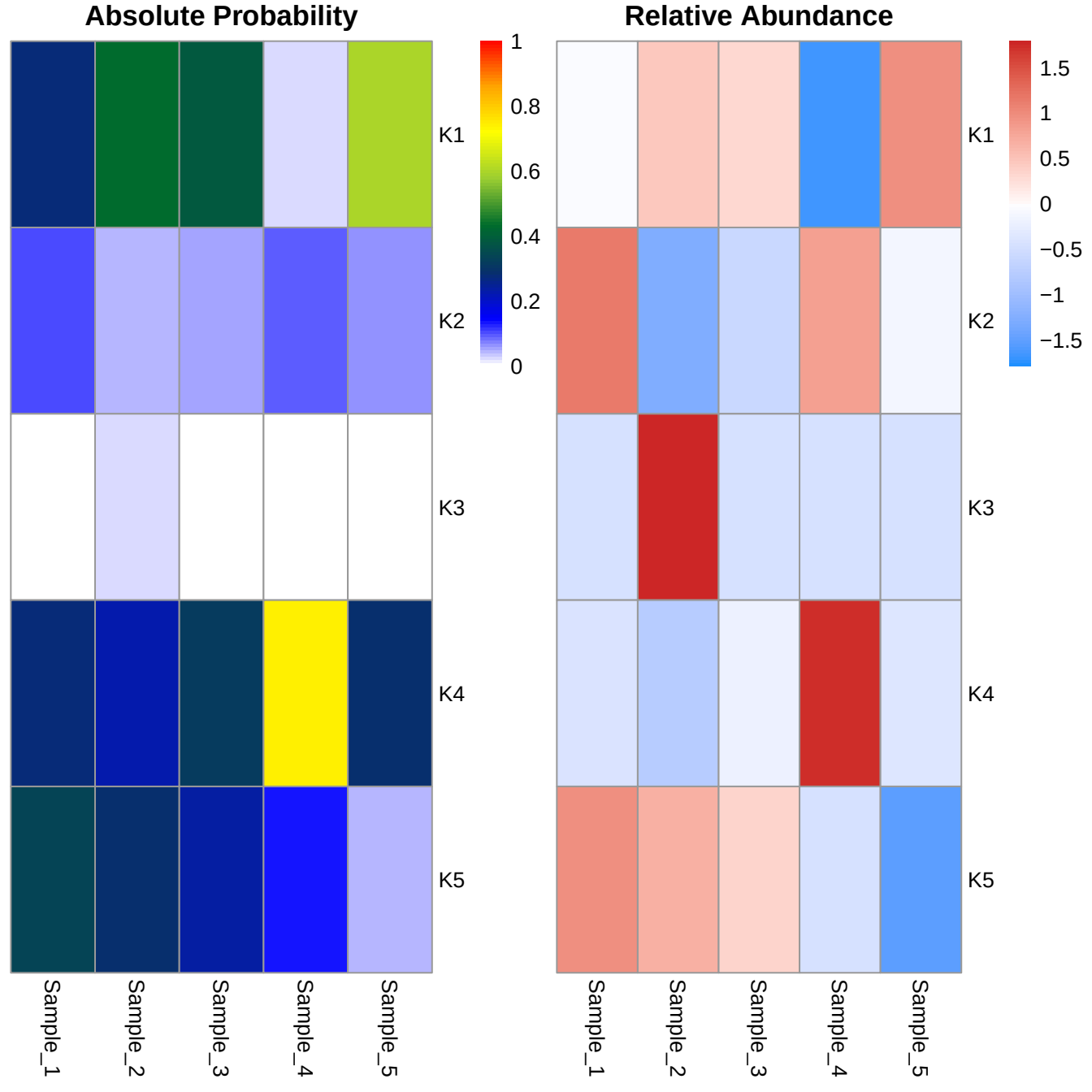

cell
2
1.5
1
0.5
0
−0.5
−1
−1.5
cell
1
2
3
4
5
module
1
2
3
4
5
6
7
8
9
10
module

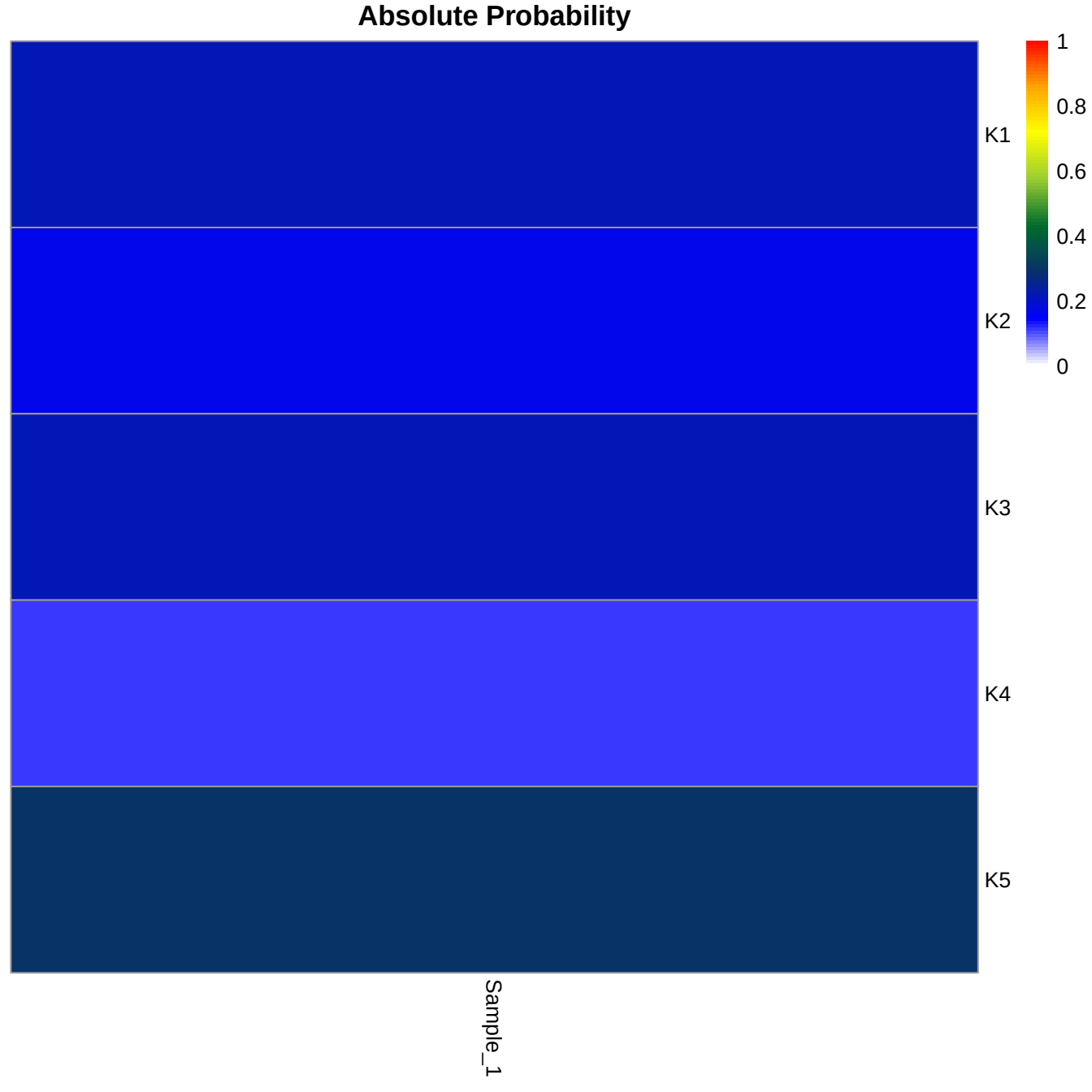

cell.1
cell
2
1
0
−1
−2
cell.1
2
1
cell
1
2
3
4
5
feature
2
2
module
1
2
3
4
5
6
7
8
9
10
feature
module

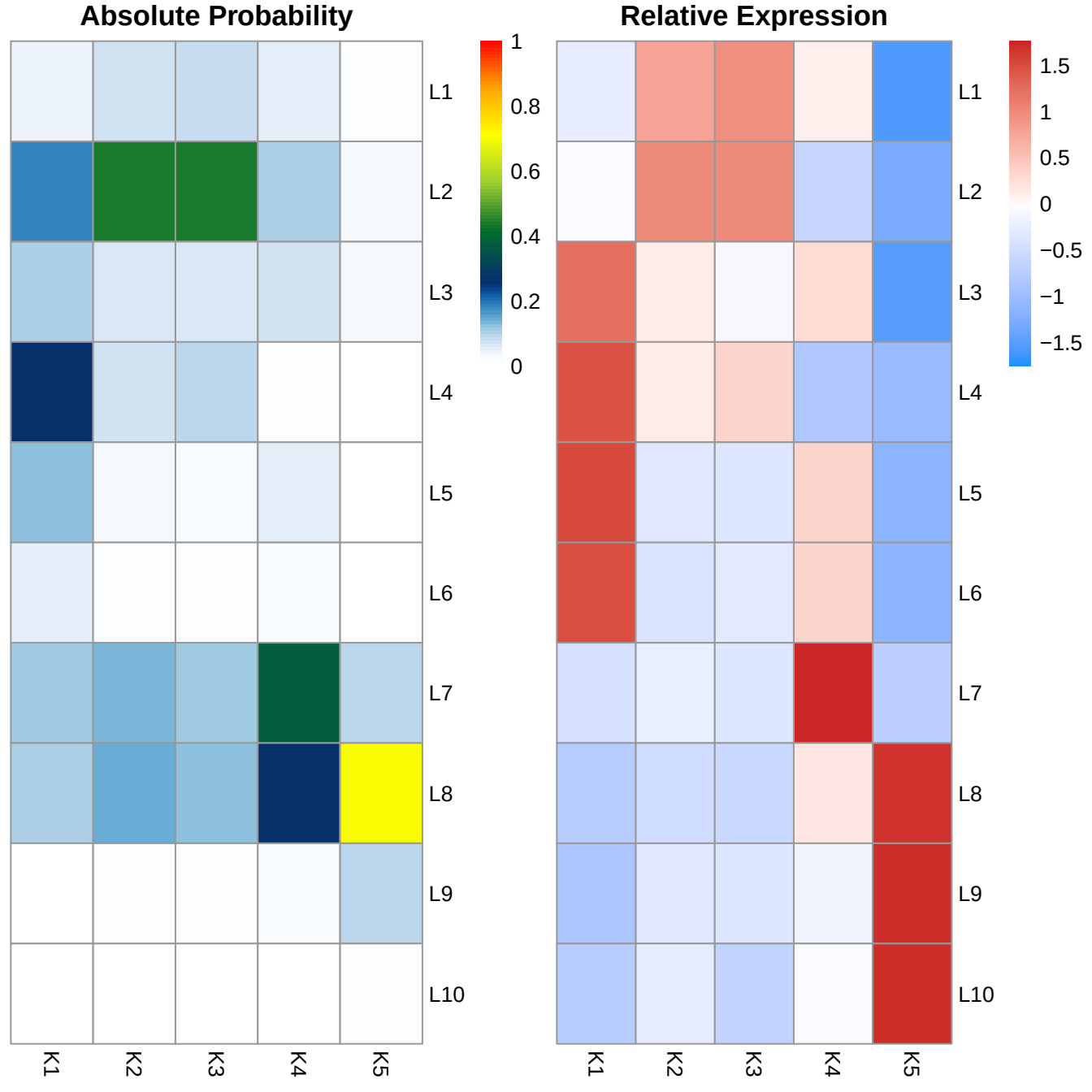

cell.1
cell
2
1
0
−1
−2
cell.1
2
1
cell
1
2
3
4
5
feature
2
2
module
1
2
3
4
5
6
7
8
9
10
feature
module

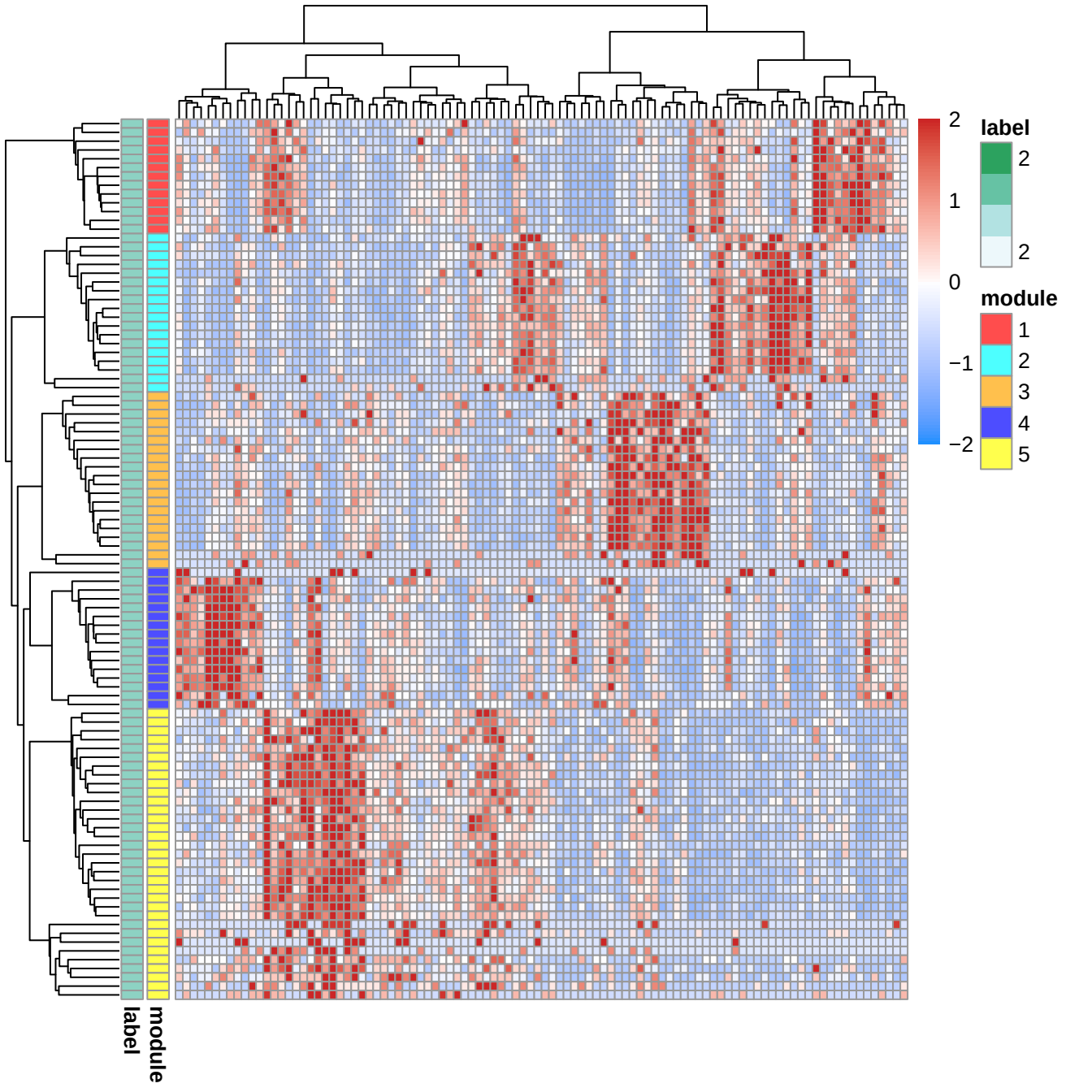

cell
2
1
0
−1
−2
cell
1
2
3
4
5
module
1
2
3
4
5
6
7
8
9
10
module

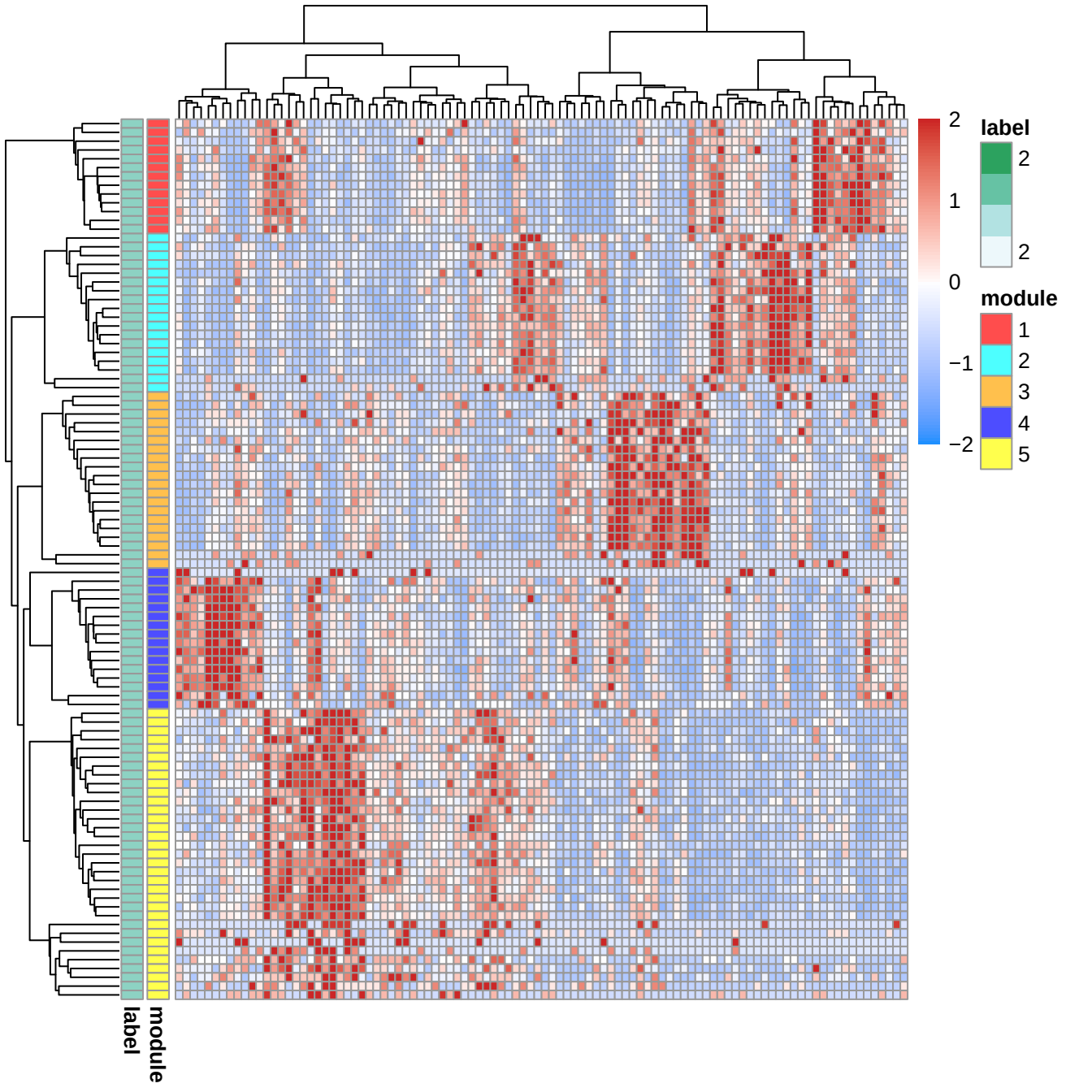

cell
Gene_51
Gene_77
Gene_50
Gene_11
Gene_13
Gene_46
Gene_100
Gene_99
Gene_28
Gene_35
Gene_41
Gene_65
Gene_22
Gene_7
Gene_48
Gene_42
Gene_49
Gene_80
Gene_40
Gene_17
Gene_36
Gene_39
Gene_10
Gene_34
Gene_83
Gene_66
Gene_57
Gene_85
Gene_89
Gene_25
Gene_26
Gene_78
Gene_33
Gene_16
Gene_95
Gene_23
module
2
1
0
−1
−2
cell
1
2
3
4
5
module
2
3

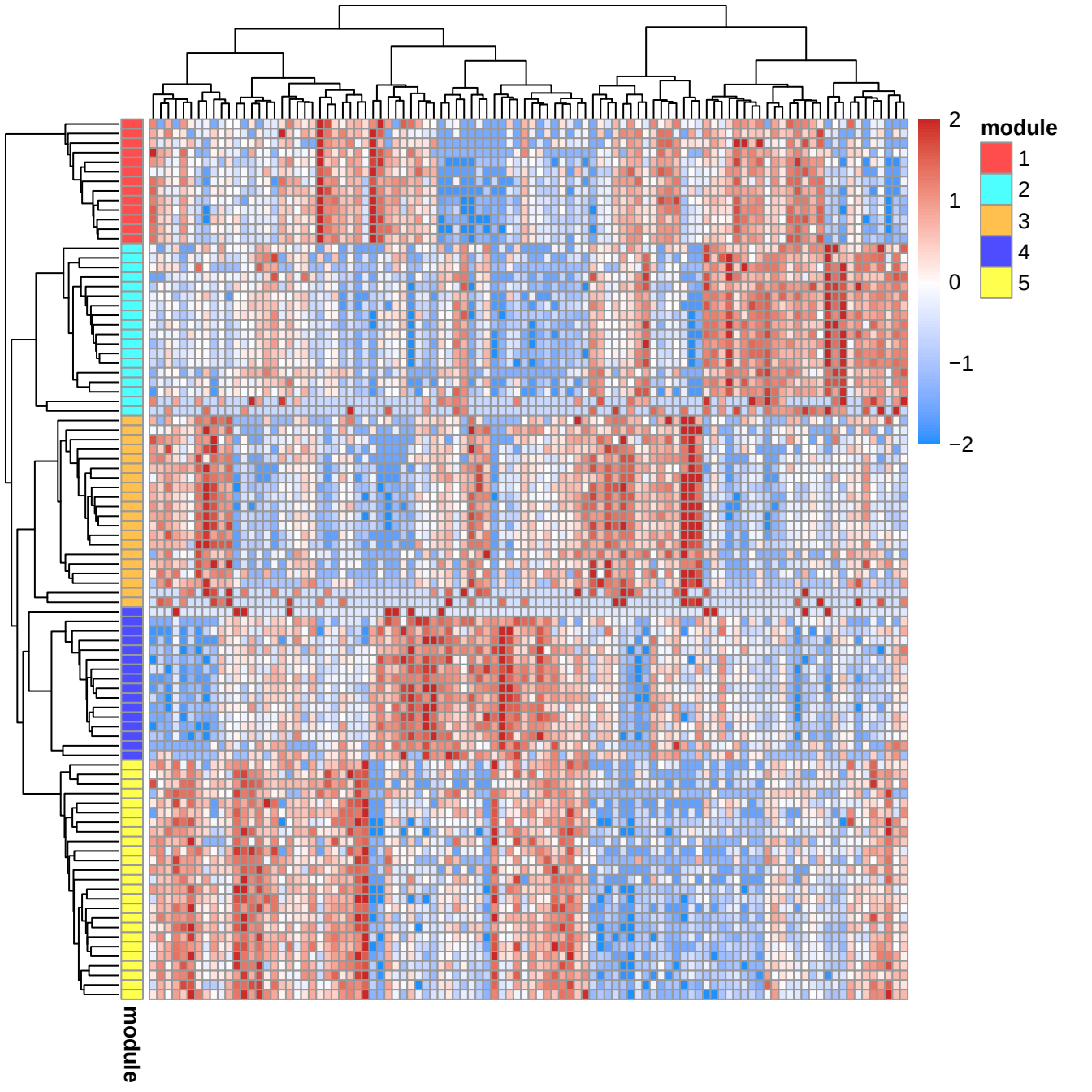

Absolute Probability
Relative Abundance
K1
K2
K3
K4
K5
1
0.8
0.6
0.4
0.2
0
1.5
1
0.5
0
−0.5
−1
−1.5
Sample_1
Sample_2
Sample_3
Sample_4
Sample_5


Absolute Probability
K1
K2
K3
K4
K5
Sample_1
1
0.8
0.6
0.4
0.2
0


Absolute Probability
Relative Expression
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
K1
K2
K3
K4
K5
1
0.8
0.6
0.4
0.2
0
1.5
1
0.5
0
−0.5
−1
−1.5


2
1
0
−1
−2
label
2
2
module
1
2
3
4
5
label
module


2
1
0
−1
−2
label
2
2
module
1
2
3
4
5
label
module


2
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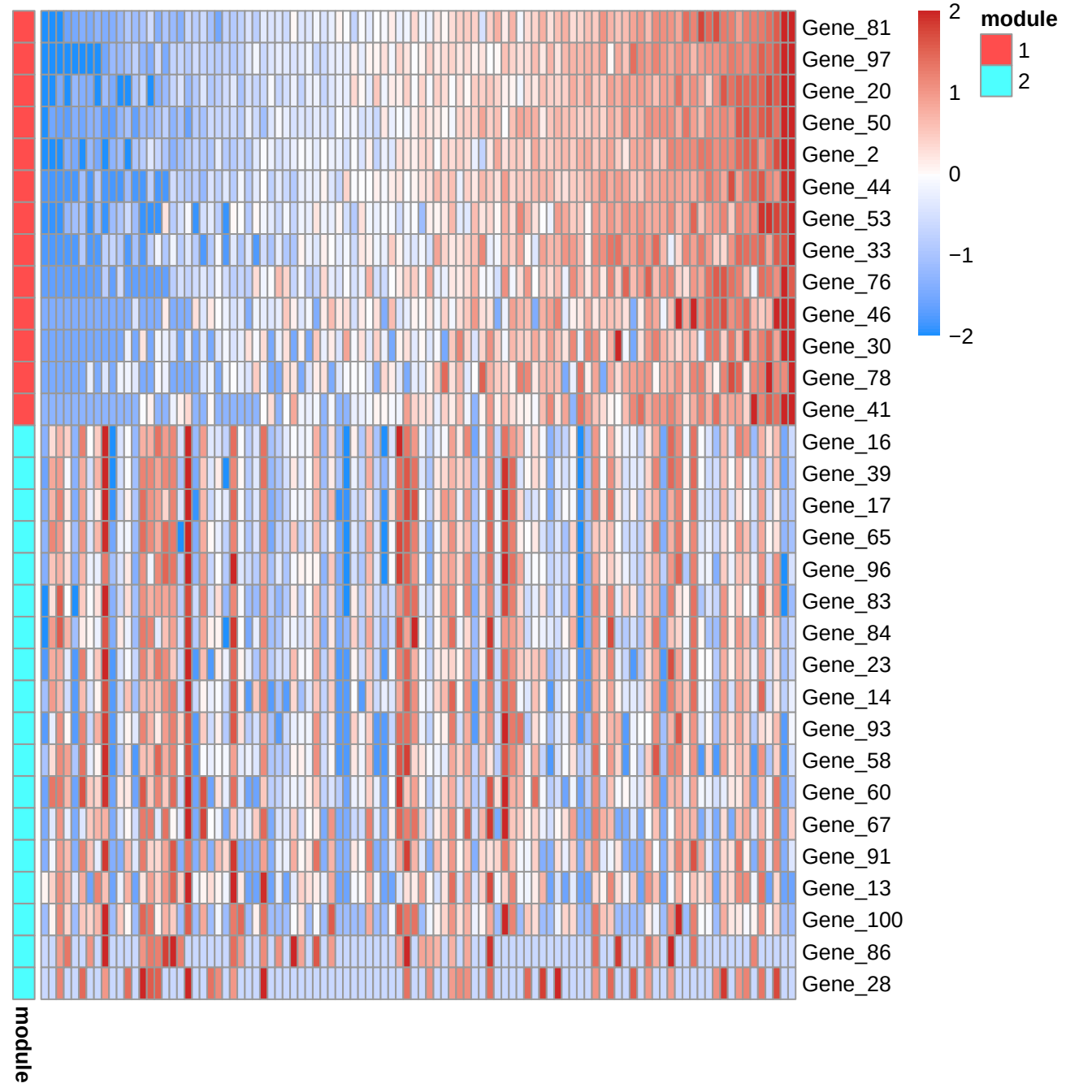
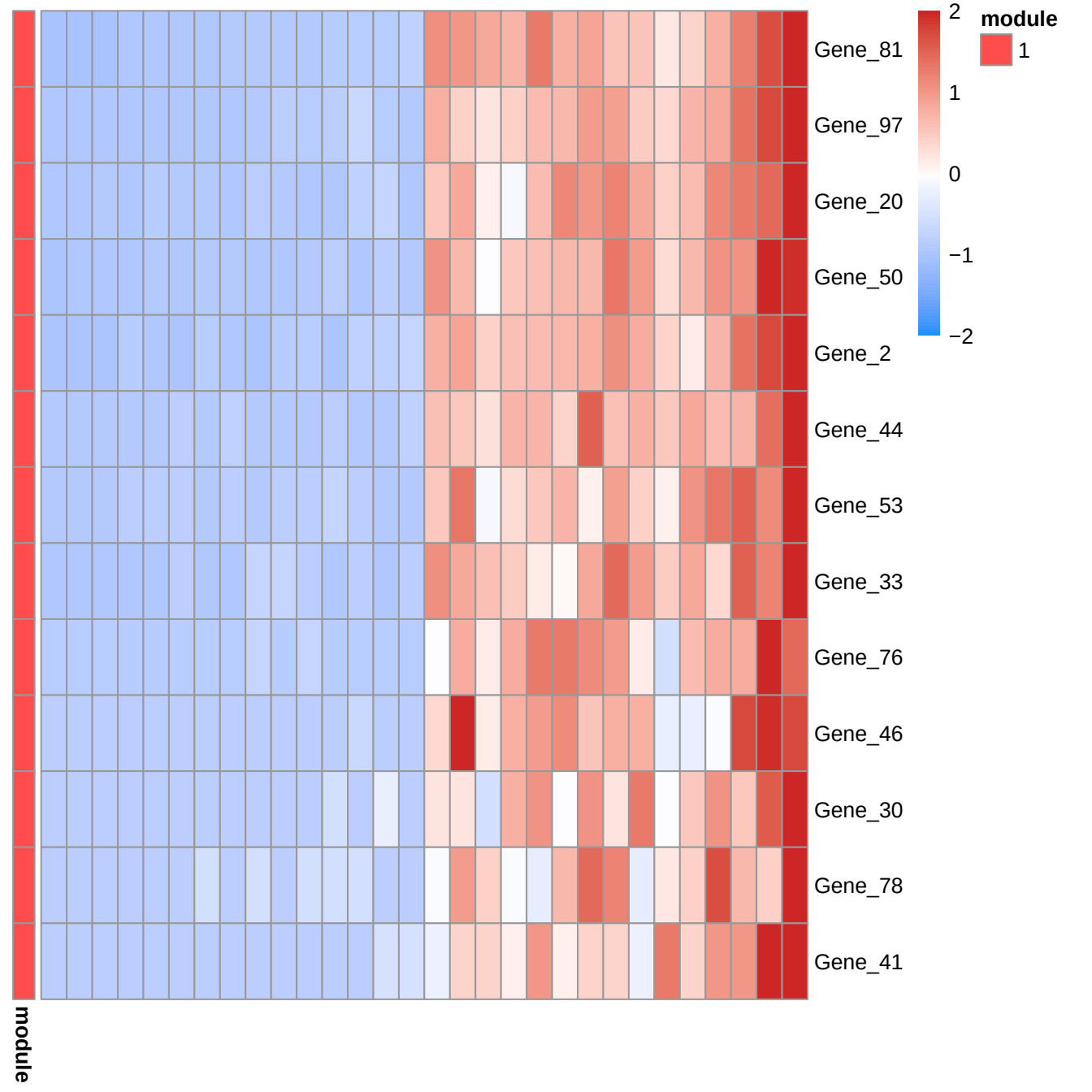
0
−1
−2
module
1
2
3
4
5
module


Gene_81
Gene_97
Gene_20
Gene_50
Gene_2
Gene_44
Gene_53
Gene_33
Gene_76
Gene_46
Gene_30
Gene_78
Gene_41
Gene_16
Gene_39
Gene_17
Gene_65
Gene_96
Gene_83
Gene_84
Gene_23
Gene_14
Gene_93
Gene_58
Gene_60
Gene_67
Gene_91
Gene_13
Gene_100
Gene_86
Gene_28
2
1
0
−1
−2
module
1
2
module


Gene_81
Gene_97
Gene_20
Gene_50
Gene_2
Gene_44
Gene_53
Gene_33
Gene_76
Gene_46
Gene_30
Gene_78
Gene_41
2
1
0
−1
−2
module
1
module