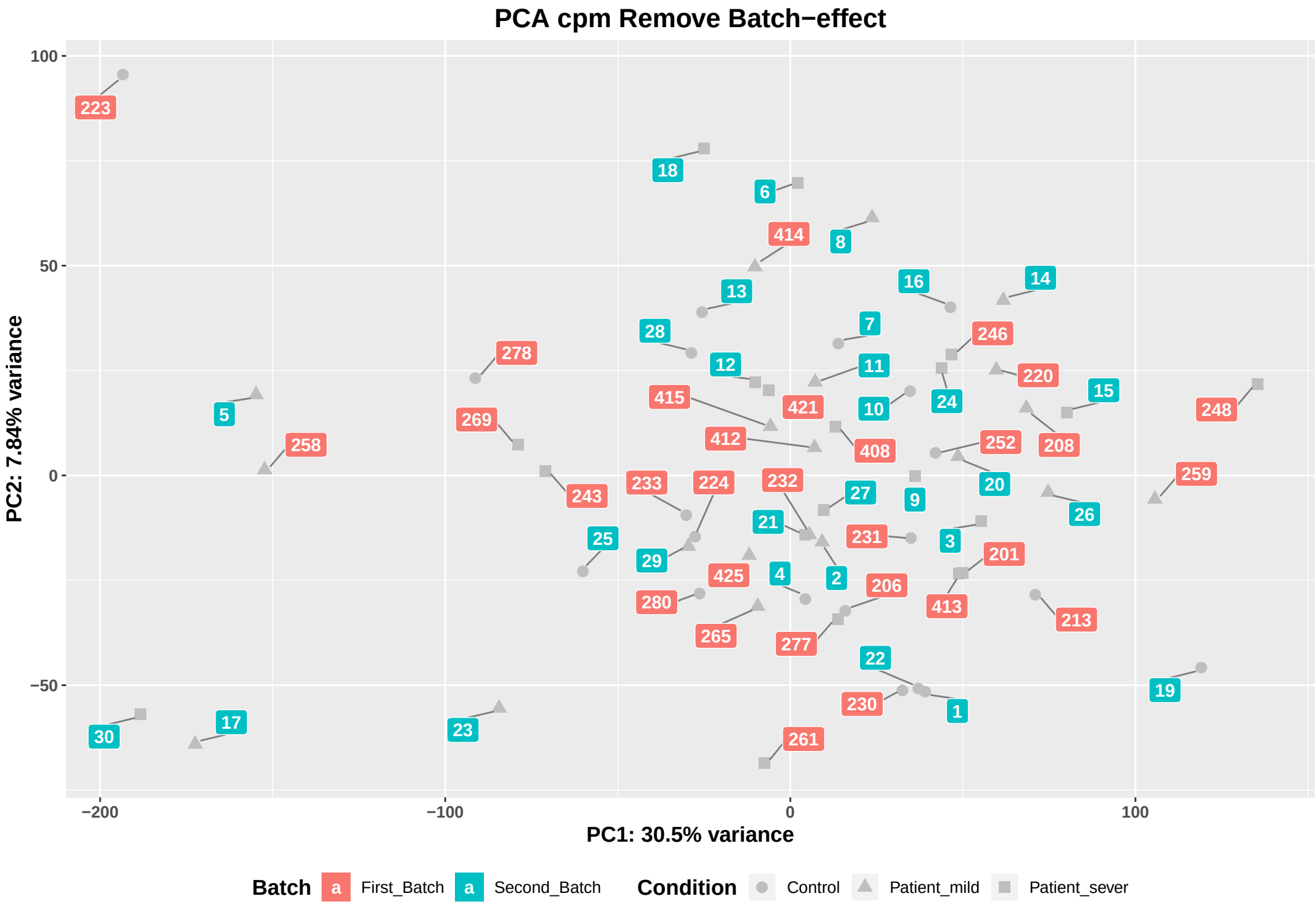
PCA cpm Remove Batch−effect
PC2: 7.84% variance
PC1: 30.5% variance
100
50
0
−50
−200
−100
0
100
223
18
6
414
8
13
16
14
28
7
246
278
12
11
220
15
415
421
10
24
248
5
269
412
408
252
208
258
243
233
224
232
27
9
20
259
26
21
231
3
25
29
201
425
4
2
206
280
413
213
265
277
22
19
230
1
30
17
23
261
Batch
a
First_Batch
a
Second_Batch
Condition
Control
Patient_mild
Patient_sever