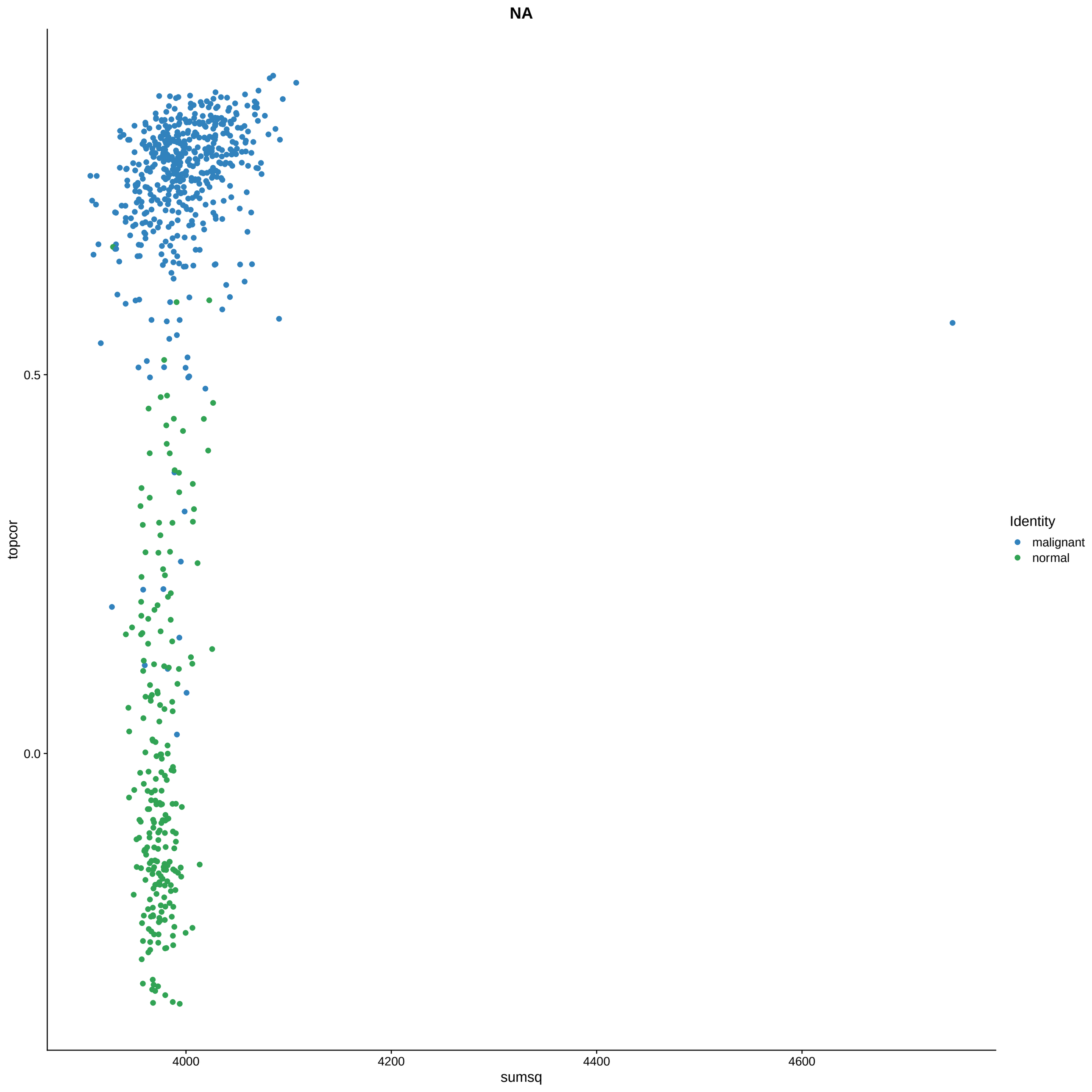

NA
topcor
0.5
0.0
4000
4200
4400
4600
sumsq
Identity
malignant
normal

NA

0.5

0.0

topcor

4000

4200

4400

4600

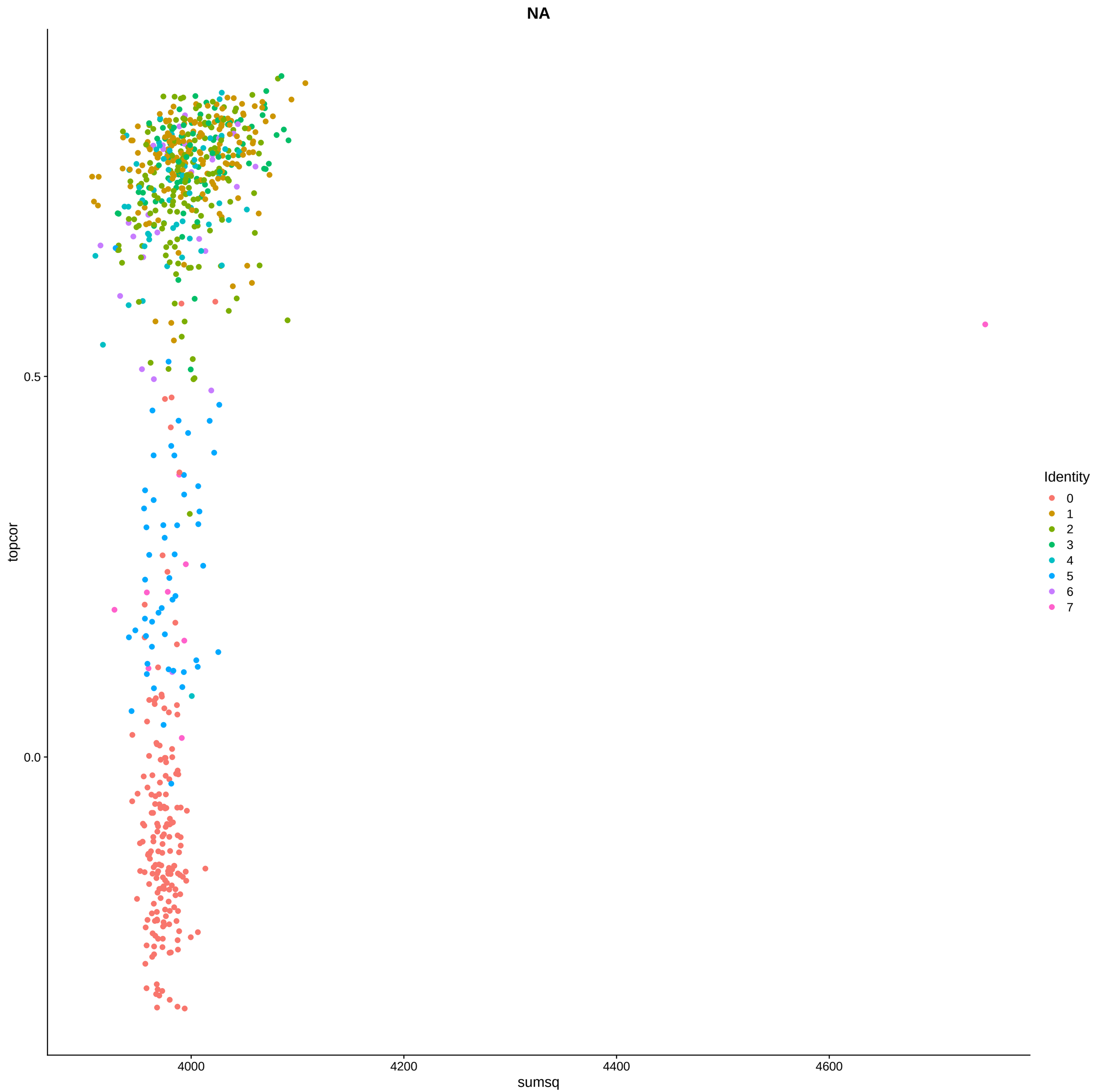
sumsq

Identity

0

1

2


NA
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topcor
4000
4200
4400
4600
sumsq
Identity
0
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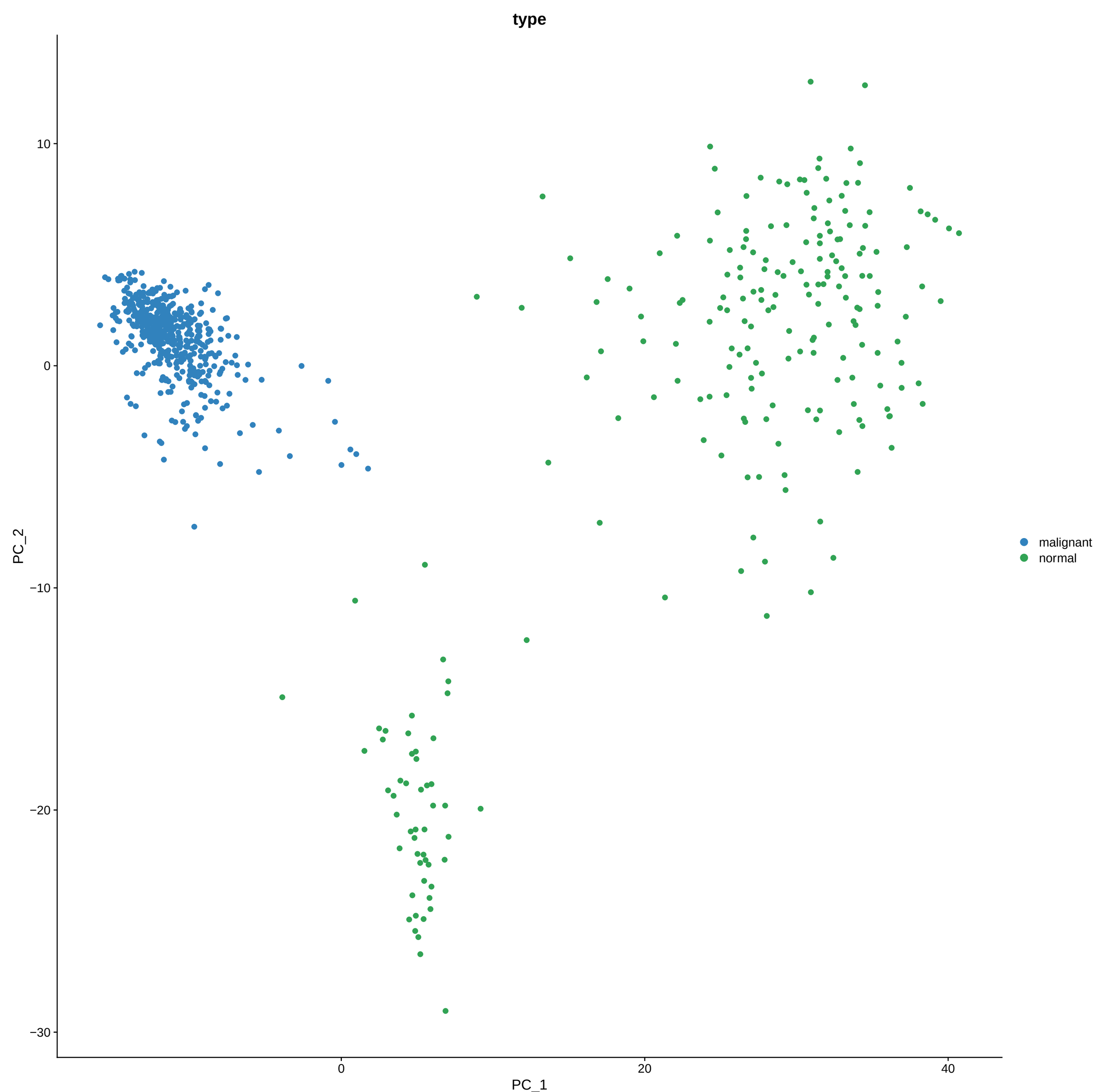
3
4
5
6
7


type
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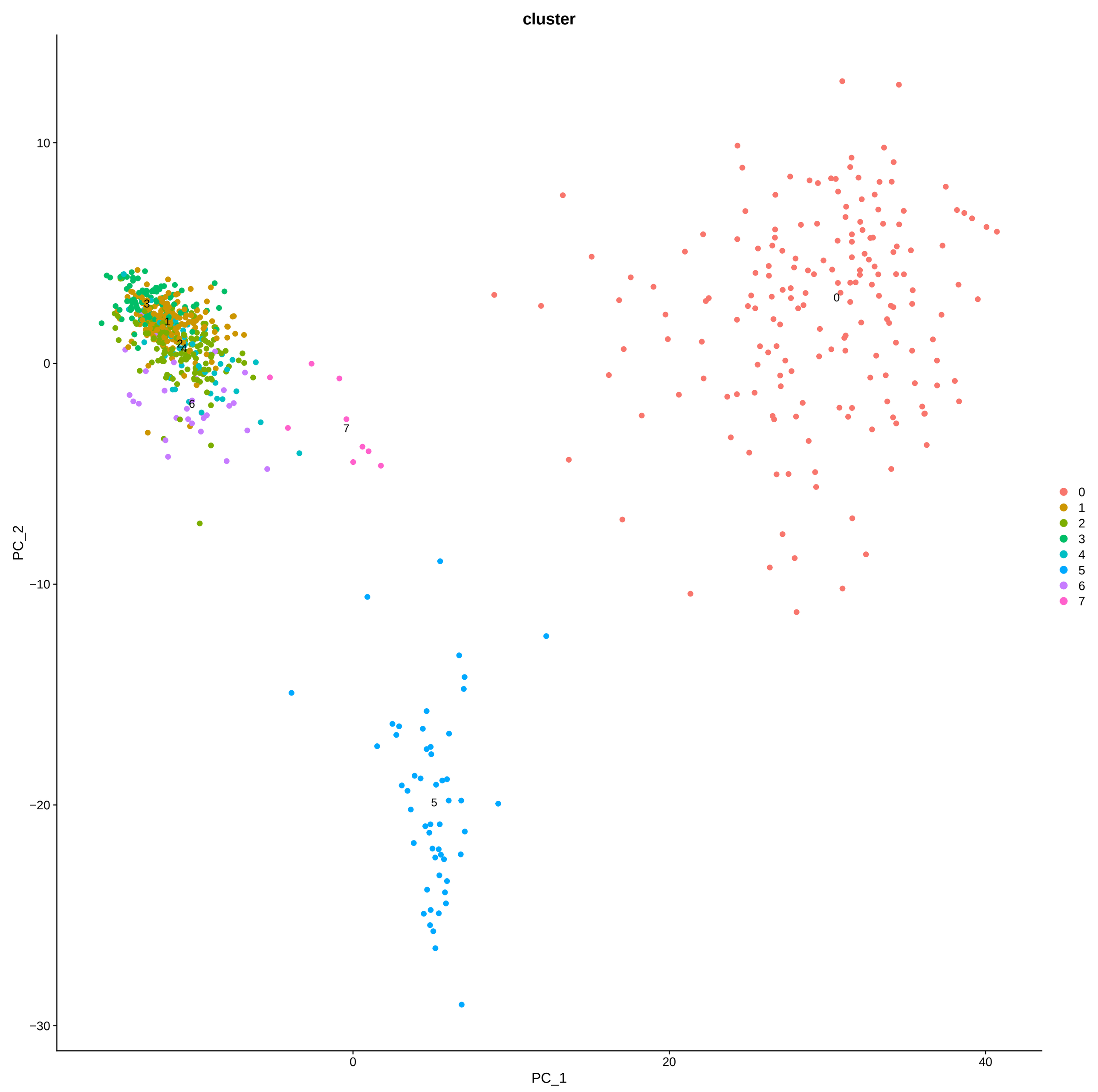
−20
−30
PC_2
0
20
40
PC_1
malignant
normal


cluster
10
0
−10
−20
−30
PC_2
0
20
40
PC_1
0
1
2
3
4
5
6
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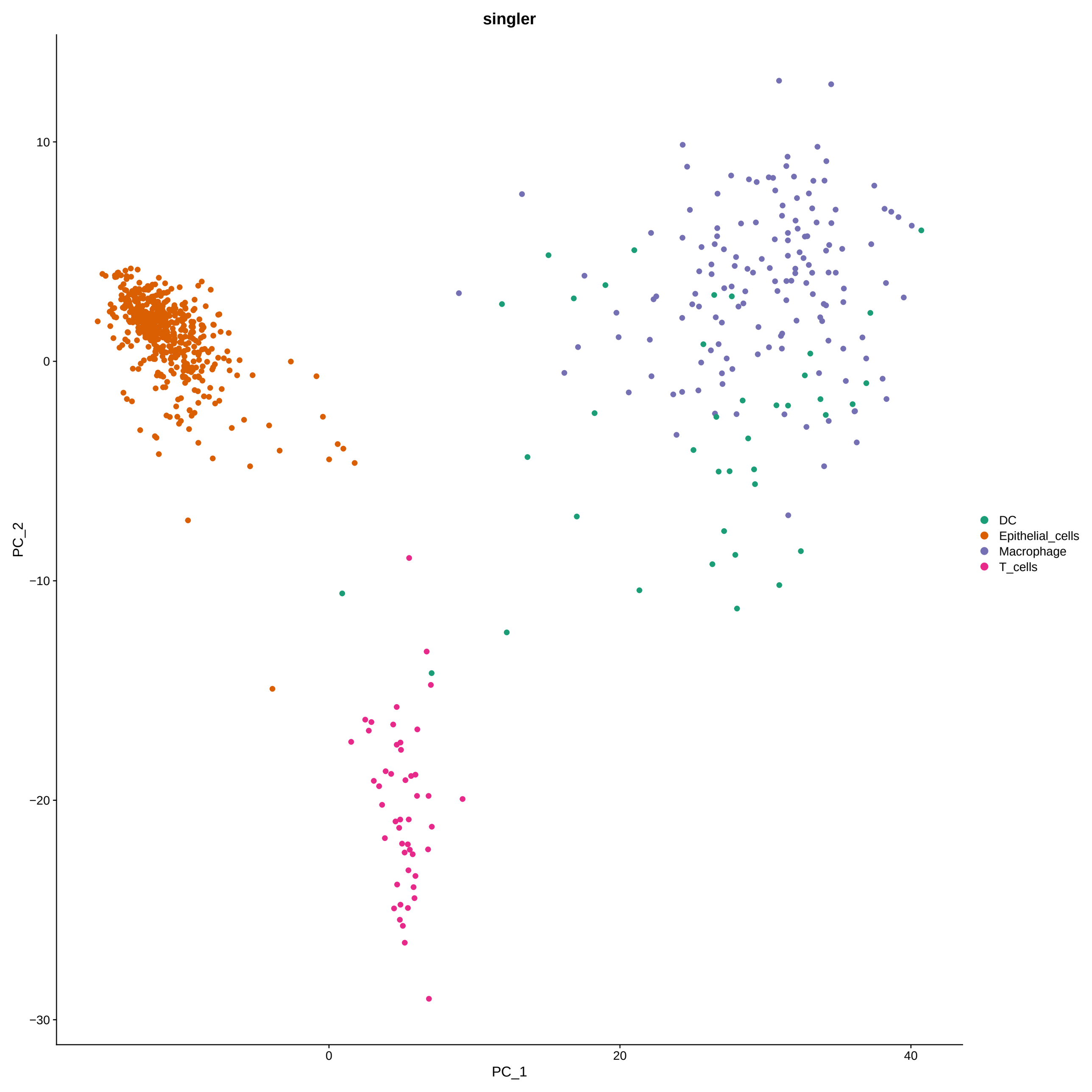
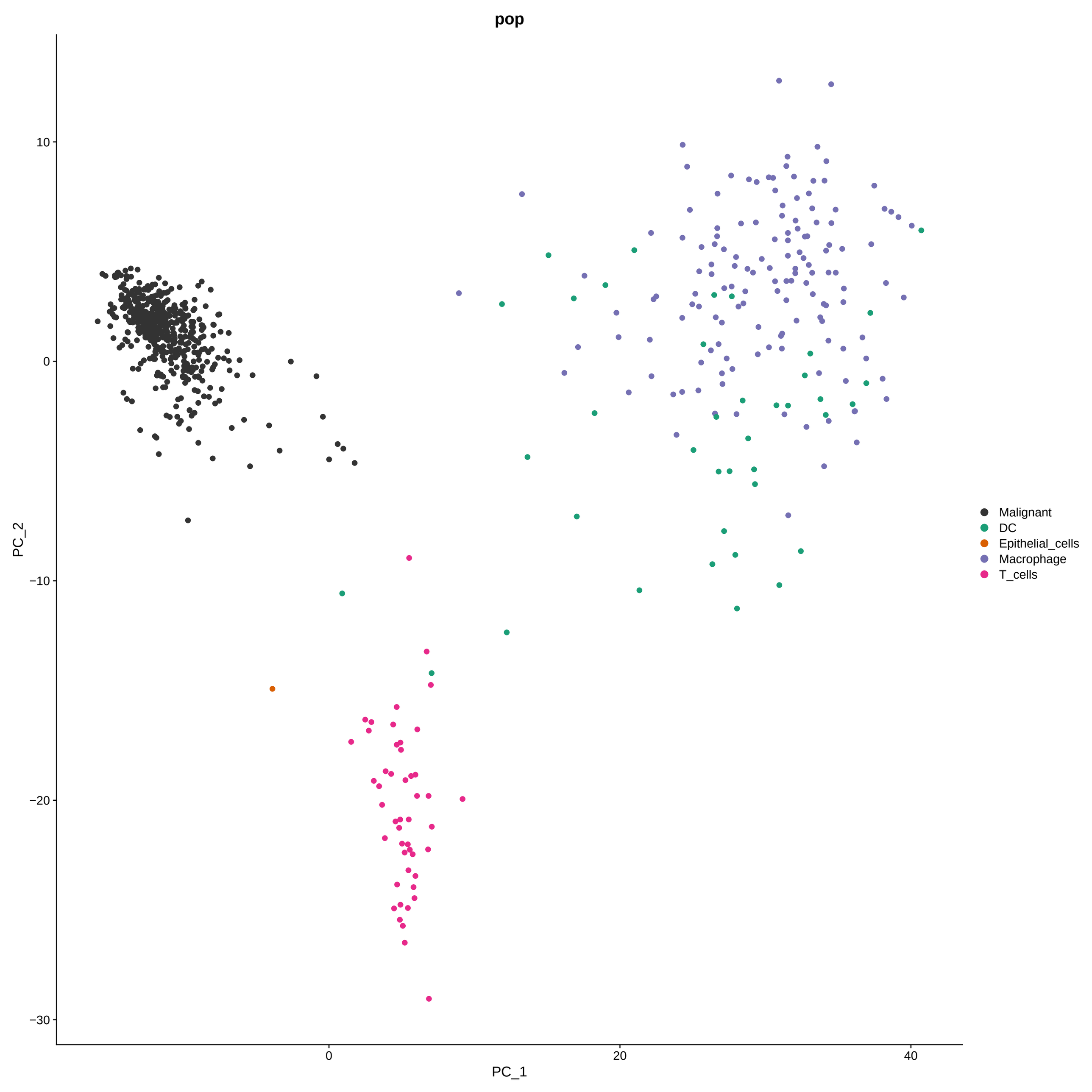
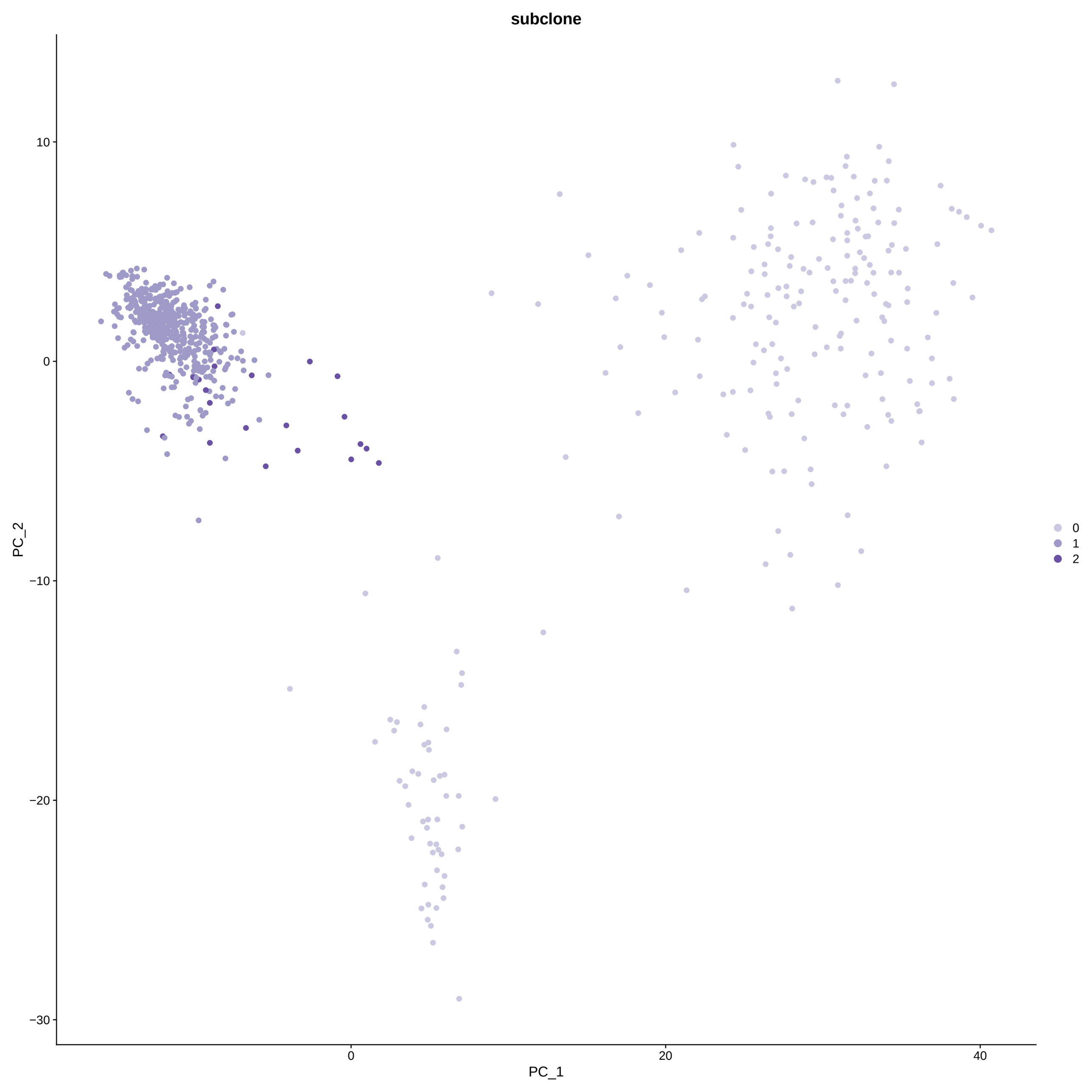
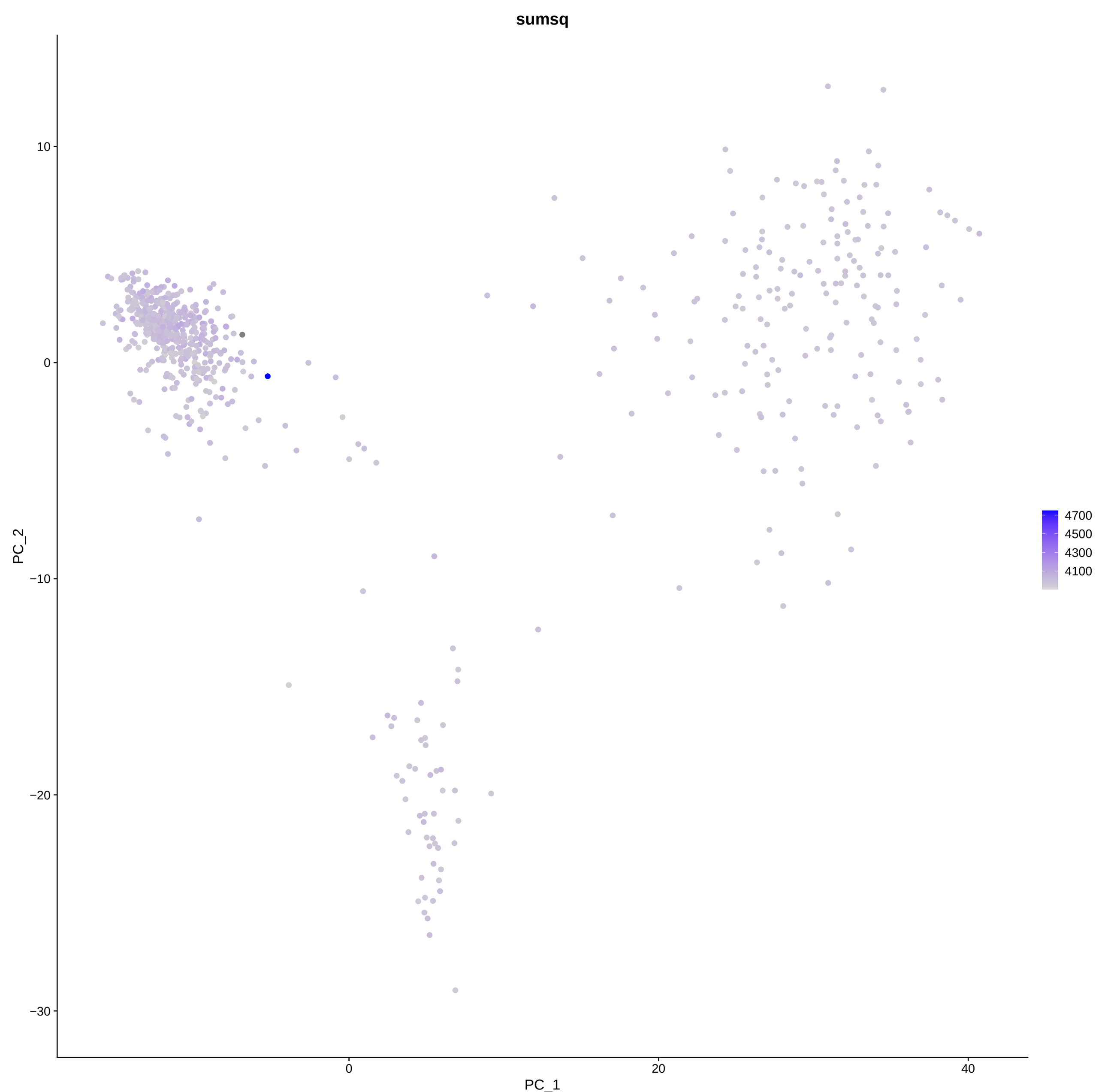
0
1
2
3
4
5
6
7


singler
10
0
−10
−20
−30
PC_2
0
20
40
PC_1
DC
Epithelial_cells
Macrophage
T_cells


pop
10
0
−10
−20
−30
PC_2
0
20
40
PC_1
Malignant
DC
Epithelial_cells
Macrophage
T_cells


subclone
10
0
−10
−20
−30
PC_2
0
20
40
PC_1
0
1
2


sumsq
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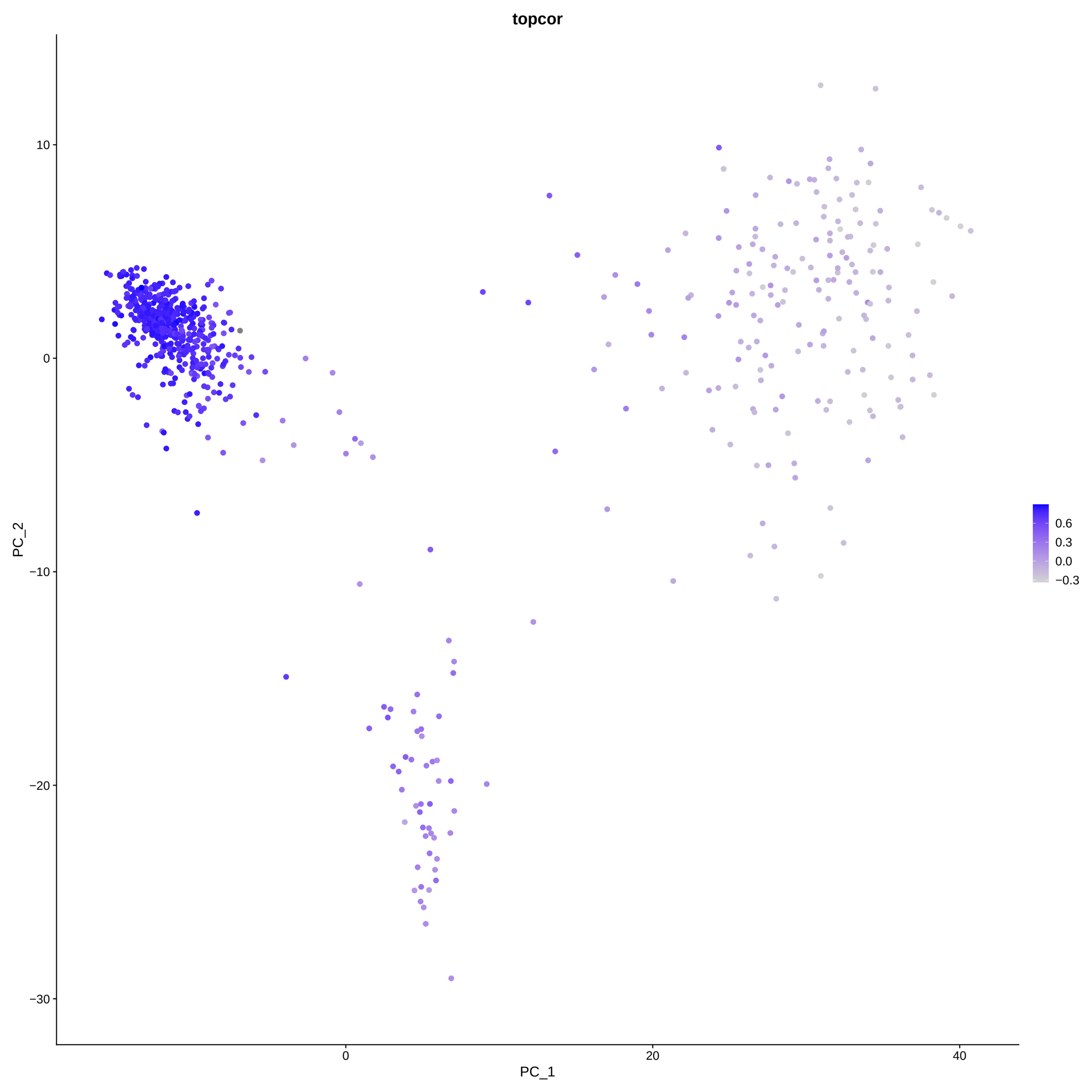
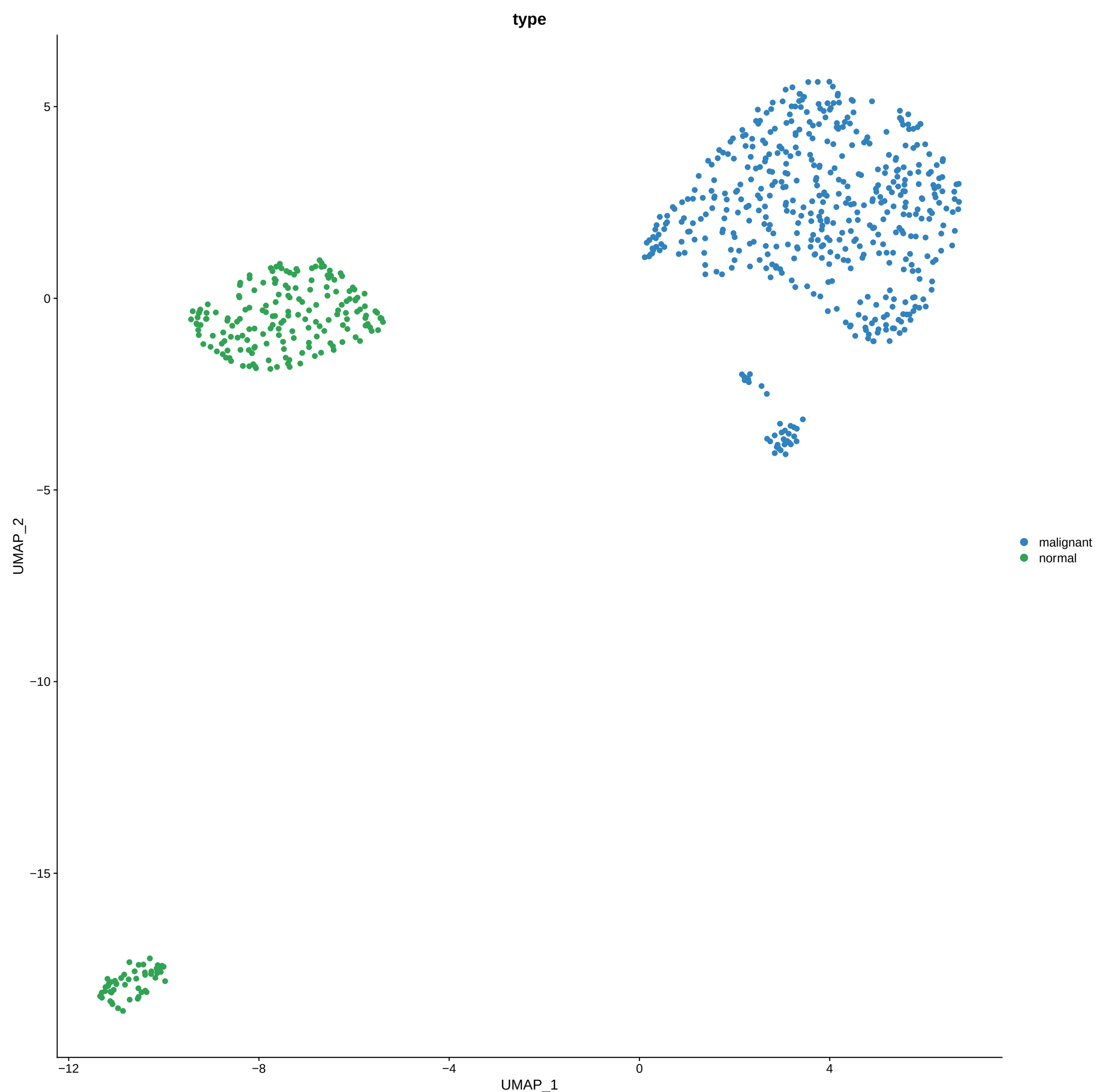
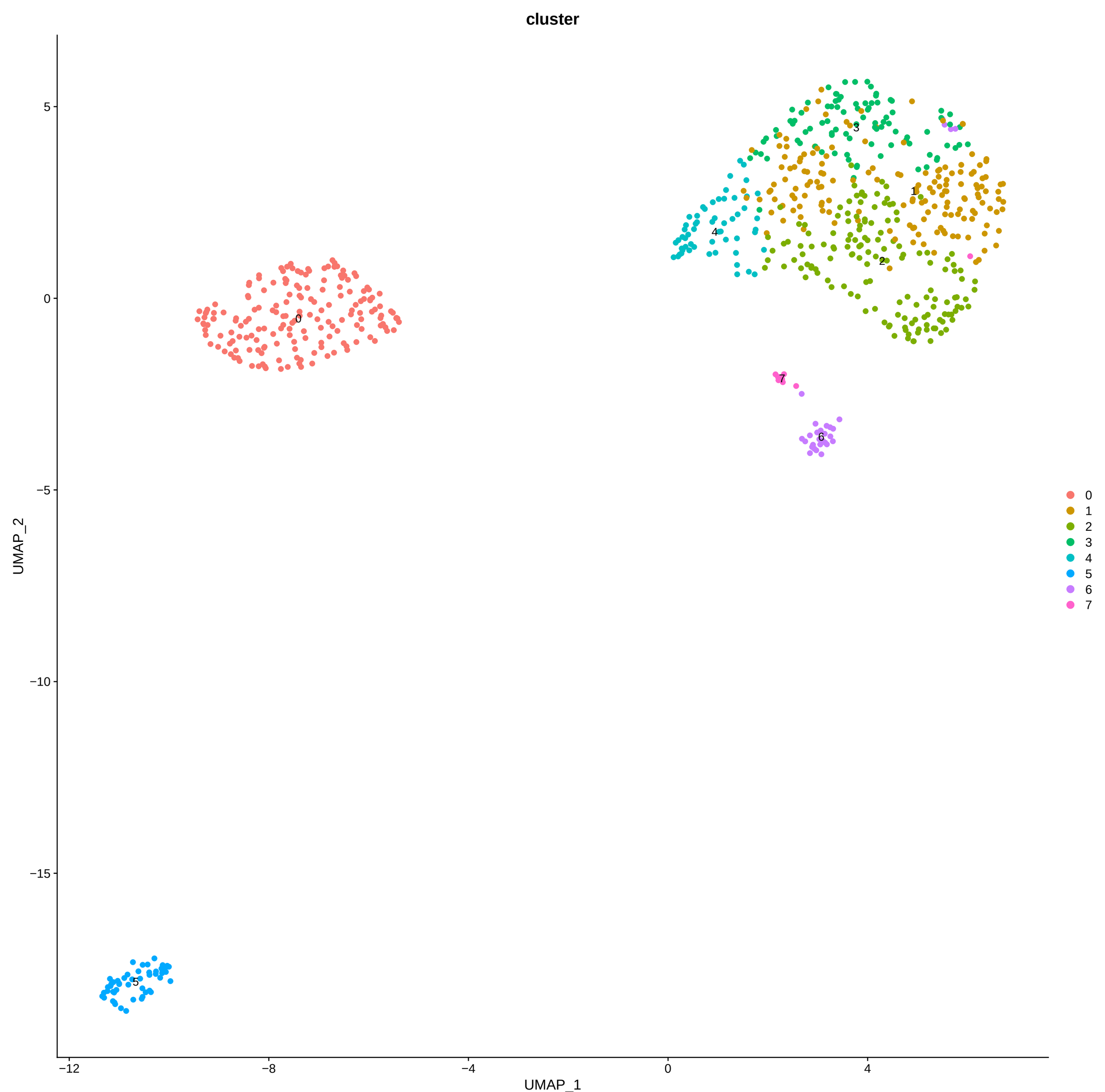
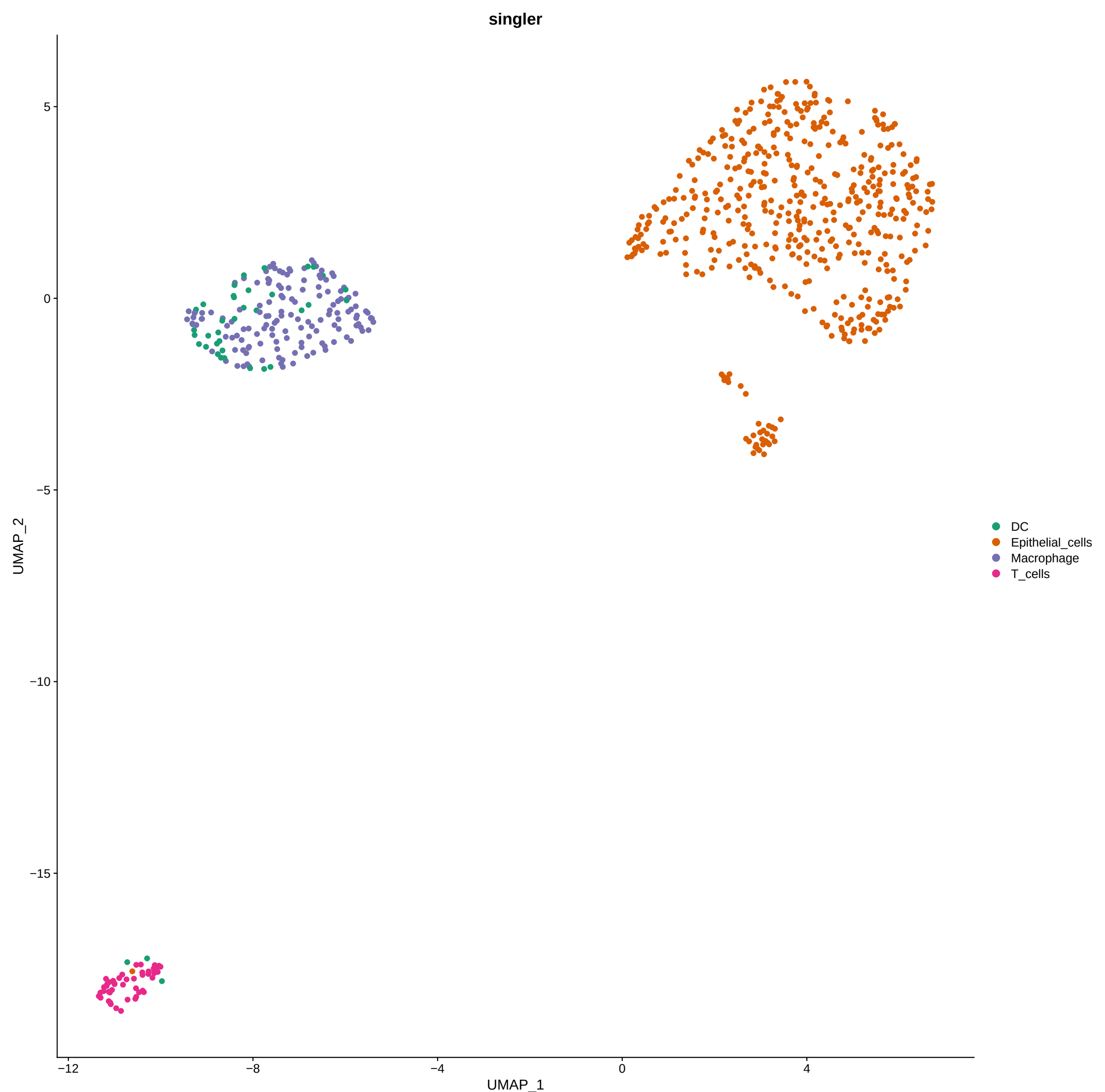
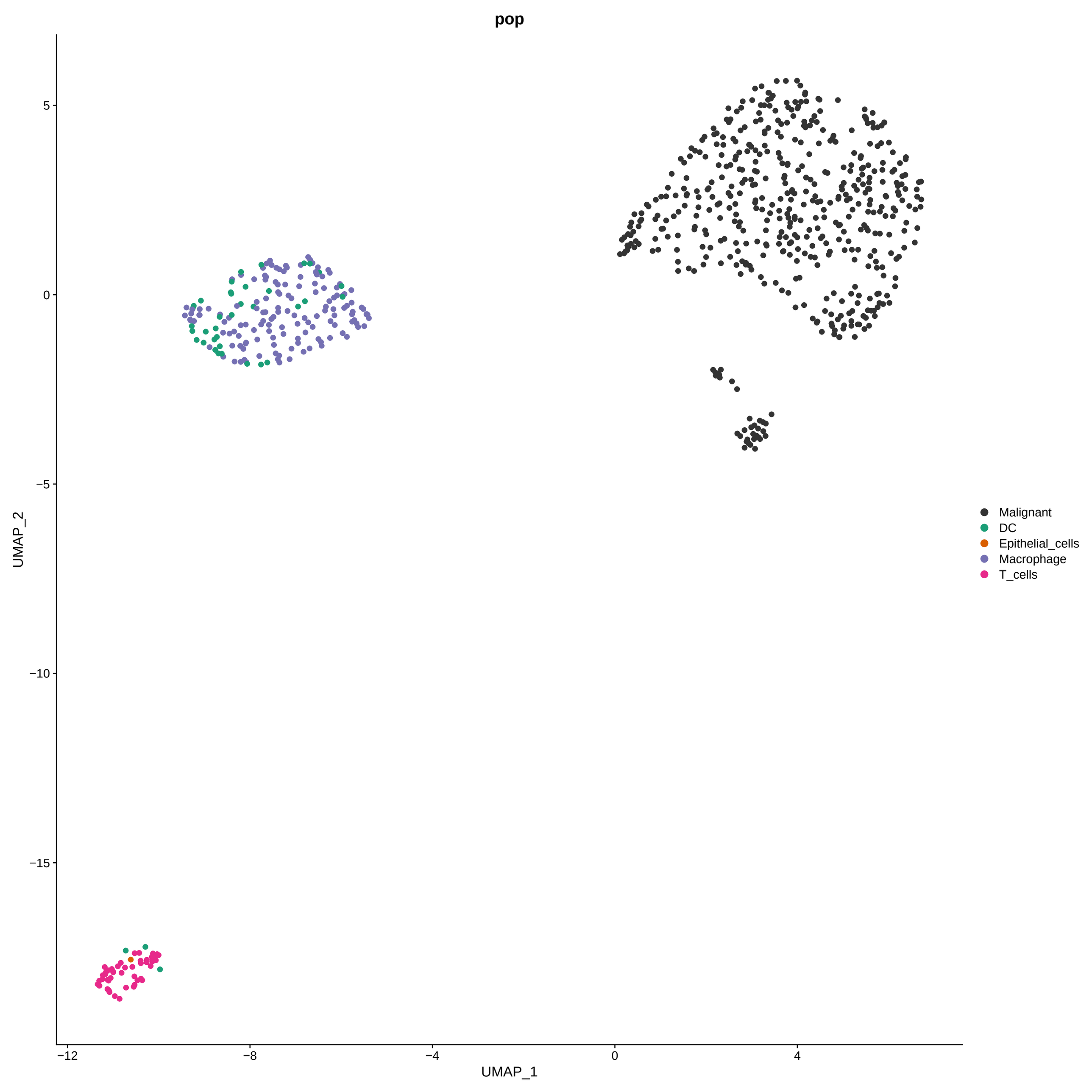
0
−10
−20
−30
PC_2
0
20
40
PC_1
4700
4500
4300
4100

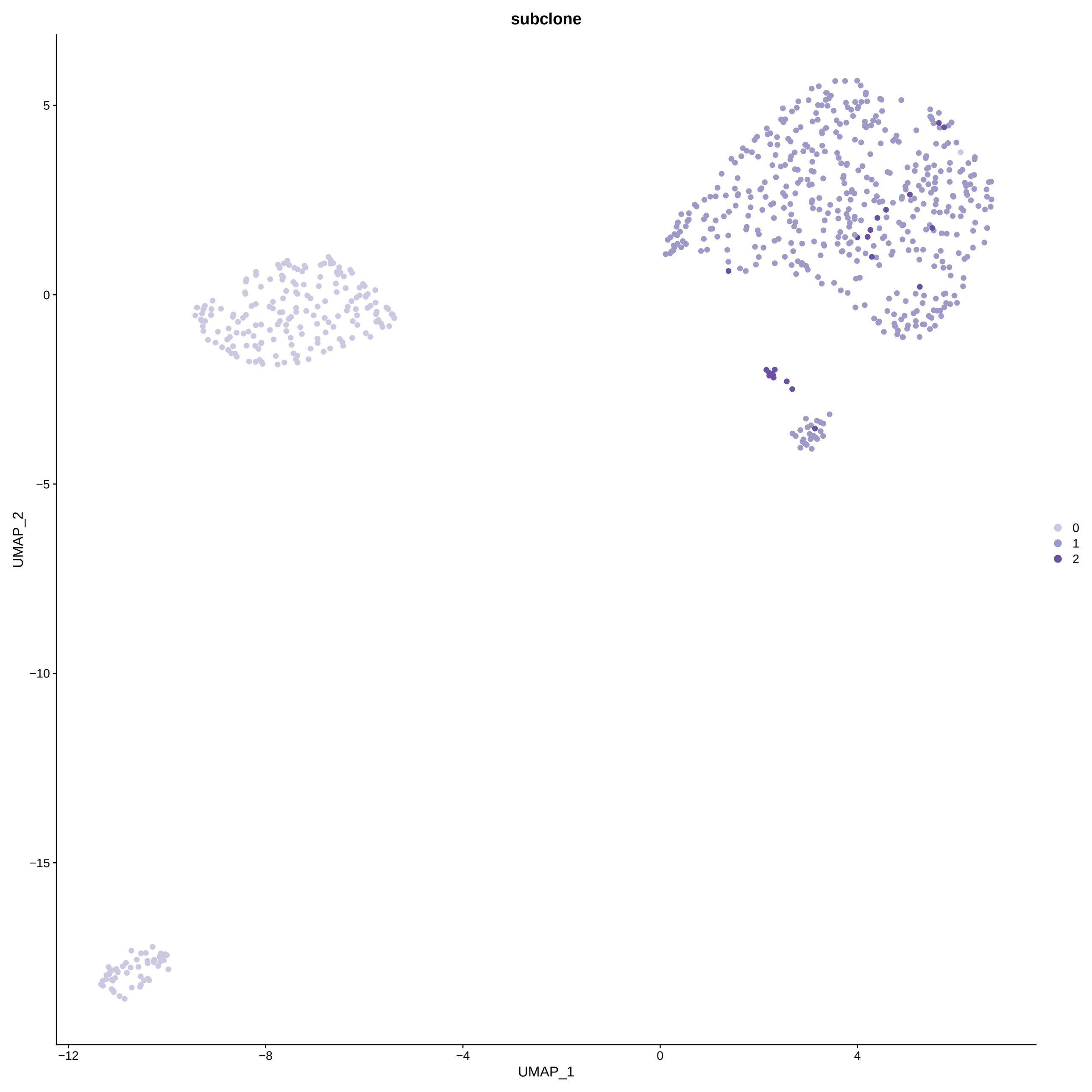

topcor
10
0
−10
−20
−30
PC_2
0
20
40
PC_1
0.6
0.3
0.0
−0.3


type
5
0
−5
−10
−15
UMAP_2
−12
−8
−4
0
4
UMAP_1
malignant
normal


cluster
5
0
−5
−10
−15
UMAP_2
−12
−8
−4
0
4
UMAP_1
0
1
2
3
4
5
6
7


singler
5
0
−5
−10
−15
UMAP_2
−12
−8
−4
0
4
UMAP_1
DC
Epithelial_cells
Macrophage
T_cells


pop
5
0
−5
−10
−15
UMAP_2
−12
−8
−4
0
4
UMAP_1
Malignant
DC
Epithelial_cells
Macrophage
T_cells


subclone
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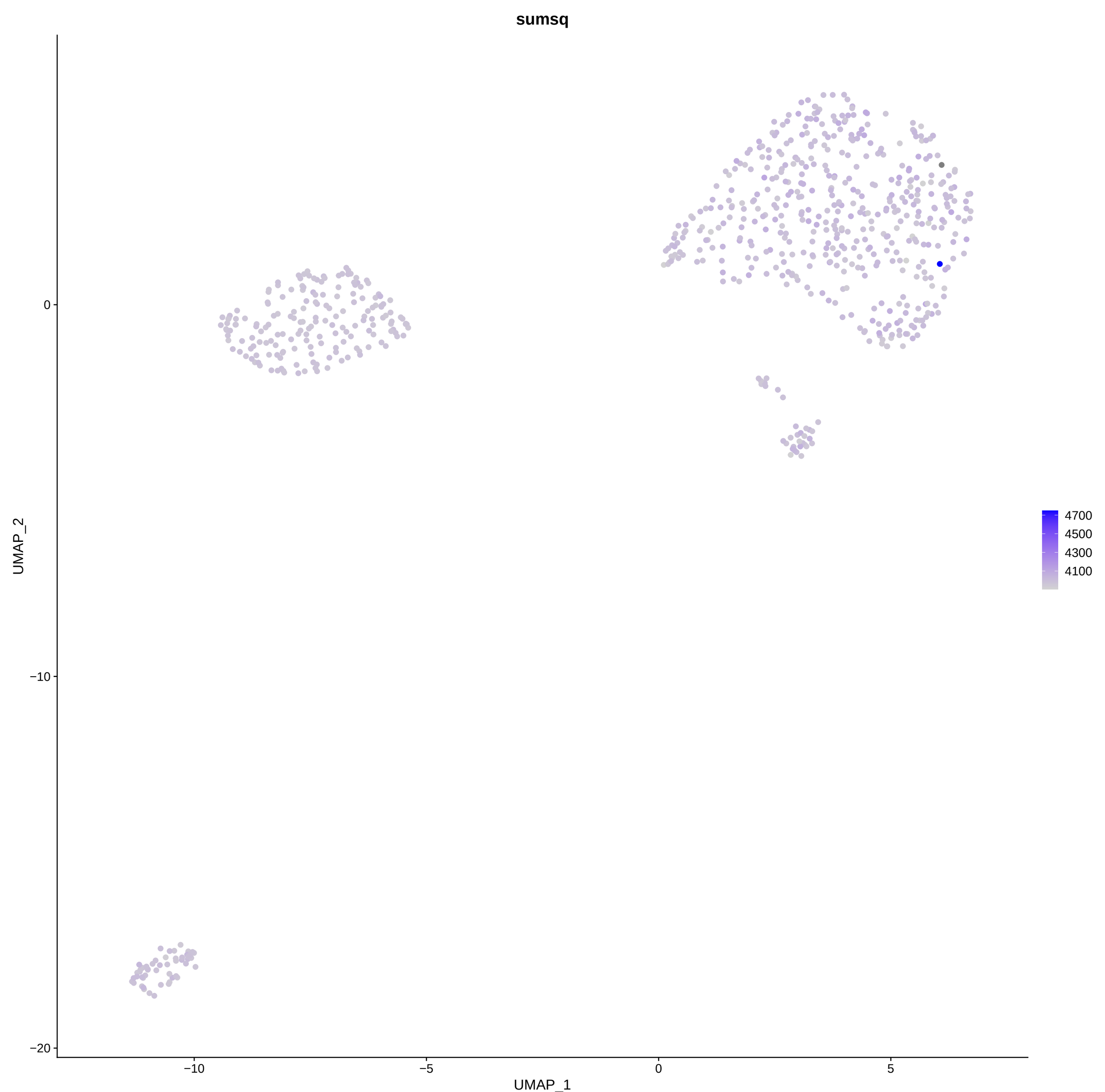
−10
−15
UMAP_2
−12
−8
−4
0
4
UMAP_1
0
1
2


sumsq
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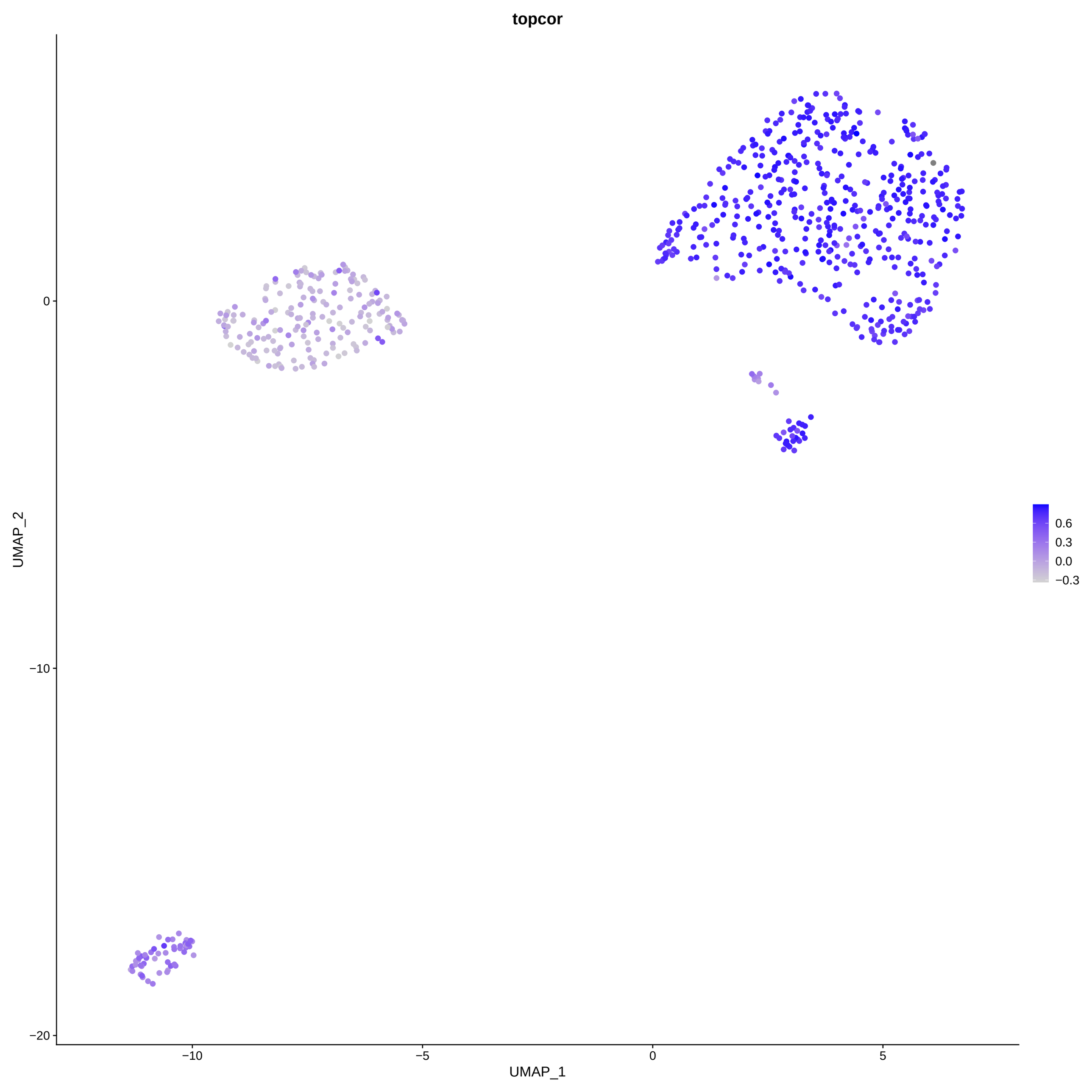
−10
−20
UMAP_2
−10
−5
0
5
UMAP_1
4700
4500
4300
4100


topcor
0
−10
−20
UMAP_2
−10
−5
0
5
UMAP_1
0.6
0.3
0.0
−0.3