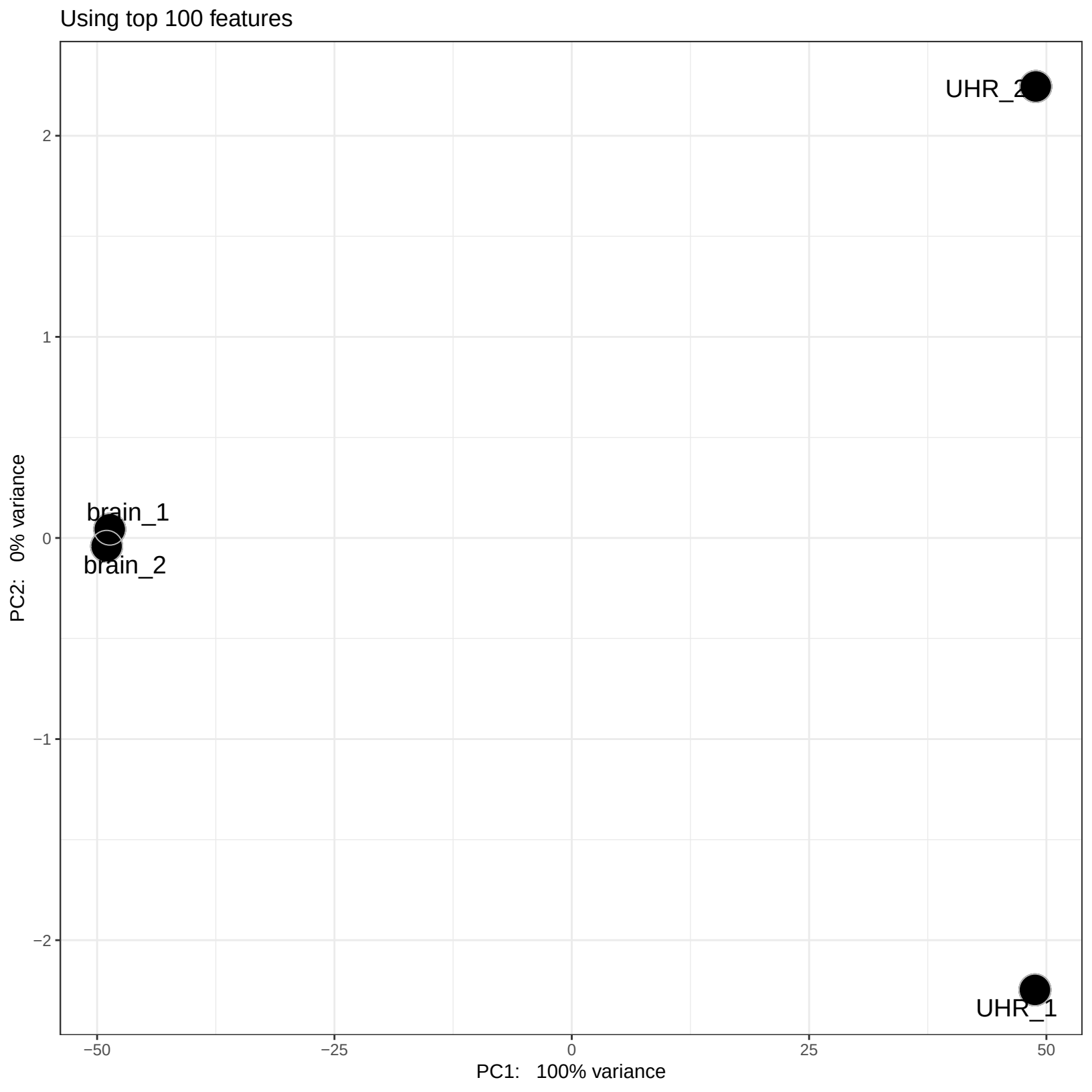
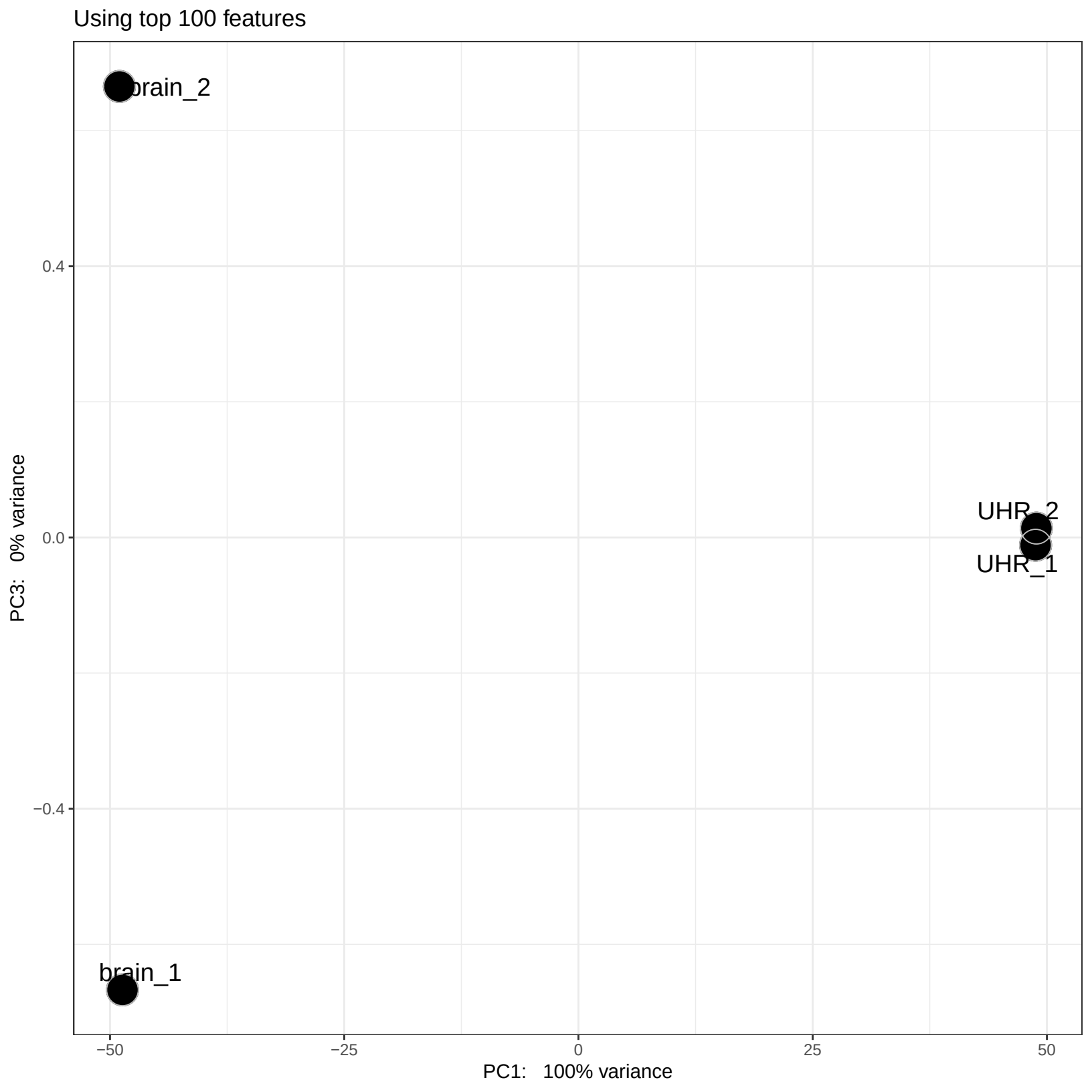
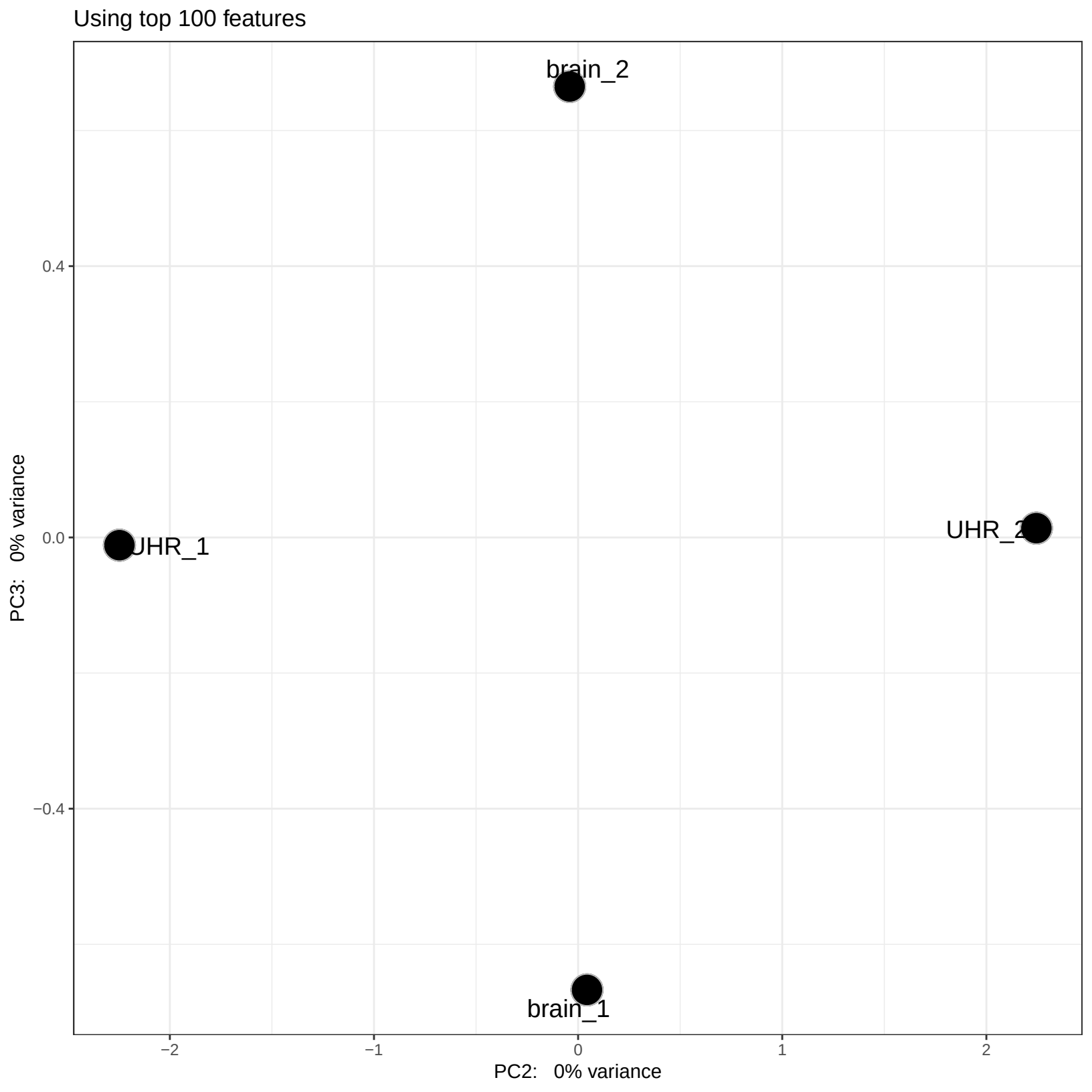
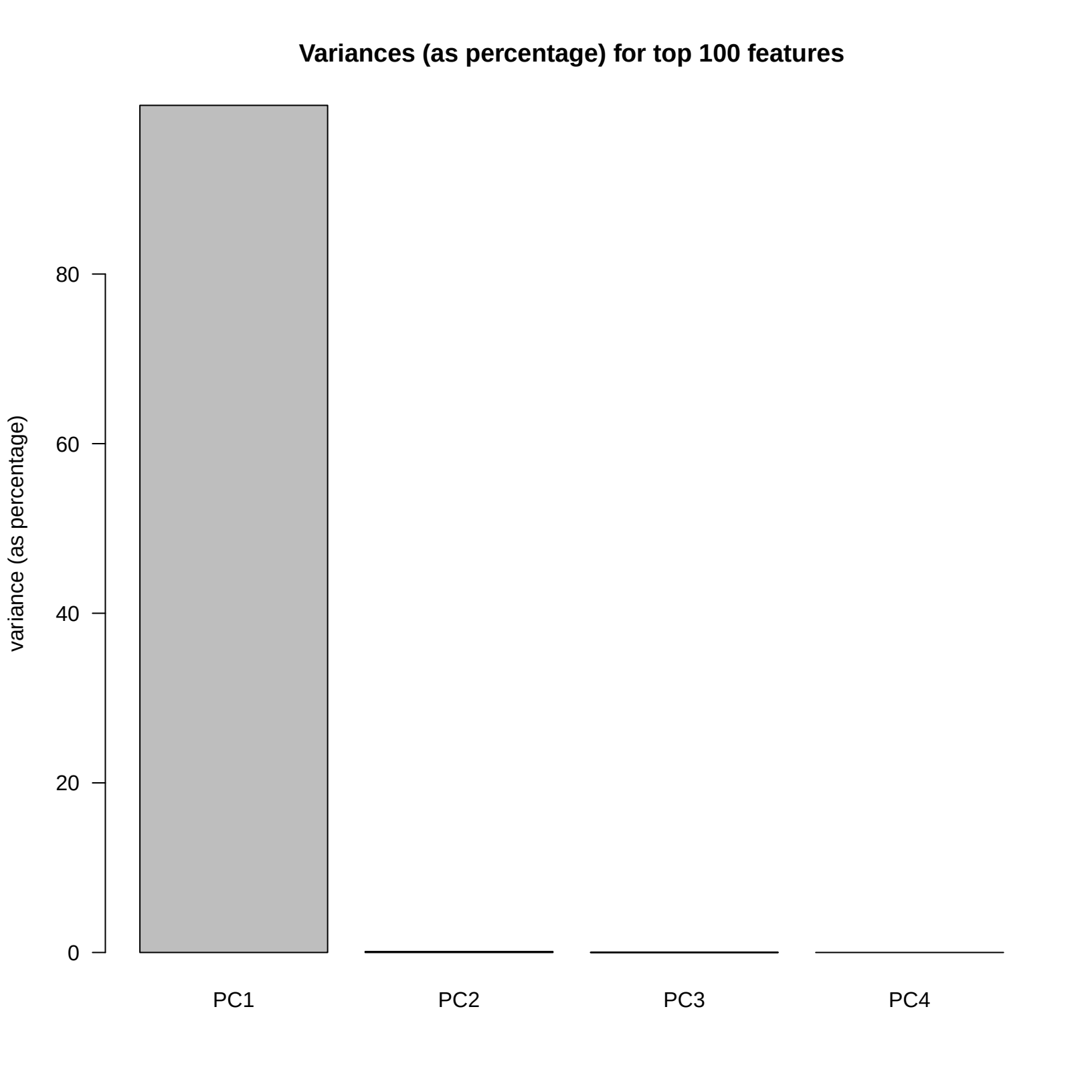
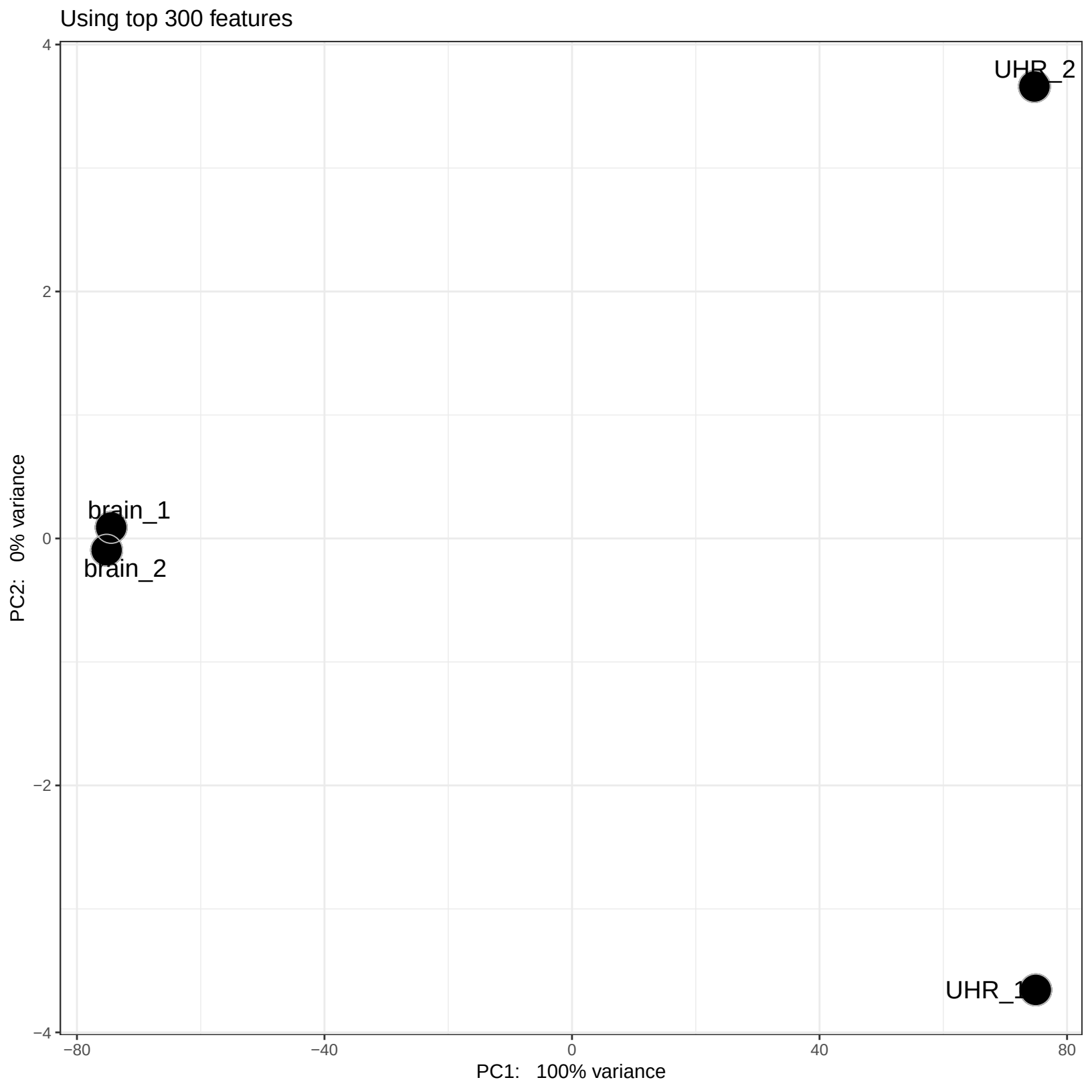
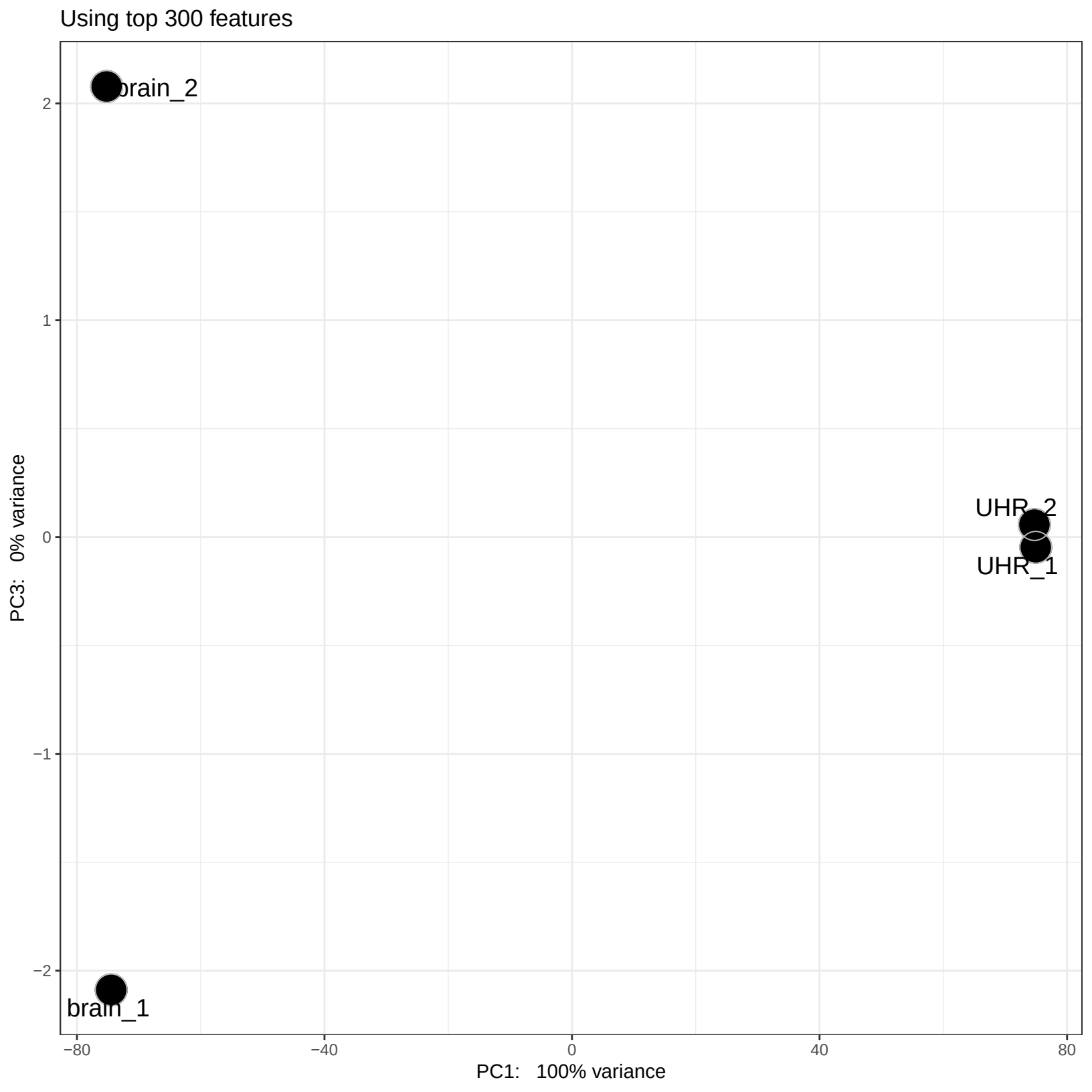

Using top 100 features
UHR_2
brain_1
brain_2
UHR_1
2
1
0
−1
−2
PC2: 0% variance
−50
−25
0
25
50
PC1: 100% variance

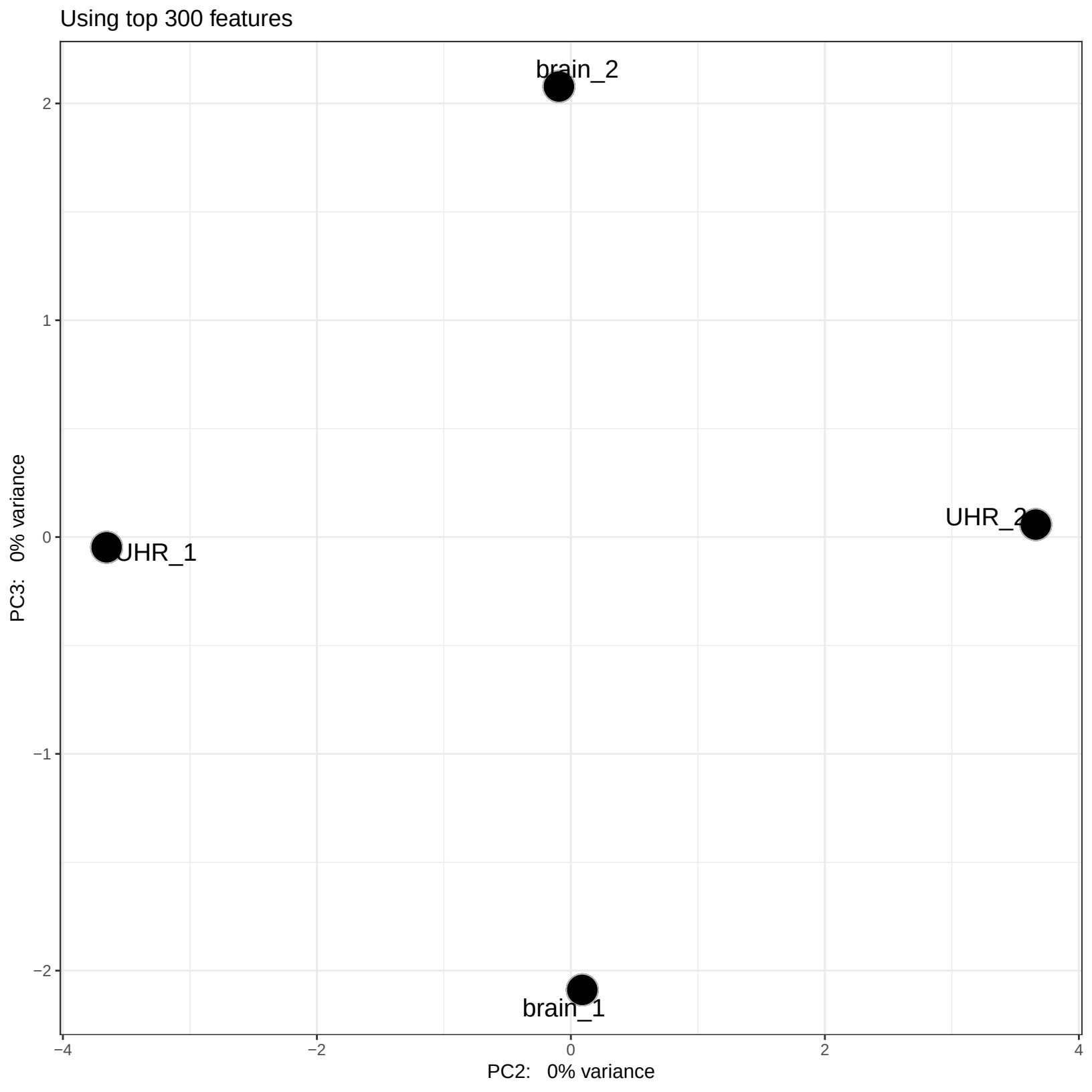

Using top 100 features
brain_2
UHR_2
UHR_1
brain_1
0.4
0.0
−0.4
PC3: 0% variance
−50
−25
0
25
50
PC1: 100% variance

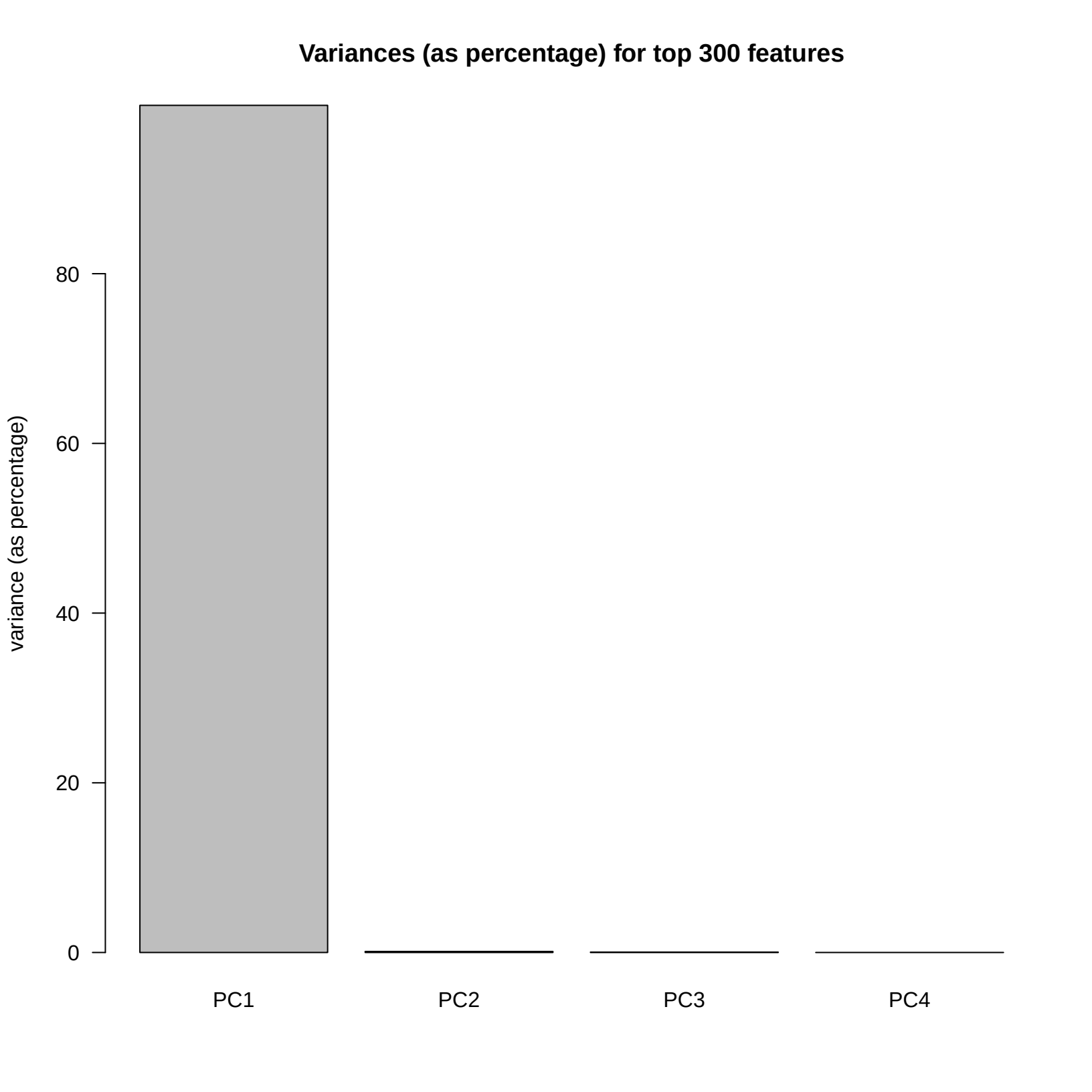

Using top 100 features
brain_2
UHR_1
UHR_2
brain_1
0.4
0.0
−0.4
PC3: 0% variance
−2
−1
0
1
2
PC2: 0% variance

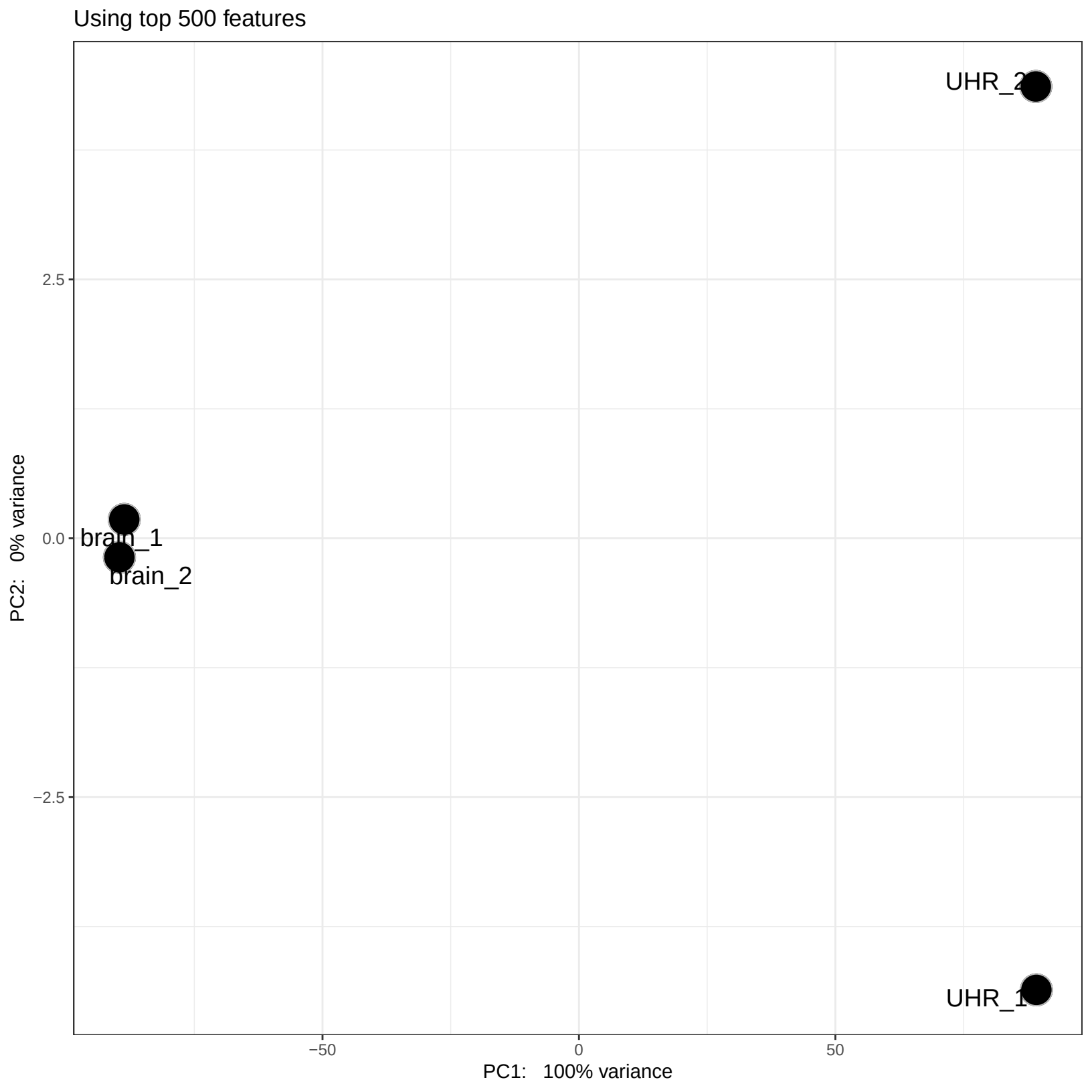

Variances (as percentage) for top 100 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

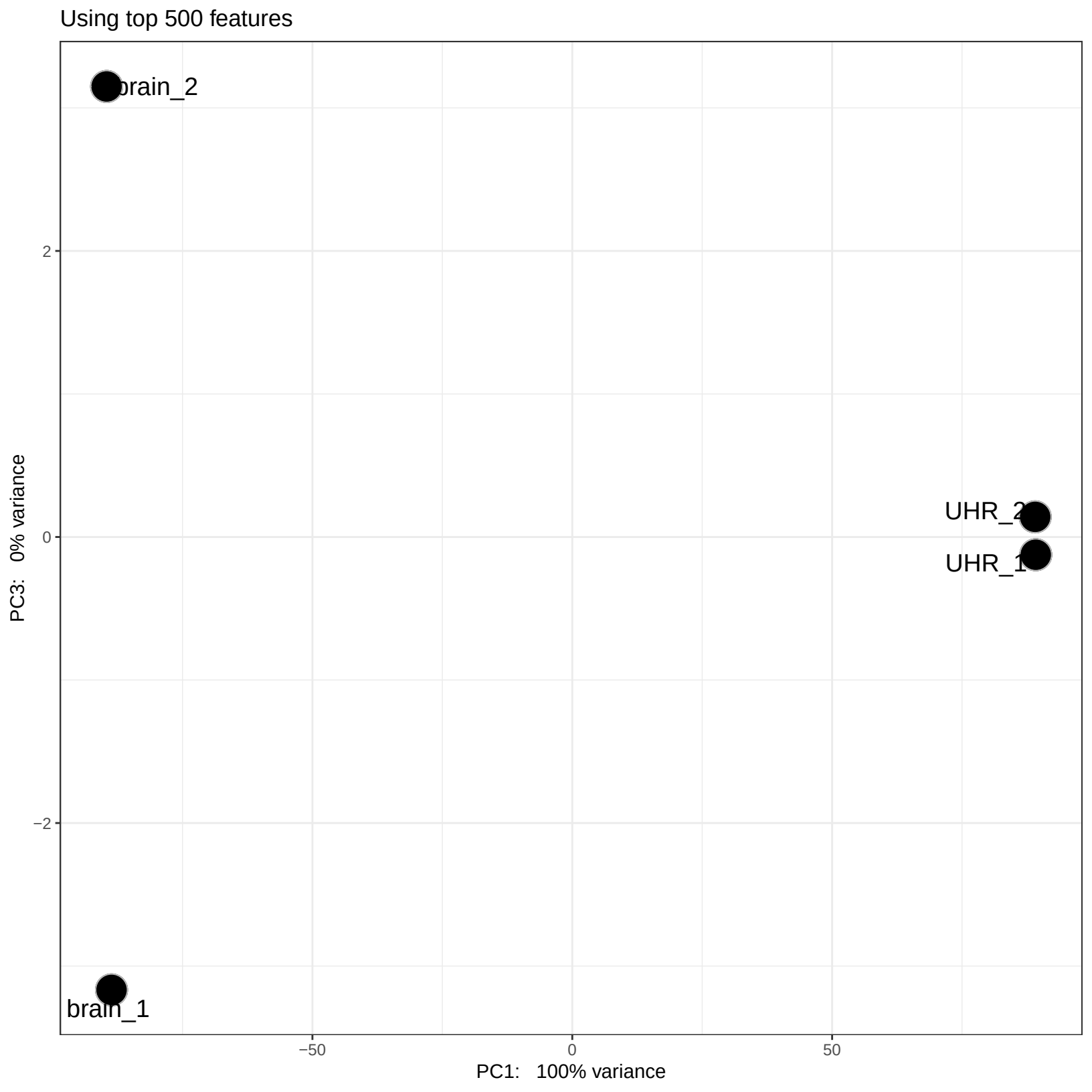

Using top 300 features
UHR_2
brain_1
brain_2
UHR_1
PC2: 0% variance
PC1: 100% variance
4
2
0
−2
−4
−80
−40
0
40
80

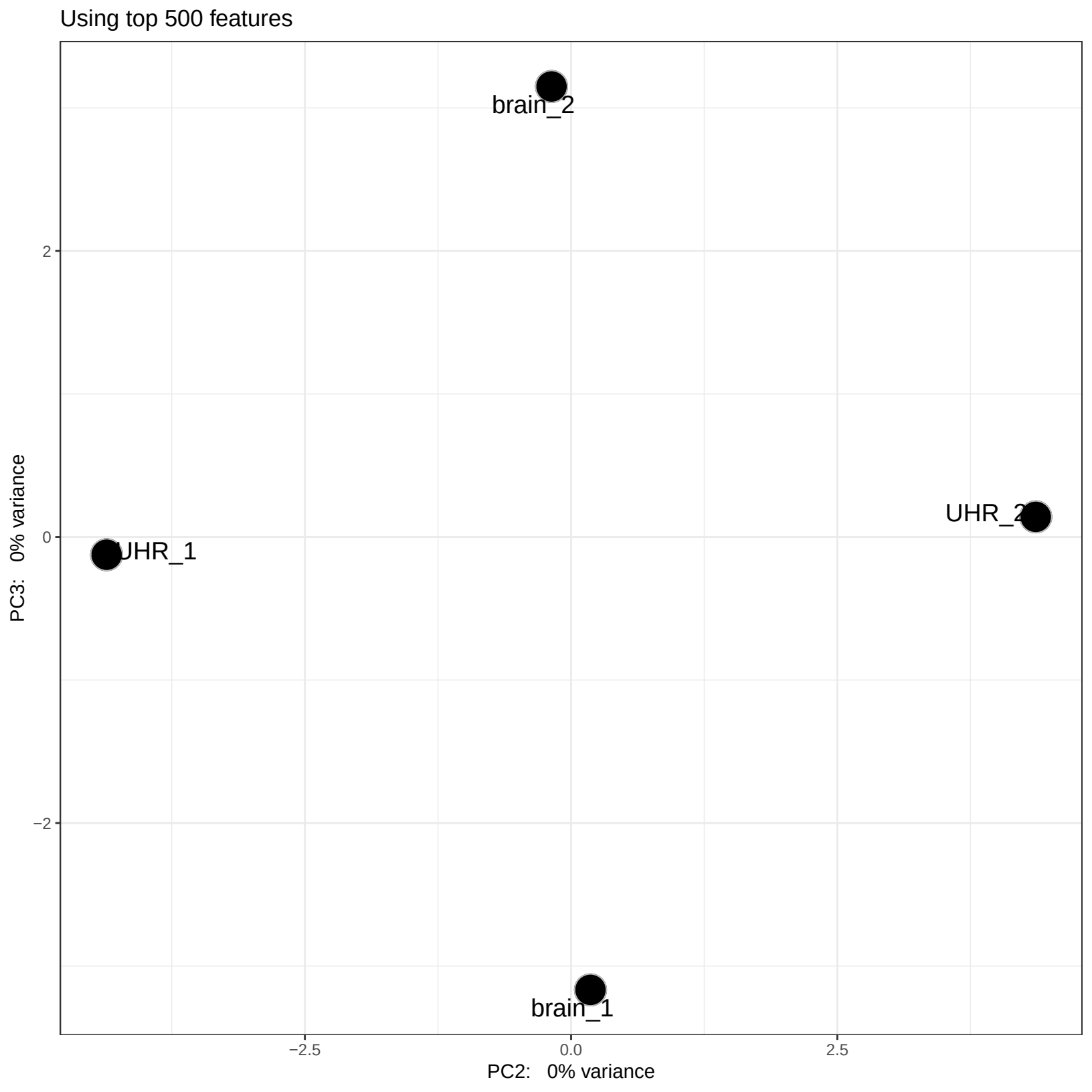

Using top 300 features
brain_2
UHR_2
UHR_1
brain_1
2
1
0
−1
−2
PC3: 0% variance
−80
−40
0
40
80
PC1: 100% variance

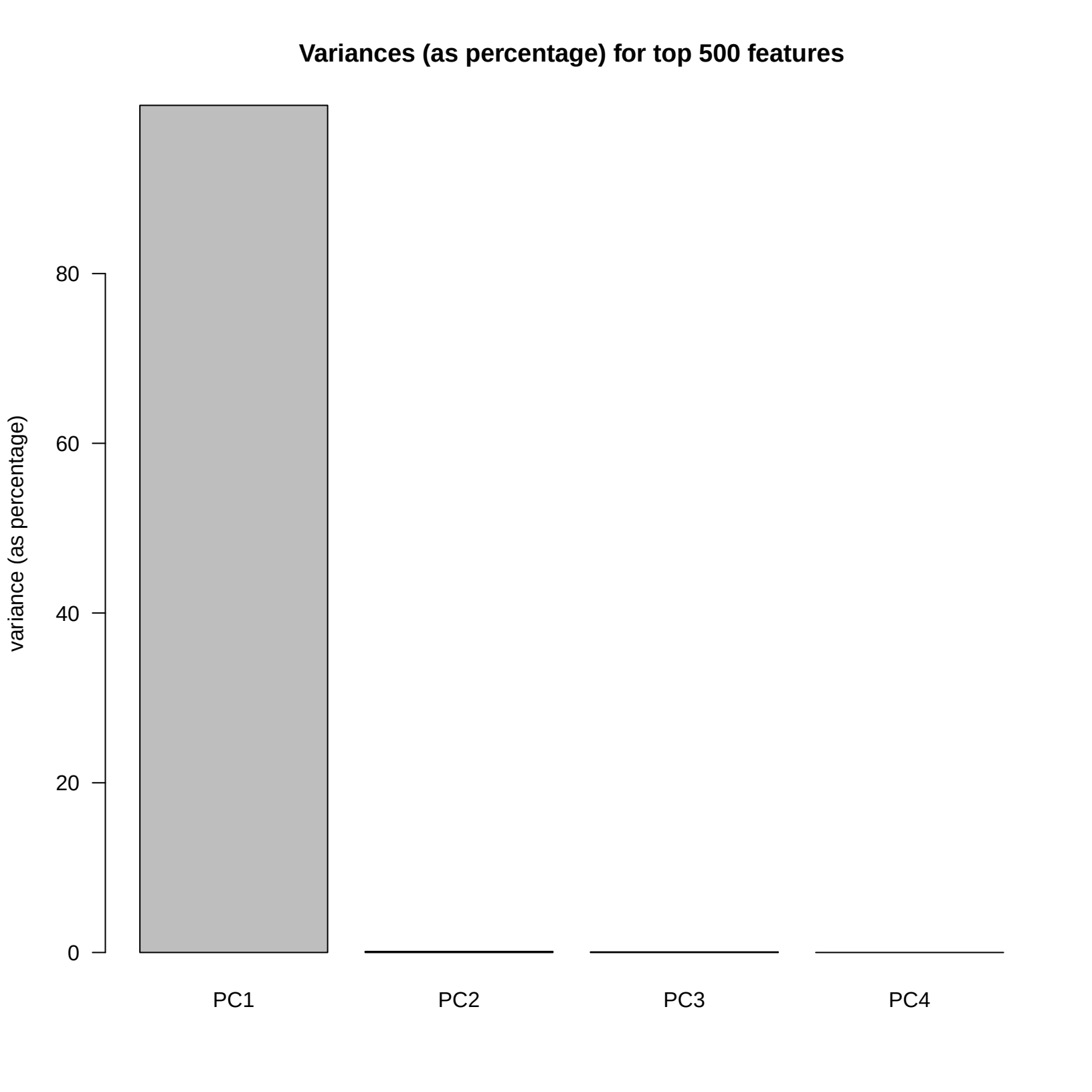

Using top 300 features
brain_2
UHR_2
UHR_1
brain_1
2
1
0
−1
−2
PC3: 0% variance
−4
−2
0
2
4
PC2: 0% variance

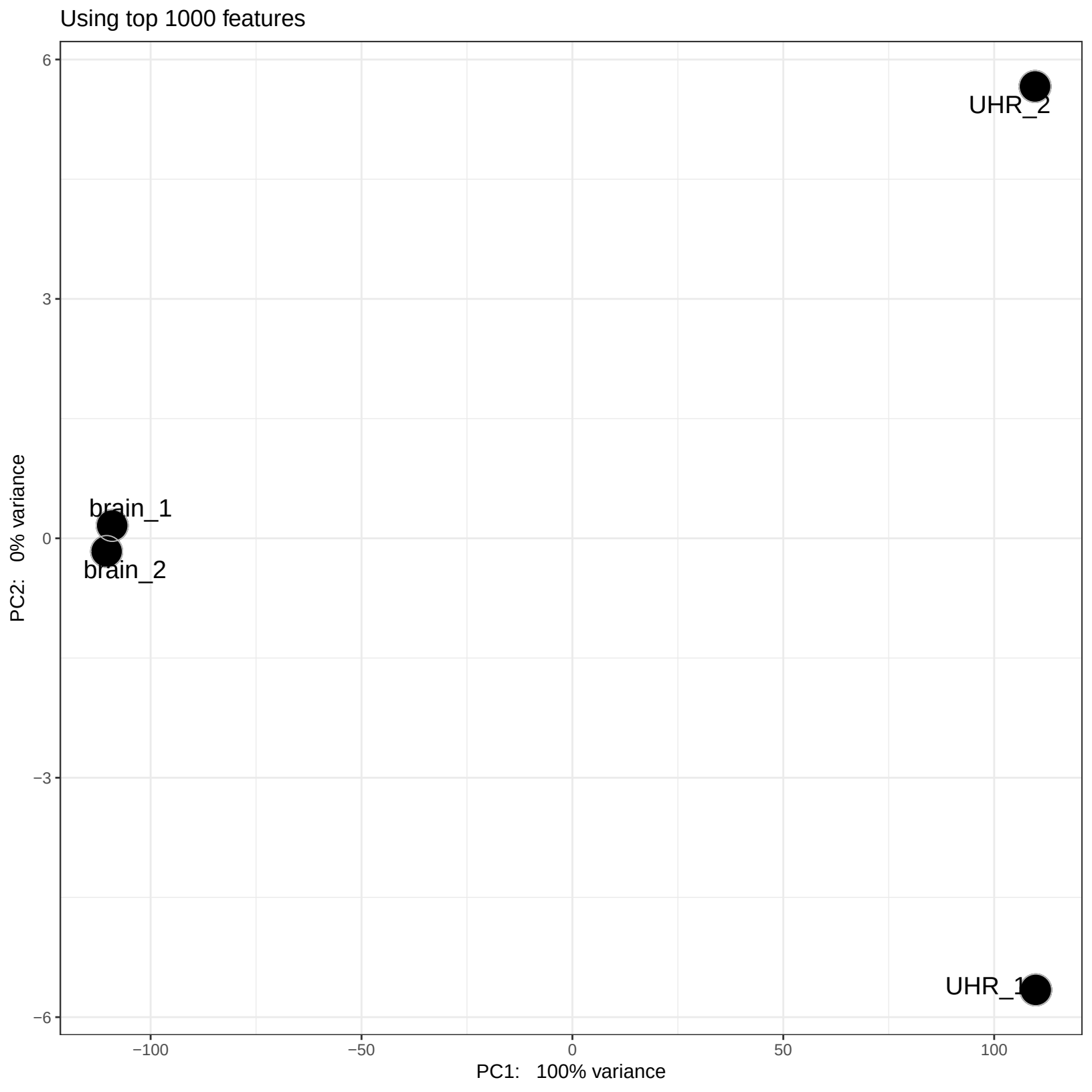

Variances (as percentage) for top 300 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

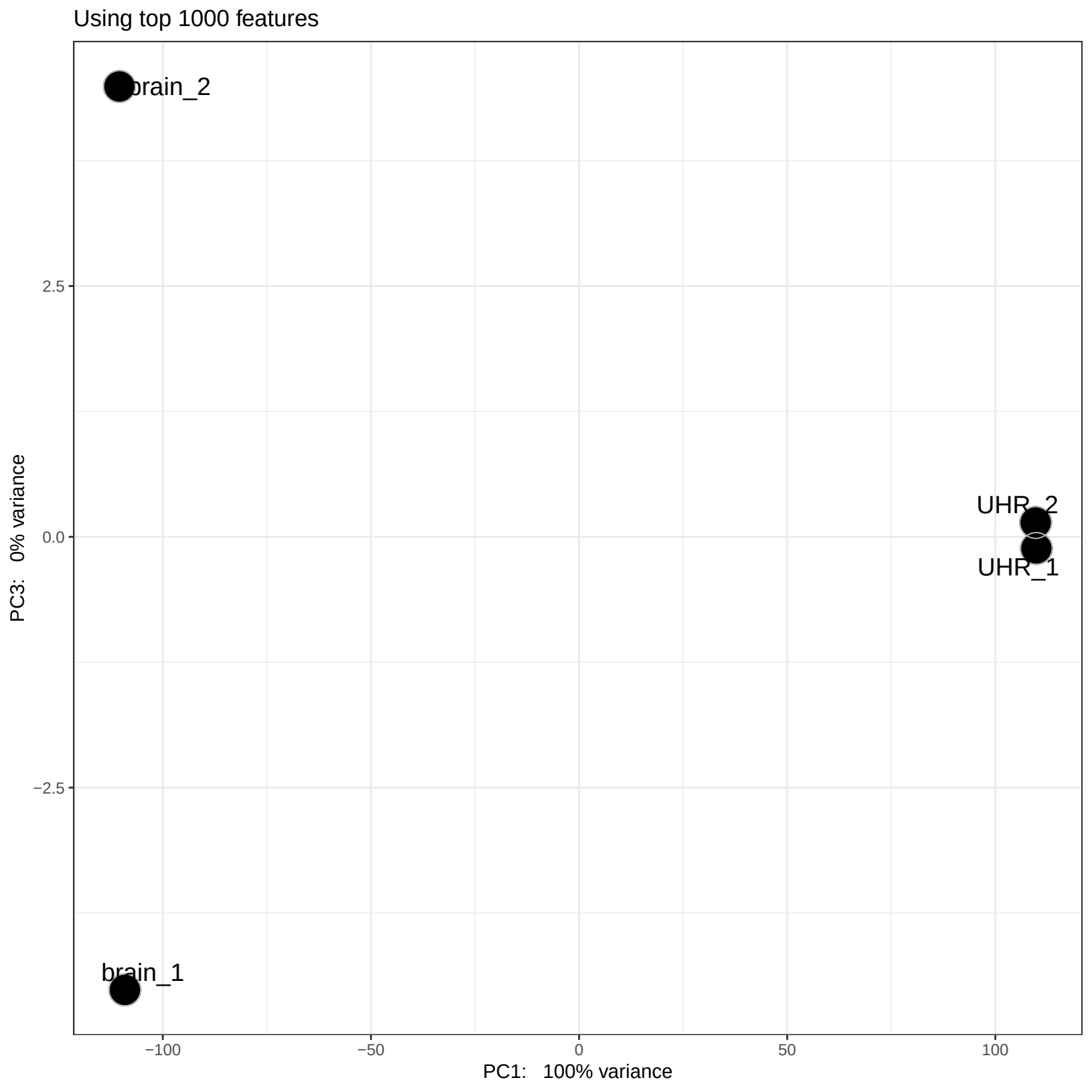

Using top 500 features
UHR_2
brain_1
brain_2
UHR_1
2.5
0.0
−2.5
PC2: 0% variance
−50
0
50
PC1: 100% variance

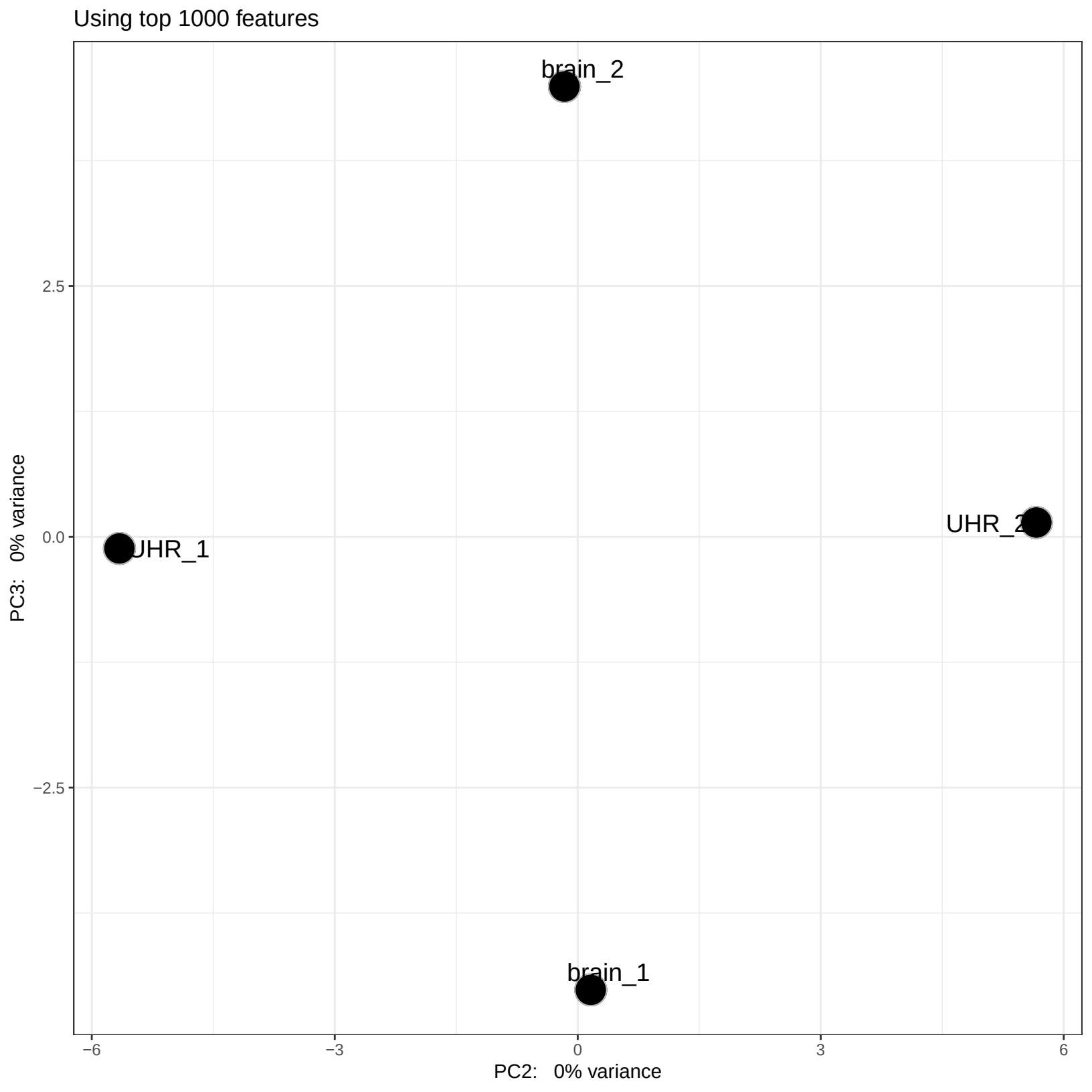

Using top 500 features
brain_2
UHR_2
UHR_1
brain_1
2
0
−2
PC3: 0% variance
−50
0
50
PC1: 100% variance

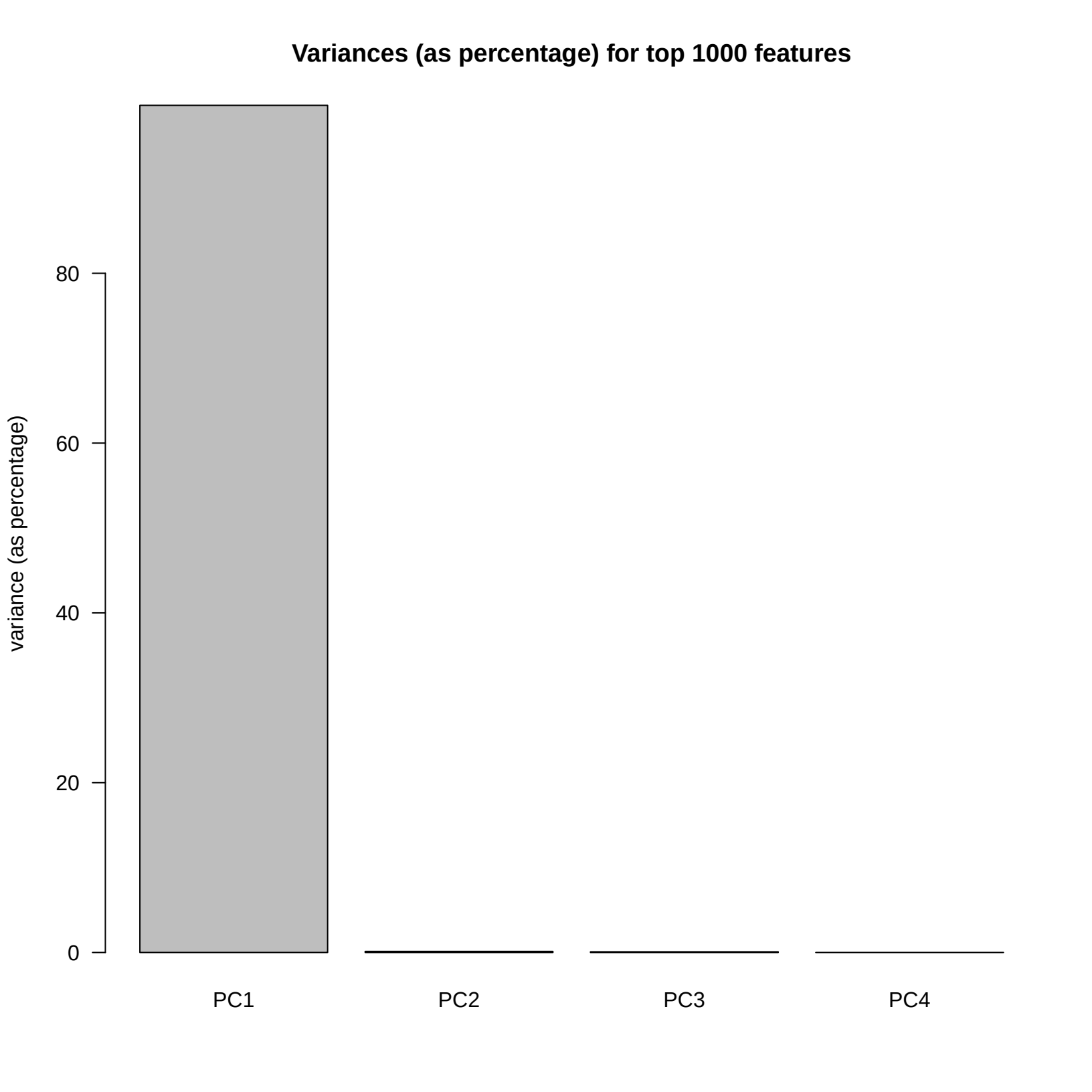

Using top 500 features
brain_2
UHR_2
UHR_1
brain_1
2
0
−2
PC3: 0% variance
−2.5
0.0
2.5
PC2: 0% variance

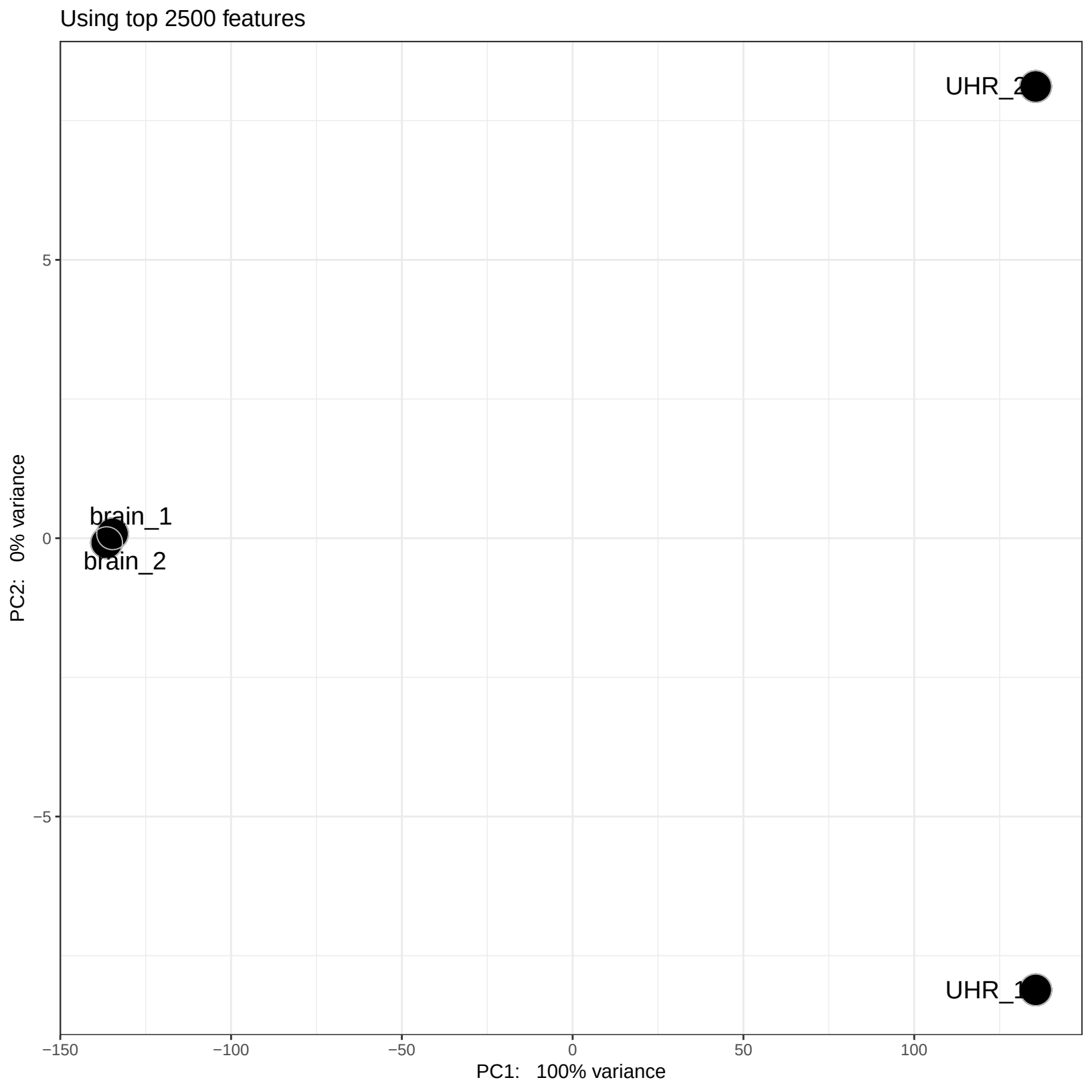

Variances (as percentage) for top 500 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

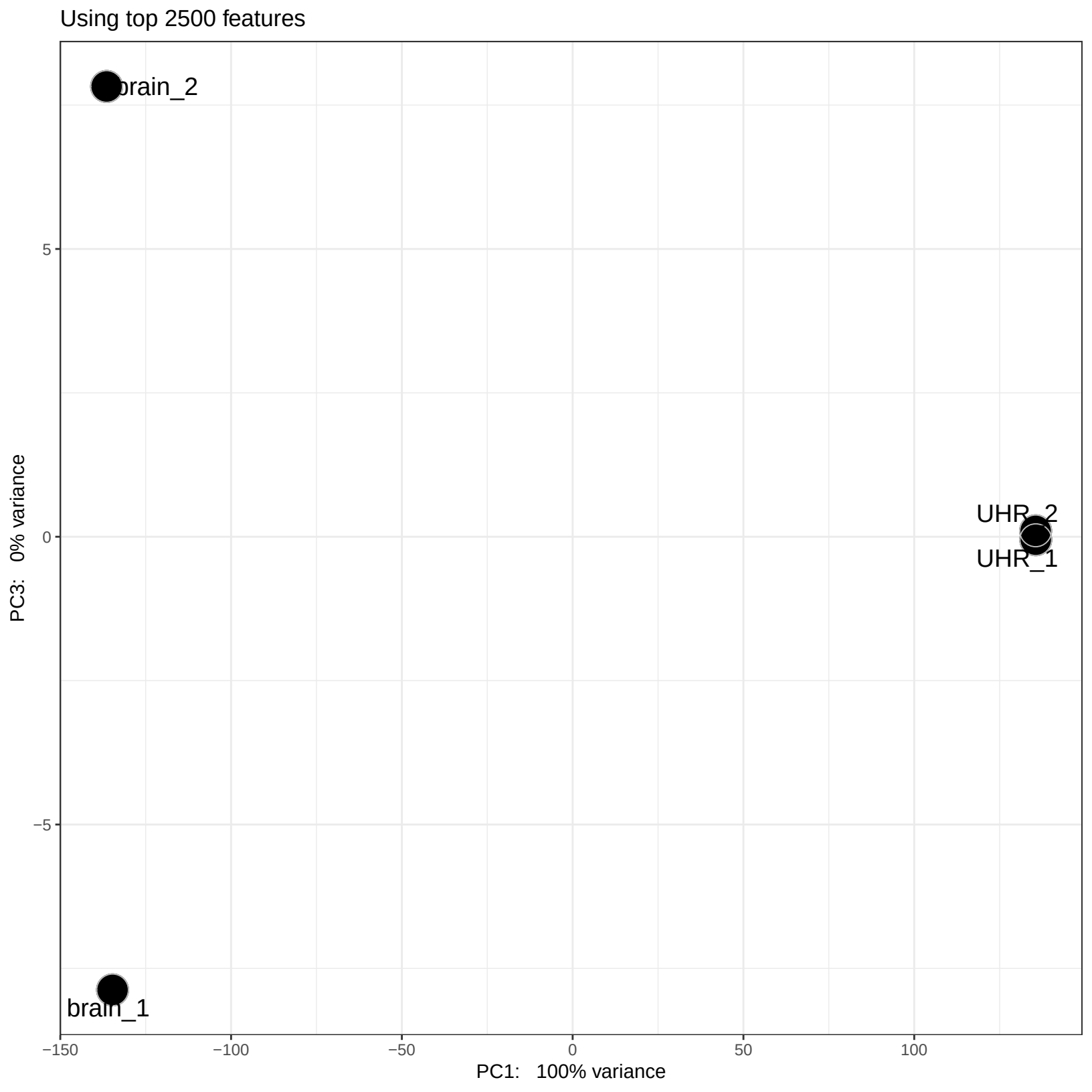

Using top 1000 features
6
3
0
−3
−6
PC2: 0% variance
UHR_2
brain_1
brain_2
UHR_1
−100
−50
0
50
100
PC1: 100% variance

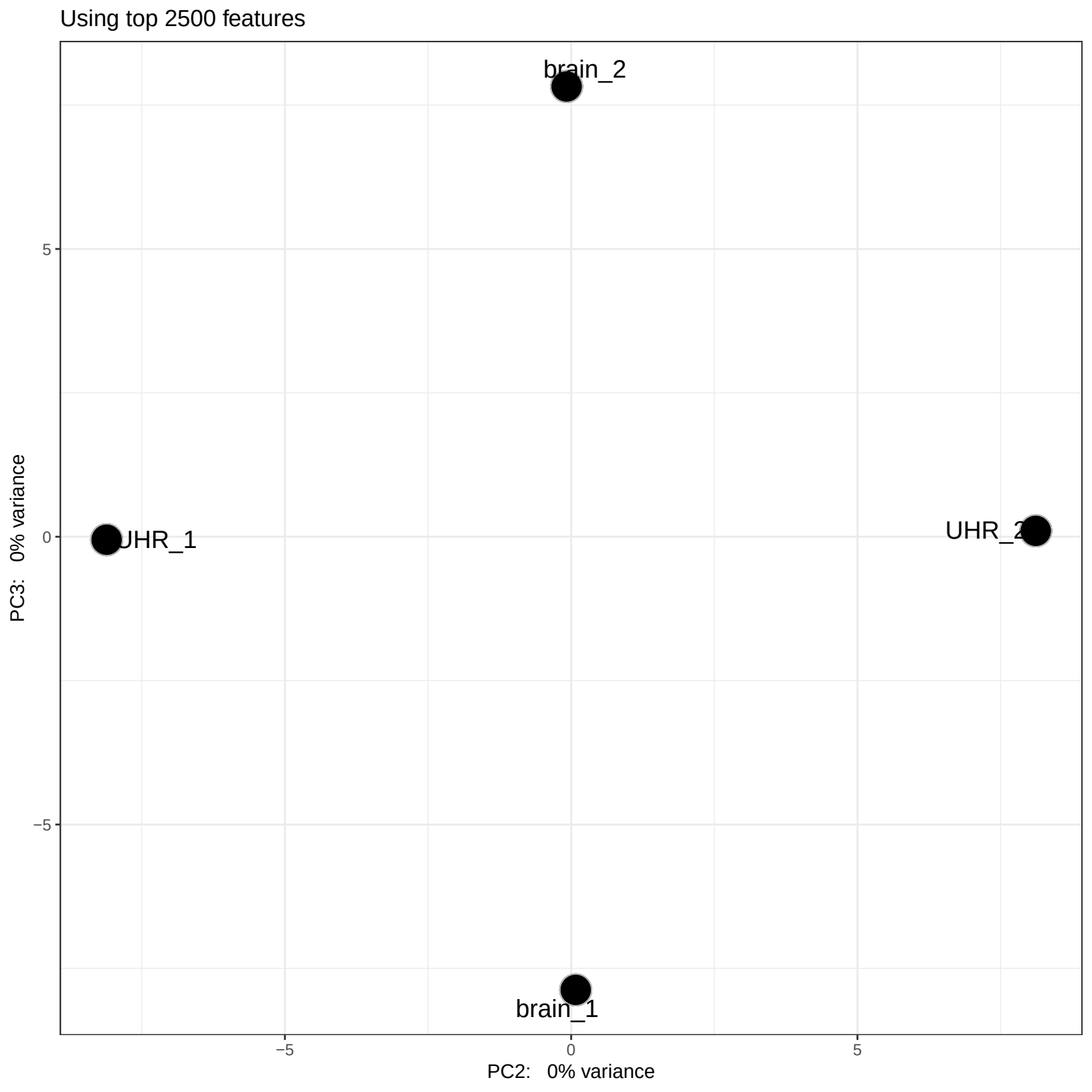

Using top 1000 features
brain_2
UHR_2
UHR_1
brain_1
2.5
0.0
−2.5
PC3: 0% variance
−100
−50
0
50
100
PC1: 100% variance

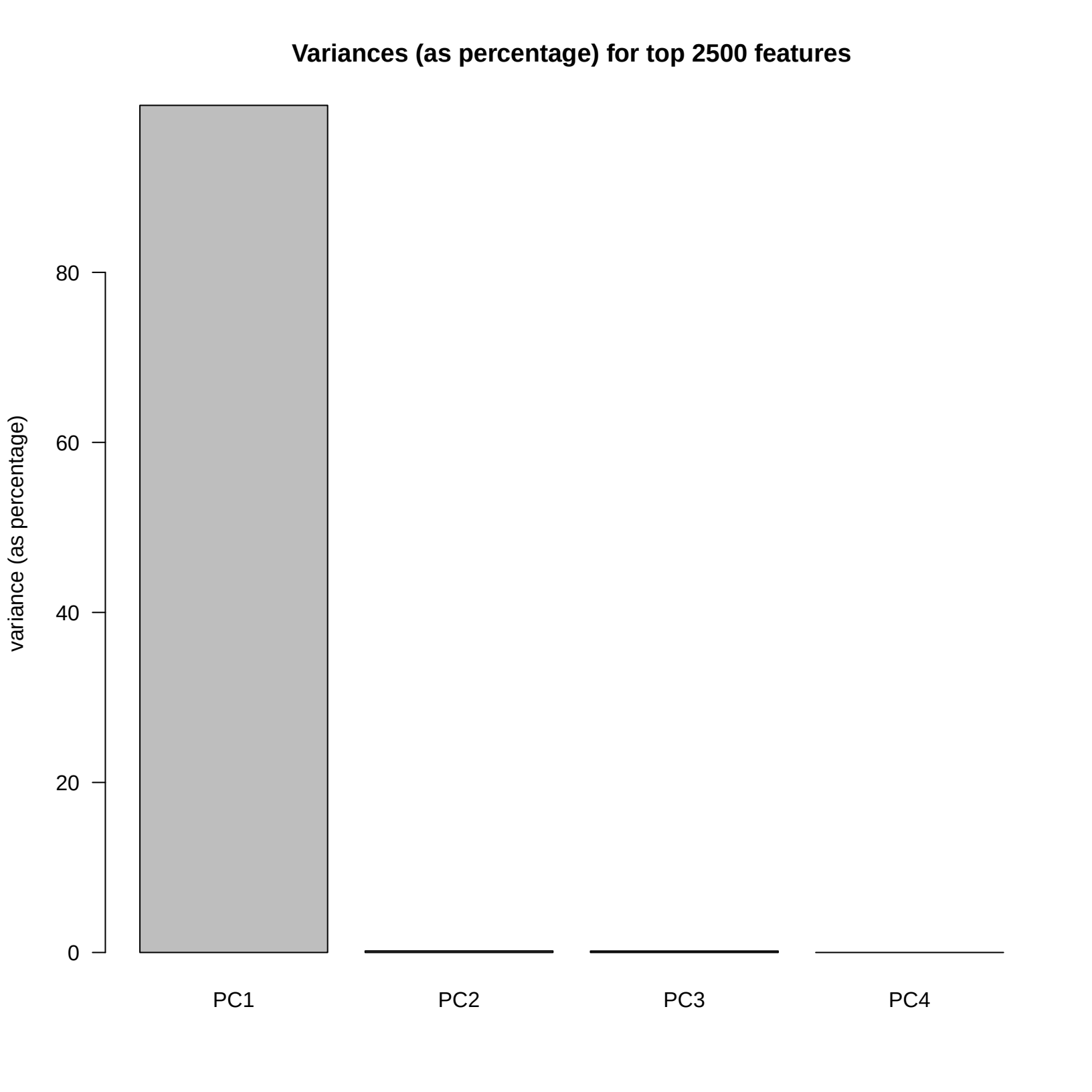

Using top 1000 features
brain_2
UHR_2
UHR_1
brain_1
2.5
0.0
−2.5
PC3: 0% variance
−6
−3
0
3
6
PC2: 0% variance

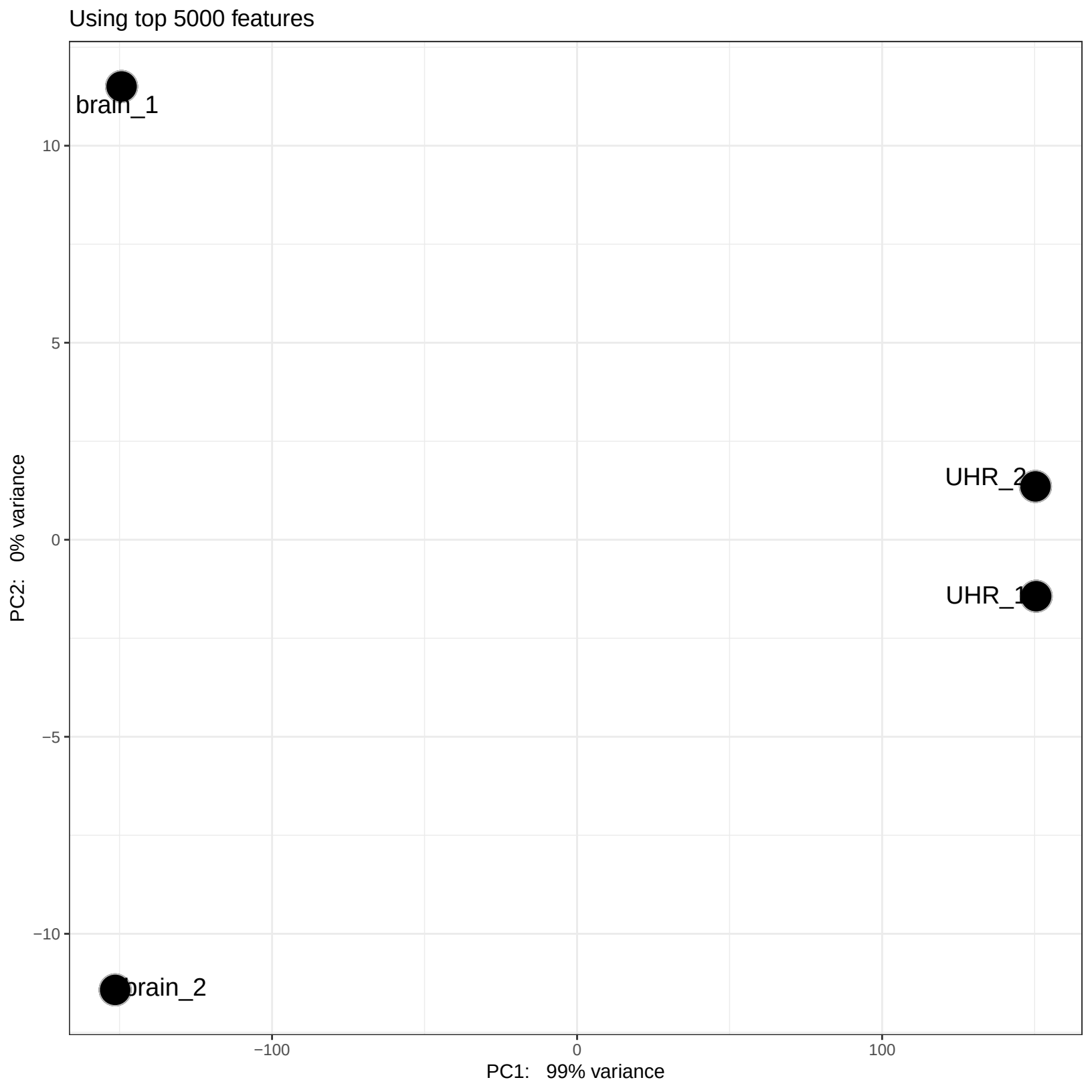

Variances (as percentage) for top 1000 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

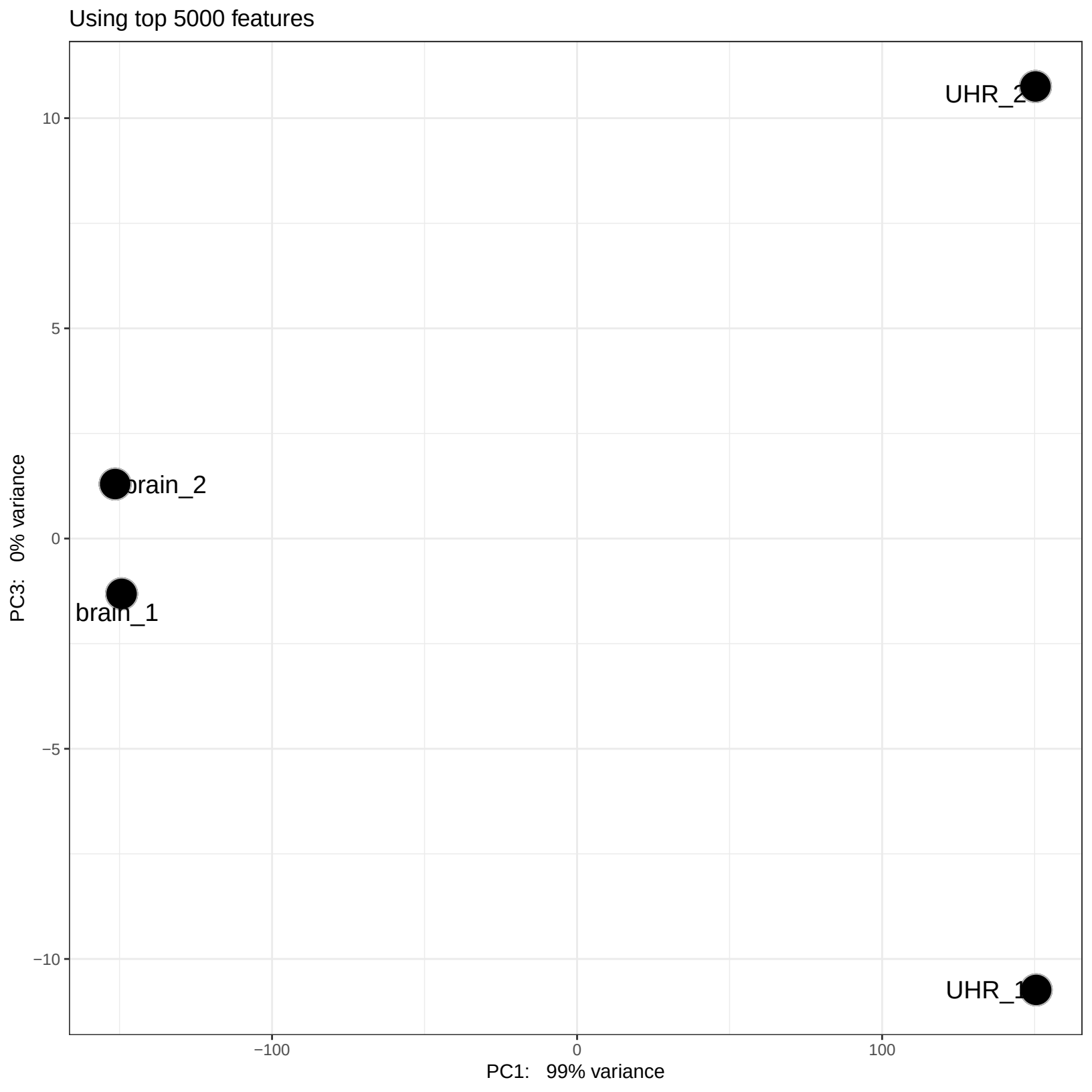

Using top 2500 features
UHR_2
brain_1
brain_2
UHR_1
5
0
−5
PC2: 0% variance
−150
−100
−50
0
50
100
PC1: 100% variance

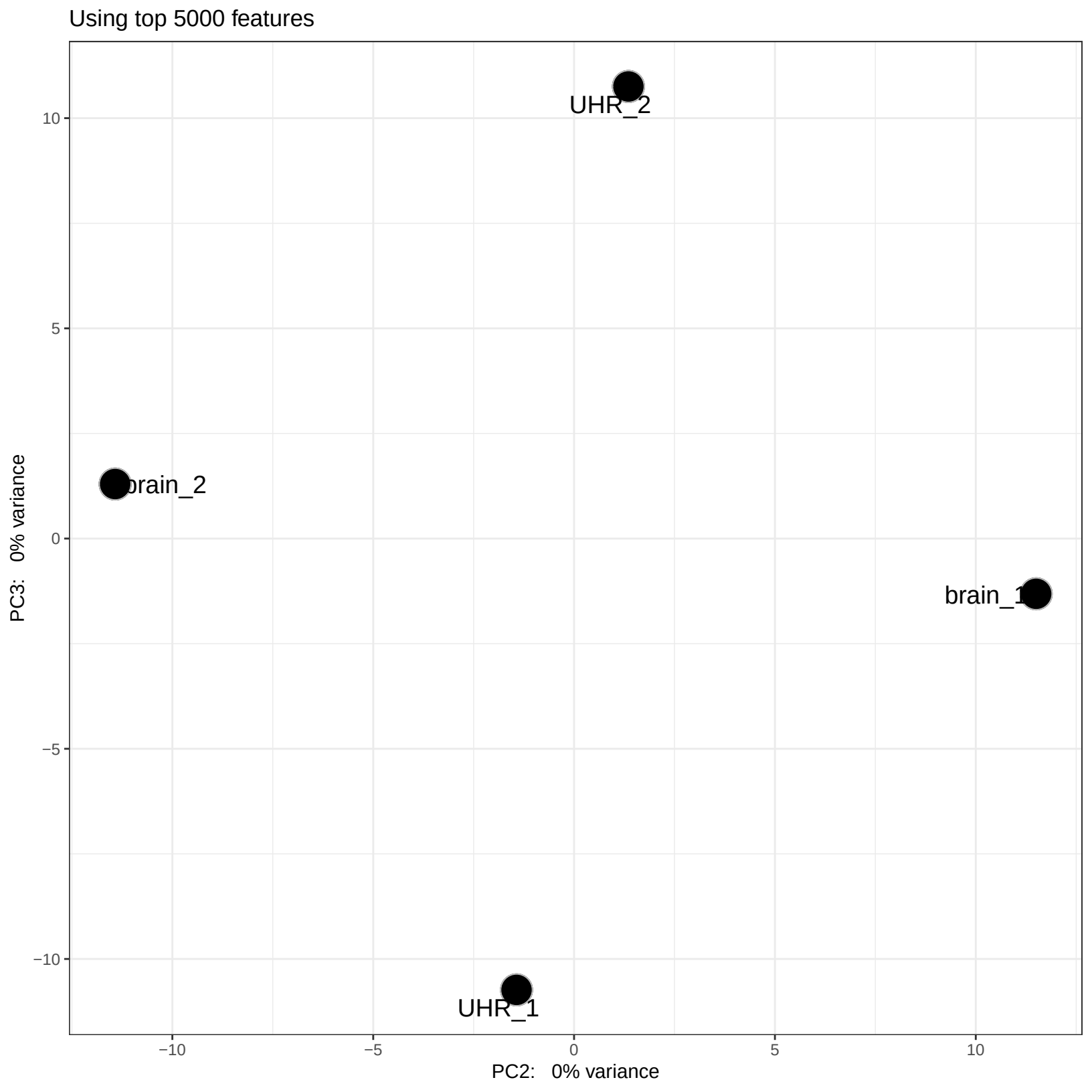

Using top 2500 features
brain_2
UHR_2
UHR_1
brain_1
5
0
−5
PC3: 0% variance
−150
−100
−50
0
50
100
PC1: 100% variance

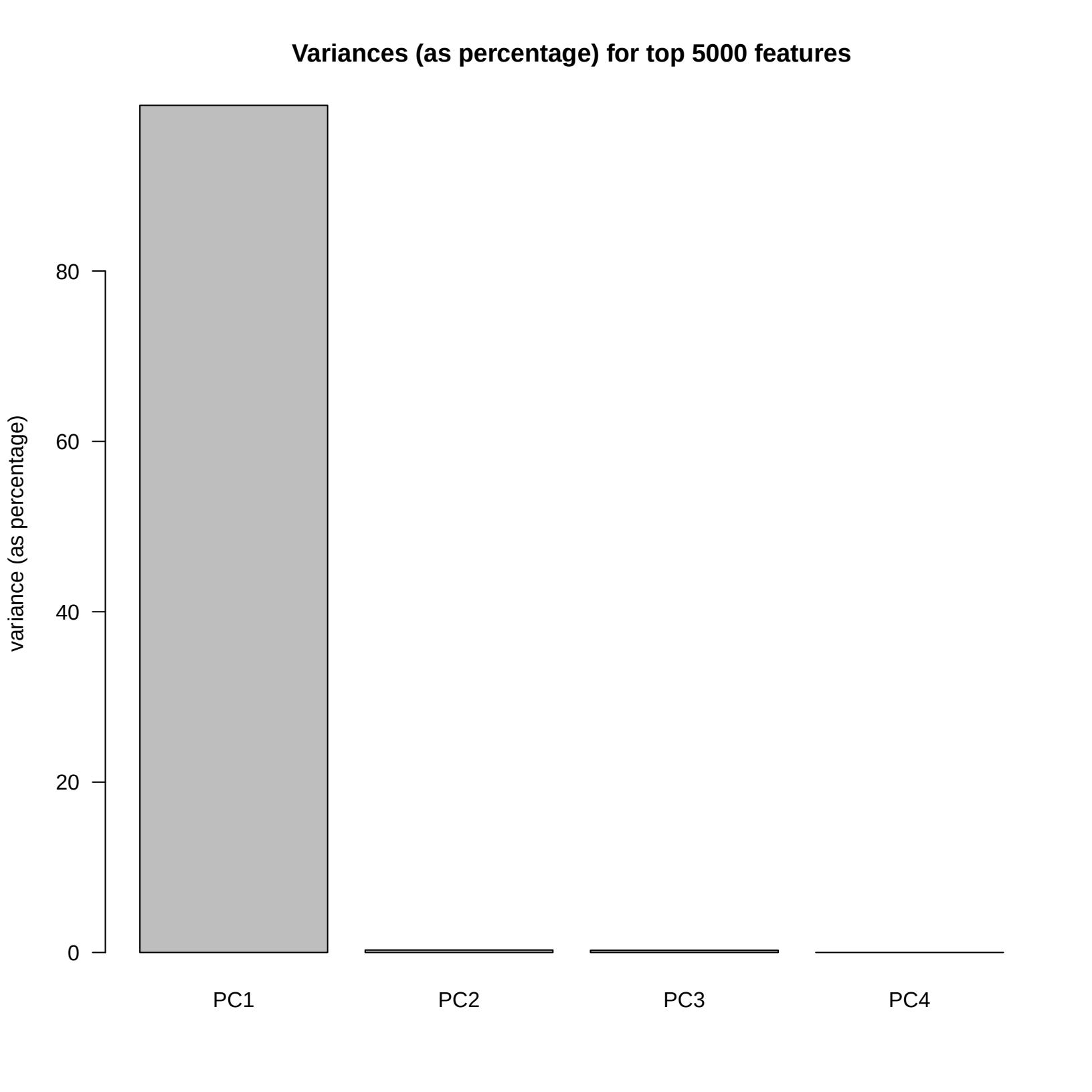

Using top 2500 features
brain_2
UHR_1
UHR_2
brain_1
5
0
−5
PC3: 0% variance
−5
0
5
PC2: 0% variance

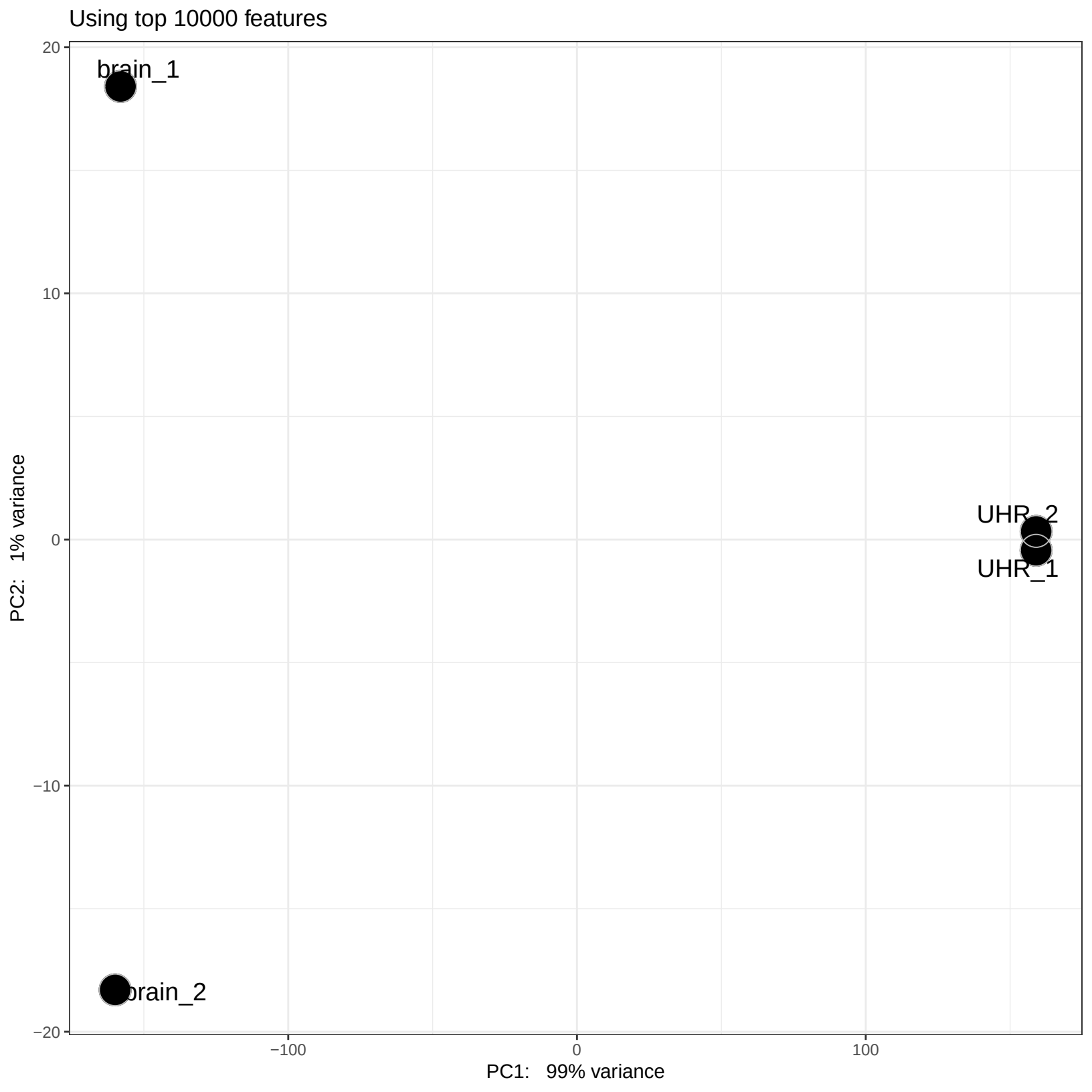

Variances (as percentage) for top 2500 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

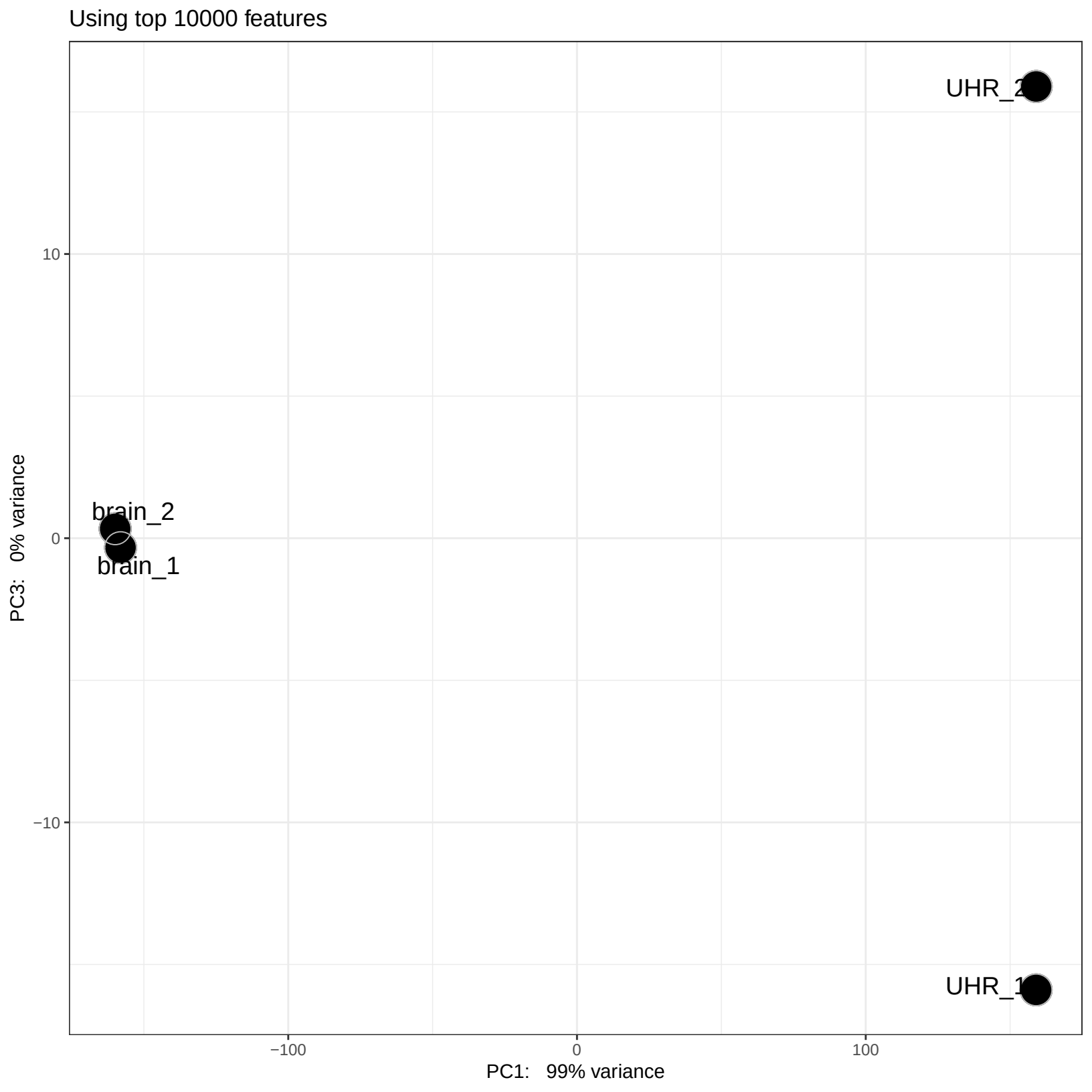

Using top 5000 features
brain_1
UHR_2
UHR_1
brain_2
10
5
0
−5
−10
−100
0
100
PC2: 0% variance
PC1: 99% variance

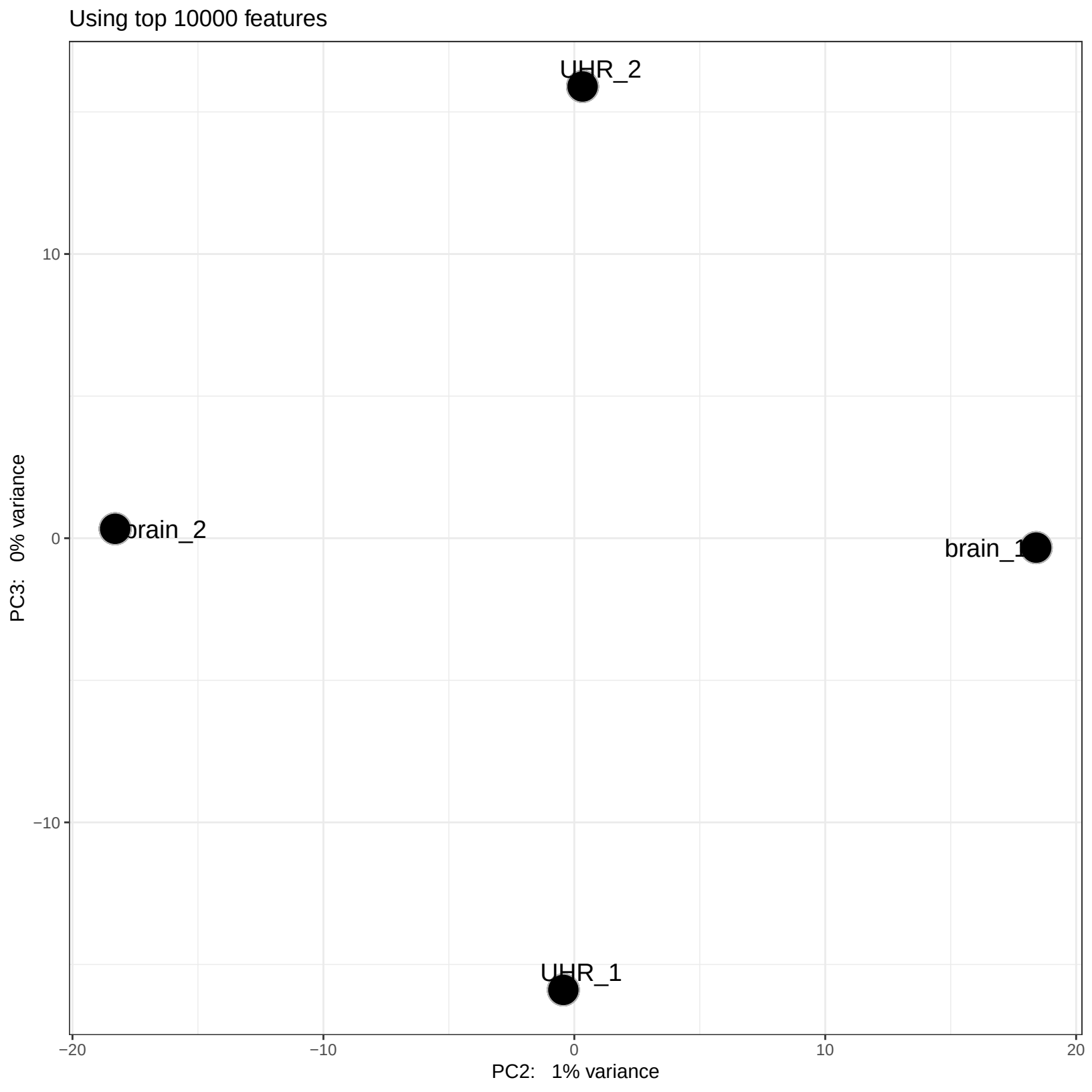

Using top 5000 features
UHR_2
brain_2
brain_1
UHR_1
10
5
0
−5
−10
−100
0
100
PC3: 0% variance
PC1: 99% variance

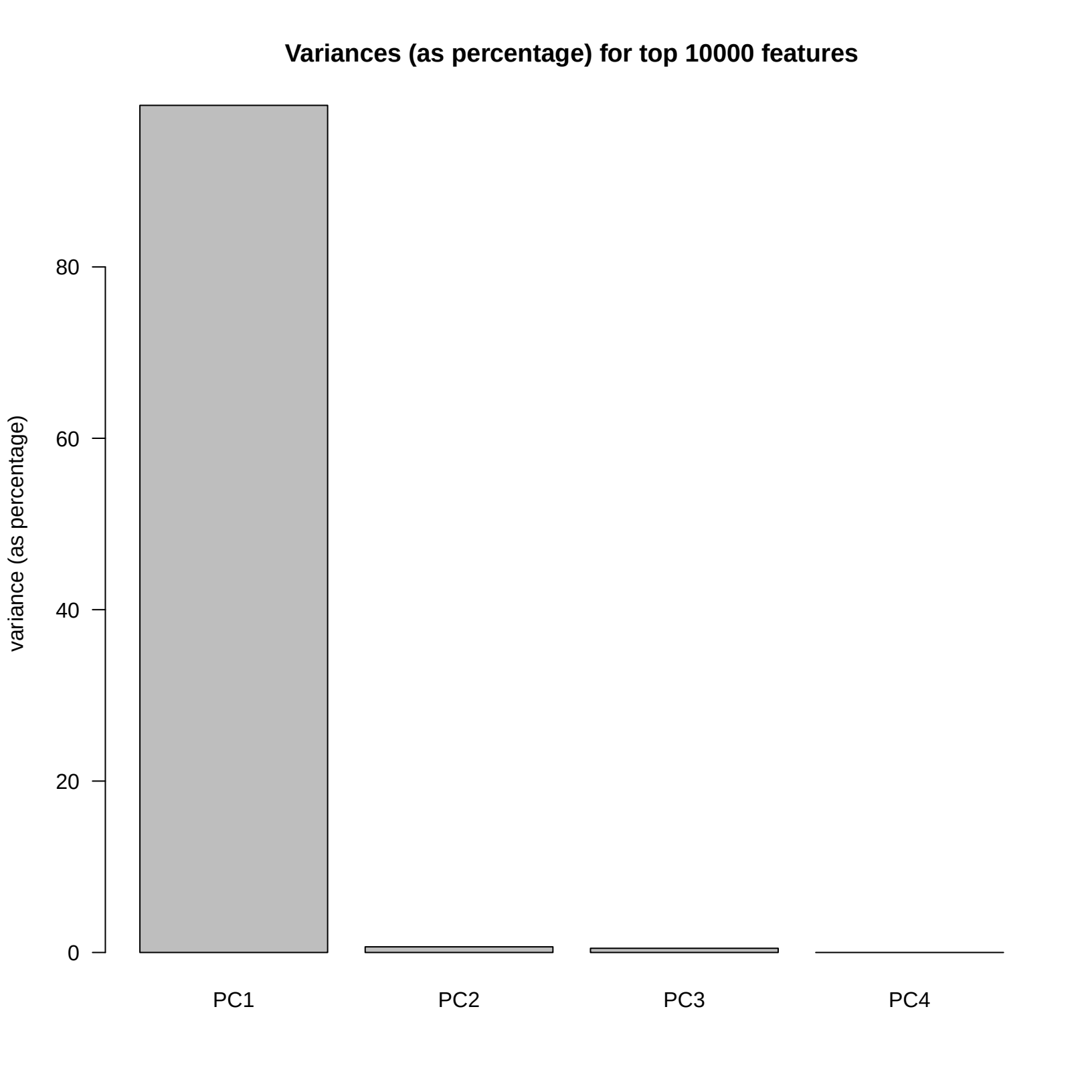

Using top 5000 features
UHR_2
brain_2
brain_1
UHR_1
10
5
0
−5
−10
PC3: 0% variance
−10
−5
0
5
10
PC2: 0% variance

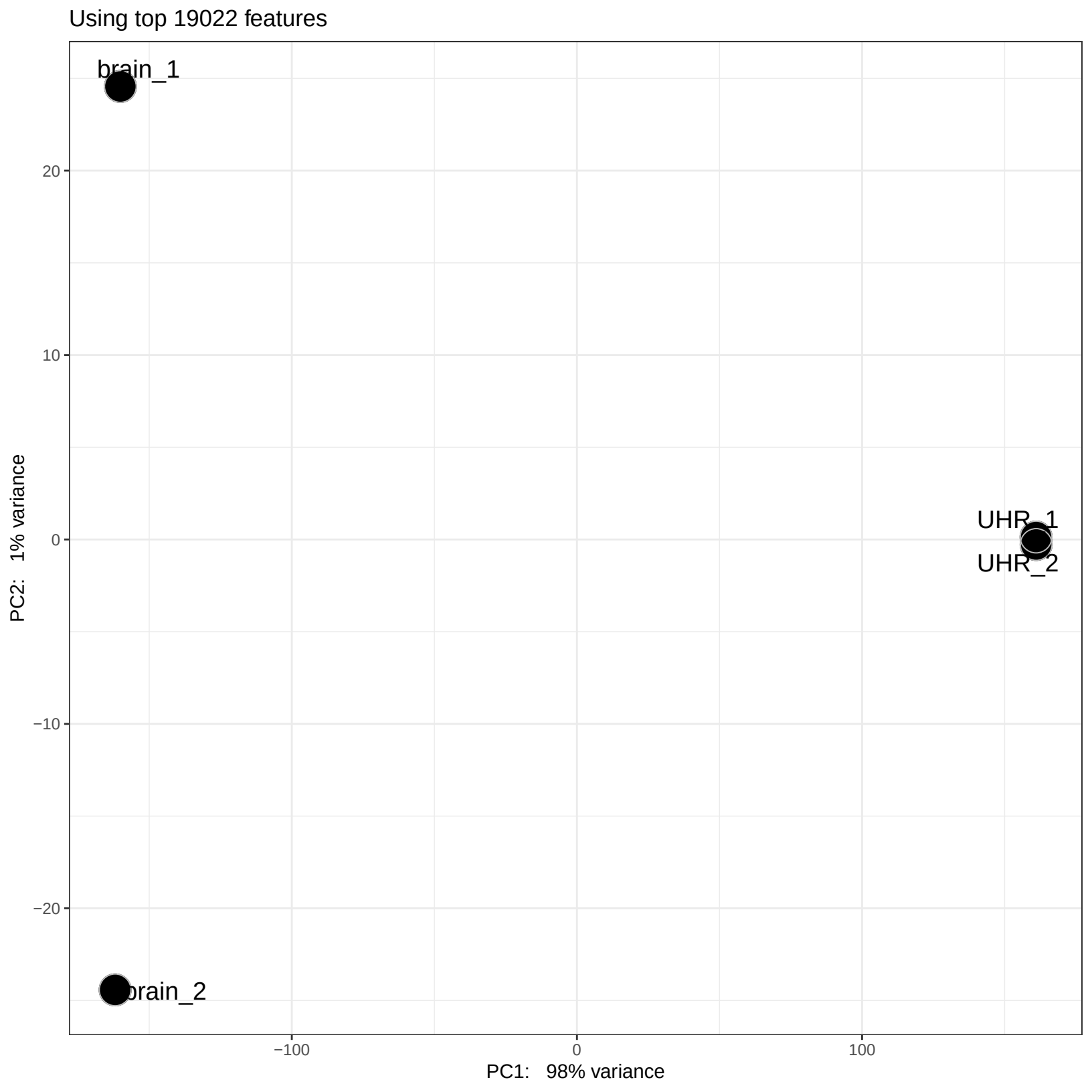

Variances (as percentage) for top 5000 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

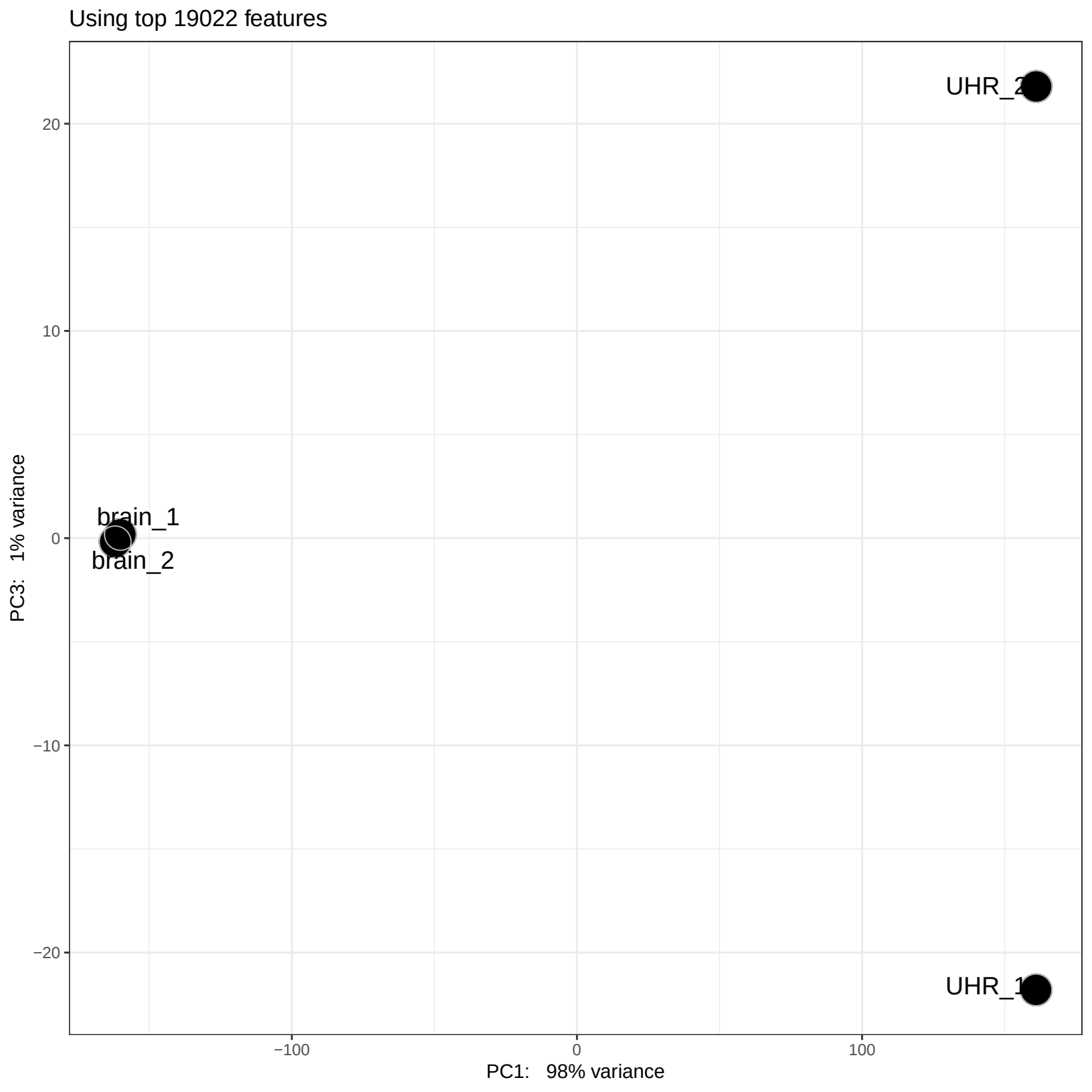

Using top 10000 features
brain_1
UHR_2
UHR_1
brain_2
20
10
0
−10
−20
−100
0
100
PC2: 1% variance
PC1: 99% variance

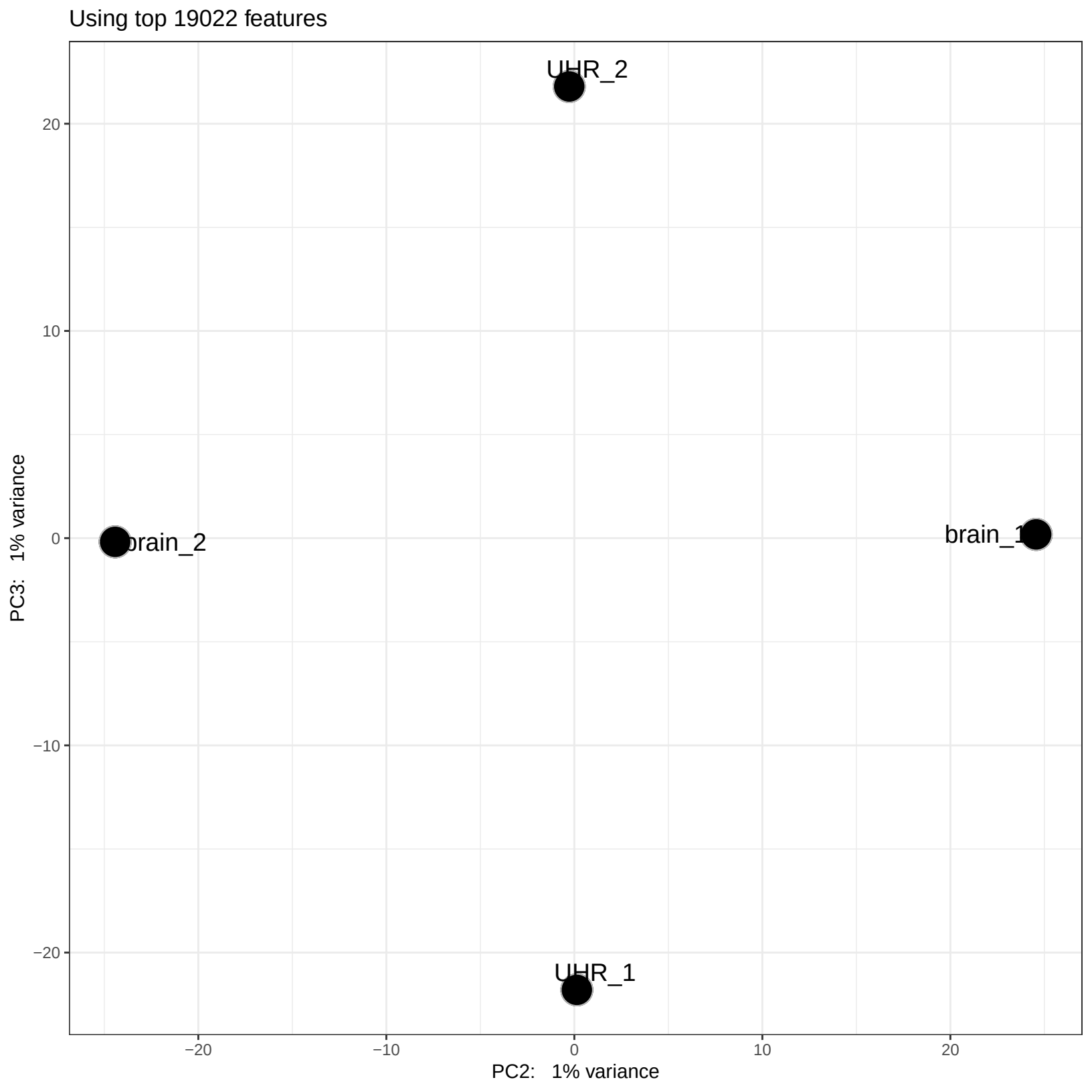

Using top 10000 features
UHR_2
brain_2
brain_1
UHR_1
10
0
−10
−100
0
100
PC3: 0% variance
PC1: 99% variance

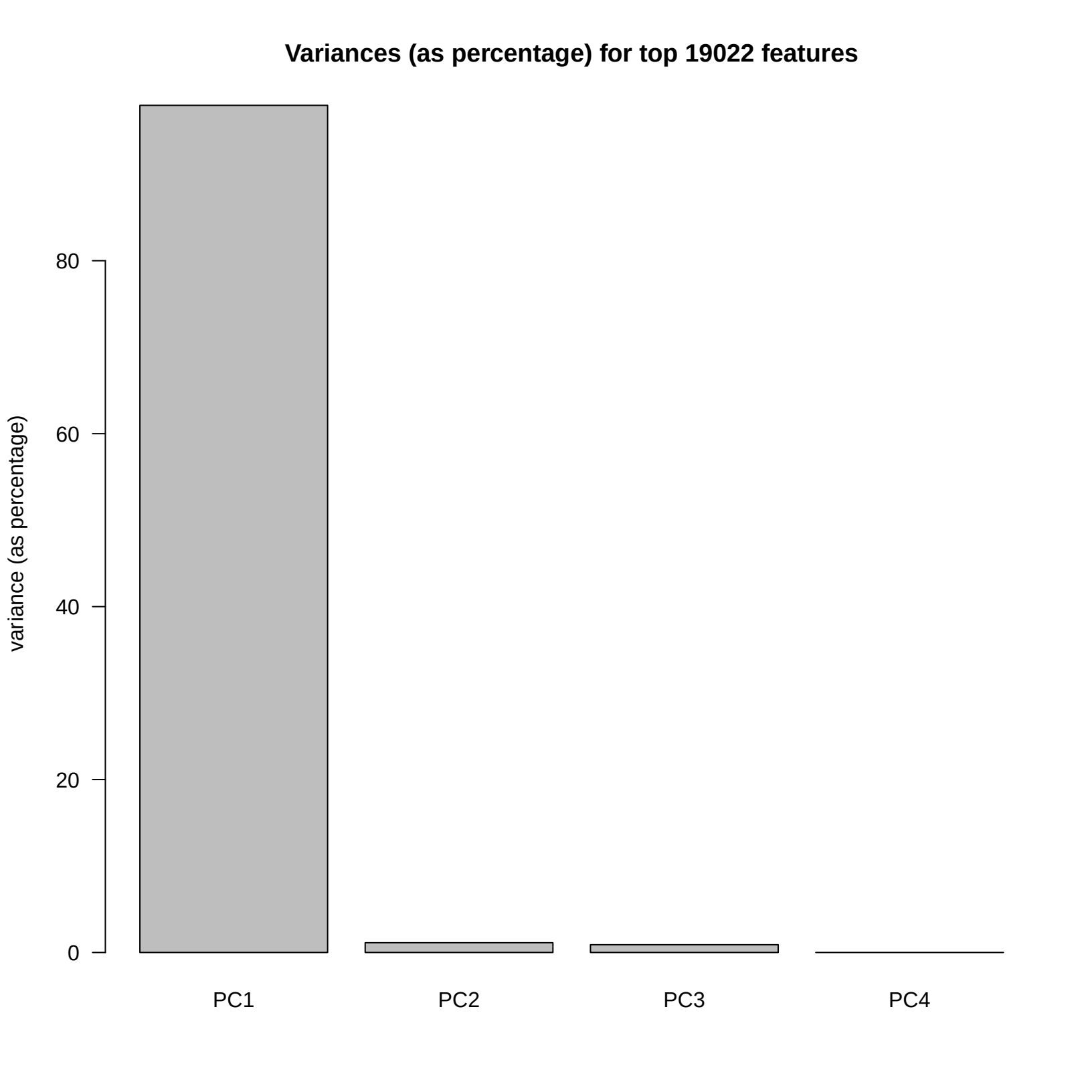

Using top 10000 features
UHR_2
brain_2
brain_1
UHR_1
10
0
−10
−20
−10
0
10
20
PC3: 0% variance
PC2: 1% variance

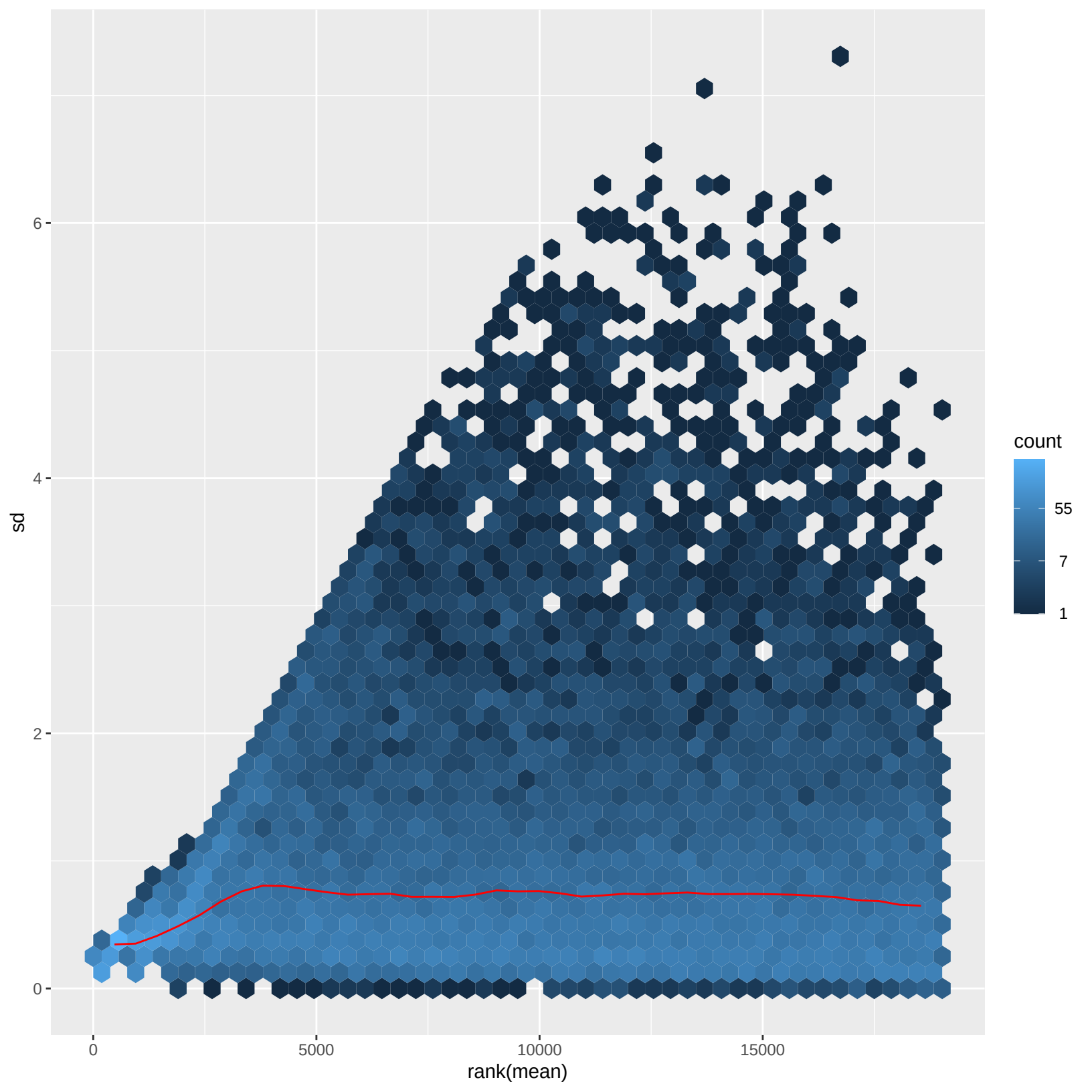

Variances (as percentage) for top 10000 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4

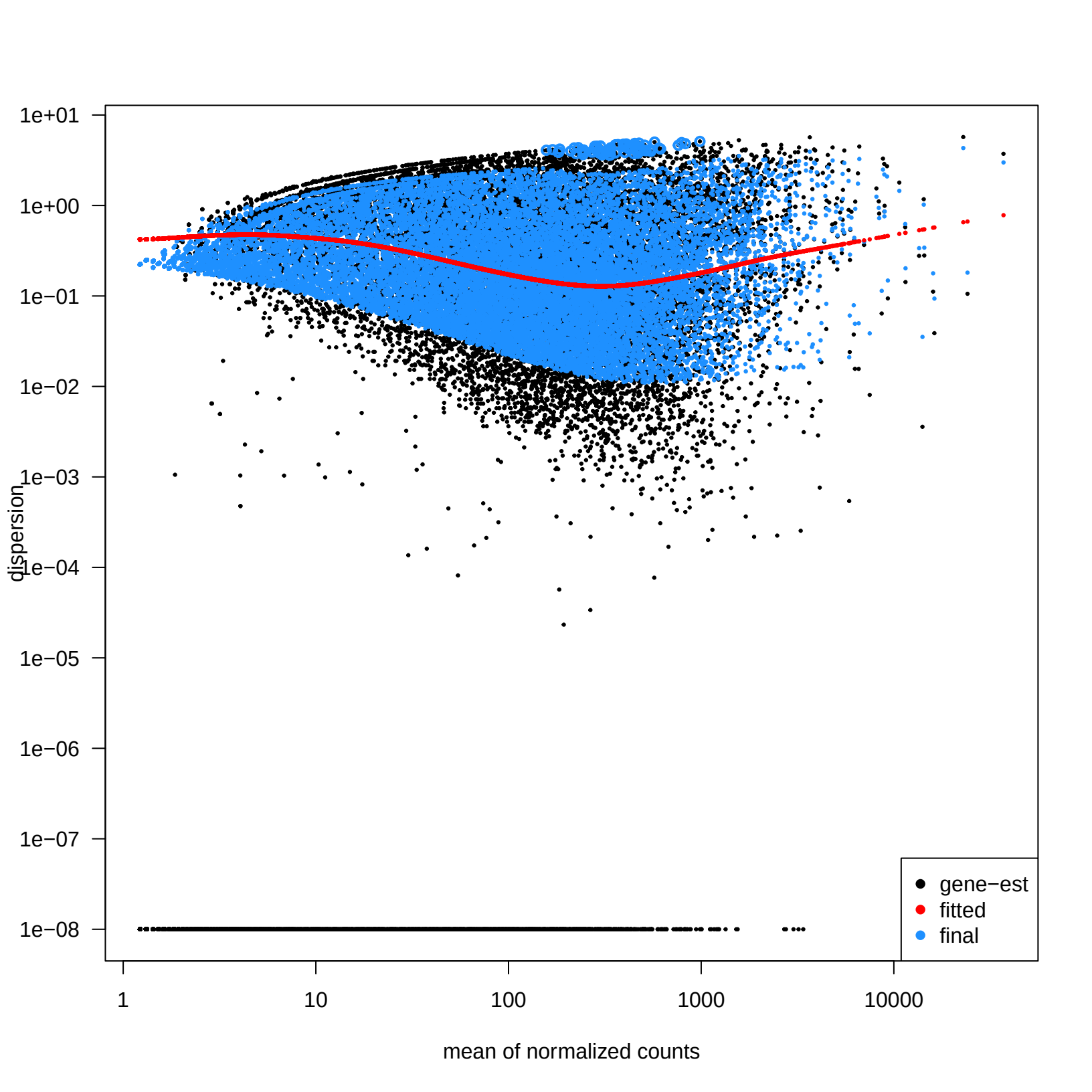

Using top 19022 features
brain_1
brain_2
UHR_1
UHR_2
20
10
0
−10
−20
−100
0
100
PC2: 1% variance
PC1: 98% variance


Using top 19022 features
UHR_2
brain_1
brain_2
UHR_1
20
10
0
−10
−20
−100
0
100
PC3: 1% variance
PC1: 98% variance


Using top 19022 features
UHR_2
brain_2
brain_1
UHR_1
20
10
0
−10
−20
PC3: 1% variance
−20
−10
0
10
20
PC2: 1% variance


Variances (as percentage) for top 19022 features
variance (as percentage)
0
20
40
60
80
PC1
PC2
PC3
PC4


sd
6
4
2
0
0
5000
10000
15000
rank(mean)
count
55
7
1


1e+01
1e+00
1e−01
1e−02
1e−03
1e−04
1e−05
1e−06
1e−07
1e−08
dispersion
1
10
100
1000
10000
mean of normalized counts
gene−est
fitted
final