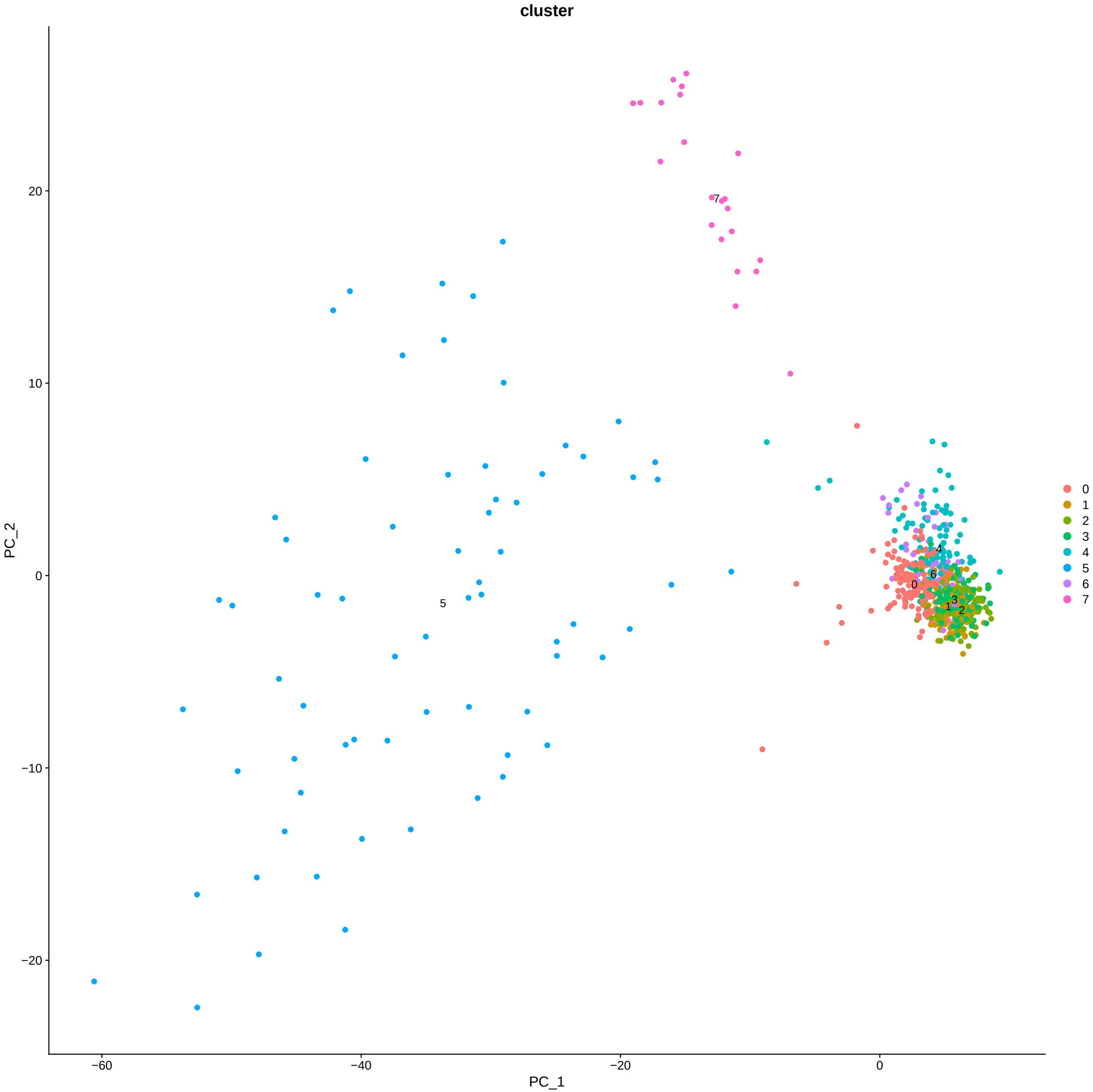
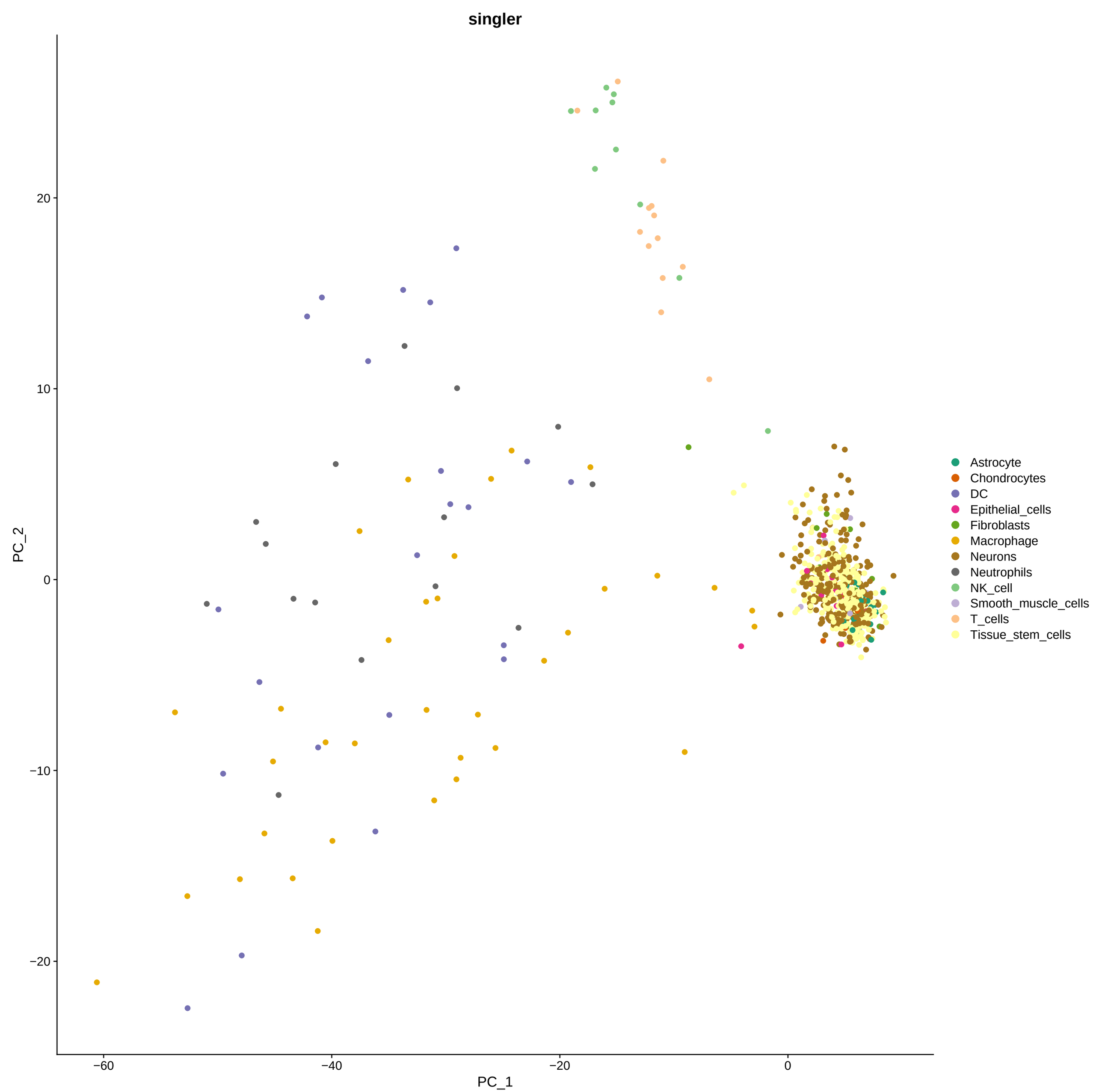
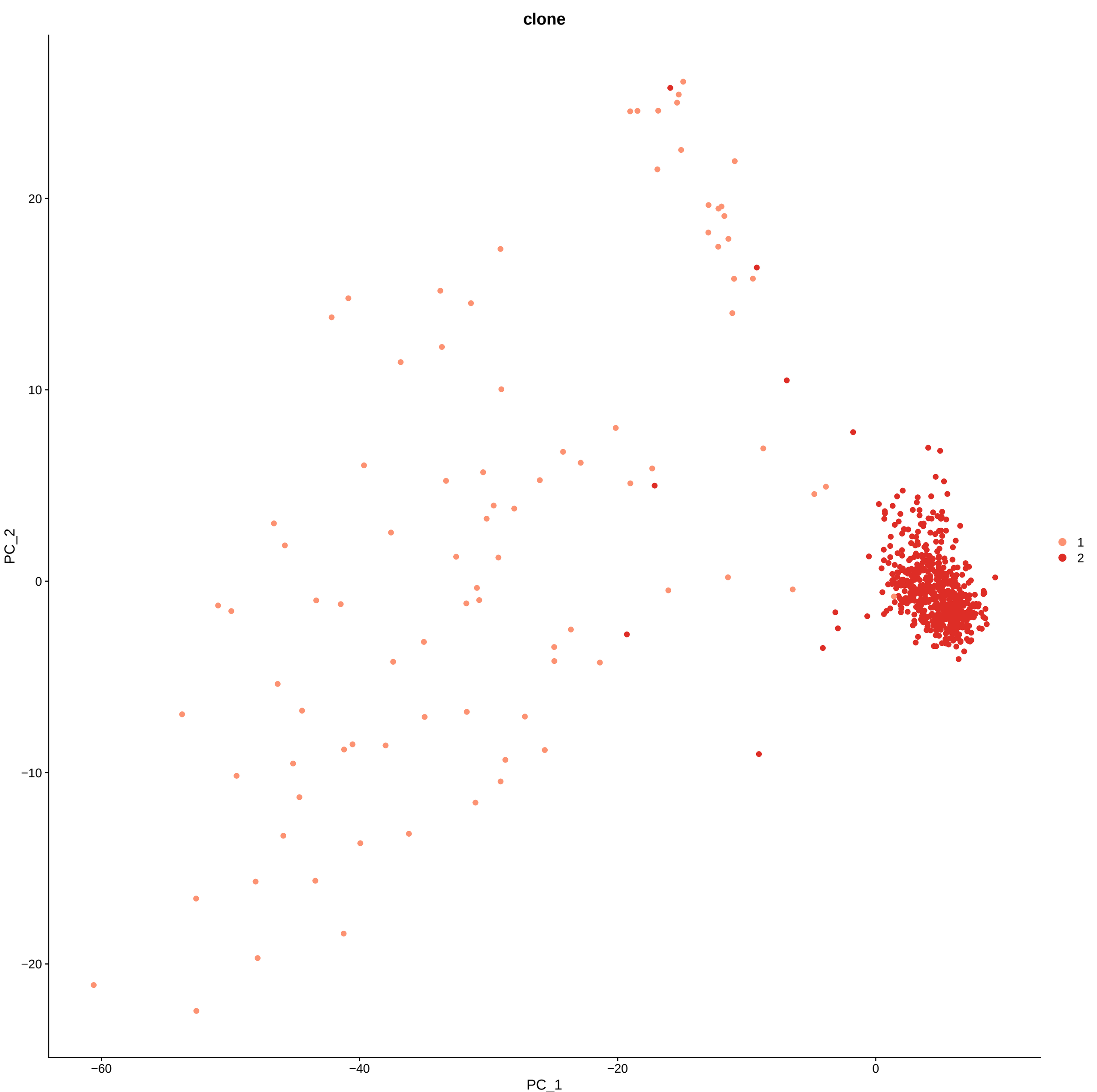
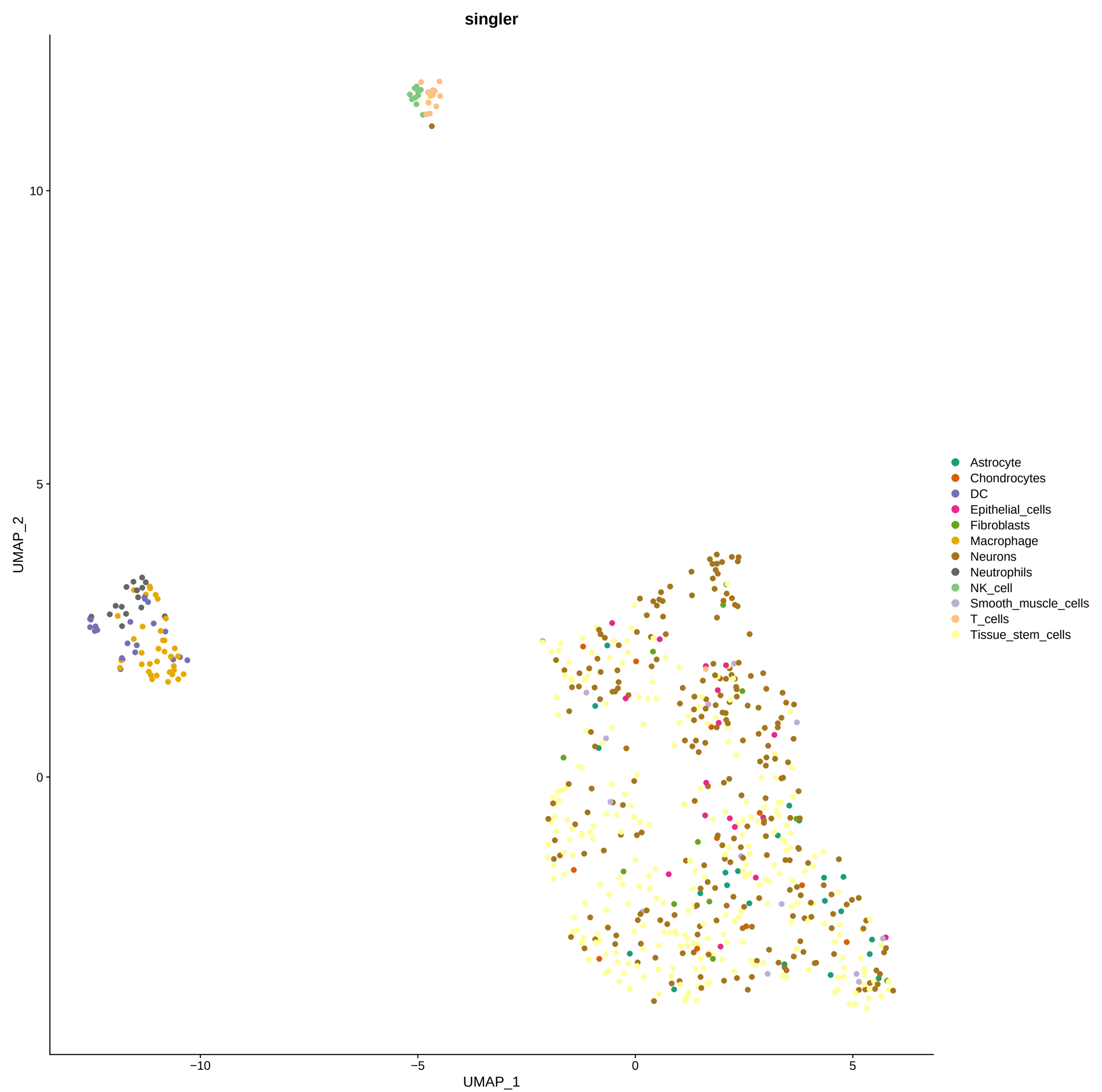
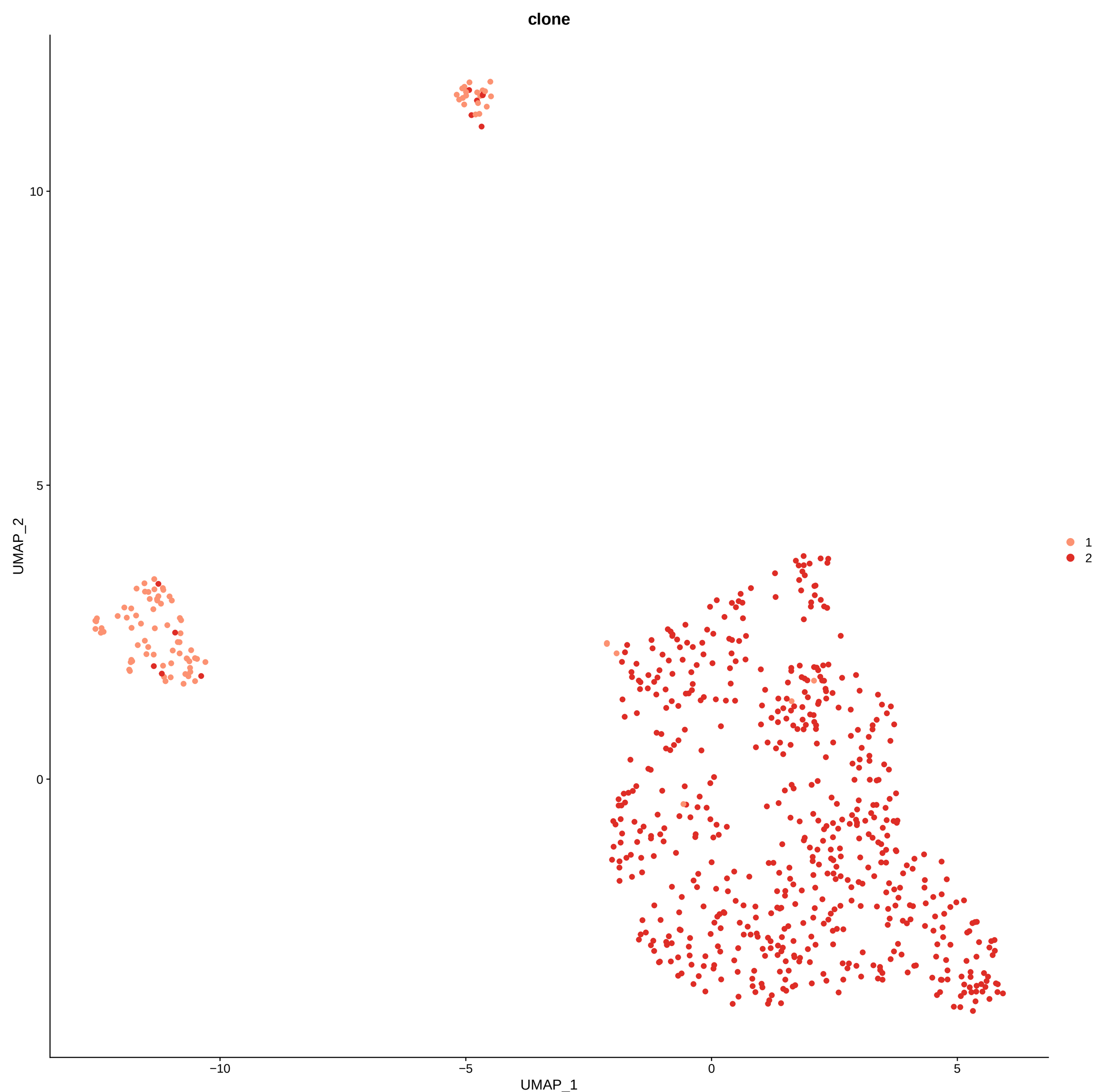

cluster
PC_2
PC_1
20
10
0
−10
−20
−60
−40
−20
0
7
5
4
6
0
3
1
2
0
1
2
3
4
5
6
7


singler
PC_2
20
10
0
−10
−20
−60
−40
−20
0
PC_1
Astrocyte
Chondrocytes
DC
Epithelial_cells
Fibroblasts
Macrophage
Neurons
Neutrophils
NK_cell
Smooth_muscle_cells
T_cells
Tissue_stem_cells


clone
20
10
0
−10
−20
PC_2
−60
−40
−20
0
PC_1
1
2

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


singler
10
5
0
UMAP_2
−10
−5
0
5
UMAP_1
Astrocyte
Chondrocytes
DC
Epithelial_cells
Fibroblasts
Macrophage
Neurons
Neutrophils
NK_cell
Smooth_muscle_cells
T_cells
Tissue_stem_cells


clone
10
5
0
UMAP_2
−10
−5
0
5
UMAP_1
1
2