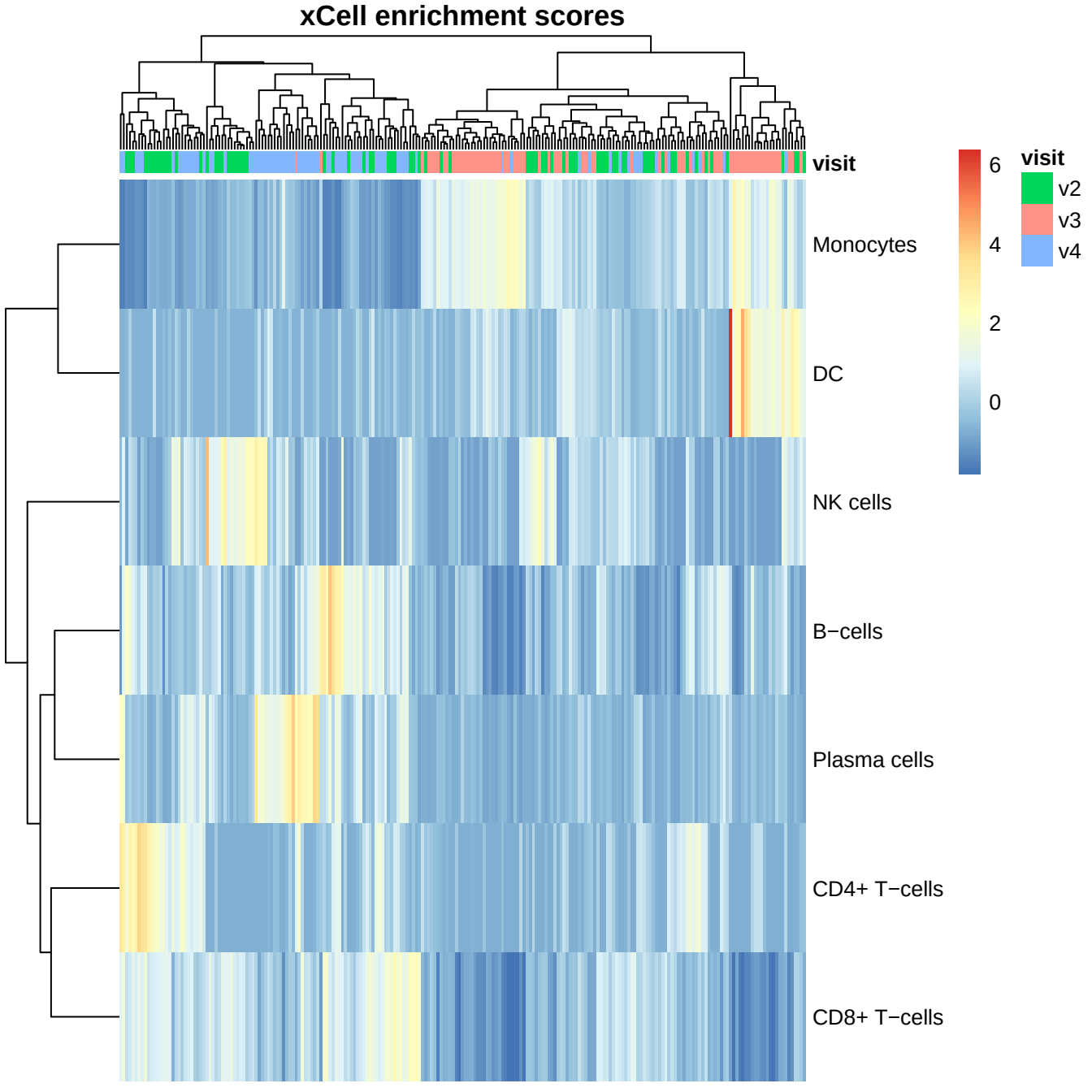
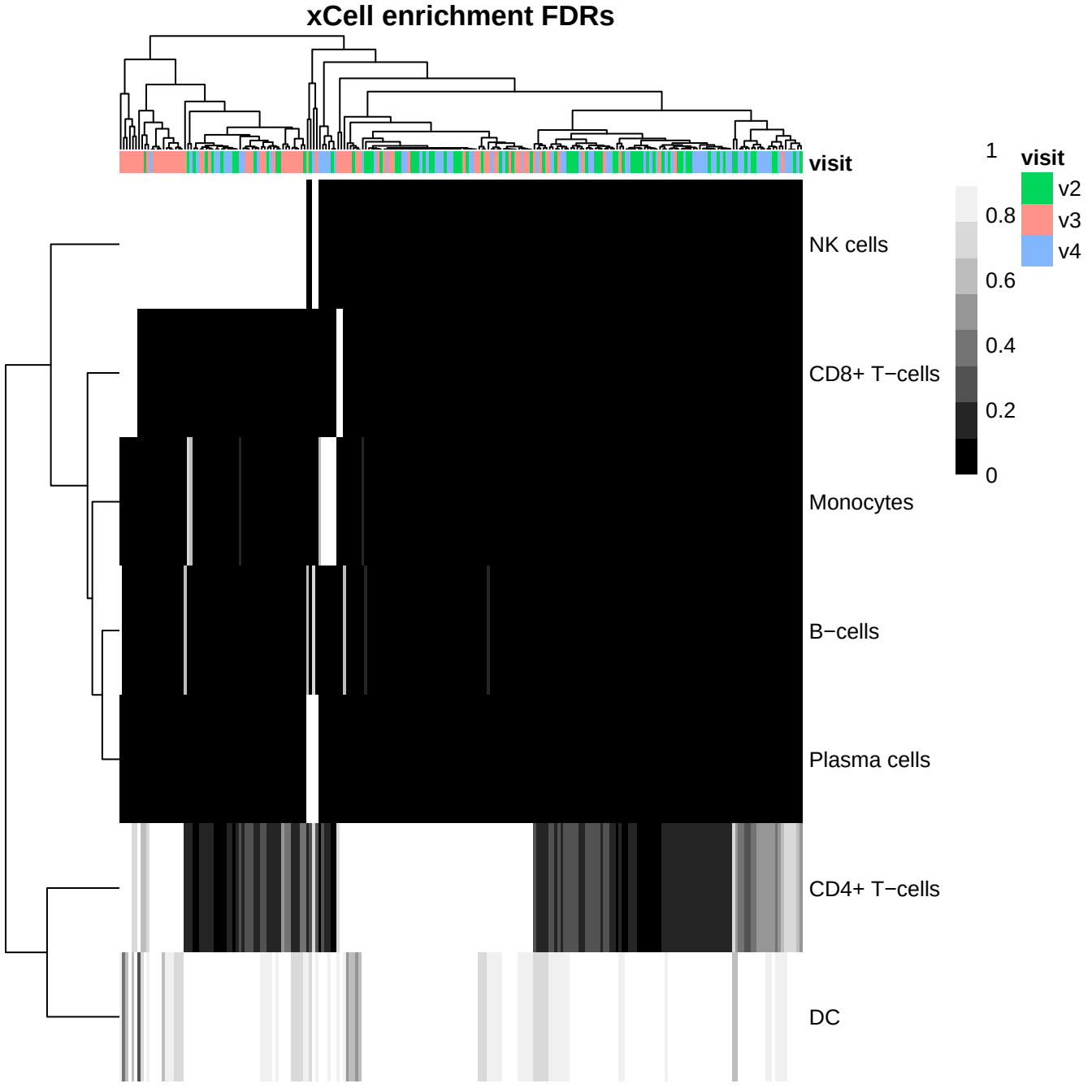
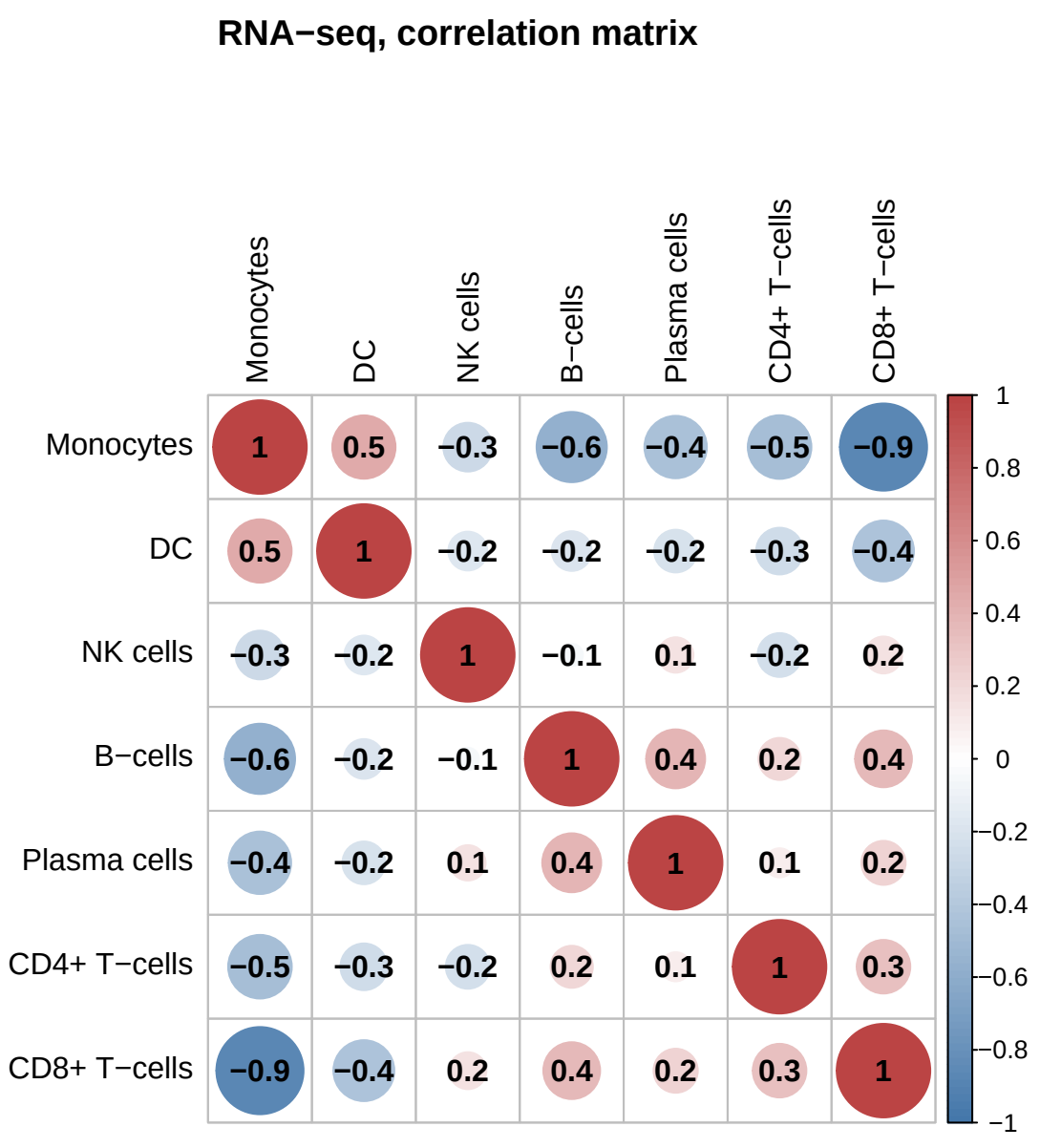
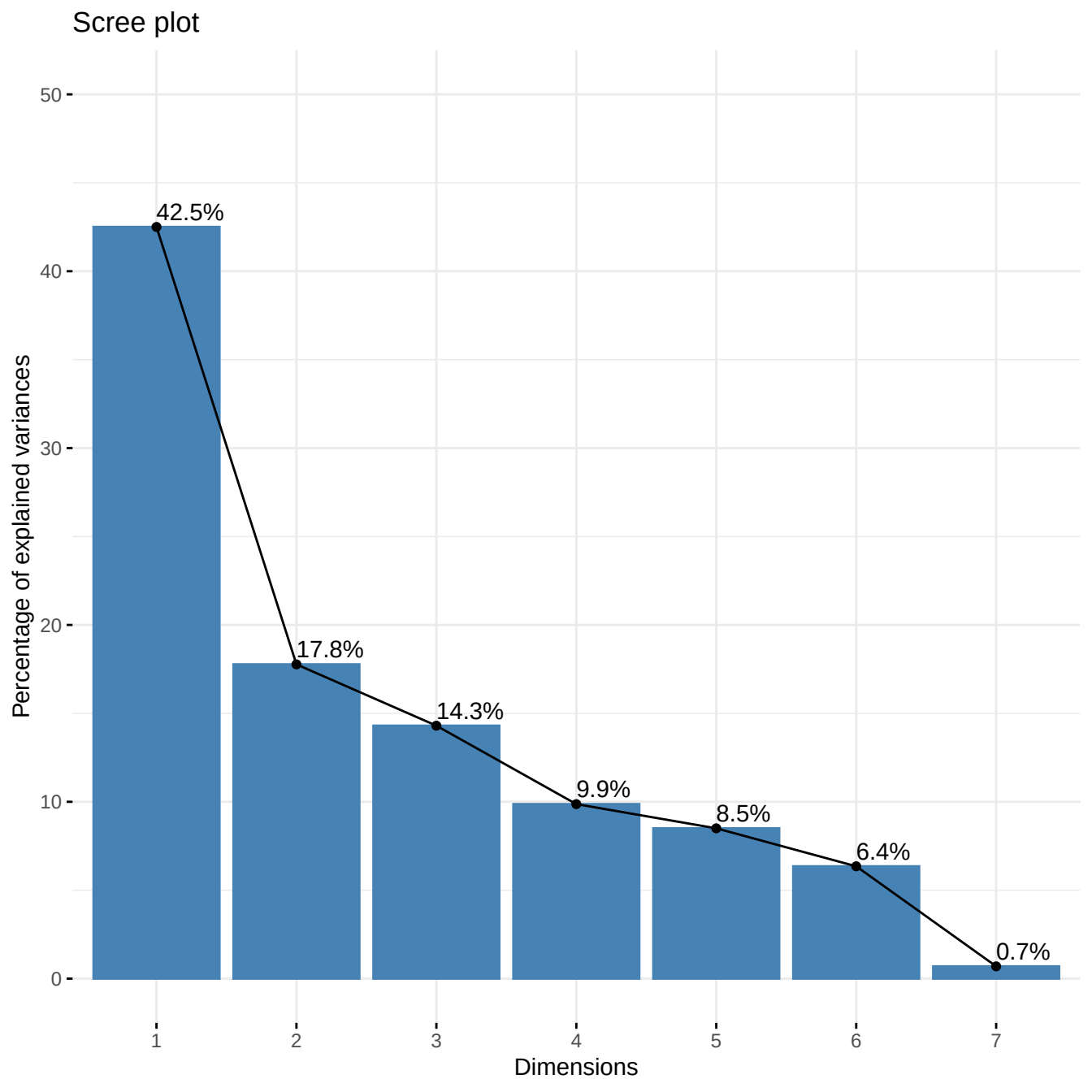
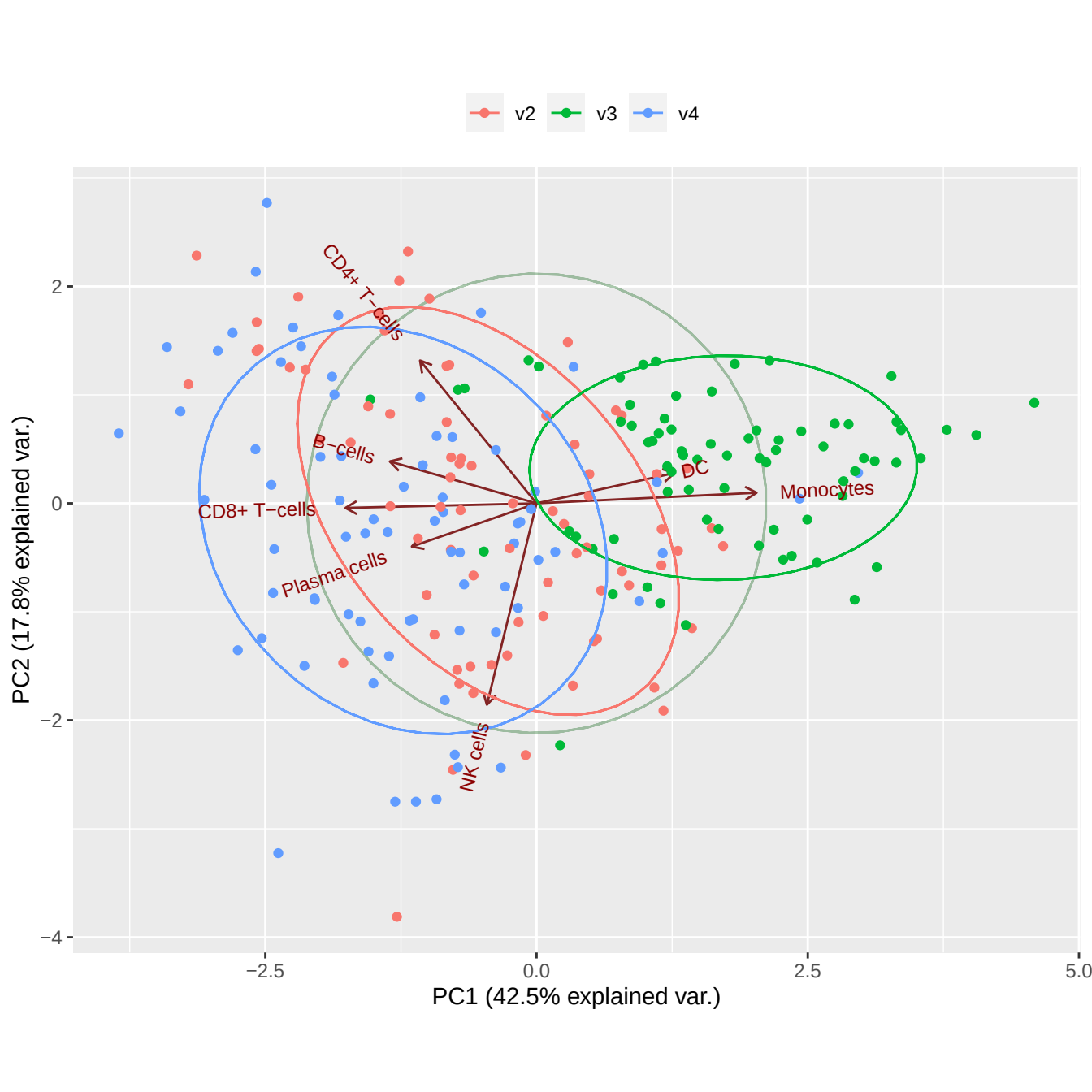

xCell enrichment scores
visit
Monocytes
DC
NK cells
B−cells
Plasma cells
CD4+ T−cells
CD8+ T−cells
6
4
2
0
visit
v2
v3
v4

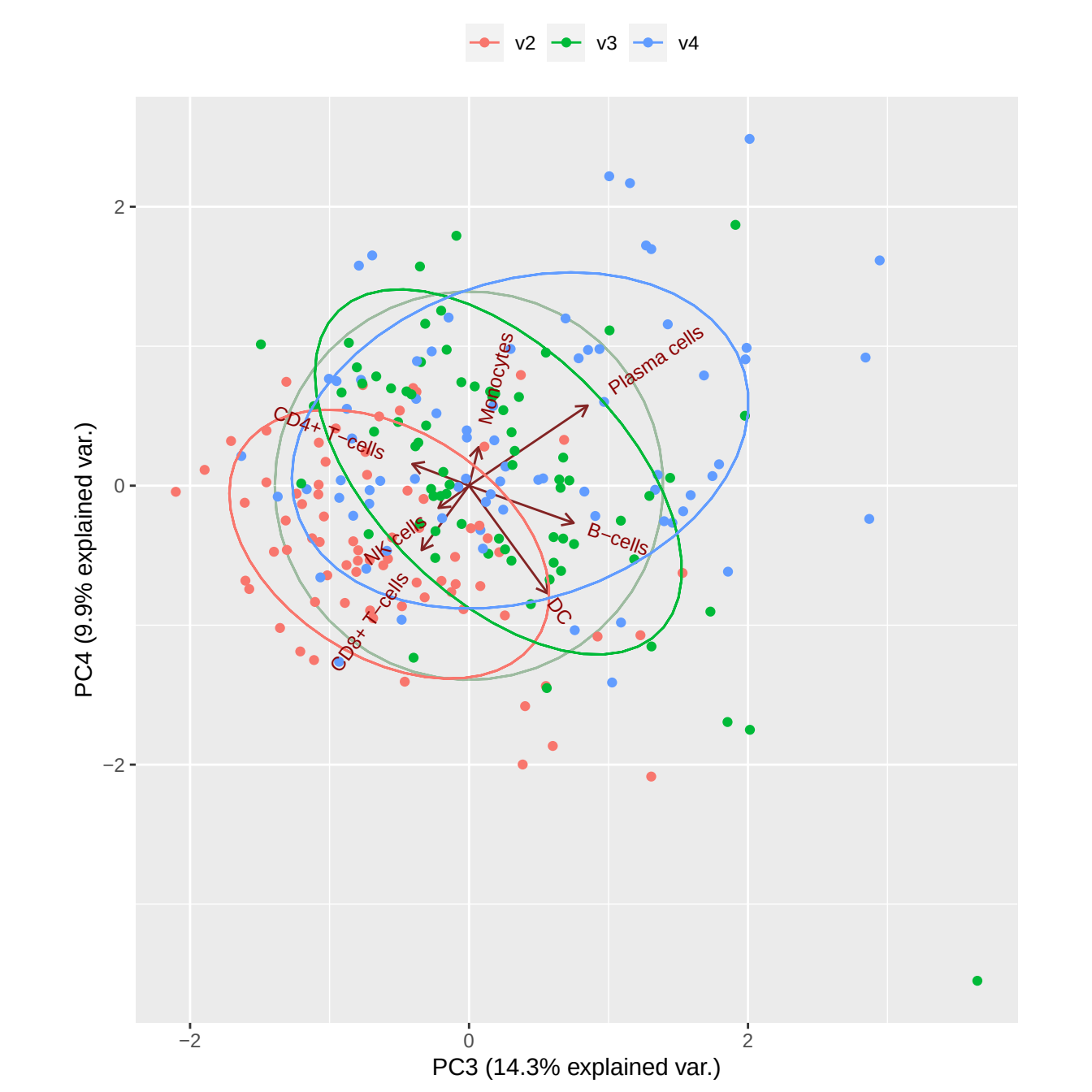

xCell enrichment FDRs
visit
NK cells
CD8+ T−cells
Monocytes
B−cells
Plasma cells
CD4+ T−cells
DC
1
0.8
0.6
0.4
0.2
0
visit
v2
v3
v4

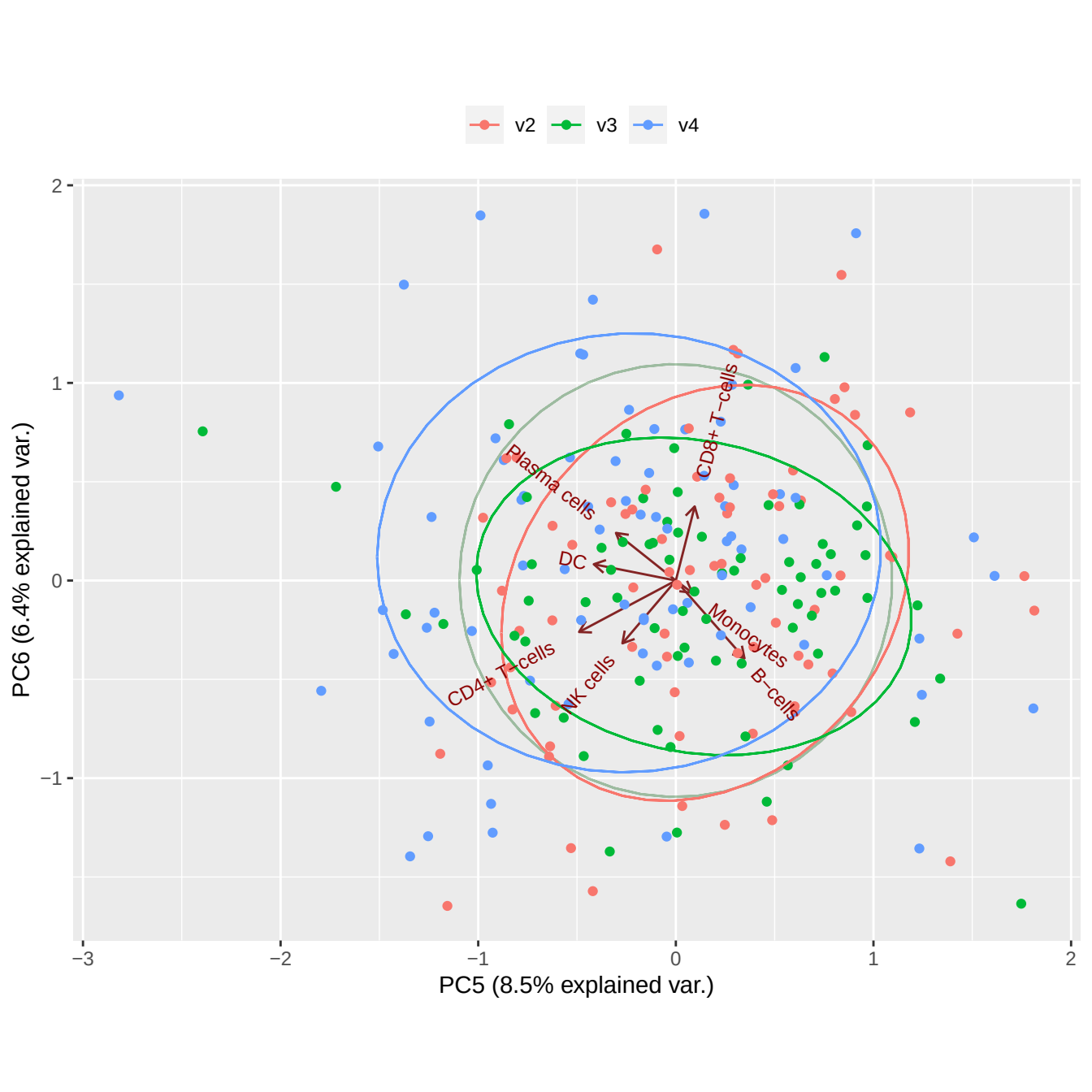

RNA−seq, correlation matrix
Monocytes
DC
NK cells
B−cells
Plasma cells
CD4+ T−cells
CD8+ T−cells
1 0.5 −0.3 −0.6 −0.4 −0.5 −0.9
0.5 1 −0.2 −0.2 −0.2 −0.3 −0.4
−0.3 −0.2 1 −0.1 0.1 −0.2 0.2
−0.6 −0.2 −0.1 1 0.4 0.2 0.4
−0.4 −0.2 0.1 0.4 1 0.1 0.2
−0.5 −0.3 −0.2 0.2 0.1 1 0.3
−0.9 −0.4 0.2 0.4 0.2 0.3 1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

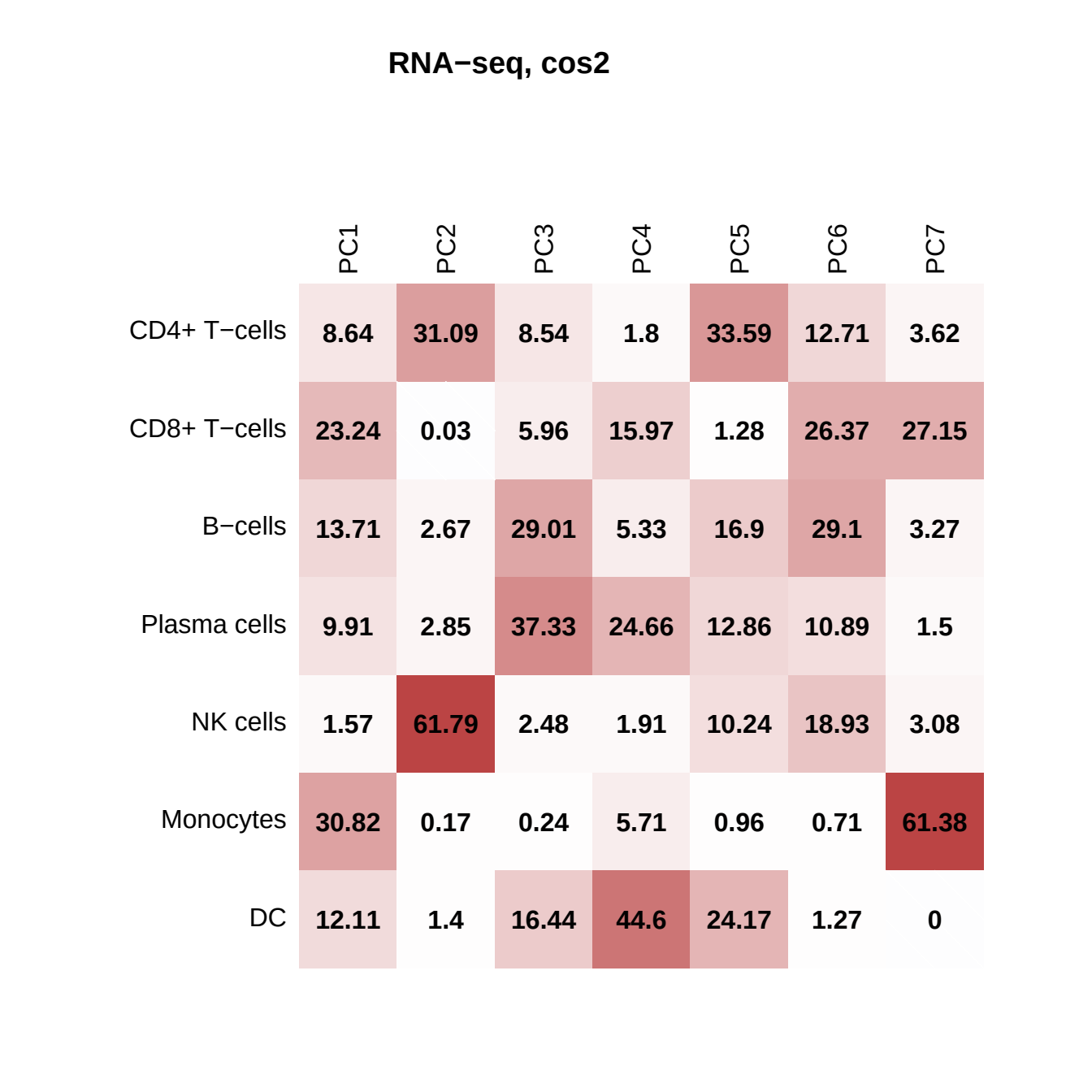

Scree plot
Percentage of explained variances
Dimensions
50
40
30
20
10
0
1
2
3
4
5
6
7
42.5%
17.8%
14.3%
9.9%
8.5%
6.4%
0.7%

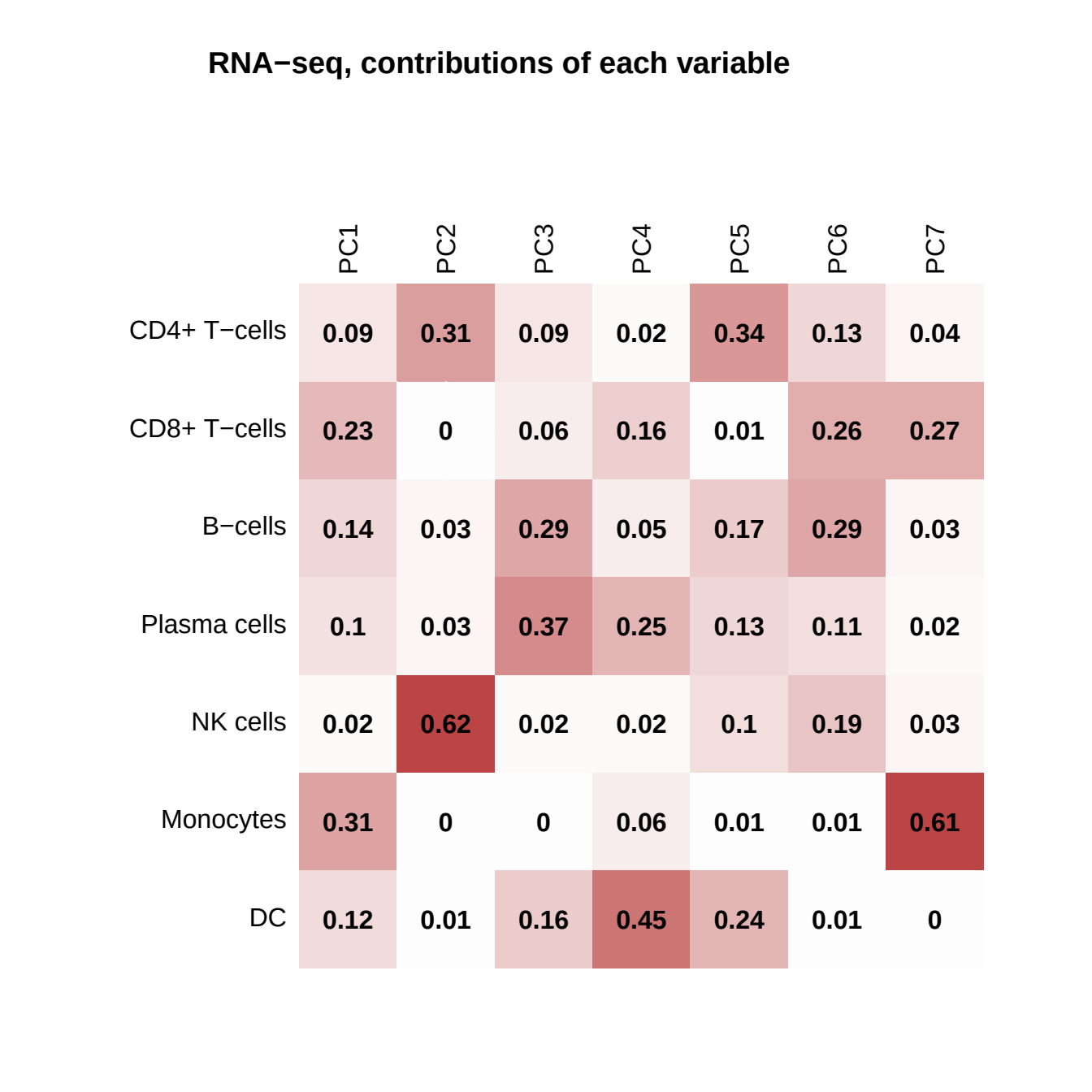
eigenvalue	variance.percent	cumulative.variance.percent	eigenvalue.ge
2.97535336993272	42.5050481418961	42.5050481418961	1
1.24397632255223	17.7710903221748	60.2761384640708	1
1.0012874604399	14.3041065777128	74.5802450417837	1
0.690797819057433	9.86854027224905	84.4487853140327	0
0.595032580679335	8.50046543827622	92.9492507523089	0
0.444725738148018	6.35322483068597	99.3024755829949	0
0.0488267091903572	0.697524417005103	100	0

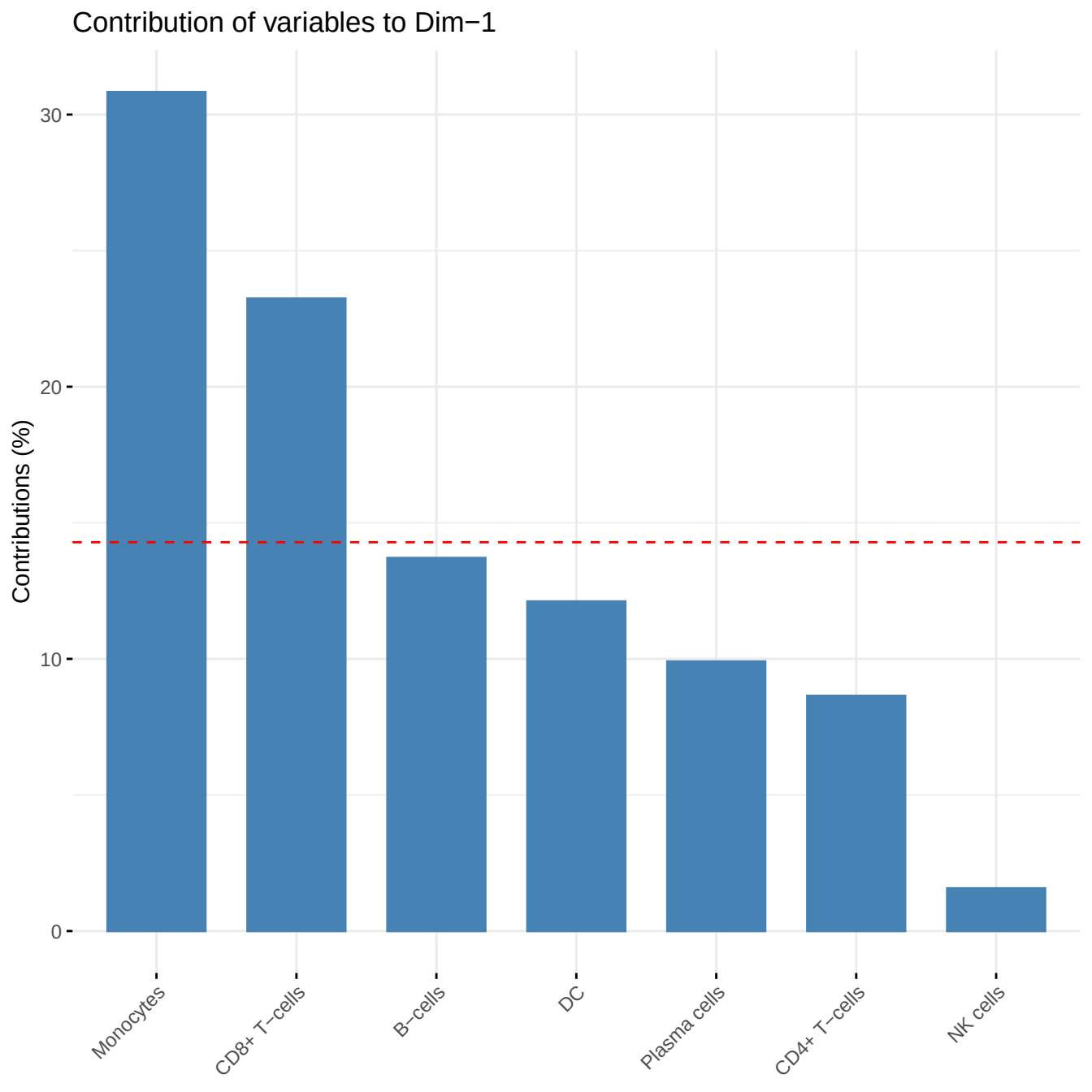

v2
v3
v4
CD4+ T−cells
B−cells
CD8+ T−cells
Plasma cells
NK cells
DC
Monocytes
2
0
−2
−4
−2.5
0.0
2.5
5.0
PC2 (17.8% explained var.)
PC1 (42.5% explained var.)

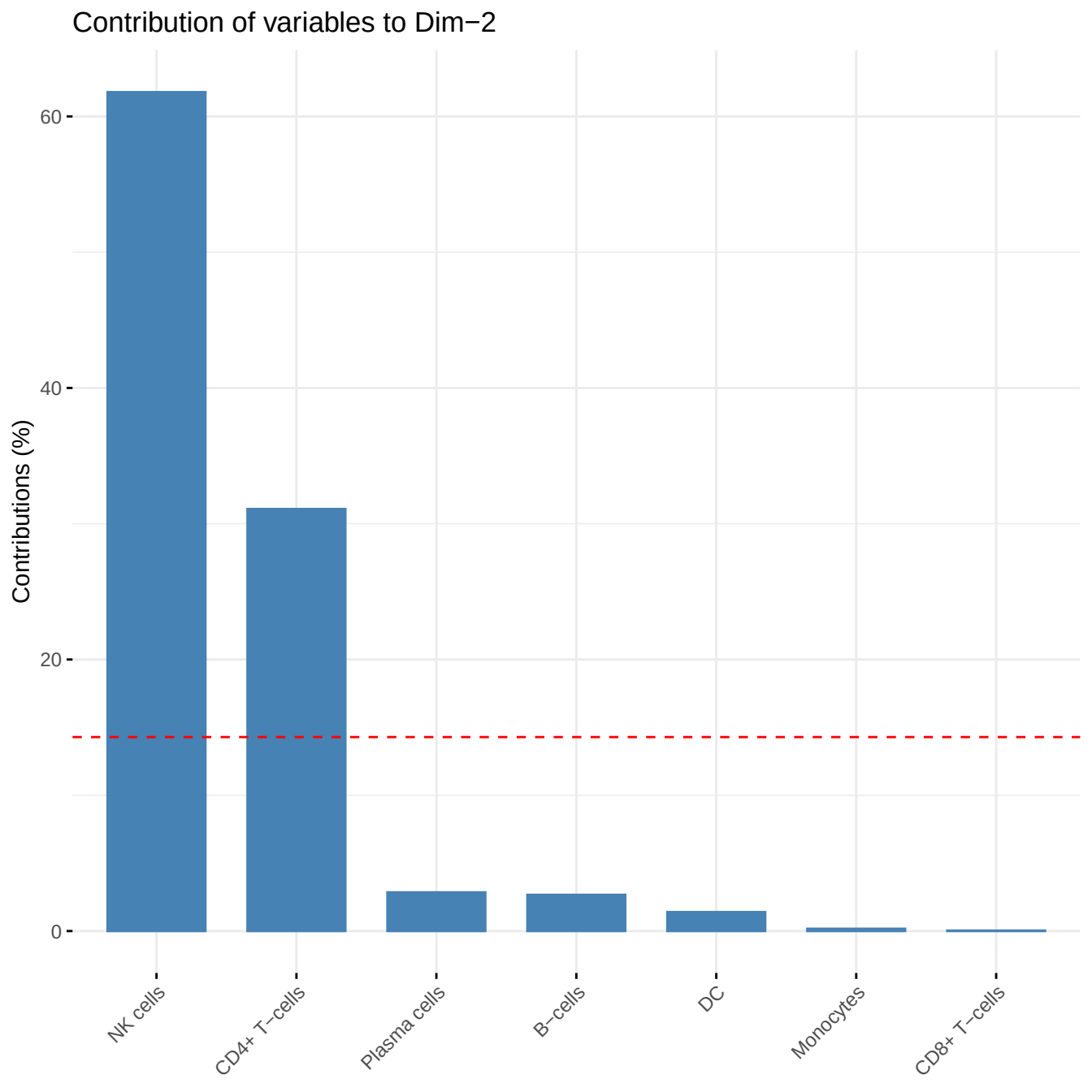

v2
v3
v4
Monocytes
Plasma cells
CD4+ T−cells
B−cells
NK cells
CD8+ T−cells
DC
2
0
−2
PC4 (9.9% explained var.)
−2
0
2
PC3 (14.3% explained var.)

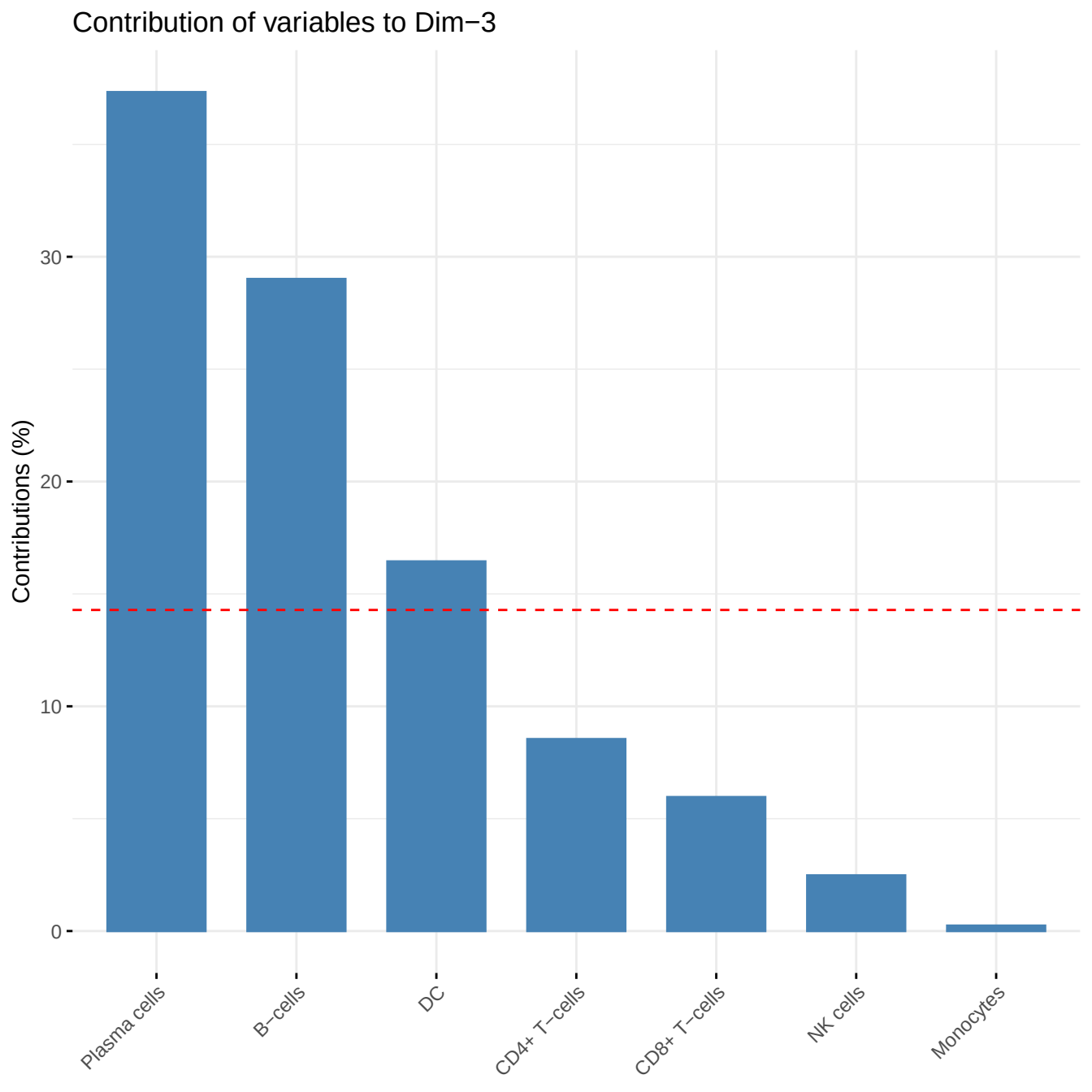

v2
v3
v4
2
1
0
−1
−3
−2
−1
0
1
2
PC6 (6.4% explained var.)
PC5 (8.5% explained var.)
Plasma cells
CD8+ T−cells
DC
Monocytes
CD4+ T−cells
NK cells
B−cells

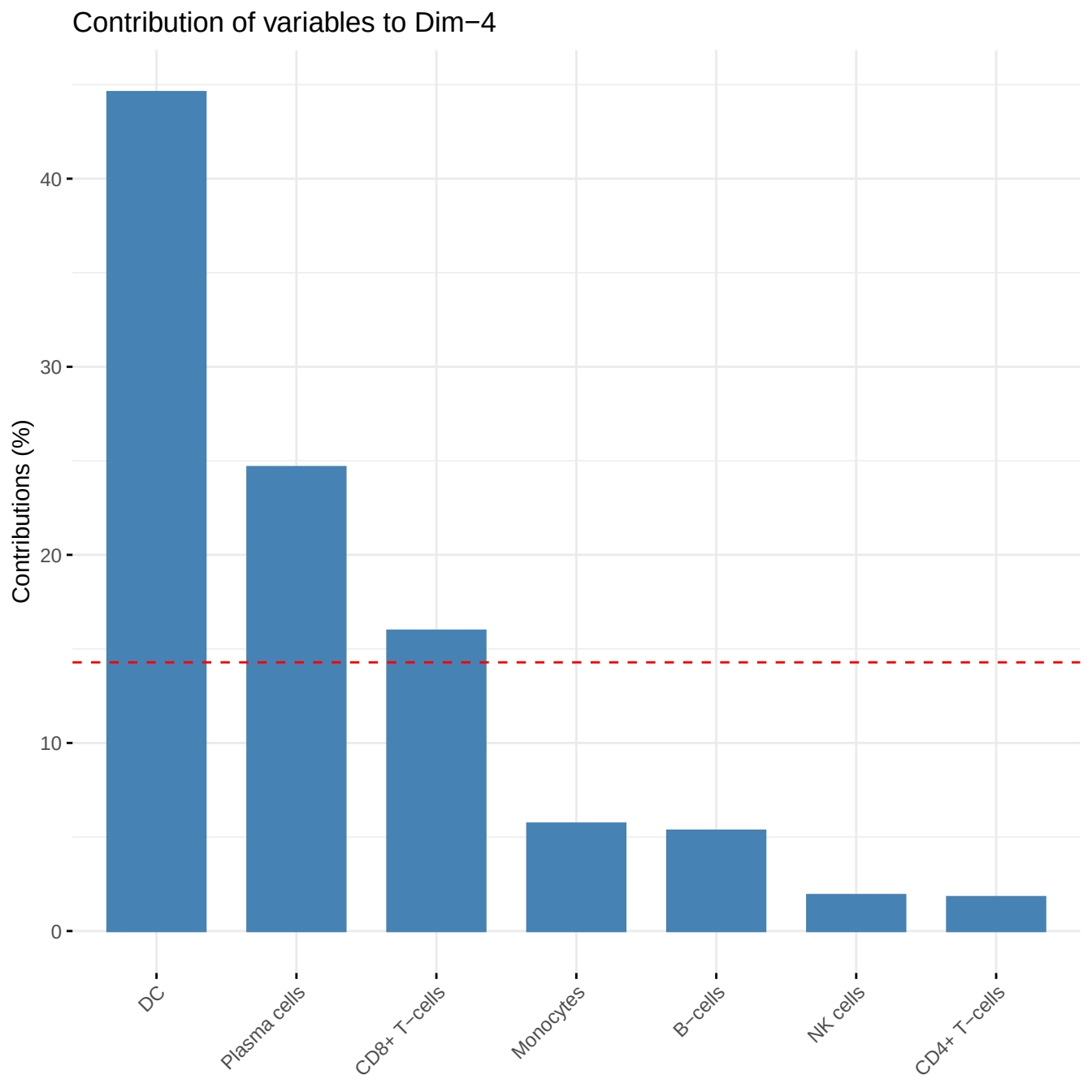

RNA−seq, cos2
PC1
PC2
PC3
PC4
PC5
PC6
PC7
CD4+ T−cells
8.64
31.09
8.54
1.8
33.59
12.71
3.62
CD8+ T−cells
23.24
0.03
5.96
15.97
1.28
26.37
27.15
B−cells
13.71
2.67
29.01
5.33
16.9
29.1
3.27
Plasma cells
9.91
2.85
37.33
24.66
12.86
10.89
1.5
NK cells
1.57
61.79
2.48
1.91
10.24
18.93
3.08
Monocytes
30.82
0.17
0.24
5.71
0.96
0.71
61.38
DC
12.11
1.4
16.44
44.6
24.17
1.27
0

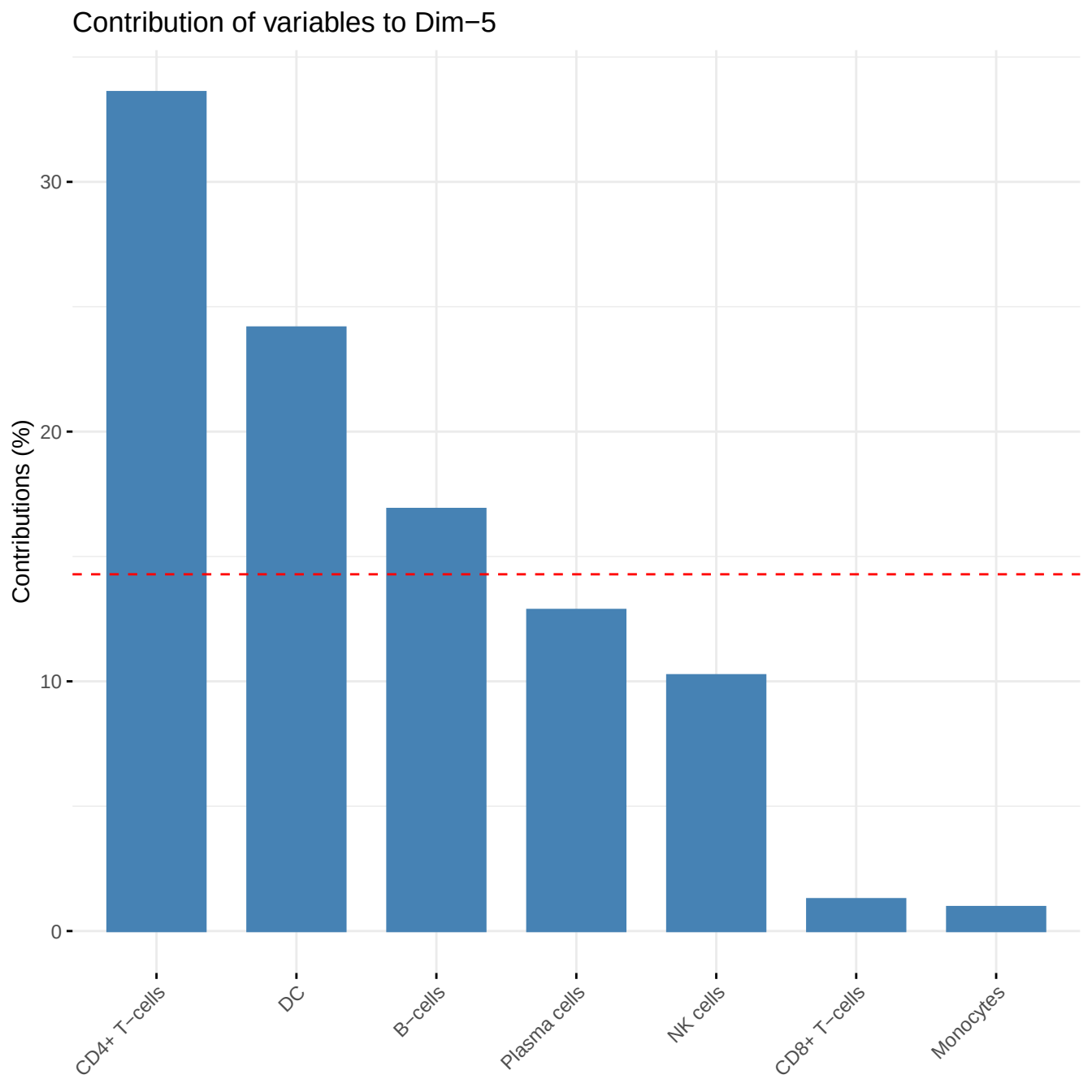

RNA−seq, contributions of each variable
PC1
PC2
PC3
PC4
PC5
PC6
PC7
CD4+ T−cells
0.09
0.31
0.09
0.02
0.34
0.13
0.04
CD8+ T−cells
0.23
0
0.06
0.16
0.01
0.26
0.27
B−cells
0.14
0.03
0.29
0.05
0.17
0.29
0.03
Plasma cells
0.1
0.03
0.37
0.25
0.13
0.11
0.02
NK cells
0.02
0.62
0.02
0.02
0.1
0.19
0.03
Monocytes
0.31
0
0
0.06
0.01
0.01
0.61
DC
0.12
0.01
0.16
0.45
0.24
0.01
0

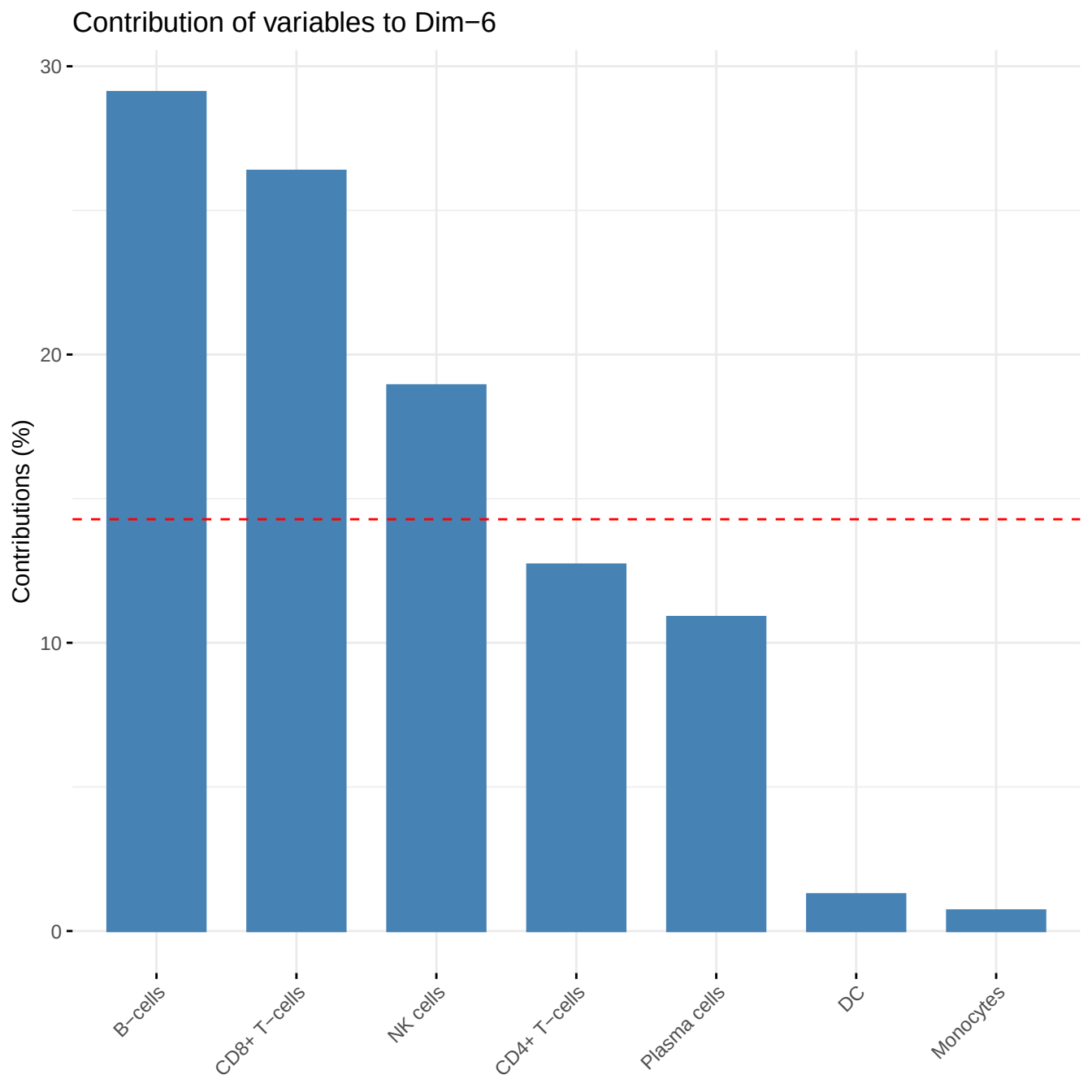

Contribution of variables to Dim−1
Contributions (%)
30
20
10
0
Monocytes
CD8+ T−cells
B−cells
DC
Plasma cells
CD4+ T−cells
NK cells


Contribution of variables to Dim−2
Contributions (%)
60
40
20
0
NK cells
CD4+ T−cells
Plasma cells
B−cells
DC
Monocytes
CD8+ T−cells


Contribution of variables to Dim−3
Contributions (%)
30
20
10
0
Plasma cells
B−cells
DC
CD4+ T−cells
CD8+ T−cells
NK cells
Monocytes


Contribution of variables to Dim−4
Contributions (%)
40
30
20
10
0
DC
Plasma cells
CD8+ T−cells
Monocytes
B−cells
NK cells
CD4+ T−cells


Contribution of variables to Dim−5
Contributions (%)
30
20
10
0
CD4+ T−cells
DC
B−cells
Plasma cells
NK cells
CD8+ T−cells
Monocytes


Contribution of variables to Dim−6
Contributions (%)
30
20
10
0
B−cells
CD8+ T−cells
NK cells
CD4+ T−cells
Plasma cells
DC
Monocytes