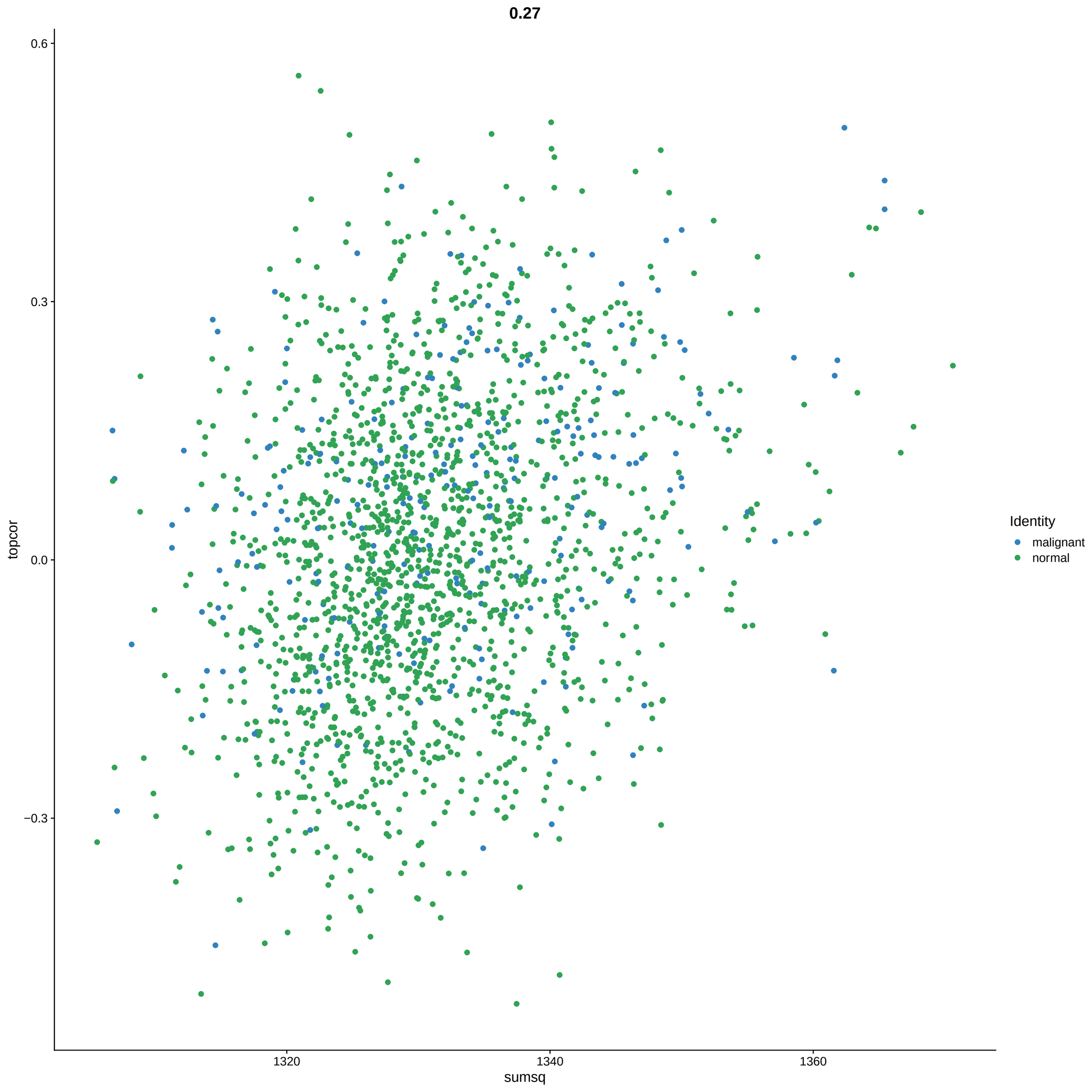
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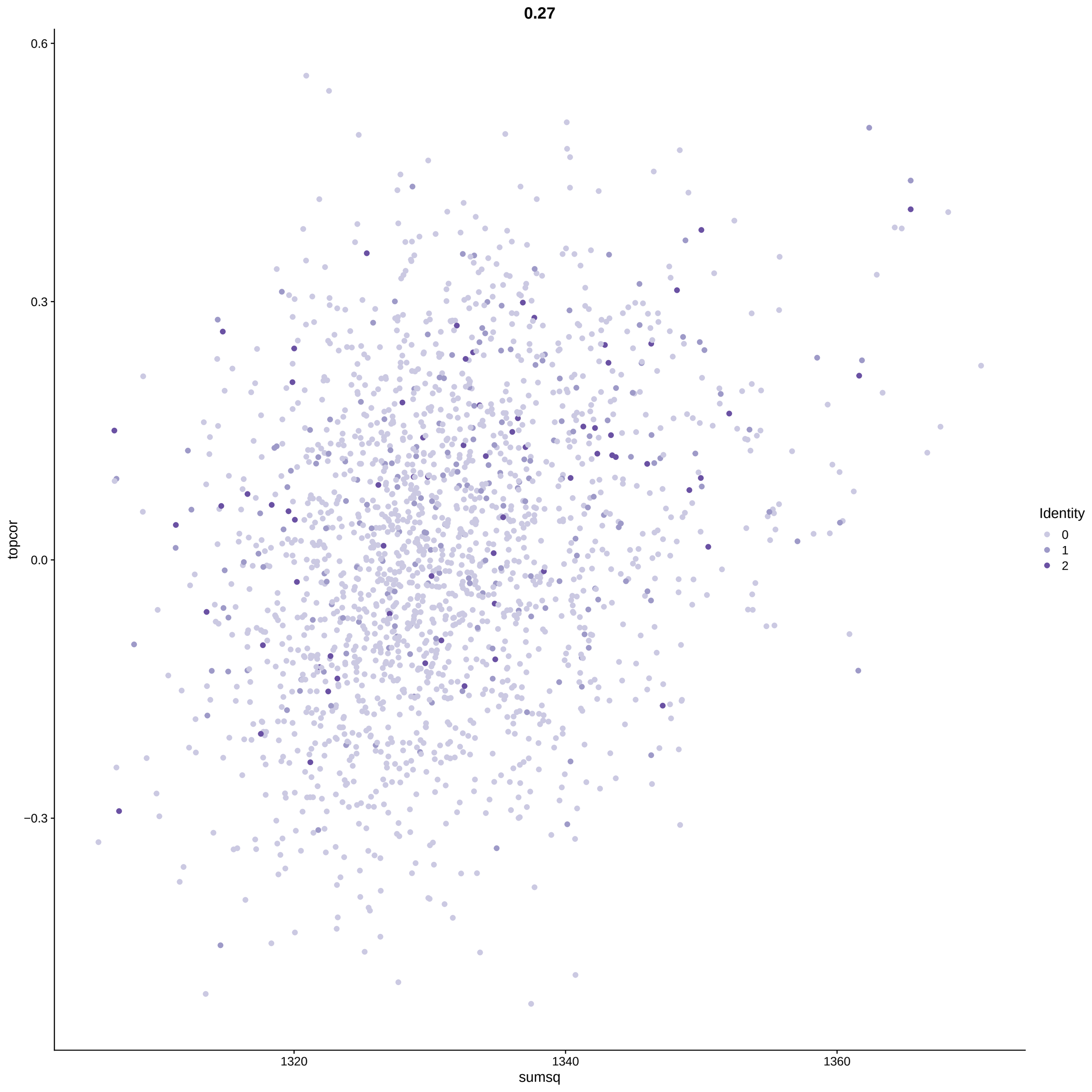
0.3
0.0
−0.3
topcor
1320
1340
1360
sumsq
Identity
malignant
normal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0.0
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topcor
1320
1340
1360
sumsq
Identity
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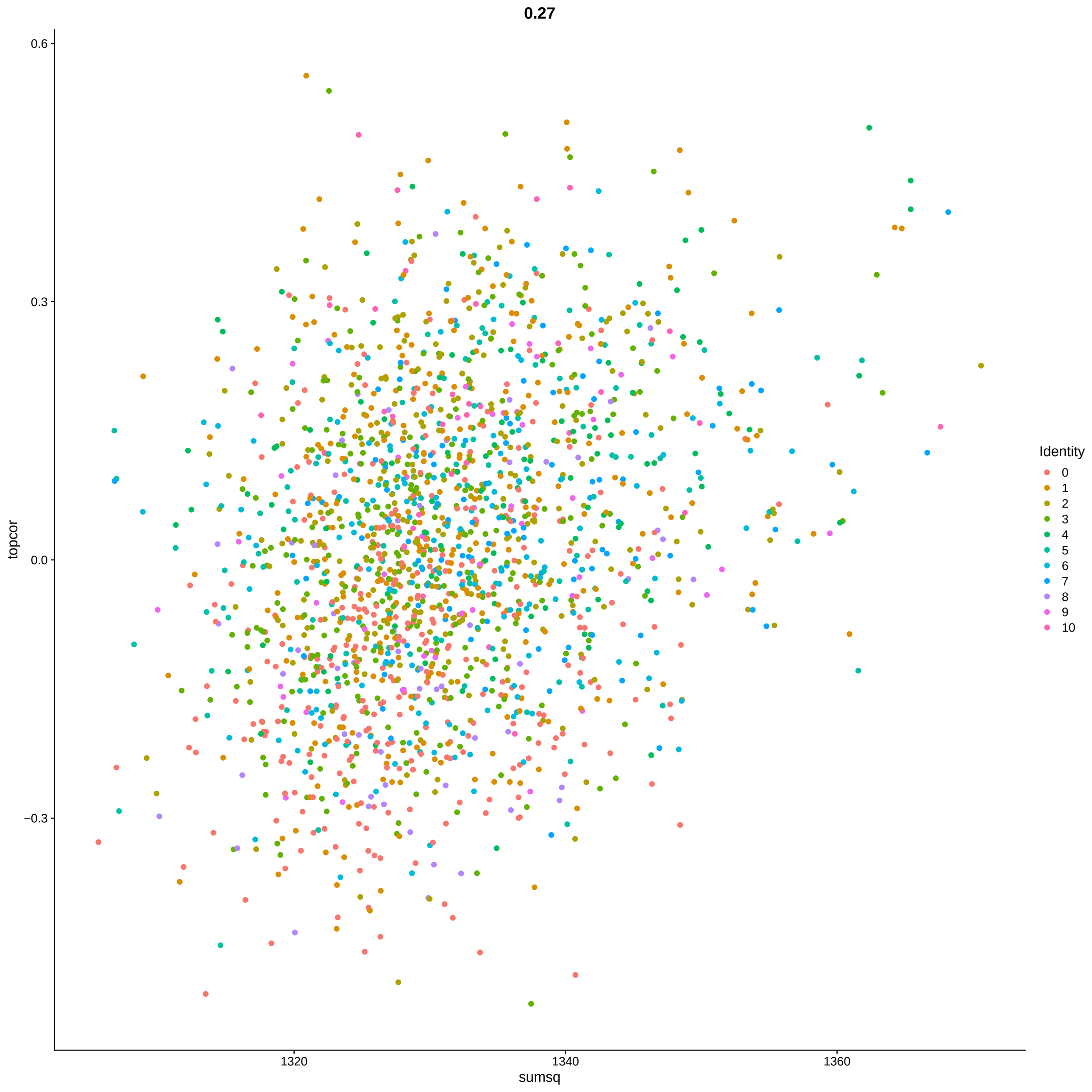
1
2


0.27
0.6
0.3
0.0
−0.3
topcor
1320
1340
1360
sumsq
Identity
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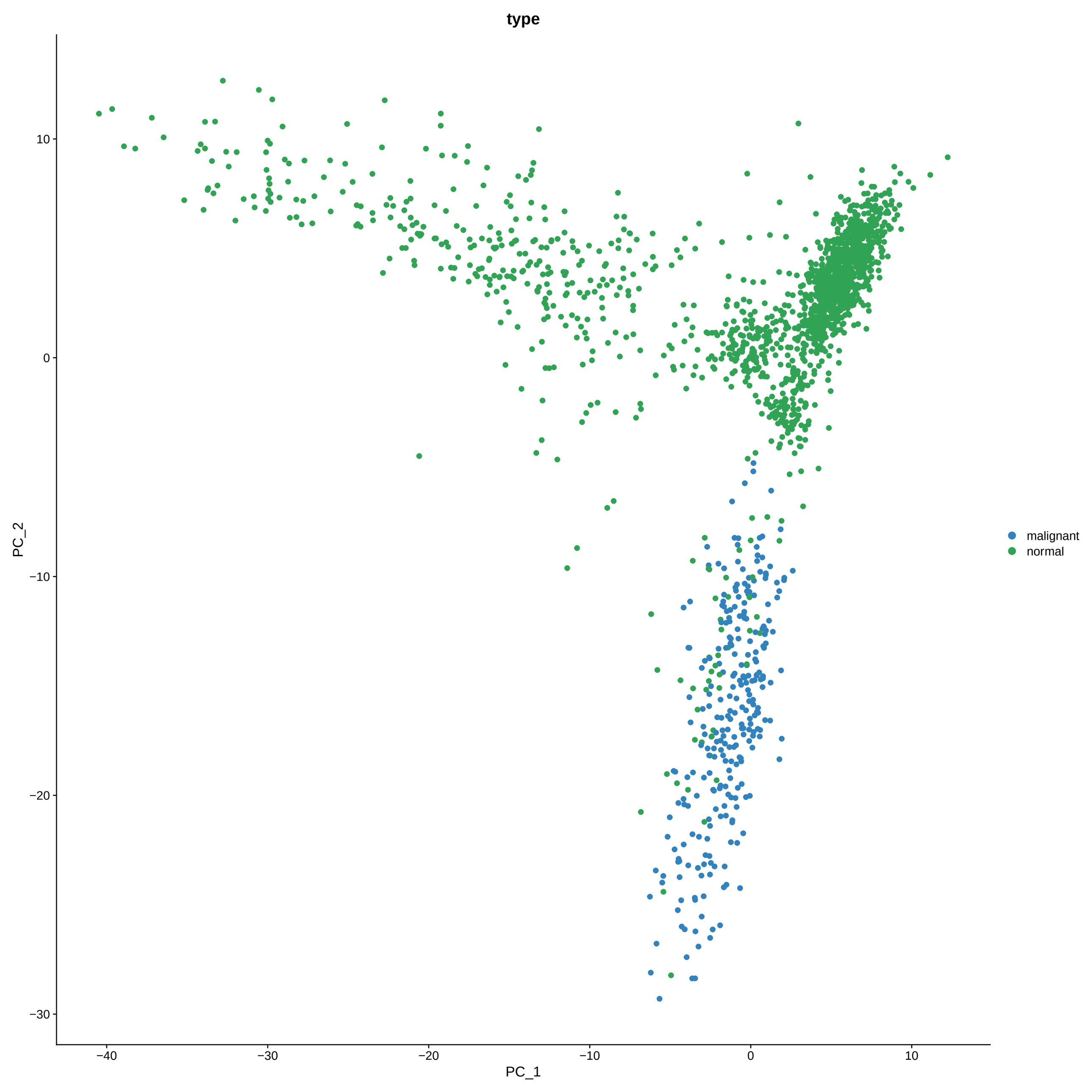
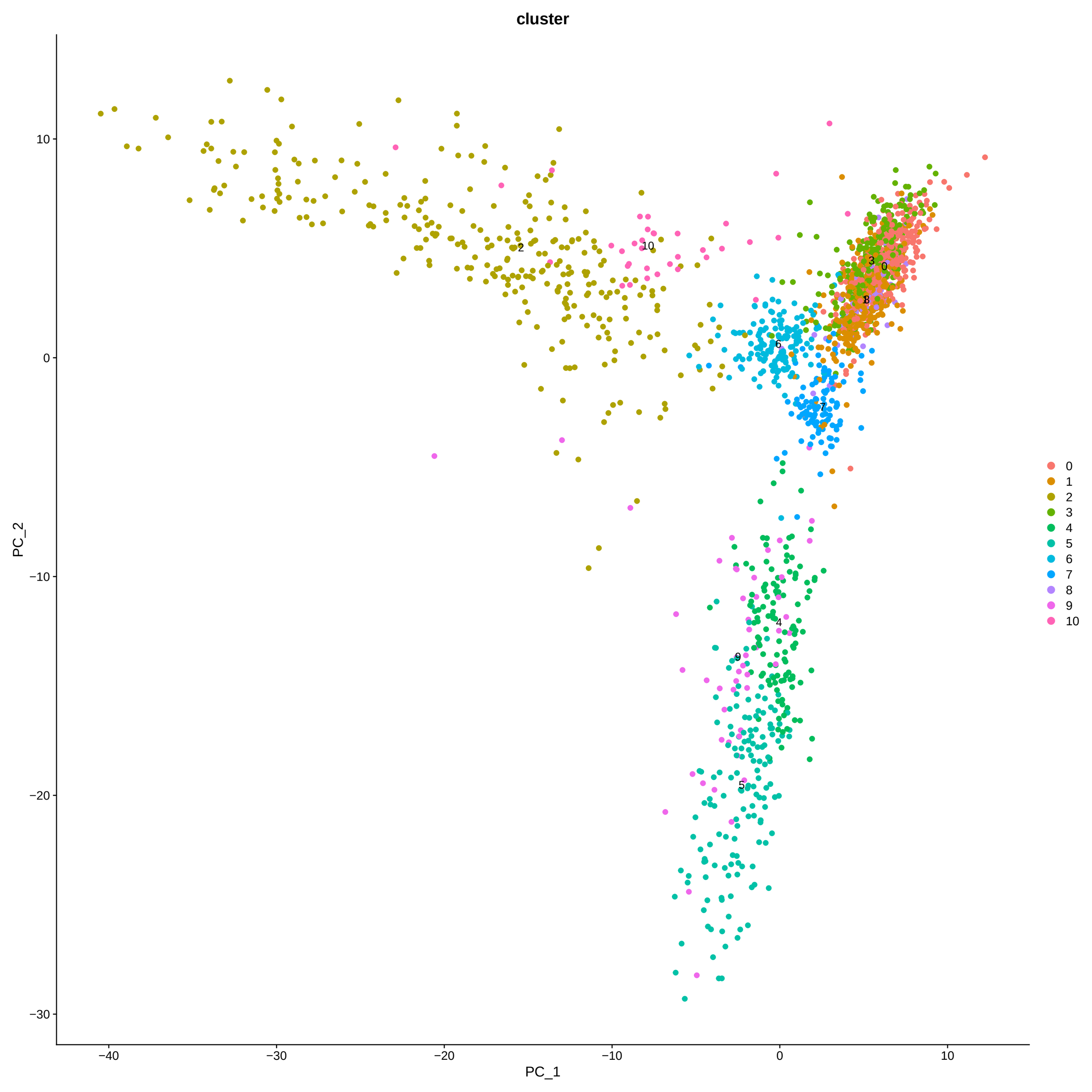
2
3
4
5
6
7
8
9
10


type
malignant
normal
PC_2
PC_1
10
0
−10
−20
−30
−40
−30
−20
−10
0
10


cluster
PC_2
PC_1
10
0
−10
−20
−30
−40
−30
−20
−10
0
10
2
10
3
0
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6
7
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3
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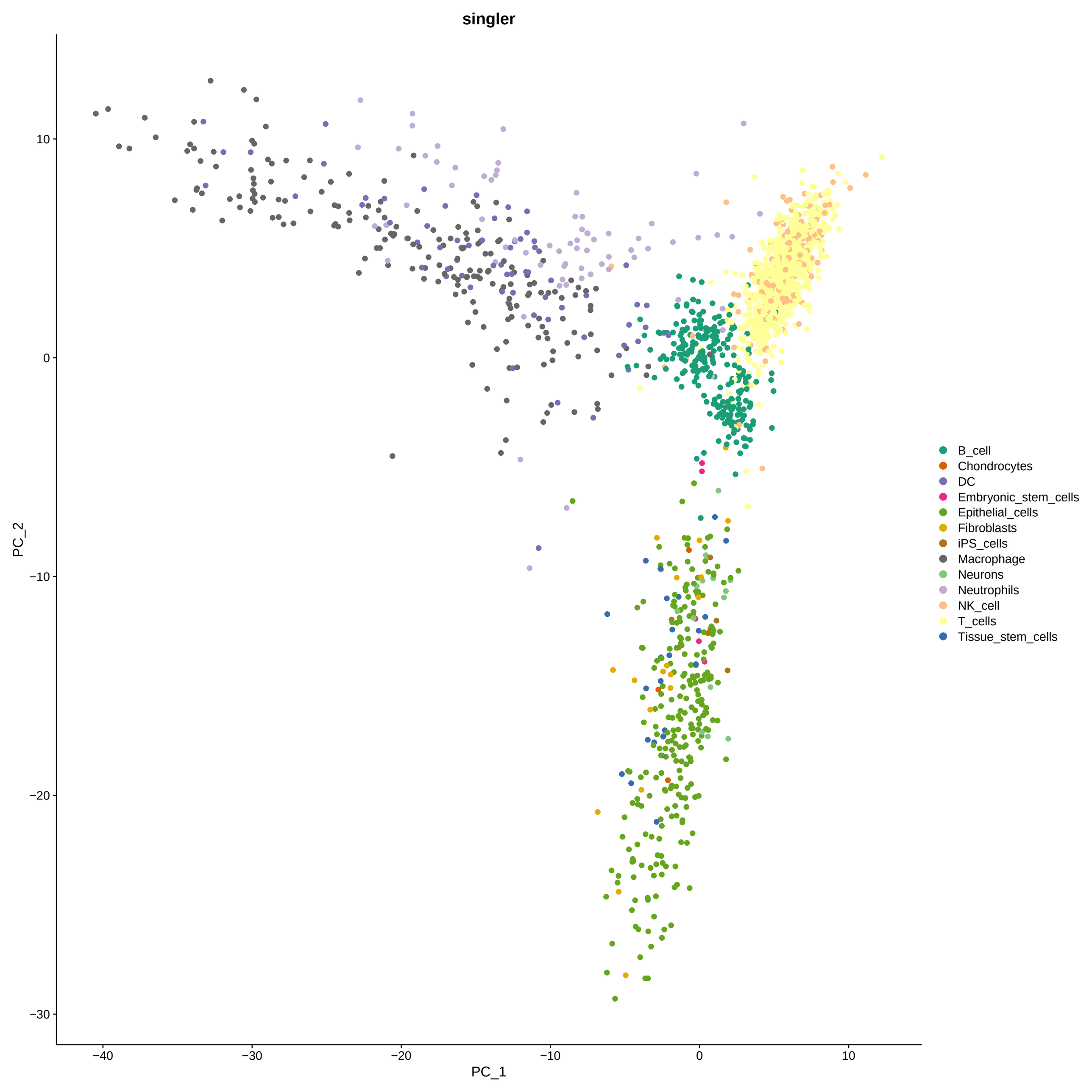
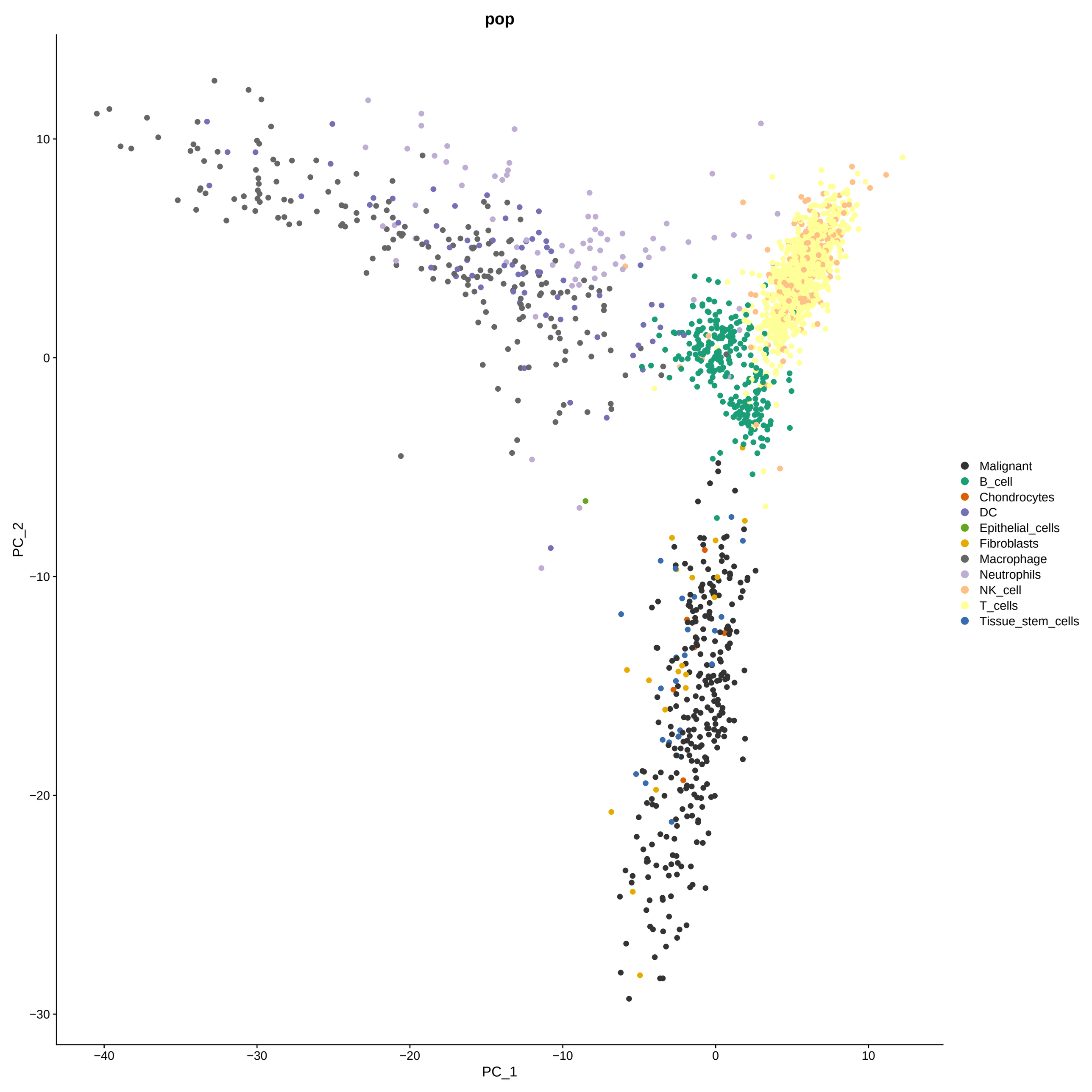
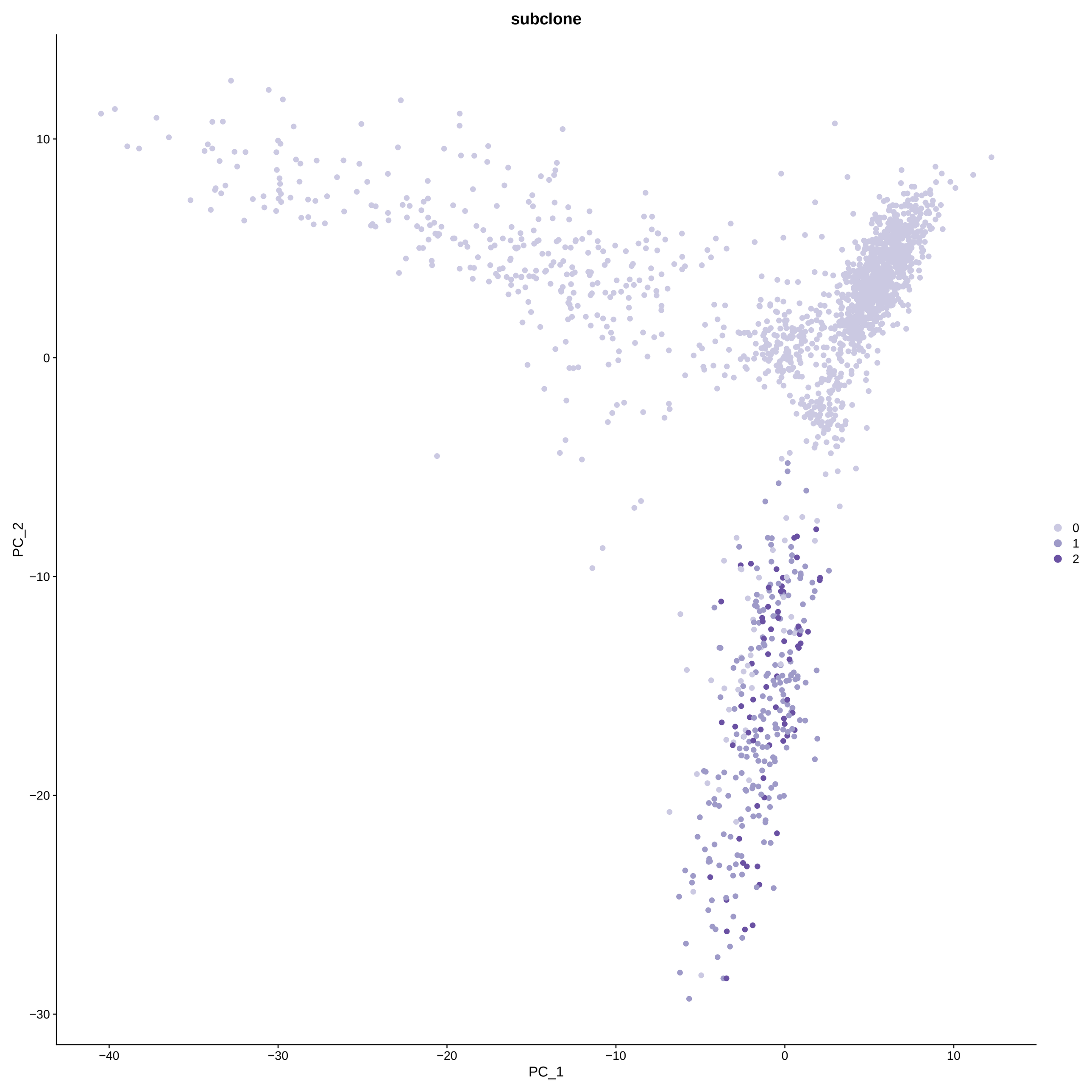
7
8
9
10


singler
10
0
−10
−20
−30
PC_2
−40
−30
−20
−10
0
10
PC_1
B_cell
Chondrocytes
DC
Embryonic_stem_cells
Epithelial_cells
Fibroblasts
iPS_cells
Macrophage
Neurons
Neutrophils
NK_cell
T_cells
Tissue_stem_cells


pop
10
0
−10
−20
−30
PC_2
−40
−30
−20
−10
0
10
PC_1
Malignant
B_cell
Chondrocytes
DC
Epithelial_cells
Fibroblasts
Macrophage
Neutrophils
NK_cell
T_cells
Tissue_stem_cells


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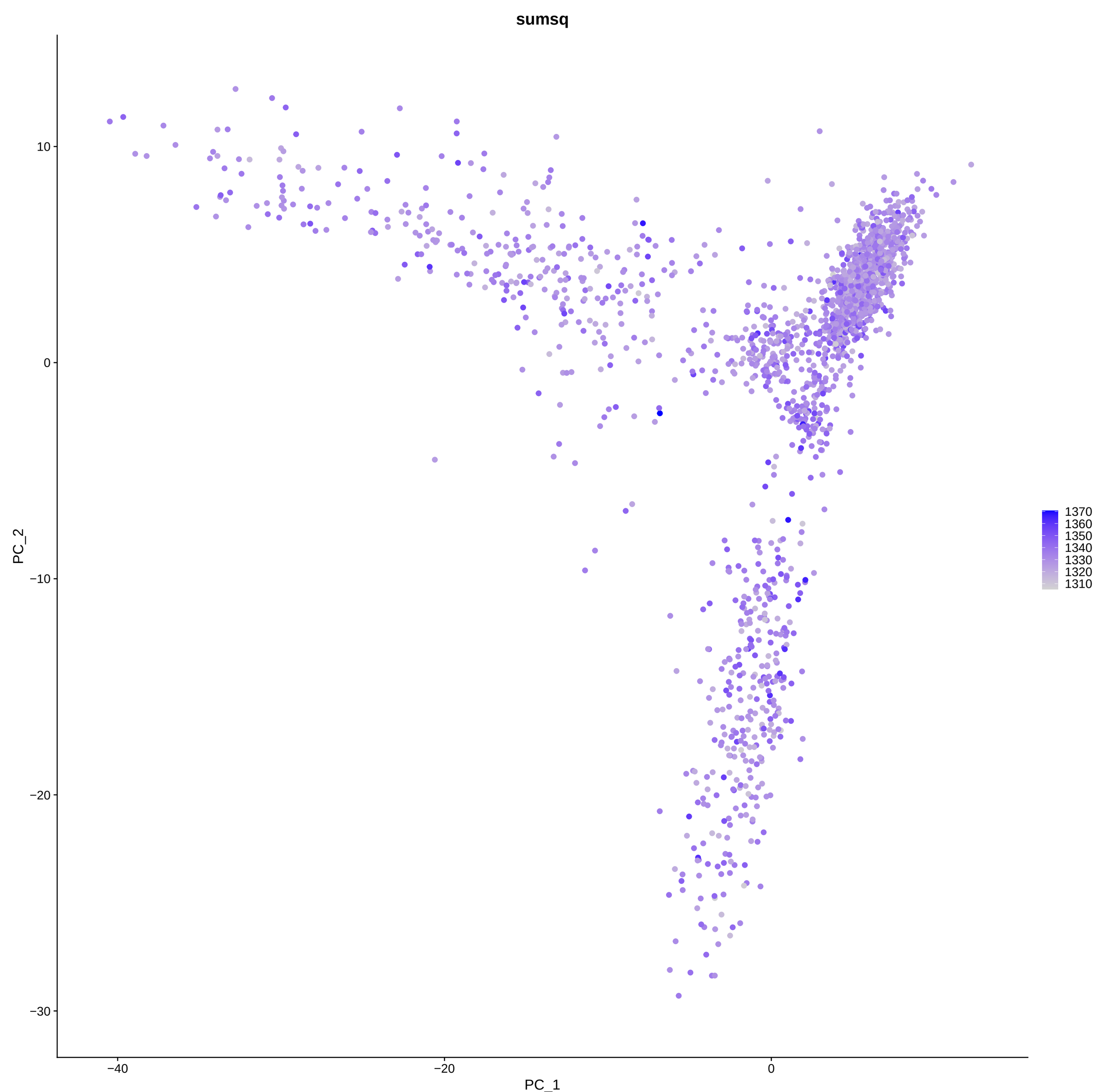
PC_1
0
1
2


sumsq
10
0
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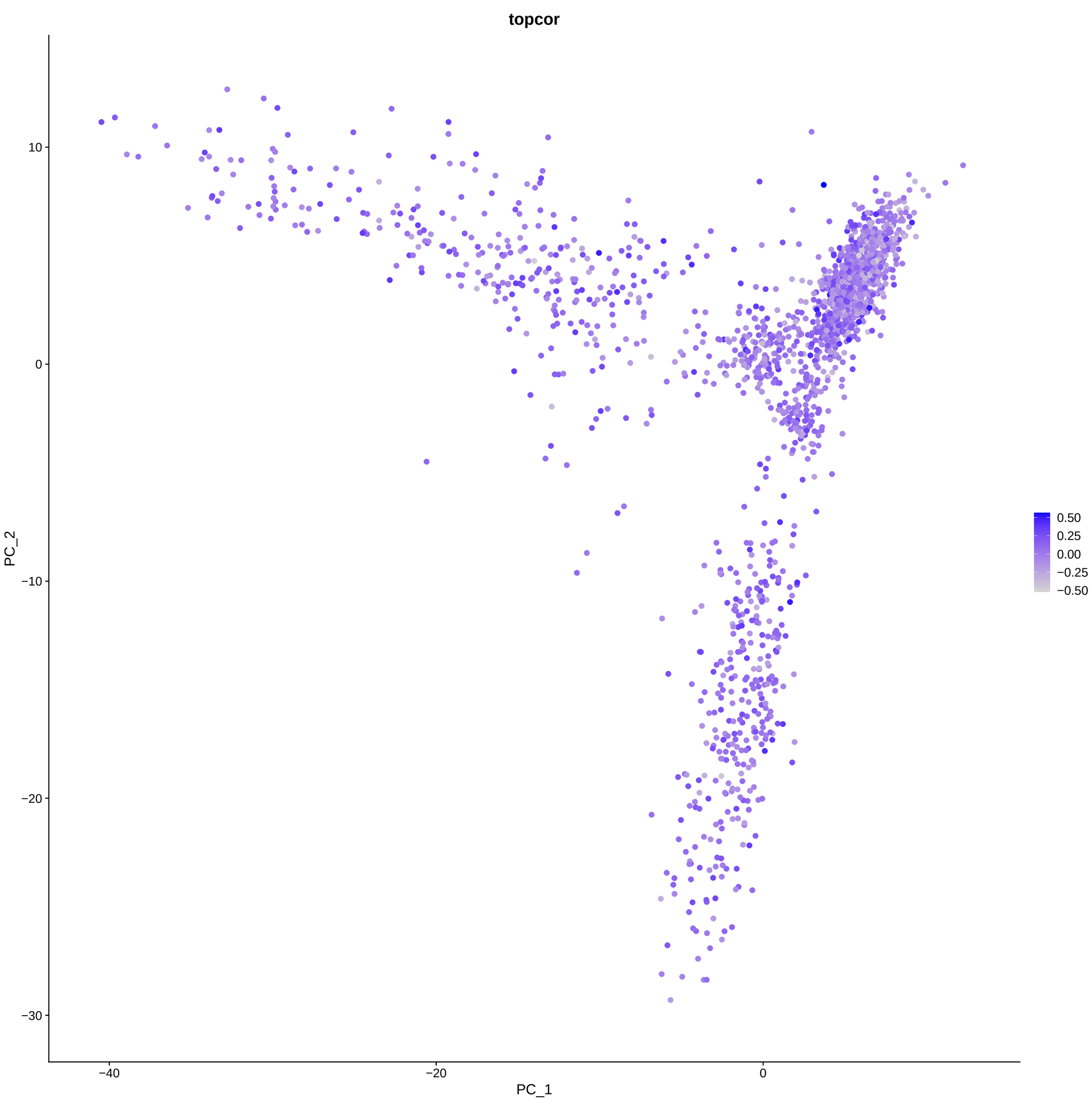
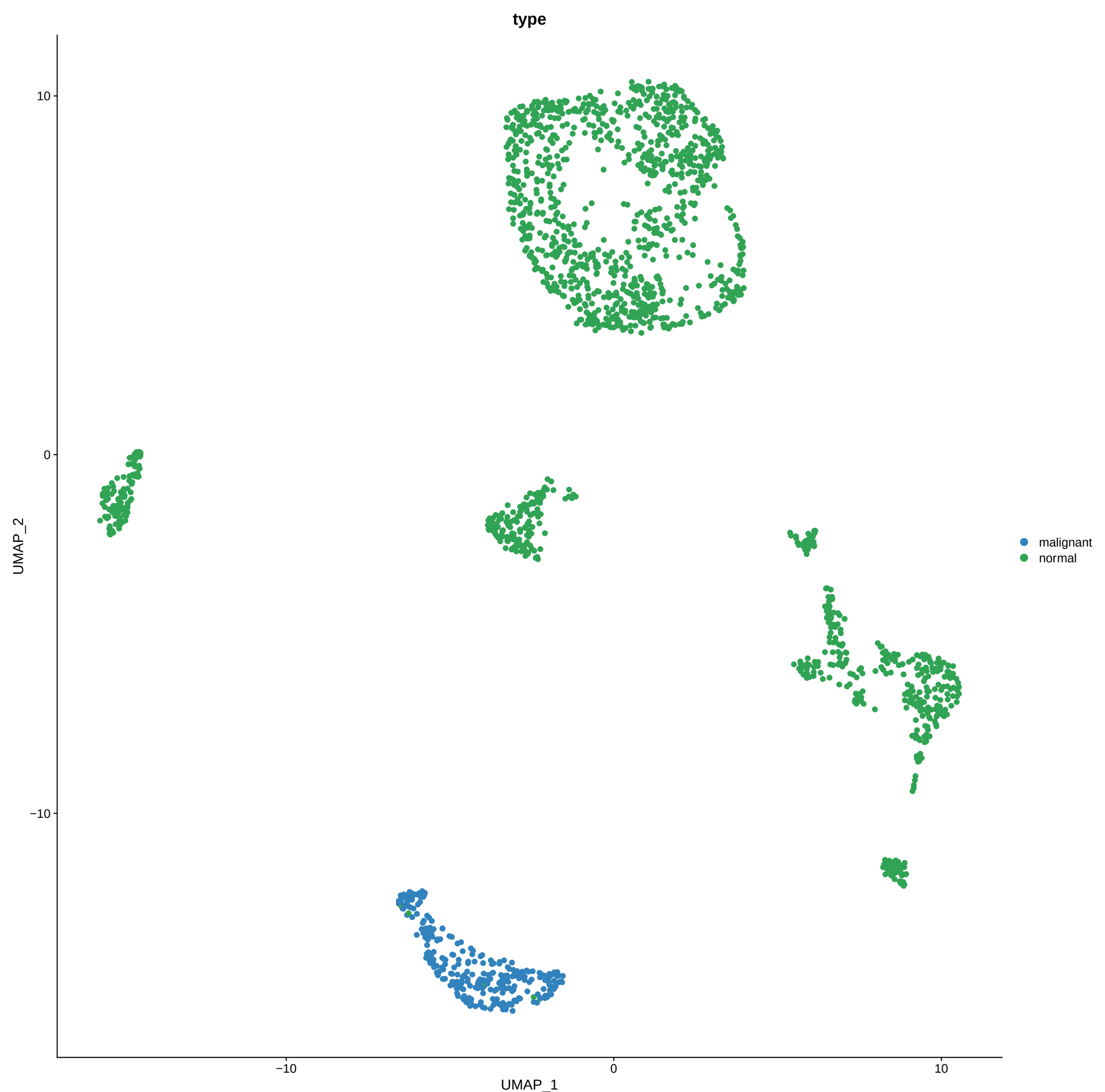
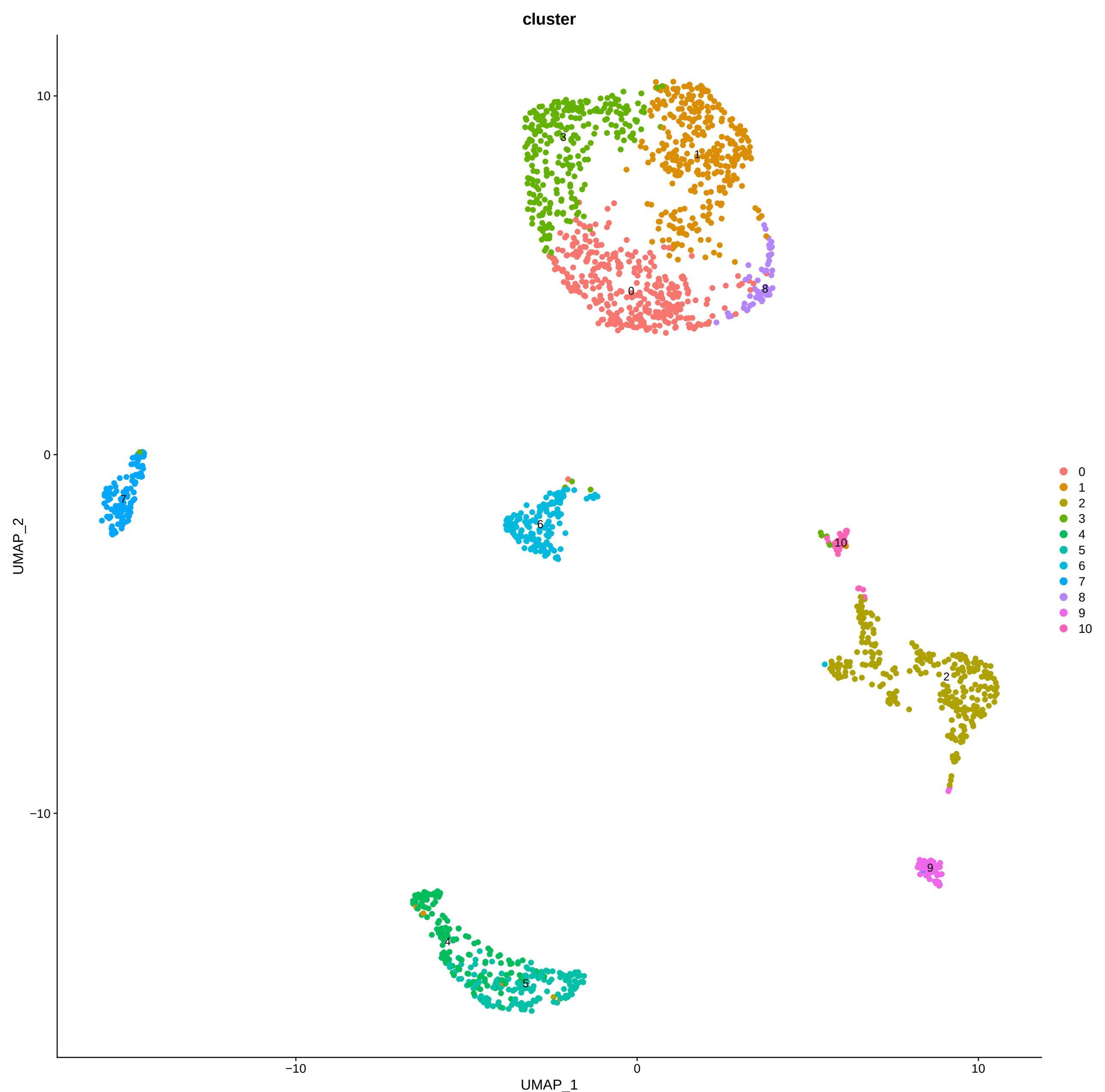
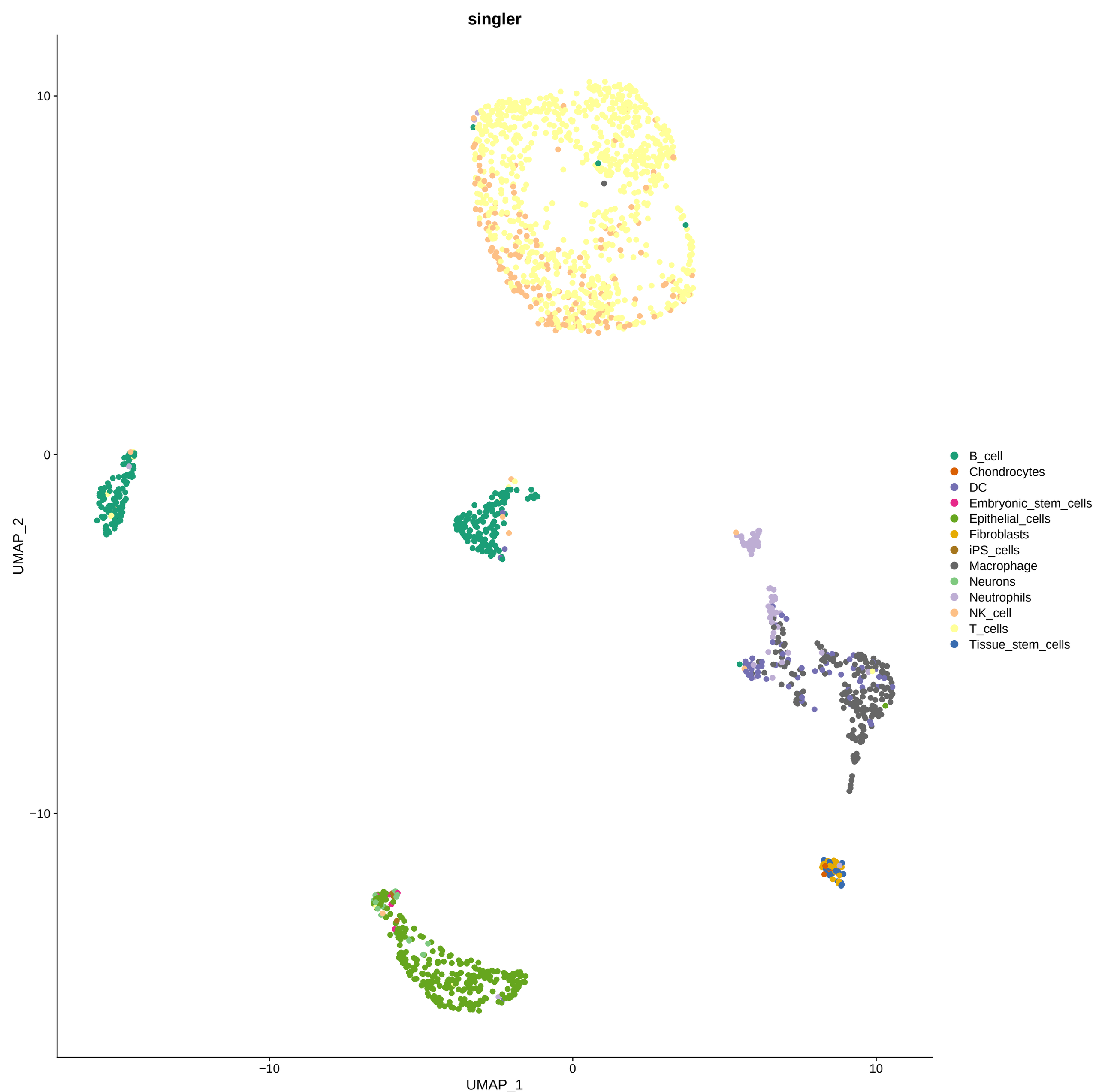
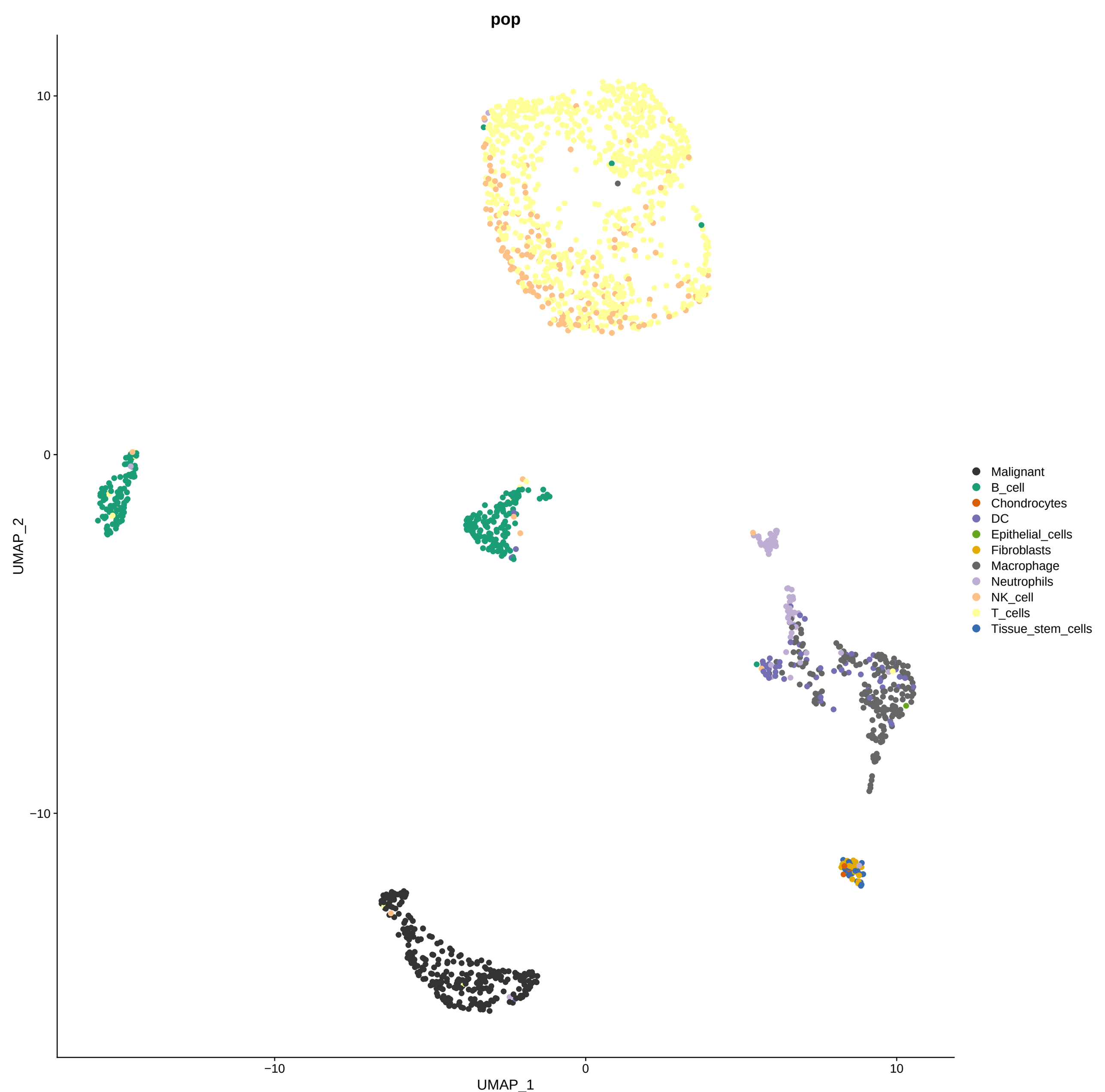
−20
−30
PC_2
−40
−20
0
PC_1
1370
1360
1350
1340
1330
1320
1310

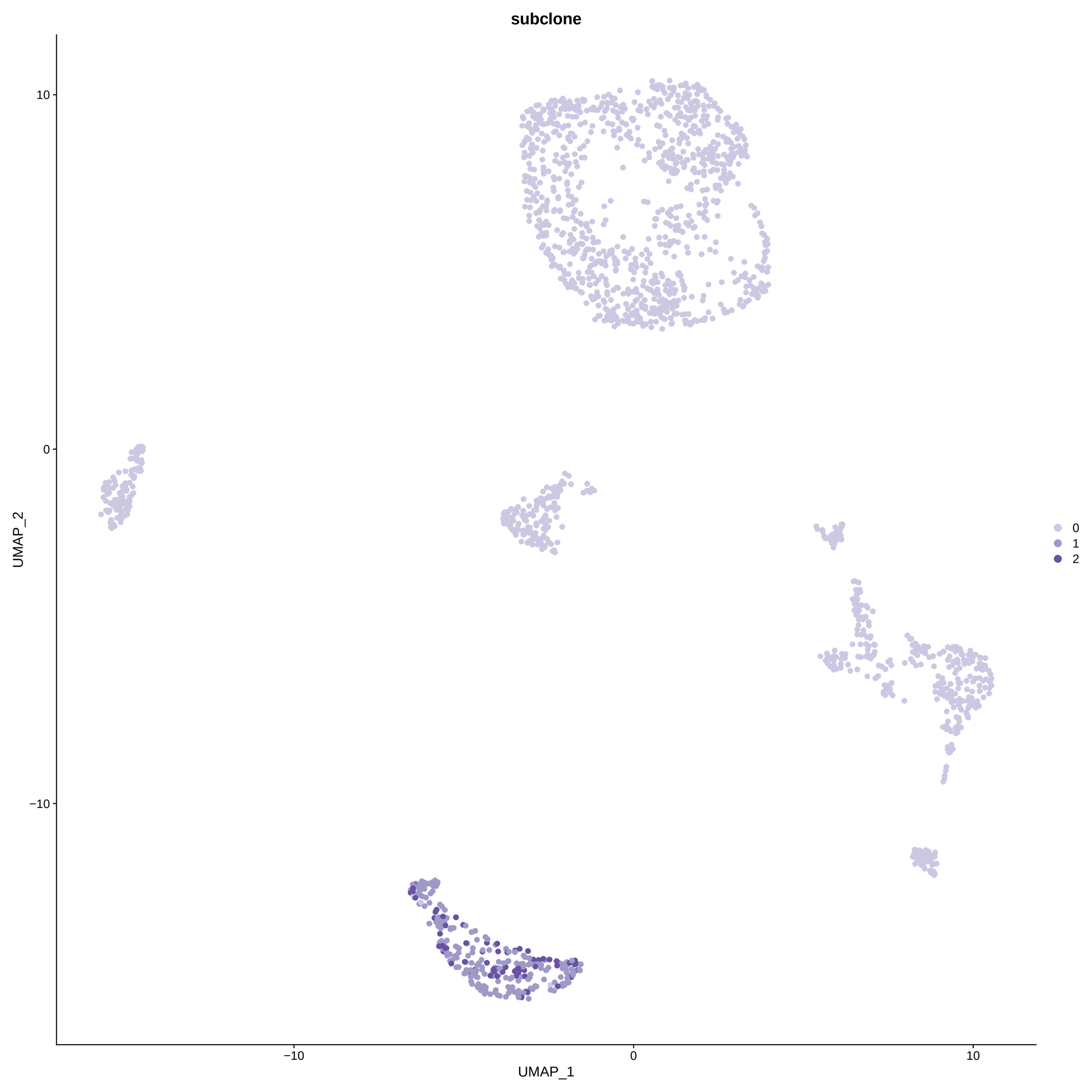

topcor
10
0
−10
−20
−30
PC_2
−40
−20
0
PC_1
0.50
0.25
0.00
−0.25
−0.50

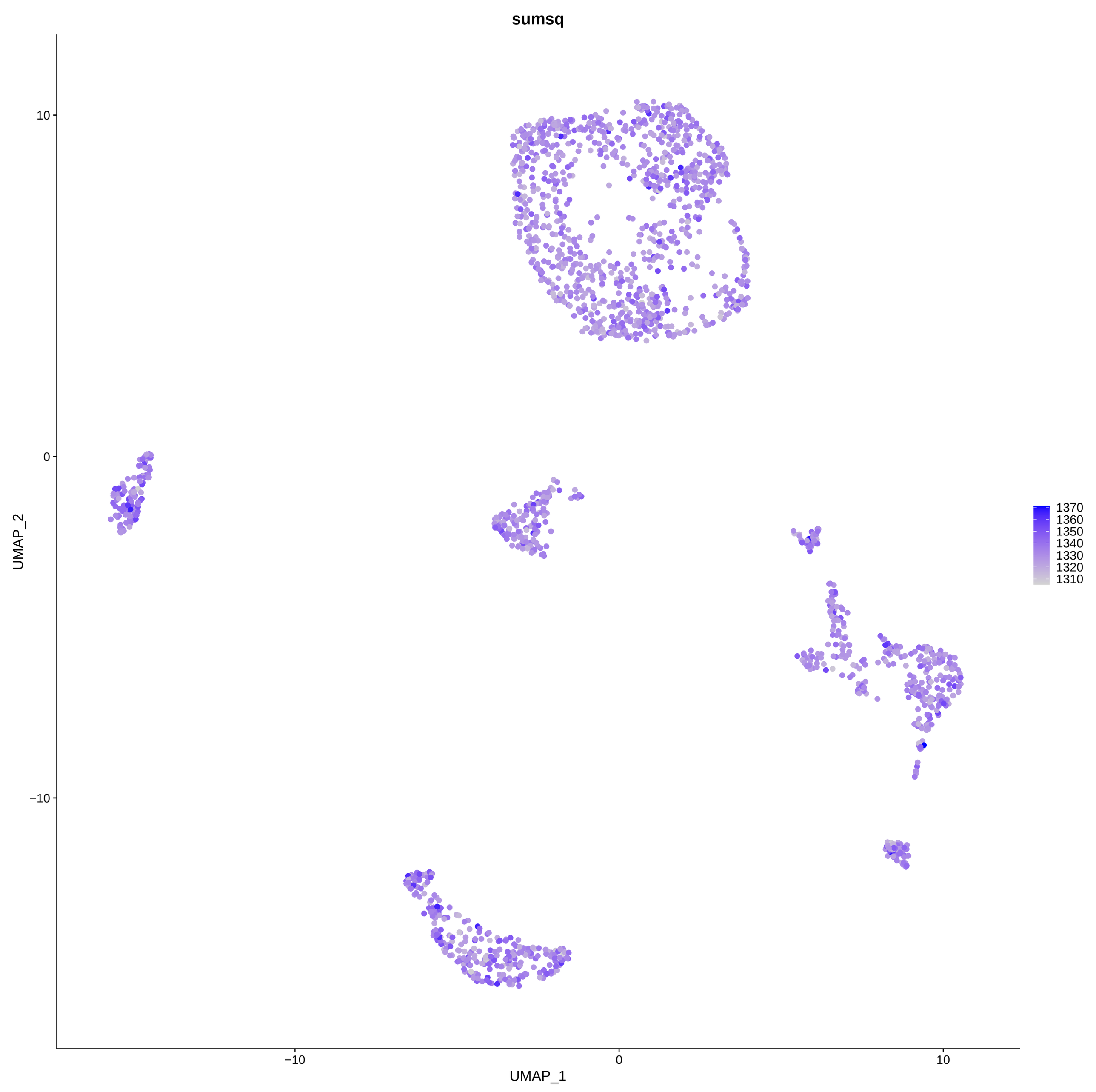

type
malignant
normal
10
0
−10
−10
0
10
UMAP_1
UMAP_2

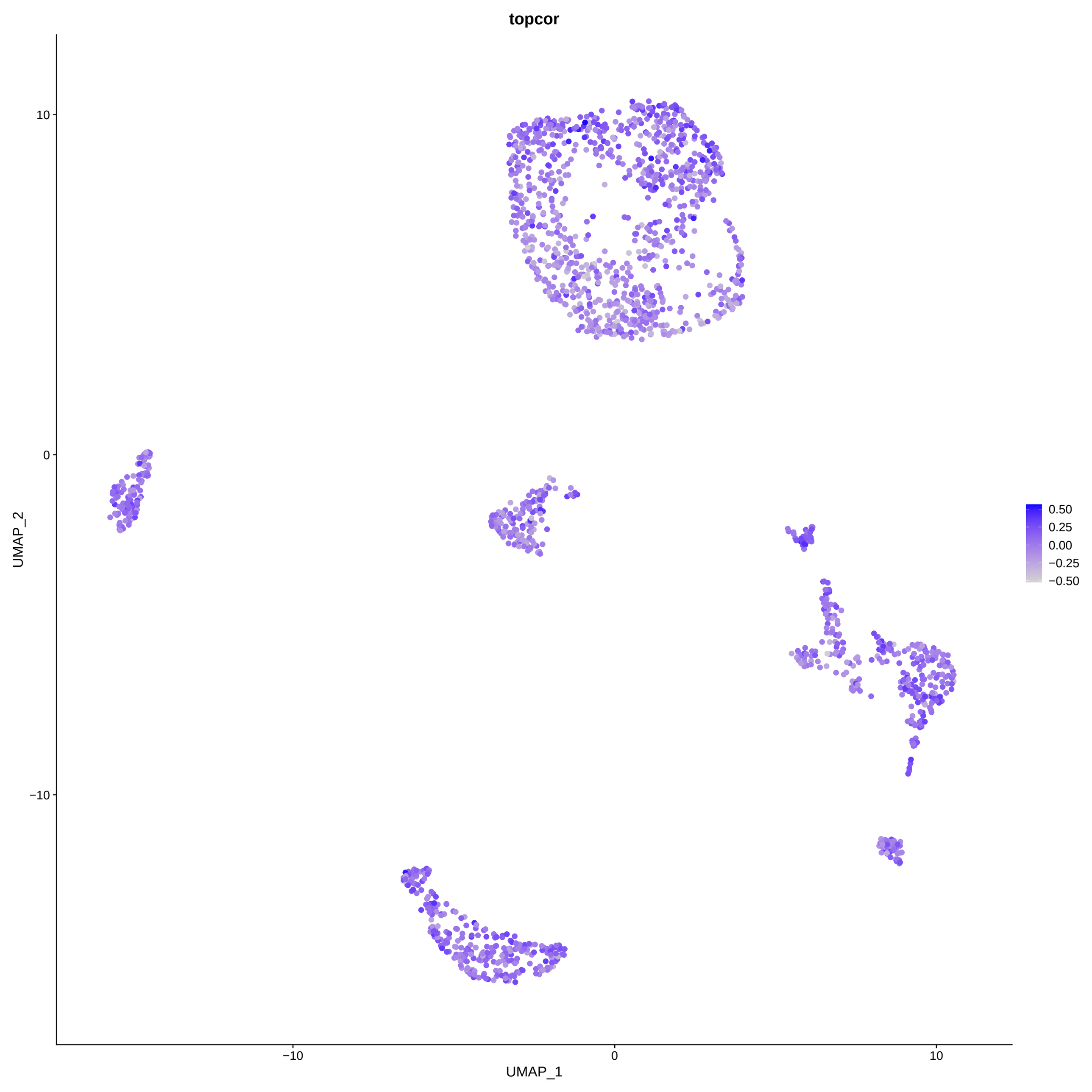

cluster
10
0
−10
UMAP_2
−10
0
10
UMAP_1
0
1
2
3
4
5
6
7
8
9
10


singler
10
0
−10
UMAP_2
−10
0
10
UMAP_1
B_cell
Chondrocytes
DC
Embryonic_stem_cells
Epithelial_cells
Fibroblasts
iPS_cells
Macrophage
Neurons
Neutrophils
NK_cell
T_cells
Tissue_stem_cells


pop
10
0
−10
UMAP_2
−10
0
10
UMAP_1
Malignant
B_cell
Chondrocytes
DC
Epithelial_cells
Fibroblasts
Macrophage
Neutrophils
NK_cell
T_cells
Tissue_stem_cells


subclone
10
0
−10
UMAP_2
−10
0
10
UMAP_1
0
1
2


sumsq
10
0
−10
UMAP_2
−10
0
10
UMAP_1
1370
1360
1350
1340
1330
1320
1310


topcor
10
0
−10
UMAP_2
−10
0
10
UMAP_1
0.50
0.25
0.00
−0.25
−0.50