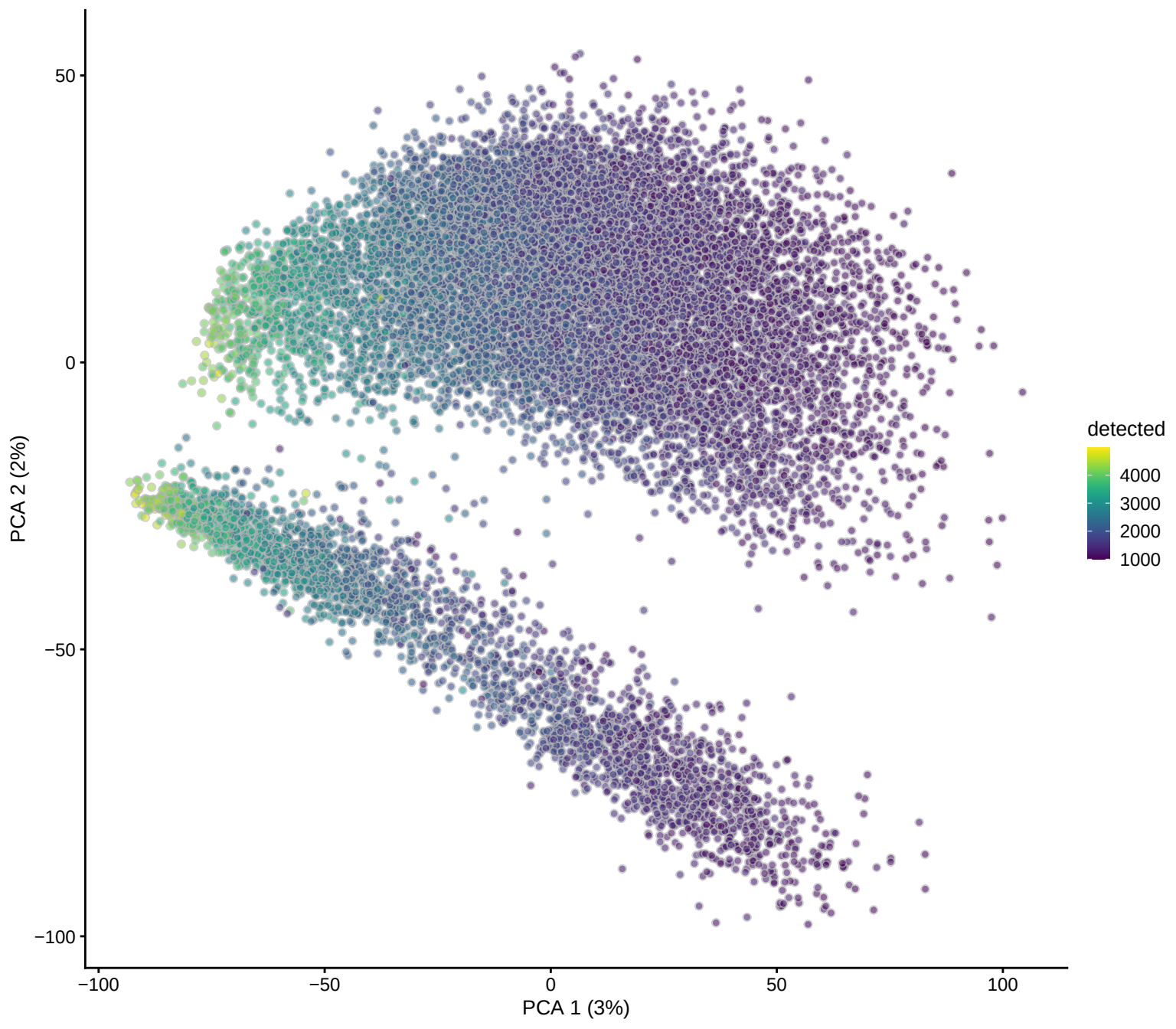
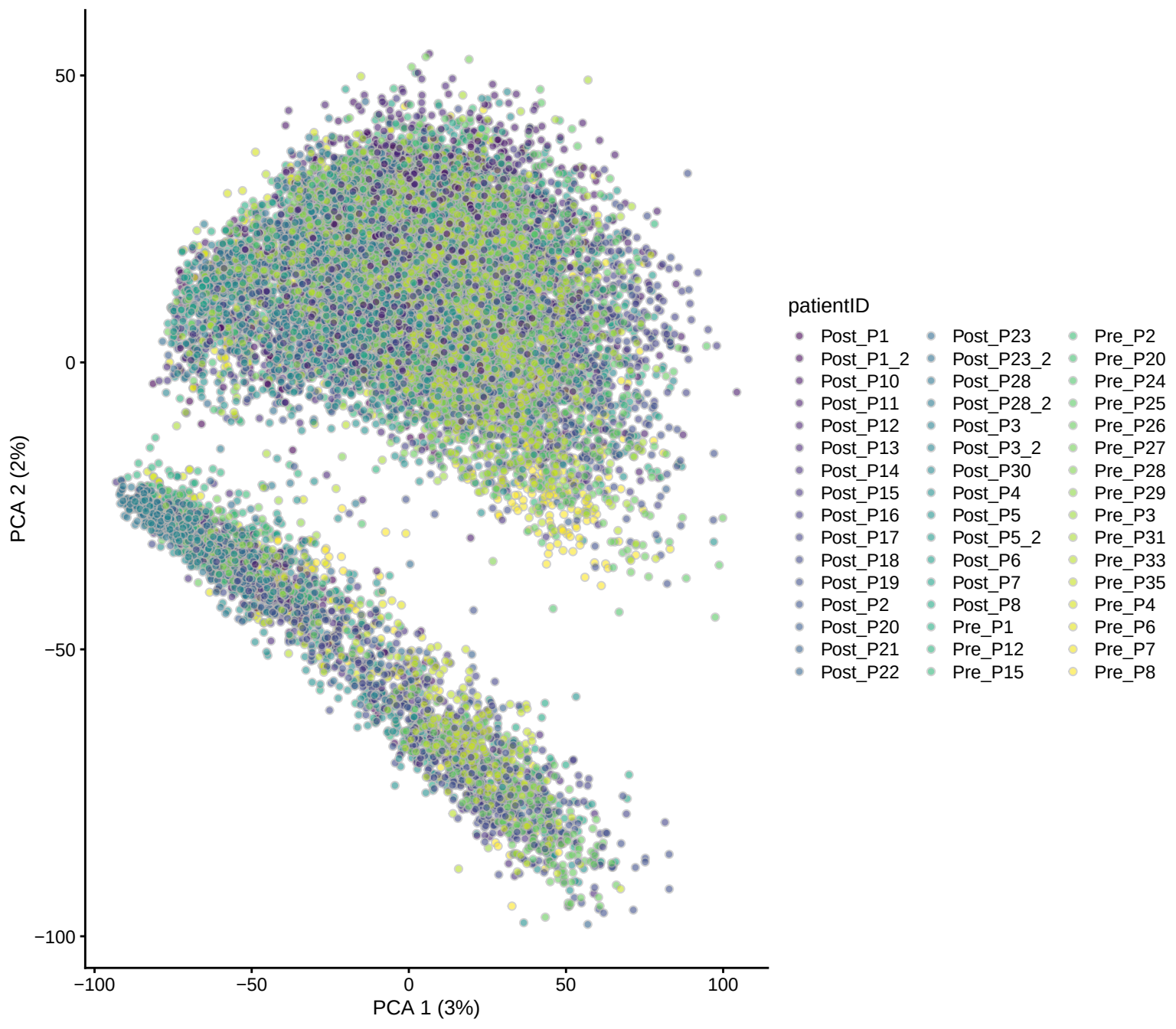
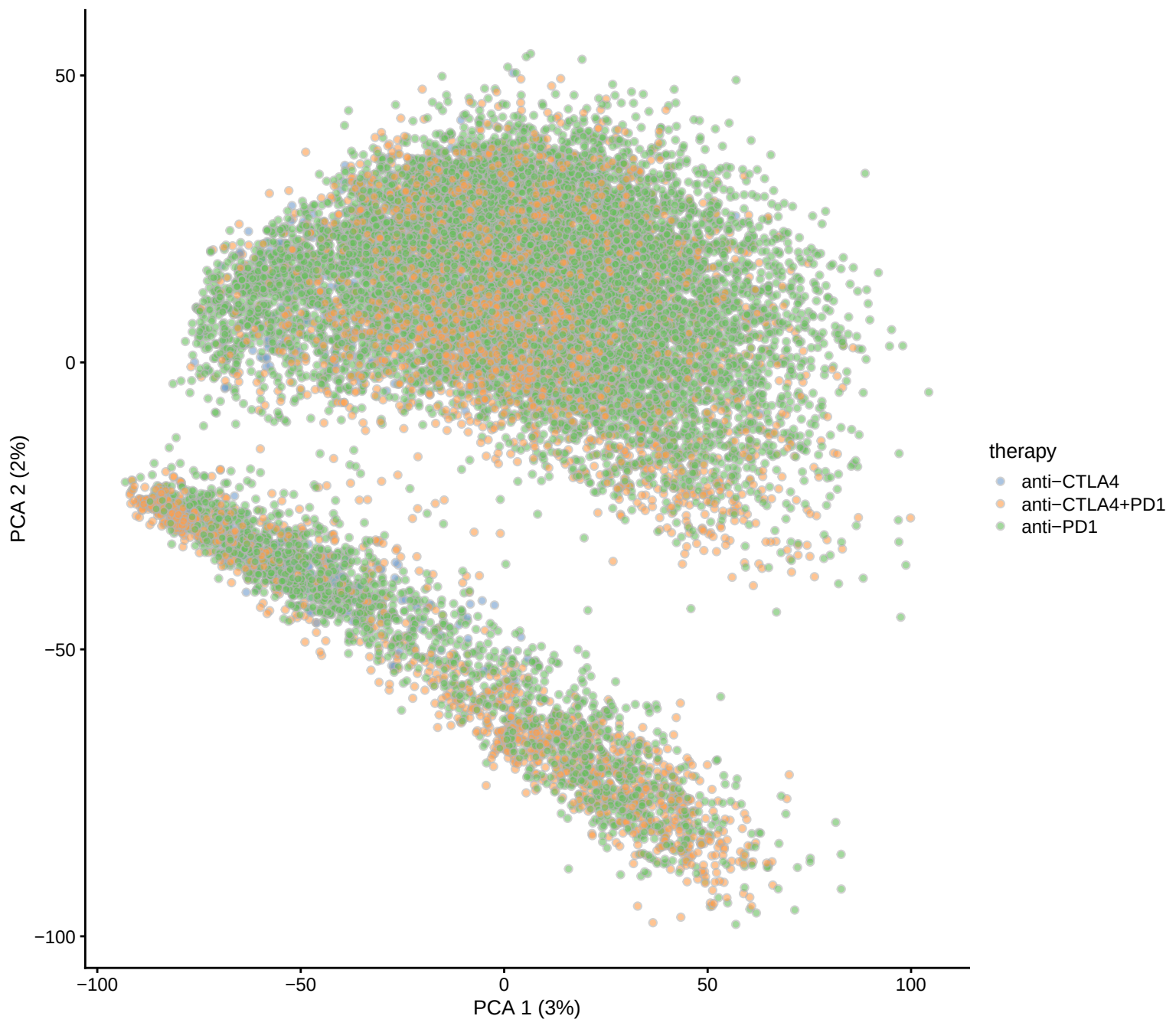
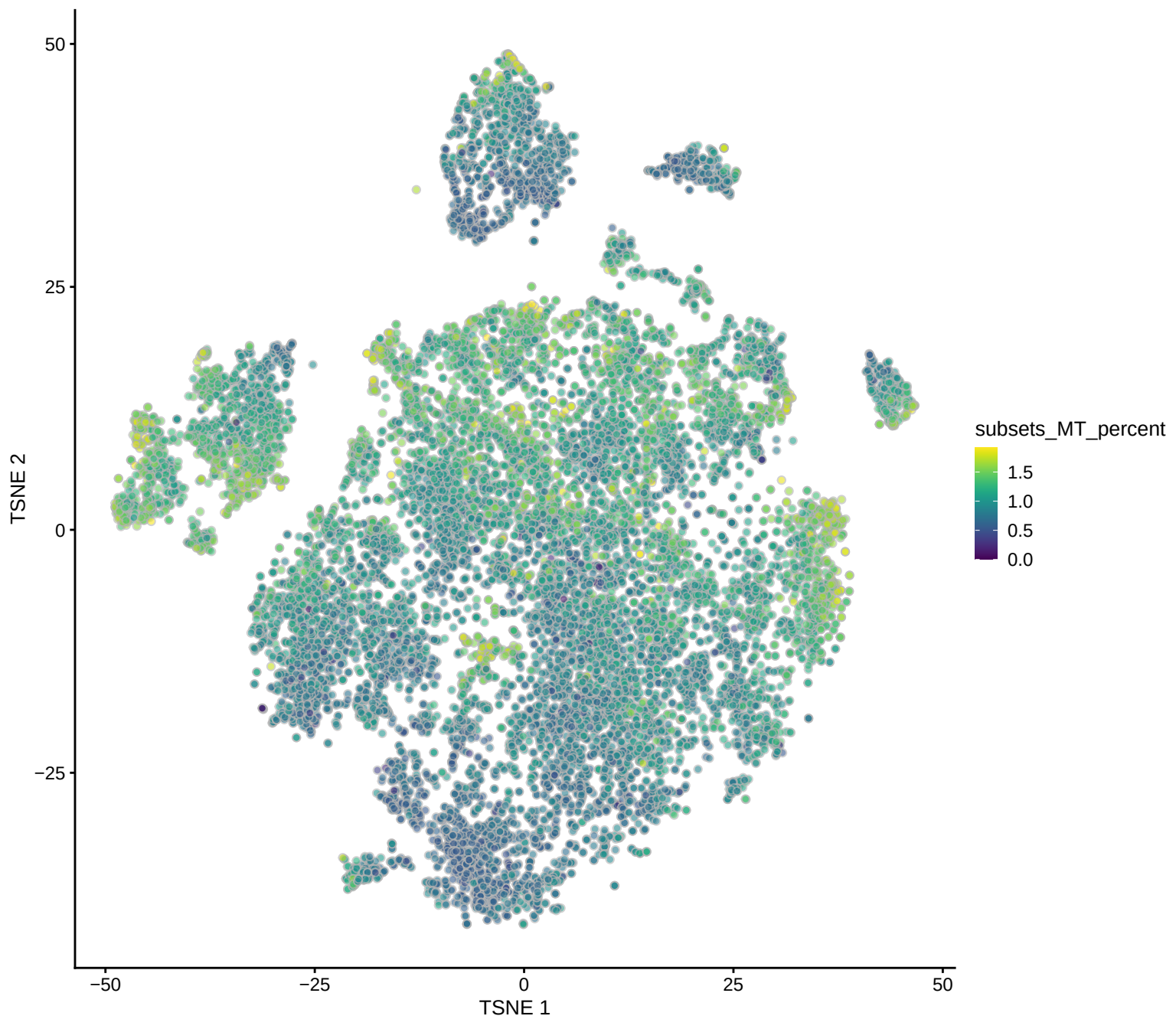
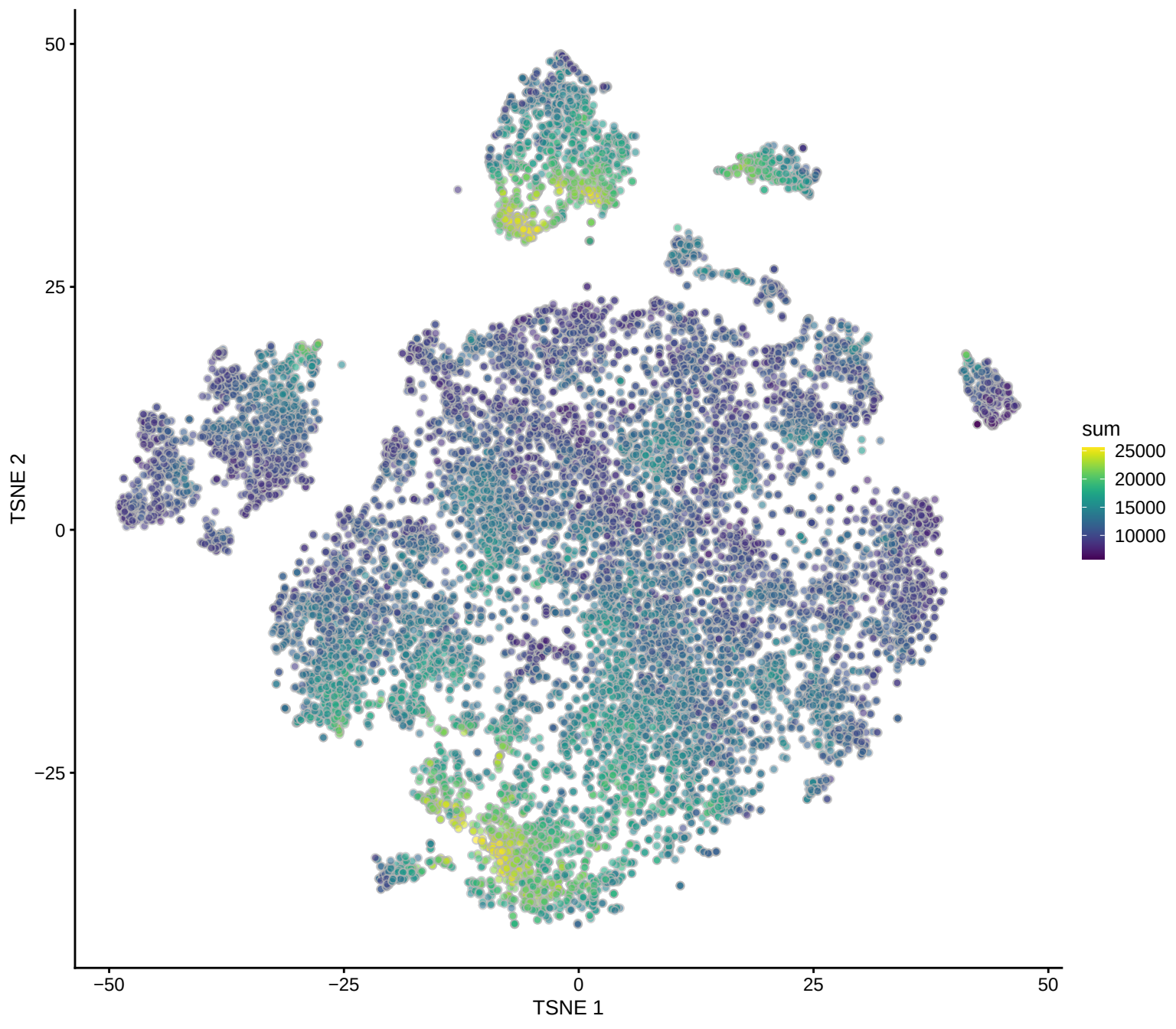
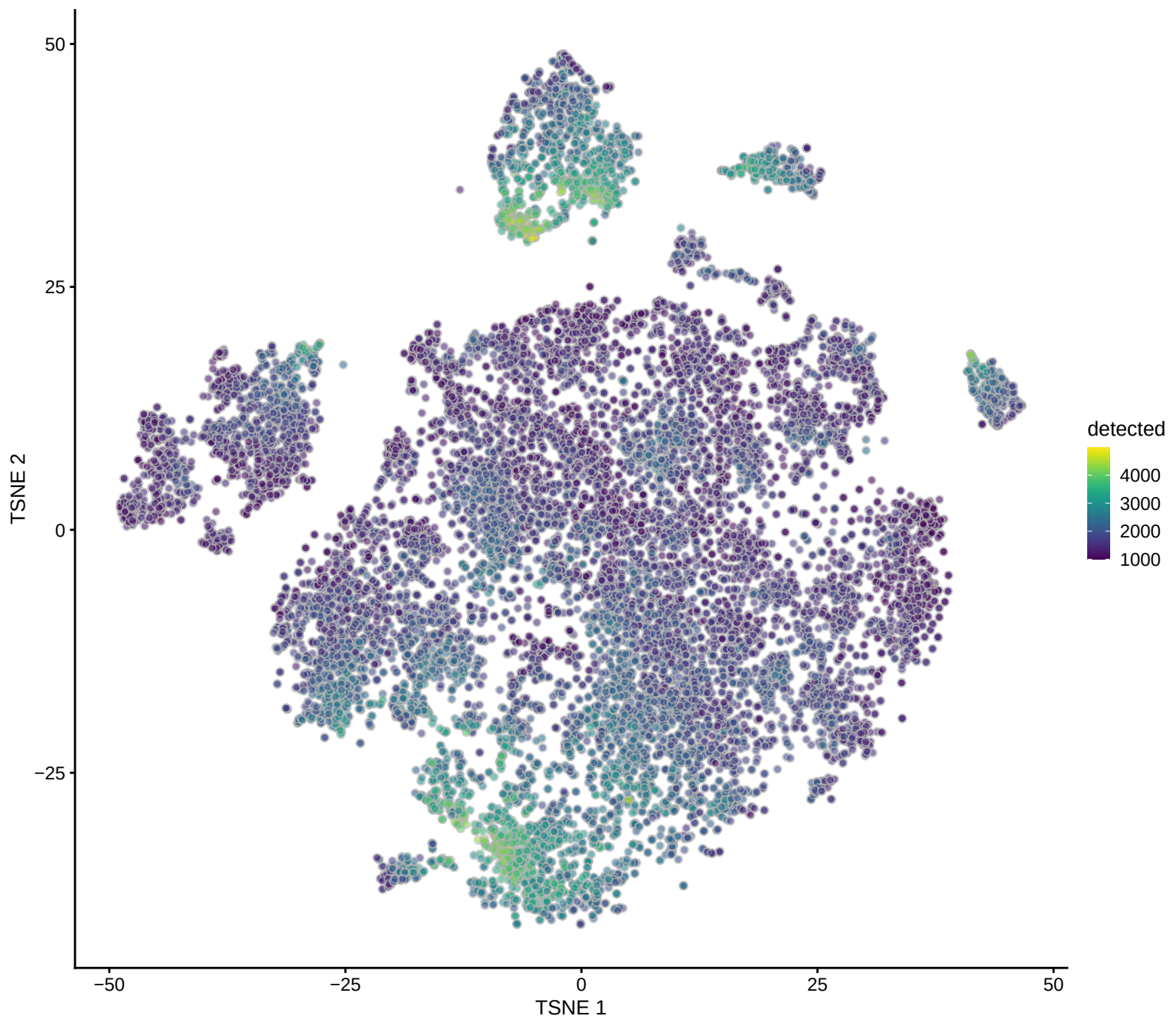

50
0
−50
−100
PCA 2 (2%)
−100
−50
0
50
100
PCA 1 (3%)
detected
4000
3000
2000
1000

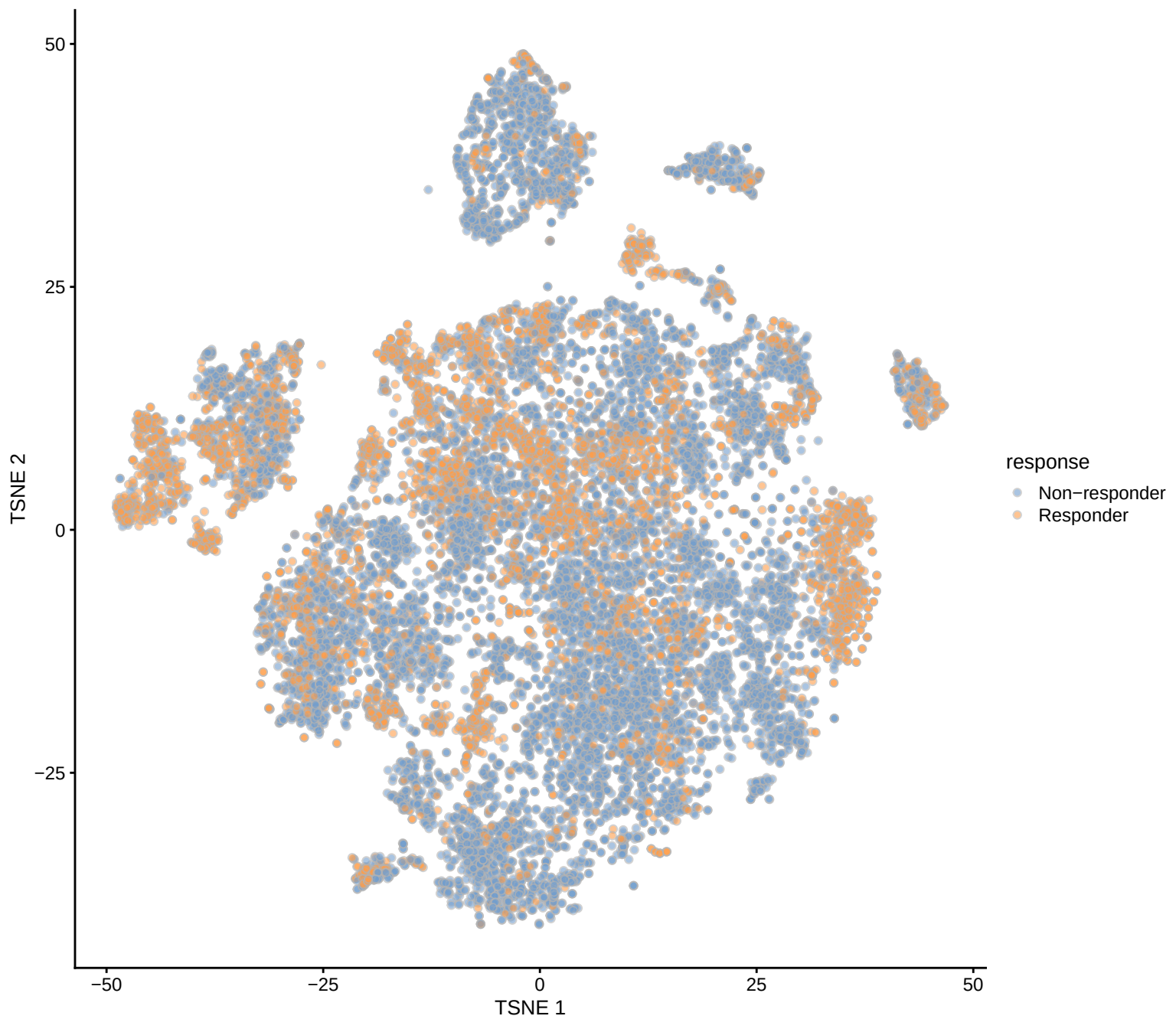

PCA 2 (2%)
PCA 1 (3%)
50
0
−50
−100
−100
−50
0
50
100
patientID
Post_P1
Post_P1_2
Post_P10
Post_P11
Post_P12
Post_P13
Post_P14
Post_P15
Post_P16
Post_P17
Post_P18
Post_P19
Post_P2
Post_P20
Post_P21
Post_P22
Post_P23
Post_P23_2
Post_P28
Post_P28_2
Post_P3
Post_P3_2
Post_P30
Post_P4
Post_P5
Post_P5_2
Post_P6
Post_P7
Post_P8
Pre_P1
Pre_P12
Pre_P15
Pre_P2
Pre_P20
Pre_P24
Pre_P25
Pre_P26
Pre_P27
Pre_P28
Pre_P29
Pre_P3
Pre_P31
Pre_P33
Pre_P35
Pre_P4
Pre_P6
Pre_P7
Pre_P8

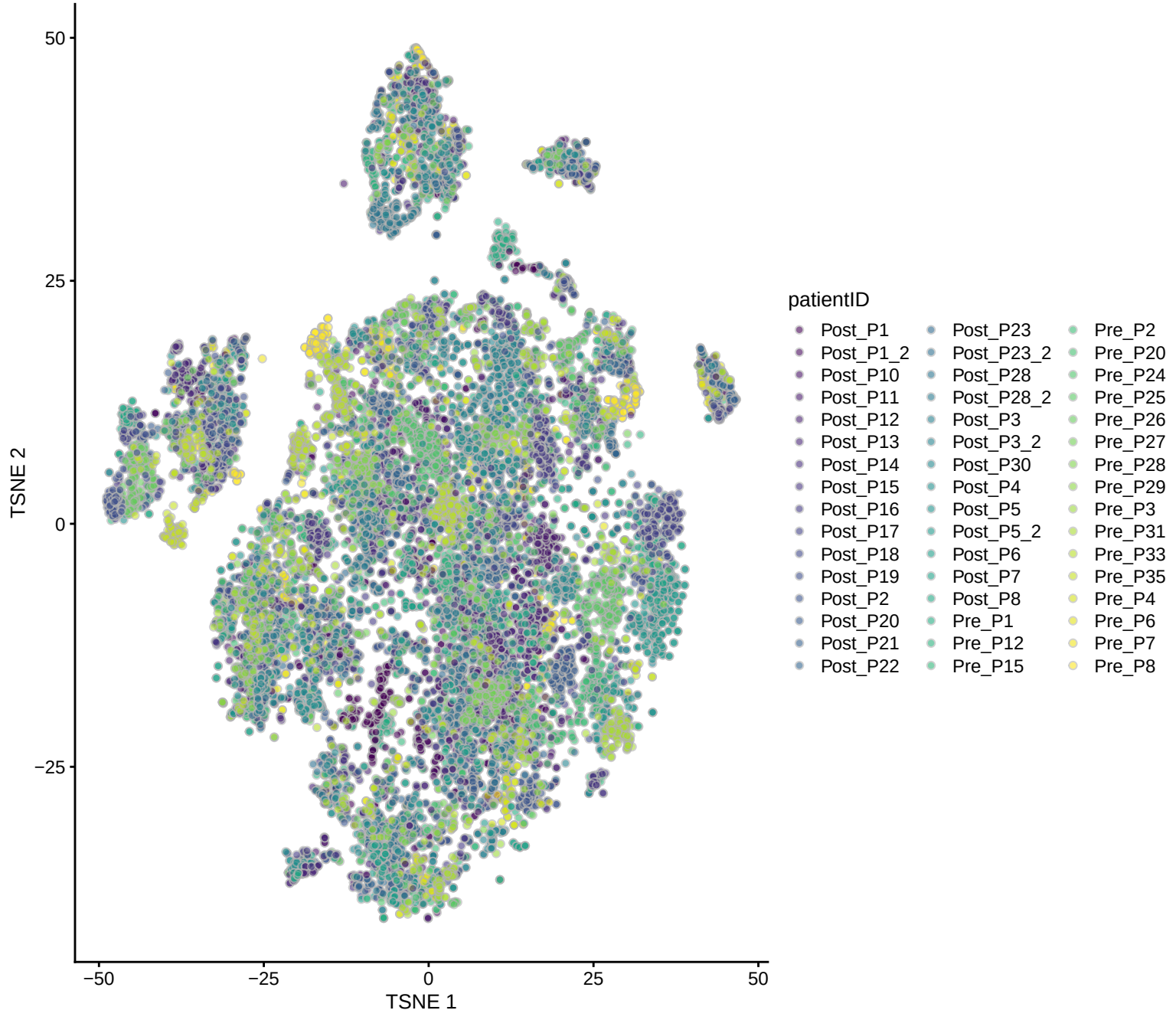

50
0
−50
−100
PCA 2 (2%)
−100
−50
0
50
100
PCA 1 (3%)
therapy
anti−CTLA4
anti−CTLA4+PD1
anti−PD1

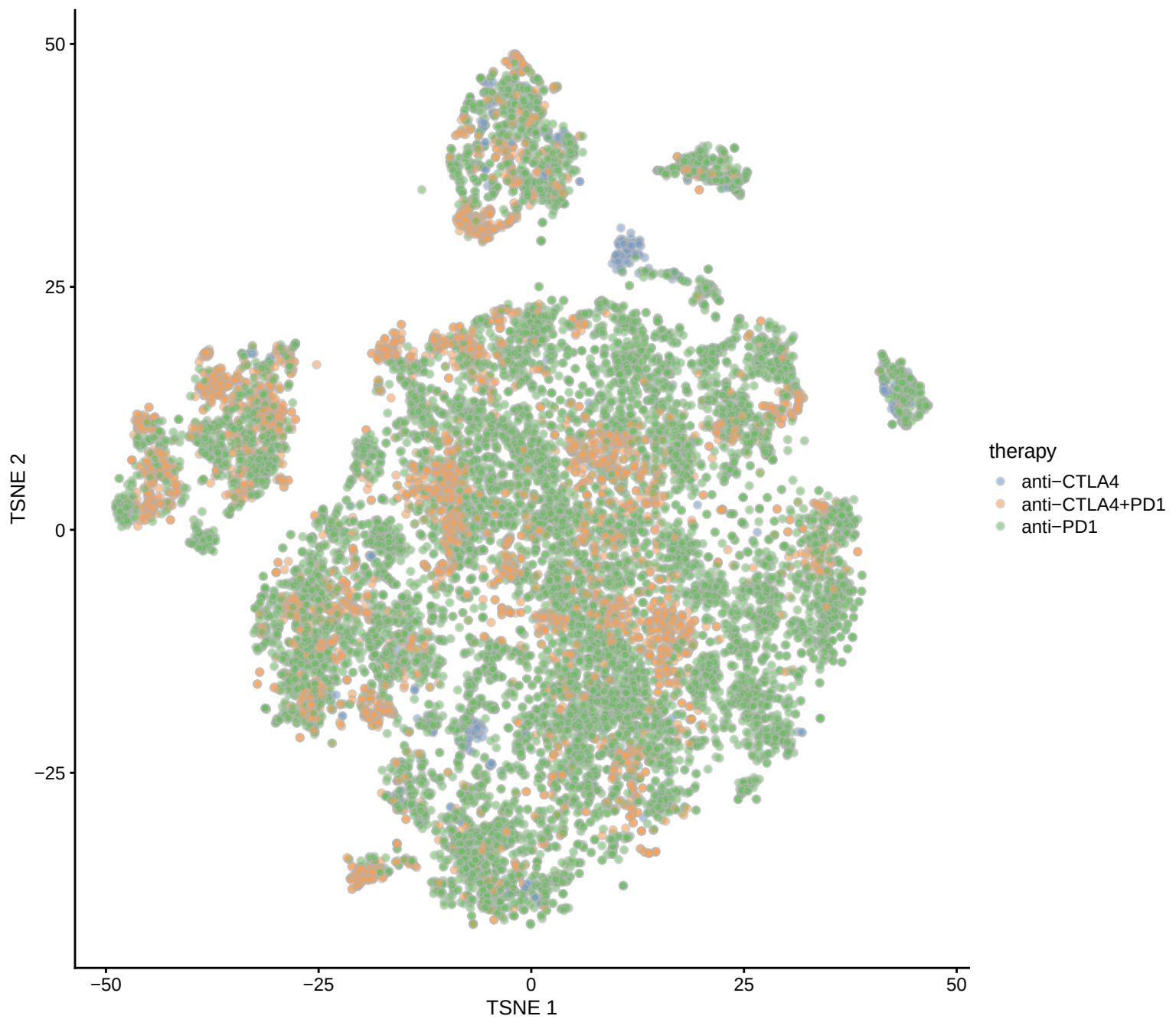

50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
subsets_MT_percent
1.5
1.0
0.5
0.0

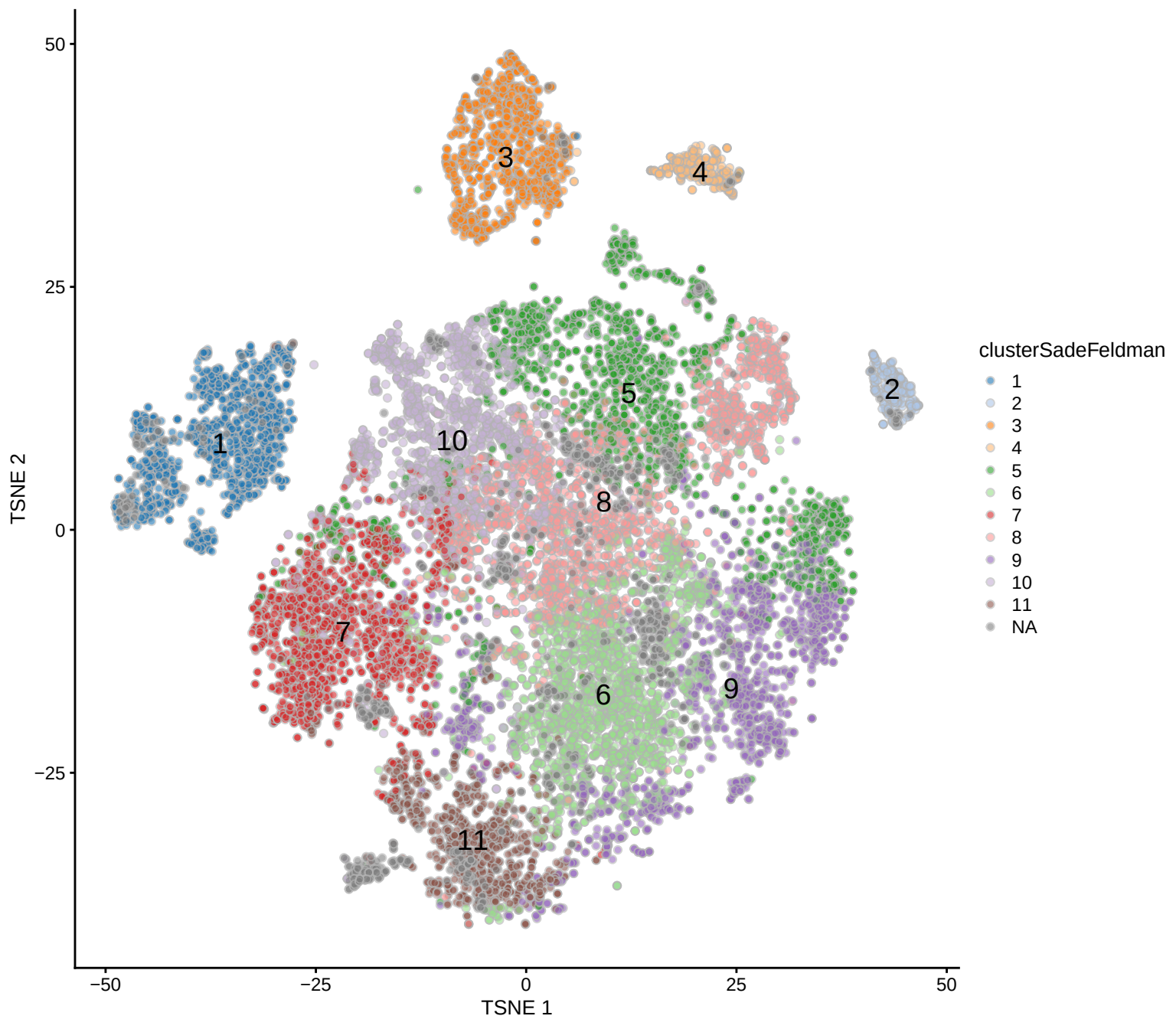

50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
sum
25000
20000
15000
10000

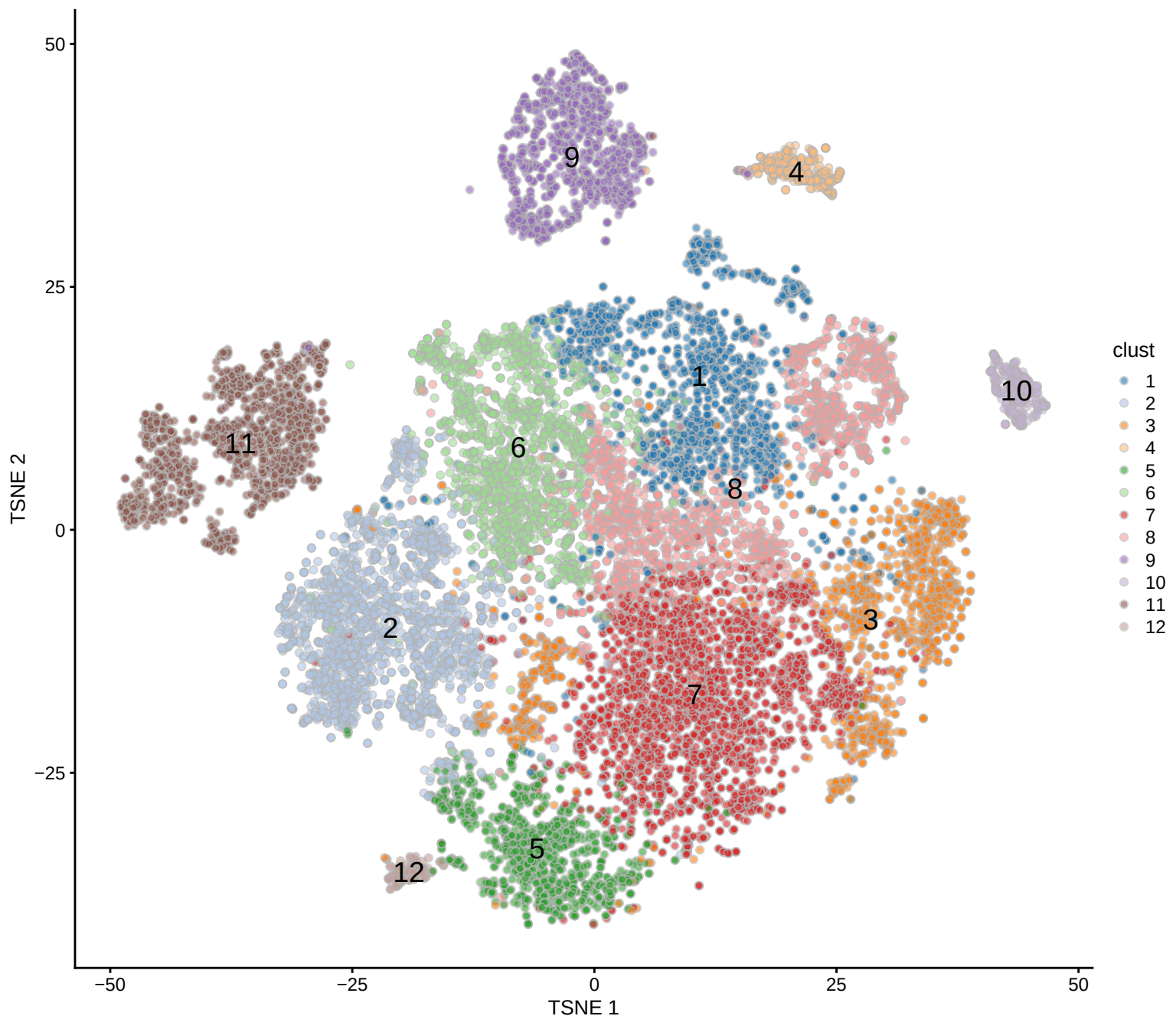

50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
detected
4000
3000
2000
1000


50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
response
Non−responder
Responder


50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
patientID
Post_P1
Post_P1_2
Post_P10
Post_P11
Post_P12
Post_P13
Post_P14
Post_P15
Post_P16
Post_P17
Post_P18
Post_P19
Post_P2
Post_P20
Post_P21
Post_P22
Post_P23
Post_P23_2
Post_P28
Post_P28_2
Post_P3
Post_P3_2
Post_P30
Post_P4
Post_P5
Post_P5_2
Post_P6
Post_P7
Post_P8
Pre_P1
Pre_P12
Pre_P15
Pre_P2
Pre_P20
Pre_P24
Pre_P25
Pre_P26
Pre_P27
Pre_P28
Pre_P29
Pre_P3
Pre_P31
Pre_P33
Pre_P35
Pre_P4
Pre_P6
Pre_P7
Pre_P8


50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
therapy
anti−CTLA4
anti−CTLA4+PD1
anti−PD1


50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
1
2
3
4
5
6
7
8
9
10
11
clusterSadeFeldman
1
2
3
4
5
6
7
8
9
10
11
NA


50
25
0
−25
TSNE 2
−50
−25
0
25
50
TSNE 1
9
4
1
10
11
6
8
2
3
7
5
12
clust
1
2
3
4
5
6
7
8
9
10
11
12